LEXINGTON

Lexington-Fayette Urban County Government

Lexington, Kentucky
Horse Capital of the World

Division of Procurement — Date of Issue: July 7, 2026

INVITATION TO BID #76-2026 Horticultural Products for Golf Courses

Bid Opening Date: **July 21, 2026** **Bid Opening Time:** **2:00 PM EST**
Address: All bids must be submitted on line at https://lexingtonky.ionwave.net/

Type of Bid: Price Contract

Pre Bid Meeting: N/A Pre Bid Time: N/A
Address: N/A

Sealed bids will ONLY be received online at https://lexingtonky.ionwave.net/ until **2:00 PM EST**, prevailing local time on 07/21/2026. Bids must be submitted/uploaded by the above-mentioned date and time.

Bids are to include all shipping, handling and associated fees to the point of delivery (unless otherwise specified in the bid documents below) located at: Lexington, KY

Check One:	**Proposed Delivery:**
✓ Bid Specifications Met _____ Exceptions to Bid Specifications. *Exceptions shall be itemized and attached to bid proposal submitted.*	2 days after acceptance of bid.
Procurement Card Usage—The Lexington-Fayette Urban County Government may be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards? ✓ Yes _____ No	

To expedite award, the forms in this document should be completed and uploaded with your bid.

Submitted by: Harrell's, LLC
Firm Name

5105 New Tampa Hwy
Address

Lakeland, FL 33815
City, State & Zip

Bid must be signed: Ella Kimbrel SVP/CHRO
Signature of Authorized Company Representative – Title

Ella Kimbrel
Representative's Name (Typed or printed)

800-282-8007
Area Code - Phone – Extension *Fax #*

Bids@Harrells.com
E-Mail Address

The Affidavit in this bid must be completed before your firm can be considered for award of this contract.

AFFIDAVIT

Comes the Affiant, Ella Kimbrel, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Ella Kimbrel and he/she is the individual submitting the bid or is the authorized representative of Harrell's, LLC, the entity submitting the bid (hereinafter referred to as "Bidder")
2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Bidder has authorized the Division of Procurement to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.
8. Bidder will comply with all registration requirements as a contractor where required by Section 5-85 of the Code of Ordinances of the Lexington-Fayette Urban County Government. Bidder will utilize as subcontractors on the contract only contractors who are registered as required by Section 5-85 of the Code of Ordinances. Bidder will maintain a "current" status with regard to all contractor registration requirements during the life of the contract and will ensure that all subcontractors maintain a "current" status with regard to all contractor registration requirements during the life of the contract. Bidder has authorized the Division of Procurement to verify the registration of Bidder and Bidder's subcontractors with the Division of Building Inspection.

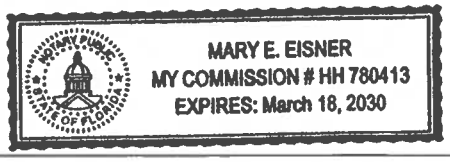
Further, Affiant sayeth naught. Ella Kimbrel

STATE OF FLORIDA

COUNTY OF POLK

The foregoing instrument was subscribed, sworn to and acknowledged before me by Ella Kimbrel on this the 20 day of July, 2026

My Commission expires: 3/18/2030



NOTARY PUBLIC, STATE AT LARGE

Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.

I. GREEN PROCUREMENT

A. ENERGY

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to **www.Energystar.gov**). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Key Benefits

These products use 25 to 50% less energy
Reduced energy costs without compromising quality or performance
Reduced air pollution because fewer fossil fuels are burned
Significant return on investment
Extended product life and decreased maintenance

B. GREEN SEAL CERTIFIED PRODUCTS

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to **www.Greenseal.org** to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

C. GREEN COMMUNITY

The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?

Yes ✓ **No**_____

II. Bid Conditions

A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.

B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Procurement may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Procurement.

C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.

D. The bidder agrees that the Urban County Government reserves the right to reject any and all bids for either fiscal

or technical reasons, and to award each part of the bid separately, all parts to one vendor or all parts to multiple vendors.

E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Procurement. The Urban County Government may waive technicalities and informalities where such waiver would best serve the interests of the Urban County Government.

F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.

G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.

H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.

I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.

J. All bids mailed must be submitted in the Ion Wave online portal at https://lexingtonky.ionwave.net/

K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.

L. A certified check or Bid Bond in the amount of **XX** percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has been awarded.

M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.

N. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.

O. All material furnished hereunder must be in full compliance with OSHA regulations.

P. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.

Q. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.

R. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, religion, sex (including pregnancy, sexual orientation or gender identity), national origin, disability, age, genetic information, political affiliation, or veteran status.

S. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race,

color, religion, sex, age or national origin;

(2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;

(3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and

(4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.

The contractor is required to comply to the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560 to KRS 45.640)

T. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

(1) Reveal any final determination of a violation by the contractor within the previous five year period pursuant to KRS Chapters 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and

(2) Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

U. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Procurement resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Procurement or (2) submitting a written request for a meeting with the Director of Procurement to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Procurement shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Procurement will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Procurement or (2) submitting a written request for a meeting with the Director of Procurement to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Procurement shall in writing, affirm or withdraw the recommendation.

III. Procurement Contract Bid Conditions

A. The terms of this agreement shall be from the date of acceptance of this contract by the Lexington-Fayette Urban County Government through **December 31, 2027**. This contract may be canceled by either party thirty (30) days after delivery by canceling party of written notice of intent to cancel to the other contracting party.

B. Price Changes **(Space Checked Applies)**

(XXX)1. Prices quoted in response to the Invitation shall be firm prices for the first 90 days of the Procurement Contract. After 90 days, prices may be subject to revision and such changes shall be based on general industry changes. Revision may be either increases or decreases and may be requested by either party. There will be no more than one (1) price adjustment per 90 days. Requests for price changes shall be received in writing at least twenty (20) days prior to the effective date and are subject to written acceptance before becoming effective. Proof of the validity of a request for revision shall be responsibility of the requesting party. The Lexington-Fayette Urban County Government shall receive the benefit of any decline that the seller shall offer his other accounts.

() 2. No provision for price change is made herein. Prices are to be firm for the term of this contract.

() 3. See bid specifications.

C. If any contract item is not available from the vendor, the Lexington-Fayette Urban County Government, at its option, may permit the item to be back-ordered or may procure the item on the open market.

D. All invoices must bear reference to the Lexington-Fayette Urban County Government Purchasing document numbers which are being billed.

E. This contract may be canceled by the Lexington-Fayette Urban County Government if it is determined that the Bidder has failed to perform under the terms of this agreement, such cancellation to be effective upon receipt of written notice of cancellation by the Bidder.

F. No substitutions for articles specified herein may be made without prior approval of the Division of Procurement.

EQUAL OPPORTUNITY AGREEMENT

Standard Title VI Assurance

The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Section 503 of the Rehabilitation Act of 1973 states: *The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability.*
- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Signature

Harrell's, LLC
Name of Business

GENERAL PROVISIONS OF BID CONTRACT

By signing the below, bidder acknowledges that it understands and agrees with the following provisions related to its bid response and the provision of any goods or services to LFUCG upon selection by LFUCG pursuant to the bid request:

1. Bidder shall comply with all Federal, State & Local regulations concerning this type of service or good. All applicable state laws, ordinances and resolutions (including but not limited to Section 2-33 (Discrimination due to sexual orientation or gender identity) and Chapter 13 (Licenses and Regulations) of the Lexington-Fayette Urban County Government Code of Ordinances, and the regulations of all authorities having jurisdiction over the project shall apply to the contract, and shall be deemed to be incorporated herein by reference.

2. Failure to submit ALL forms and information required by LFUCG may be grounds for disqualification.

3. Addenda: All addenda and IonWave Q&A, if any, must be considered by the bidder in making its response, and such addenda shall be made a part of the requirements of the bid contract. Before submitting a bid response, it is incumbent upon bidder to be informed as to whether any addenda have been issued, and the failure of the bidder to cover any such addenda may result in disqualification of that response.

4. Bid Reservations: LFUCG reserves the right to reject any or all bid responses, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.

5. Liability: LFUCG is not responsible for any cost incurred by bidder in the preparation of its response.

6. Changes/Alterations: Bidder may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the bid response, and received by LFUCG prior to the scheduled closing time for receipt of bids, will be accepted. The bid response when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of bid response".

7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from any bidder.

8. Bribery Clause: By his/her signature on its response, bidder certifies that no employee of his/hers, any affiliate or subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.

9. Additional Information: While not necessary, the bidder may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the bid response. Additional documentation shall not serve as a substitute for other documentation which is required by the LFUCG to be submitted with the bid response.

10. Ambiguity, Conflict or other Errors: If a bidder discovers any ambiguity, conflict, discrepancy, omission or other error in the bid request of LFUCG, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.

11. Agreement to Bid Terms: In submitting its bid response, the bidder agrees that it has carefully examined the specifications and all provisions relating to LFUCG's bid request, including but not limited to the bid contract. By submission of its bid response, bidder states that it understands the meaning, intent and requirements of LFUCG's bid request and agrees to the same. The successful bidder shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to bidder shall be authorized for services, expenses, or goods reasonably covered under these provisions that the bidder omits from its bid response.

12. Cancellation: LFUCG may unilaterally terminate the bid contract with the selected bidder(s) at any time, with or without cause, by providing at least thirty (30) days advance written notice unless a different advance written notice period is negotiated prior to contract approval. Payment for services or goods received prior to termination shall be

made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. Assignment of Contract: The selected bidder(s) shall not assign or subcontract any portion of the bid contract with LFUCG without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.

14. No Waiver: No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this bid proposal or bid contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.

15. Authority to do Business: Each bidder must be authorized to do business under the laws of the Commonwealth of Kentucky and must be in good standing and have full legal capacity to provide the goods or services specified in the bid proposal. Each bidder must have all necessary right and lawful authority to submit the bid response and enter into the bid contract for the full term hereof including any necessary corporate or other action authorizing the bidder to submit the bid response and enter into this bid contract. If requested, the bidder will provide LFUCG with a copy of a corporate resolution authorizing this action and/or a letter from an attorney confirming that the proposer is authorized to do business in the Commonwealth of Kentucky. All bid responses must be signed by a duly authorized officer, agent or employee of the bidder.

16. Governing Law: This bid request and bid contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this matter, the bidder agrees that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division and that the bidder expressly consents to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to these matters or any rights or obligations arising thereunder.

17. Ability to Meet Obligations: Bidder affirmatively states that there are no actions, suits or proceedings of any kind pending against bidder or, to the knowledge of the bidder, threatened against the bidder before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of bidder to perform its obligations under this bid response or bid contract, or which question the legality, validity or enforceability hereof or thereof.

18. Price Discrepancy: When applicable, in case of price discrepancy, unit bid price written in words will prevail followed by unit price written in numbers then total amount bid per line item.

19. Bidder understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Bidder is an independent contractor at all times related to the bid response or bid contract.

20. Contractor [or Vendor or Vendor's Employees] will not appropriate or make use of the Lexington-Fayette Urban County Government (LFUCG) name or any of its trade or service marks or property (including but not limited to any logo or seal), in any promotion, endorsement, advertisement, testimonial or similar use without the prior written consent of the government. If such consent is granted LFUCG reserves the unilateral right, in its sole discretion, to immediately terminate and revoke such use for any reason whatsoever. Contractor agrees that it shall cease and desist from any unauthorized use immediately upon being notified by LFUCG.

21. If any term or provision of this bid contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.

Signature

7/20/2020
Date

LEXINGTON

MINORITY BUSINESS ENTERPRISE PROGRAM

Sherita Miller, MPA, CPSD
Minority Business Enterprise Liaison
Division of Procurement
Lexington-Fayette Urban County Government
200 East Main Street
Lexington, KY 40507
smiller@lexingtonky.gov
859-258-3323

OUR MISSION: The mission of the Minority Business Enterprise Program (MBEP) is to facilitate the full participation of minority and women owned businesses in the procurement process and to promote economic inclusion as a business imperative essential to the long- term economic viability of Lexington-Fayette Urban County Government.

To that end the urban county council adopted and implemented Resolution 272-2024 – a Certified Minority and Women Business Enterprise seventeen percent (17%) minimum goal including minimum subgoals of five percent (5%) for Minority Business Enterprises (MBE) and a subgoal of twelve percent (12%) for Women Business Enterprises (WBE); a three (3%) minimum goal for Certified Veteran-Owned Small Businesses and/or Certified Service- Disabled Veteran Owned Businesses; and a goal of utilizing Disadvantaged Business Enterprises (DBE), where applicable, for government contracts.

The resolution states the following definitions shall be used for the purposes of reaching these goals:

Certified Disadvantaged Business Enterprise (DBE) *– a business in which at least fifty-one percent (51%) is owned, managed and controlled by a person(s) who is socially and economically disadvantaged as define by 49 CFR subpart 26.*

Certified Minority Business Enterprise (MBE) *– a business in which at least fifty-one percent (51%) is owned, managed and controlled by an ethnic minority (i.e. Black American, Asian American, Hispanic American, Native American)*

Certified Women Business Enterprise (WBE) *– a business in which at least fifty-one percent (51%) is owned, managed and controlled by a woman.*

Certified Veteran-Owned Small Business (VOSB) *– a business in which at least fifty-one percent (51%) is owned, managed and controlled by a veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.*

Certified Service -Disabled Veteran Owned Small Business (SDVOSB) *– a business in which at least fifty-one percent (51%) is owned, managed and controlled by a disabled veteran who served on active duty with the U.S. Army, Air Force, Navy, Marines or Coast Guard.*

The term "Certified" shall mean the business is appropriately certified, licensed, verified, or validated by an organization or entity recognized by the Division of Procurement as having the appropriate credentials to make a

determination as to the status of the business.
The following certifications are recognized and accepted by the MBEP:

Kentucky Transportation Cabinet (KYTC), Disadvantaged Business Enterprise (DBE)
Kentucky Minority and Women Business Enterprise (MWBE)
Women's Business Enterprise National Council (WBENC)
National Women Business Owners Corporation (NWBOC)
National Minority Supplier Development Council (NMSDC)
Tri-State Minority Supplier Development Council (TSMSDC)
U.S. Small Business Administration Veteran Small Business Certification (VetCert)
Kentucky Service- Disabled Veteran Owned Small Business (SDVOSB)

To comply with Resolution 272-2024, prime contractors, minority and women business enterprises, veteran owned small businesses, and service-disabled veteran owned small businesses must complete monthly contract compliance audits in the Diverse Business Management Compliance system, https://lexingtonky.diversitycompliance.com/

A list of organizations that certify and/or maintain lists of certified businesses (i.e. DBE, MBE, WBE, VOSB and/or SDVOSB) is available upon request by emailing, Sherita Miller, smiller@lexingtonky.gov.

LEXINGTON

LFUCG MWDBE PARTICIPATION FORM
Bid/RFP/Quote Reference # 76-2026

The MWDBE and/or veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to the Division of Procurement for approval immediately. **Failure to submit a completed form may cause rejection of the bid.**

MWBE Company, Name, Address, Phone, Email	DBE/MBE WBE/VOSB/SDVOSB	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1. We will not be utilizing subcontractors for this bid.				
2.				
3.				
4.				

The undersigned company representative submits the above list of MWDBE and veteran firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Harrell's, LLC
Company

Company Representative

7/29/2026
Date

SVP/CHRO
Title

LEXINGTON

LFUCG MWDBE SUBSTITUTION FORM
Bid/RFP/Quote Reference # 76-2026

The substituted MWDBE and/or veteran subcontractors listed below have agreed to participate on this Bid/RFP/Quote. These substitutions were made prior to or after the job was in progress. These substitutions were made for reasons stated below and are now being submitted to the Division of Procurement for approval. By the authorized signature of a representative of our company, we understand that this information will be entered into our file for this project. **Note: Form required if a subcontractor is being substituted on a contract.**

SUBSTITUTED DBE/MBE/WBE/VOSB Company Name, Address, Phone, Email	DBE/MBE/WBE/VOSB/SDVOSB Formally Contracted/ Name, Address, Phone, Email	Work to Be Performed	Reason for the Substitution	Total Dollar Value of the Work	% Value of Total Contract
1. We will not be utilizing subcontractors for this bid.					
2.					
3.					
4.					

The undersigned acknowledges that any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Harrell's, LLC
Company

Company Representative

7/20/2026
Date

SVP/CHRO
Title

LEXINGTON

DOCUMENTATION REQUIRED FOR GOOD FAITH EFFORTS AND OUTREACH PLANS

As affirmed in Resolution Number 272-2024, the Urban County Council has adopted an annual aspirational goal of utilizing at least seventeen percent (17%) of public funds spend from certain discretionary agreements with certified Minority Business Enterprises (MBEs) and certified Woman Business Enterprises (WBEs); utilizing at least three percent (3%) of public funds from certain discretionary agreements with Certified Veteran-Owned Small Business and Certified Service-Disabled Veteran-Owned Small Businesses (VOSBs); and utilizing Disadvantaged Business Enterprises (DBEs) where applicable. Bidders should make every effort to achieve these goals.

Therefore, as an element of the responsiveness of the bid, all Bidders are required to submit documentation of their good faith and outreach efforts to ensure all businesses, including small and disadvantaged businesses such as minority-, woman-, and veteran-owned businesses, have an equal opportunity to compete for and participate in the performance of any subcontracts resulting from this procurement. Examples of good faith and outreach efforts that satisfy this requirement to encourage the participation of, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs include:

1. Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women, and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs to participate.

2. Attended LFUCG Procurement Economic Inclusion Outreach event(s) within the past year to meet new small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs to partner with on LFUCG contracts and procurements.

3. Attended pre-bid/pre-proposal meetings that were scheduled by LFUCG to inform small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs of subcontracting opportunities.

4. Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs.

5. Requested a list of certified small, DBE, MBE, WBE, VOSB and/or SDVOSB subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).

6. Contacted organizations that work with small, DBE, MBE, WBE, and VOSB companies for assistance in finding certified DBEs, MBEs, WBEs, VOSB and/or SDVOSBs to work on this project. Those contacted and their responses must be a part of the bidder's outreach efforts documentation.

7. Sent written notices, by certified mail, email, or facsimile, to qualified, certified small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.

8. Followed up initial solicitations by contacting small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs via tailored communications to determine their level of interest.

9. Provided the interested small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs with adequate and timely information about the plans, specifications, and requirements of the contract.

10. Selected portions of the work to be performed by small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs in order to increase the likelihood of subcontracting participation. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate small, DBE, MBE, WBE, VOSB and/or SDVOSB participation, even when the prime contractor may otherwise perform these work items with its own workforce.

11. Negotiated in good faith with interested small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs, not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection must be so noted in writing with a description as to why an agreement could not be reached.

12. Included documentation of quotations received from interested small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs that were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

    a. Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a small business', DBE's MBE's, WBE's, VOSB's and/or SDVOSB's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy the participation goals.

13. Made an effort to offer assistance to or refer interested small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal.

14. Made efforts to expand the search for small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs beyond the usual geographic boundaries.

15. Other – any other evidence that the bidder submits that may demonstrate that the bidder has made reasonable efforts to include small, DBE, MBE, WBE, VOSB and/or SDVOSB participation.

Bidder must document, with specificity, each of the efforts it made to include small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs as subcontractors in the procurement, including the date on which each effort was made, the medium through which each effort was made, and the outcome of each effort.

Note: Failure to submit the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to review by the MBE Liaison. Documentation of Good Faith and Outreach Efforts must be submitted with the Bid, regardless of the proposed level of small, DBE, MBE, WBE, VOSB and/or SDVOSB participation in the procurement. If the Good Faith and Outreach Effort documentation is not submitted with the bid response, the bid may be rejected.

OUTREACH EFFORTS EVALUATION

Outreach efforts demonstrated by the bidder or respondent will be evaluated on a pass/fail basis.

ATTACHMENT A – SMALL AND DISADVANTAGED, MINORITY-, WOMEN-, AND VETERAN-OWNED BUSINESS OUTREACH PLAN

Proposer Name:	Harrell's, LLC	**Date:**	
Project Name:	Horticultural Products for Golf Courses	**Project Number:**	76-2026
Contact Name:	Lee Simpson	**Telephone:**	800-282-8007
Email:	Lsimpson@Harrells.com		

The mission of the Minority Business Enterprise Program is to facilitate the full participation of disadvantaged businesses, minority-, women-, veteran-, and service-disabled veteran-owned businesses in the procurement process and to promote economic inclusion as a business imperative essential to the long -term economic viability of Lexington-Fayette Urban County Government.

To that end, small and disadvantaged businesses, including minority-, woman-, veteran-, and service-disabled veteran-owned businesses, must have an equal opportunity to be utilized in the performance of contracts with public funds spent from certain discretionary agreements. By submitting its offer, Bidder/Proposer certifies that it has taken, and if there are further opportunities will take, reasonable steps to ensure that small and disadvantaged businesses, including minority-, woman-, veteran-, and service-disabled veteran-owned businesses, are provided an equal opportunity to compete for and participate in the performance of any subcontracts resulting from this procurement.

The information submitted in response to this clause will not be considered in any scored evaluation. Failure to submit this form may cause the bid or proposal to be rejected.

Is the Bidder/ Proposer a certified firm? Yes ☐ No ☑

If yes, indicate all certification type(s):

DBE ☐ MBE ☐ WBE ☐ SBE ☐ VOSB/SDVOSB ☐

and supply a copy of the certificate and/or certification letter if not currently listed on the city's Minority Business Enterprise Program's (MBEP) certified list.

1. Include a list of firms that Bidder/ Proposer has had a contractual relationship with within the last two years that are minority-owned, woman-owned, veteran-owned or small businesses, regardless of their certification status.

Harrell's does not utilize subcontractors.

Click or tap here to enter text.

2. Does Bidder/Proposer foresee any subcontracting opportunities for this procurement?

Yes ☐ No ☑

If no, please explain why in the field below. Do not complete the rest of this form and submit this first page with your bid and/or proposal. Click or tap here to enter text.

Harrell's does not need to utlize any subcontractors to fulfill this contract.

If yes, please complete the following pages and submit all pages with your bid and/or proposal.

Describe the steps Bidder/Proposer took to solicit small and disadvantaged businesses, including MBEs, WBEs, VOSBs, and SDVOSBs, for subcontracting opportunities for this procurement.

3. Check the good faith and outreach efforts the Bidder/Proposer used to encourage the participation of small and disadvantaged businesses including, MBEs, WBEs, VOSBs and SDVOSBs:

☐ Bidder placed advertisements in search of prospective small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs for the solicitation.

☐ Bidder attended LFUCG Procurement Economic Inclusion Outreach event(s) within the past year.

☐ Bidder attended pre-bid and/or pre-proposal meetings for this solicitation.

☐ Bidder sponsored an Economic Inclusion Outreach event.

☐ Bidder requested a list of certified small, DBE, MBE, WBE, VOSB and/or SDVOSB subcontractors or suppliers from LFUCG.

☐ Bidder contacted organizations that work with small, DBE, MBE, WBE, VOSB and/or SDVOSB companies.

☐ Bidder sent written notices to certified small, DBE, MBE, WBE, VOSB and SDVOSB businesses.

☐ Bidder followed up to initial solicitations with interested small, DBE, MBE, WBE, VOSB and/or SDVOSB.

☐ Bidder provided small, DBE, MBE, WBE, VOSB and/or SDVOSB businesses interested in performing the solicited work with prompt access to the plans, specifications, scope of work, and requirements of the solicitation.

☐ Bidder made efforts to segment portions of the work to be performed by small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs, including dividing sub-bid/partnership opportunities into economically feasible units/parcels, to facilitate participation.

☐ Bidder negotiated in good faith with interested small, DBE, MBE, WBE, VOSB and/or SDVOSB businesses.

☐ Bidder provided adequate rationale for rejecting any small business', DBEs, MBEs, WBEs, VOSBs or SDVOSBs for lack of qualifications.

☐ Bidder offered assistance in obtaining bonding, insurance, financial, equipment, or other resources to small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs, in an effort to assist them in meeting project requirements.

☐ Bidder made efforts to expand the search for small businesses, DBEs MBEs, WBEs, VOSBs and/or SDVOSBs beyond the usual geographic boundaries.

☐ Bidder made other reasonable efforts to include small businesses, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs participation.

4. Bidder/Proposer must include documentation, including the date each effort was made, the medium through which each effort was made, and the outcome of each effort with this form, regardless of the level of small, DBE, MBE, WBE, VOSB and/or SDVOSB participation. Examples of required documentation include copies of email communications, copies of newspaper advertisements, or copies of quotations received from interested small businesses, DBEs, MBEs, WBEs, VOSBs or SDVOSBs.

Click or tap here to enter text.

For detailed information regarding outreach efforts that satisfy the MBE Program's requirements, please see "Documentation Required for Good Faith Efforts and Outreach Plans" page.

Note: The Bidder/Proposer must be willing to report the identity of each subcontractor and the value of each subcontract to MBEP if awarded a contract from this procurement.

Failure to submit the documentation requested may be cause for rejection of the bid. Bidders may include any other documentation deemed relevant to this requirement, which is subject to review by the MBE Liaison. Documentation of Good Faith and Outreach Efforts must be submitted with the bid, regardless of the proposed level of SBEs, DBEs, MBEs, WBEs, VOSBs and/or SDVOSBs participation in the procurement. If the Good Faith and Outreach Effort Form and associated documentation is not submitted with the bid response, the bid may be rejected.

The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Harrell's, LLC
Company

7/20/2026
Date

Company Representative

SVP/CHRO
Title

4870-1925-6809, v. 1

Lexington-Fayette Urban County Government
Division of Parks and Recreation

BID 76-2026 HORTICULTURE PRODUCTS FOR GOLF COURSES

ALL BIDDERS MUST FURNISH SPECIFICATION

(NOT MSDS SHEETS) SHEETS FOR ALL PRODUCTS BEING BID

AS PART OF THE BID PACKAGE TO MEET BID REQUIREMENTS.

BIDS NOT FULFILLING THIS REQUIREMENT WILL NOT BE ACCEPTED.

F E R T I L I Z E R S

FZ1. FAIRWAY FERTILIZER

Approximate ratio of 4-1-2. A minimum of 90% of the nitrogen derived from urea and methylene urea of which a minimum of 21.0% is derived from water insoluble methylene urea. The phosphorus derived from ammoniated phosphate and the potassium for potassium sulfate.

Product to be non-burning, ready-to-use, granular particles, largely dust-free. No inert or filler used.

25-2-8	50lbs	200	MU	$40.50
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

mini particle 150 SGN

FZ1a. FAIRWAY FERTILIZER

Approximate ratio of 22-0-11, slow release.

22-0-11	50lbs	200	Polyon 44 50% Urea	$24.90
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ2. GREENS FERTILIZER

Approximate ratio 3-0-2. All the Nitrogen derived from Urea and Methylene Urea. A minimum of 33.2 percent is from water-insoluble methylene urea: the remaining 66.8 percent derived from water-soluble urea and methylene urea. Potash (16%) and sulfur (8%) derived from potassium sulfate. Other nutrients: magnesium (2%), boron (0.02%), copper (0.05%), iron (0.10%), manganese (0.05%), molybdenum (0.005%) and zinc (0.05%).
Product to be non-burning, ready to use, granular particles, largely dust free.

19-0-17	50 lbs	150-200	MU	$74.90
Analysis	Lbs. per Bag	Rate Per Acre	Active Ingredient	Unit Price

Tru-Prill

FZ3. STARTER FERTILIZER – GREENS GRADE

Approximate ratio of 3-4-1 or equivalent. A minimum of 97% of the nitrogen derived from urea and methylene urea of which a minimum of 3 % is from water insoluble methylene urea.

Product to be dry applied, granular, and non-burning particles. Ingredients reacted and condensed to form a cellular, self-supported product.

7-15-15	50	150-200	MU	$46.00
Analysis	Lbs. per Bag	Rate Per Acre	Active Ingredient	Unit Price

FZ4. 17-3-19

Starter fertilizer.

Active Ingredient: Nitrogen, Phosphate, Potash

Rate: Variety

17-3-19	50 lbs	150-200	MU	$42.00
Analysis	Lbs. per Bag	Lbs. Per 1000	Active Ingredient	Unit Price

FZ5. 16-3-6 W/DIMENSION FAIRWAY GRADE

A selective herbicide that provides pre-emergence control of listed annual grasses and broadleaf weeds in established cool and warm season turf grasses

Total Nitrogen 16% (1.2% Ammoniacal Nitrogen, 14.8% Urea Nitrogen), Available Phosphoric Acid 3%, Soluble Potash 6%.

Active Ingredient: Dithlopyr 0.13%

19-0-5	50 lbs	5.2	Dithlopyr	$39.00
Analysis	Lbs. per Bag	Lbs. Per 1000	Active Ingredient	Unit Price

.17 Dimension

FZ5a. 2-0-1 W/DIMENSION .17 Dimension

12-0-5	50 lbs	200	Dithlopyr/Polyon	$29.00
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ6. HIGH POTASSIUM FERTILIZER

Approximate Ratio of 0-0-50. All nitrogen derived from urea and methylene urea of which 3.3% is derived from water-insoluble methylene urea. Remaining nitrogen derived from water soluble urea and slowly available methylene urea. Potash and sulfur derived from potassium sulfate.

The product to be non-burning when used as directed, dust-free, ready-to-use, homogeneous, high density granules. Contains no inert filler. No chloride containing salts.

0-0-50	50 lbs	4	K	$42.00
Analysis	Lbs. per Bag	Lbs. per 1000	Active Ingredient	Unit Price

FZ7. TURF FERTILIZER

Approximate ratio of 2-0-1 or equivalent, plus 5% manganese. 100% of the nitrogen derived from urea and methylene urea. 5.1% is from water-insoluble methylene urea; the remaining water-soluble urea and slowly available methylene urea. Nitrogen availability in dry form in soluble fraction 40-50%

Product to be non-burning, ready to use, dust free, composed of dense homogeneous granules.

30-0-5	50	150-200	Polyon	$32.00
Analysis	Lbs. per Bag	Lbs. Per Acre	Active Ingredient	Unit Price

FZ8. FLUID FERTILIZER

Approximate ratio 18-1-2. Nitrogen is derived from urea and water soluble nitrogen with 54% being treason nitrogen.

A clean, true solution with a good range of tank mix compatibility's.

18-3-6	5	3-6	Umaxx	$130.00
Analysis	Gal. per Case	Oz.per 1000	Active Ingredient	Price per Case

FZ8a. FLUID FERTILIZER

Approximate ratio of 4-1-4.

4-0-0	5 gal per case	3-6 oz per M	MN nitrate	$320.00
Analysis	~~Lbs. per bag~~	Rate Per Acre	Active Ingredient	Unit Price

FZ8b. FLUID FERTILIZER

Approximate ratio of 18-3-6.

18-3-6	5 gal per case	3-6 oz per M	Umaxx	$130.00
Analysis	~~Lbs. per bag~~	Rate Per Acre	Active Ingredient	Unit Price

FZ8c. FLUID FERTILIZER

Approximate ratio of 30-0-0.

30-0-0	5 gal per case	3-6 oz per M	Urea Triazone	$95.00
Analysis	~~Lbs. per bag~~	Rate Per Acre	Active Ingredient	Unit Price

Tall Turf Gal per case

FZ8d. FLUID FERTILIZER

Approximate ratio of 3-6-12

12-0-12	5 gal per case	3-6 oz per M	Potassium Acctate	$140.00
Analysis	~~Lbs. per bag~~	Rate Per Acre	Active Ingredient	Unit Price

FZ8e. FLUID FERTILIZER

Approximate ratio of 1-1-1.

7-0-7	5 gal per case	3-6 oz per M	Kelp Extract	$440.00
Analysis	~~Lbs. per bag~~	Rate Per Acre	Active Ingredient	Unit Price

FZ9. ROUGH GRADE FERTILIZER

Approximate 2-1-1 Ratio: Nitrogen source to be derived from Urea.

30-0-5	50	150-200	Polyon/Urea	$32.50
Analysis	Lbs. per Bag	Lbs per Acre	Active Ingredient	Unit Price

FZ10. PREEMERGENT FOR GREENS AND FINE TURF 10-3-10, .13 dithiopyr

18-6-15
.164% Dithiopyr/65%Nutralene

10-3-10	50	Dithiopyr	$54.00
Analysis	Lbs per Bag	Active Ingredient	Unit Price

FZ11. UREA 40-0-0

40% nitrogen based granular fertilizer
50 Pound Bags

No Bid
Price per bag

FZ12. Urea 35-0-0

35% nitrogen based granular
50 lb bags

No Bid
Price per bag

FZ13. Phosphite

Liquid foliar Title Phyte

Active Ingredient: Phosphite 25-40% (Approx.)

$168.00 per 2.5 jug
Price per bag

FZ14. LIQUID FERTILIZER

Derived from Humus

Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price
Earthmax	5 gallons	3-6 oz per M	4.3% Humic Acid	$230.00

FZ15. Advantage

Liquid foliar fertilizer. Approximate ratio of 5-0-0 or equivalent.

Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price
Mn	5 gallons	3-6 oz per M	5% Mn	$89.00

FZ16. Upplause Plus

10% Liquid Nitrogen Fertilizer. Approximate ratio of 10-0-0 or equivalent.

Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price
12-0-0	5 gallons	3-6 oz per M	6% Fe 3% Mn	$98.00

H E R B I C I D E S

HC1. DITHLOPYR (AGENCY PRICING)

A selective herbicide that provides pre-emergence control of listed annual grasses and broadleaf weeds in established cool and warm season turfgrasses.
Active Ingredient: Dithlopyr 40 %

24-32-07	Dithlopyr	$1,287.26 (5 gallons)
Rate Per Acre	Active Ingredient	Unit Price

HC1a. SUITABLE SUBSTITUTE

No Bid		
Rate Per Acre	Active Ingredient	Unit Price

HC2. TRIMEC BENTGRASS, OR SUITABLE SUBSTITUTE

A broad spectrum herbicide which contains .5 lbs. of 2 4-D; 1.5 lbs. of MCPP and .2 lbs of Dicamba. Can be used on bentgrass fairways, tees and greens.

3-4 pints	24 D MCPP	$336.00
Rate per Acre	Active Ingredient	Unit Price

HC2a. SUITABLE SUBSTITUTE

3-4 pints	24D Dicamba	$135.00 Triplet SF
Rate Per Acre	Active Ingredient	Unit Price

HC3. TRIMEC CLASSIC, OR SUITABLE SUBSTITUTE

A broad spectrum herbicide which contains 2.03 lbs 2, 4-D, 1.08 lbs MCPP and 0.21 lbs Dicamba.

3-4 pints	MCPP / D7Camba	$475.00 Speedzone Red
Pints per Acre	Active Ingredient	Unit Price

HC3a. SUITABLE SUBSTITUTE

No Bid		
Rate Per Acre	Active Ingredient	Unit Price

HC4. PACLOBUTRAZOL, OR SUITABLE SUBSTITUTE

Active ingredient: Paclobutrazol (22.3%)

Rate: 64 fluid ounces treats 2-10 acres (depending on rate applied)

.27	1 gallon	Clarelle Paclobutrazol	$295.00
Rate Per 1000	Gallons per case	Active Ingredient	Price per Case

HC4a. TRIMMITT (AGENCY PRICING)

.27	1 gallon	Paclobutrazol	$578.00
Rate Per 1000	Gallons per case	Active Ingredient	Price per Case

HC4b. SUITABLE SUBSTITUTE

Rate Per 1000	Gallons per case	Active Ingredient	Price per Case

HC5. PRIMO MAX (AGENCY PRICING)

A plant growth regulator that improves the quality of cool season turf grasses.
Active Ingredient: Trinexapac-ethyl 11.3%

Rate: 6-10 oz. /Acre every 10-14 days

2 x 1	Trinexapac-ethyl	.125	$660.00
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC6. TRINEXAPAC-ETHYL

Active Ingredient: Trinexapac-ethyl 11.3% (Approx.)

Rate: Approx. 1.5-3 lbs. /acre Podium

5 gallons	Trinexapac-ethyl	.125	$698.00
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC7. NUTSEDGE CONTROL

A post-emergence herbicide for control of yellow nutsedge.

Active Ingredients: Halosulfuron Methyl, 75%

12 x 1	Halosulfuron	1.3 acre	$929.40
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC7a. SUITABLE SUBSTITUTE

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC8. ACCLAIM (AGENCY PRICING)

For postemergence annual and perennial grass control in turf grass including sod farms, commercial and residential turf, and ornamentals.

Active Ingredient: Fenoxaprop-p-ethyl, 6.59%

Rate: 16-39 oz. /acre

1 gallon	Fenoxaprop	5-10 oz per acre	$895.00
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC9. TENACITY (AGENCY PRICING)

Herbicide for the selective contact and residual control of weeds in ornamental turf grasses.

Active Ingredient: Mesotrione, 40%

Rate: 5-8 oz. /acre

1 gallon	Mesotrione	5-8 oz per acre	$873.50 more than 8 $961.75 less than 8
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC9a. SUITABLE SUBSTITUTE

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC10. GLYPHOSATE

Non-selective herbicide.

Active Ingredient: Glyphosate, 40% (Approx.)

Rate: Depends on application

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
5 gallon	Glyphosate		$102.00

HC10a. SUITABLE SUBSTITUTE

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
No Bid			

HC11. PROXY (AGENCY PRICING) This product is non-agency

Growth regulator, provides suppression of unwanted grasses.

Active Ingredient: Ethephon (22%)

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
5 gallons	Ethephon (22%)	5 oz	$239.00

HC11a. SUITABLE SUBSTITUTE

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC12. PYLEX (AGENCY PRICING)

Weed control, post-emergence.

Active Ingredient: Topramezone (30%)

Variable Rate

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
4 oz bottle	Topramezone (30%)	.125 per Acre	$403.12

HC13. Dimension Ultra 40WP

Specialty Herbicide provides control of listed annual grasses and broadleaf weeds.

Active Ingredient: Dithiopyr 40%

8 x 2.5 lbs	Dithilopyr	4-5 bags per Acre	$1,130.00
Gallons/Lbs per Case	Active Ingredient	Rate per 1000	Price per Case

I N S E C T I C I D E S

IC1. IMIDACLOPRID

A systemic insecticide for control of white grubs and bilbugs.

Active ingredients: Imidacloprid 75% Malley 2P
Rate: 1.6 oz/11,000 sq. ft.

2 x 2.5 gal	Imidacloprid	3.5 oz	$276.00
Lbs. per Case	Active Ingredient	Oz. Per 1000	Price per Case

IC2. BIFENTHRIN Talstar

To control pests and insects.

Active Ingredient: Bifenthrin, 7.9%

Rate: .25-1 oz. /1000 sq. ft.

4x1 gal	Bifenthrin	10-17oz per acre	$220.00
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

IC3. TRIPLE CROWN, OR SUITABLE SUBSTITUTE

Insect control.

Active Ingredient: Zeta-Cypermethrin, 2.7%

Rate: 10-15 oz. /Acre

1 gallon	Zeta Cypemethrin	30-35 oz per acre	$371.20
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

IC3a. SUITABLE SUBSTITUTE

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

IC4. ACELEPRYN (AGENCY PRICING)

Insect control.

Active Ingredient: Chlorantranileiprole, 18.4%

Rate: 8 oz. /acre

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
0.5 gallon	Chlorantranileiprole	8oz per acre	$814.50 more than 8 $905.00 less than 8

IC5. Tetrino

Fast-acting, season-long control of white grubs and annual bluegrass weevil.

Active ingredient: Tetraniliprole

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
1 gallon	Tetraniliprole	32oz per acre	$606.72

F U N G I C I D E S

FC1. SUBDUE MAXX (AGENCY PRICING)

A systemic fungicide for the control of Pythium.

Active Ingredient: Metalaxyl 21.3%

Rate: 1 -2 ounces per l000 square feet.

2 x 1	1-2oz per M	Metalaxyl	$1,284.00
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC1a. SUITABLE SUBSTITUTE

Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC2. IPRODIONE 26019

A broad spectrum foliar fungicide for the prevention and control of a wide range of diseases such as leaf spot, pink snow mold, dollar spot, brown patch, gray snow mold, red thread, mildew and fusarium blight.

Active Ingredient: Iprodione 23.3% (Approx.)

Rate: 2 ounces per l,000 square foot at 10-14 day intervals for red thread.

5 gallon	3-4 oz	Iprodione	$348.00
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC2a. SUITABLE SUBSTITUTE Ipro2 Qualipro

5 gallons	3-4 oz	Iprodione	$438.00
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC3. BANNER MAXX (AGENCY PRICING)

Banner is a preventive systemic fungicide that controls dollar spot, brown spot and other diseases.

Active Ingredient: Propiconazole 14.3% (Approx.)

Rate: 1 oz. per l000 sq. ft.

2 x 1	1 oz	Propiconazole	$536.00
Gallons per case	Rate per 1000	Active Ingredient	Price per Case

FC3a. SUITABLE SUBSTITUTE Harrell's ProtectMax Support 100%

2.5 gallons	1 oz	Propiconazole	$224.00
Gallons per Case	Rate per 1000	Active Ingredient	Price per ~~Case~~ 2.5gal

FC4. MANCOZEB Harrell's ProtectMax - we back 100%

A fungicide for the prevention & control of dollar spot, brown patches & pythium on turf.

Active Ingredient: Mancozeb 37% (Approx.)

Rate: 6-8 oz./1000 sq. ft.

3 x 12	6-8 oz	Mancozeb	$258.00
Gallons per Case	Rate per 1000	Active Ingredient	Price per case

FC5. BAYER SIGNATURE (AGENCY PRICING) ENVU is the new company name

A systemic fungicide to be used in a seasonal program for the control of Pythium blight and Yellow tuft on common turf grasses, golf courses, and other turf areas.

Active Ingredient: Aluminum Tris 80 %

Rate: 4 oz. per 1,000 sq. ft. at 14-day interval
8 oz. per 1,000 sq. ft. at 21-day interval

11 lb bottle	4oz	Aluminum Tris	$431.64
LBS per Case	Rate per 1000	Active Ingredient	Price Per Case

FC6. SIGNATURE XTRA STRESSGARD (AGENCY PRICING)

Active Ingredient: Aluminum tris, 60%

Rate: 2-6 oz. /1000 sq. ft.

4 x 5.5 lbs	Aluminum Tris	4oz	$897.40
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC7. CHLOROTHALONIL, FLOWABLE Harrell's ProtectMax - we back 100%

For broad spectrum disease control of dollar spot, brown patch, and leaf spot.

Active Ingredient: Chlorothalonil, 54% (Approx.)

Rate: 2-8 oz. /1000 sq. ft.

5 gallons	Chlorothalonil 6L	3oz	$288.00
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC8. AZOXYSTROBIN, FLOWABLE Harrell's ProtextMax

A broad spectrum, preventative fungicide with systemic and curative properties recommended for control of many turf diseases.

Active Ingredient: Azoxystrobin, 50% Approx.

RATE: .2 - .4/1000 14-28 day intervals

2 x 1	2-4	Azoxy	$818.00
Gallons per Case	Rate per 1000	Active Ingredient	Price per case

FC9. FLUTULONIL Harrell's ProtectMax

A systemic fungicide for control of brown patch, fairy ring, yellow patch and large brown patch.

RATE: 2-3oz. /1,000 sq. ft. at 14-30 day intervals

Active Ingredients: Flutolonil 70%

5 gallons	2.4 - 3.2	Flutolonil	$1,898.00
Lbs. per Case	Rate per 1000	Active Ingredient	Price per case

FC10. THIOPLIANATE METHYL Harrell's ProtectMax - we back 100%

A systemic fungicide for the prevention and control of dollar spot, brown patch, summer patch and leaf rot.

RATE: 2-4 oz./1,000 sq. ft. 7-14 day intervals

Active Ingredients: Thioplianate Methyl 45% (Approx.)

5 gallons	2 - 4 oz	T-Methyl	$409.60
Gallons per Case	Rate per 1000	Active Ingredient	Price per case

FC11. EMERALD (AGENCY PRICING)

A systemic anilide fungicide for the control of dollar spot, and bentgrass dead spot.

Active Ingredients: Boscalid, 3 pyridinecarboxamide, 2-chloro-N-(4'-chloro(1,1'-biphenyl)-2-y) 70%

.49 lbs	1 oz	Boscalid	$129.95
Lbs. Per Case.	Rate per 1000	Active Ingredient	Price per Case

FC12. DACONIL ACTION (AGENCY PRICING)

A flowable fungicide for control of turf diseases. Such as Dollar spot, anthracnose, leaf spot, brown blight, red threat, Pythium control.

Active Ingredients: Chlorothalonil 53.94%,

5 gallons/case	Chlorothalonil	3 - 3.5oz	$545.00 per case
Price per 2.5 gal	Active Ingredient	Rate Per 1000	

FC13. SECURE (AGENCY PRICING)

For use to control diseases of turf grasses.

Active Ingredients: Fluazinam 40%

Rate: .5 oz. /1000 sq. ft.

5 gallons	Fluazinam	0.5 oz	$3,370.00
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC13a. **SUITABLE SUBSTITUTE** Harrell's ProtectMax Fluazinam - we back 100%

5 gallons	0.5 oz	Fluazinam	$2,526.00
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC14. SECURE ACTION (AGENCY PRICING)

For use to control diseases of turf grasses.

Active Ingredients: Acibenzolar-S-Methyl 0.6%

Rate: .5 oz / 1000 sq. ft.

5 gallons	Fluazinam	0.5 oz	$3,555.00
Gallons Per Case	Active Ingredient	Rate per 1000	Price per Case

FC15. XZEMPLAR (AGENCY PRICING)

For disease control on turf grass.

Active Ingredient: Fluxapyroxad 26.55%

Rate: 7-12 oz. /Acre

114 oz bottle	Fluxapyroxad	7 - 11oz	$226.06 (11.4oz) $1,887.84 (114oz)
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC16. TEBUCONAZOLE Harrell's ProtectMax 100% supported

For disease control.

Active Ingredient: Tebuconazole 38.7% (Approx.)

Rate: .6 oz. /1000 sq. ft.

5 gallons	Tebuconazole	0.6-1oz	$618.00
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC17. ENCLAVE

For disease control.

Active Ingredient: Chlorothalonil 28.7%, Iprodione 9.4%, Thiophanoate methyl 9.4%, Tebuconazole 2.8%.

Rate: 4 oz. /acre

No Bid			
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC18. VELISTA (AGENCY PRICING)

For disease control.

Active Ingredient: N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)-1H-pyrazole-4-carboxamide 50%

Rate: 13-30 oz. /Acre

22oz bottle	Carboxamide 50%	13 - 30oz per acre	$308.00/bottle
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC19. INTERFACE (AGENCY PRICING)

For disease control.

Active Ingredient: Iprodione 23.10%

Rate: 3-7 oz. /1000 sq. ft.

5 gallons	Trifloxystrobin Iprodione 23.10%	3-5oz	$1,196.80
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC19a. SUITABLE SUBSTITUTE

_____	_____	_____	_____
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC20. KPHITE 7LP Harrell's TitlePhyte 0-0-30

For disease control.

Active Ingredient: Mono- and dipotassium salts of Phosphorous Acid 56%

Rate: 3-6 oz. /1000 sq. ft.

5 gallon	Phosphite	2 - 4 oz	$376.00
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC20a. **SUITABLE SUBSTITUTE**

_____	_____	_____	_____
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC21. APPEAR (AGENCY PRICING)

For disease control.

Gallons per Case	Rate per 1000	Active Ingredient	Price per Case
2 gallons	2 - 4 oz	Phosphite/Harrells PAR SG	$452.00

FC22. Maxtima

Disease control in turfgrass.

Active ingredient: mefentrifluconazole

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
5 gallons	Mefentrifluconazole	0.4 - 0.8 oz	$249.34 (26 oz bottle) $4,896.00 (5gal)

FC23. Posterity

Prevention and control of dollar spot and other listed diseases.

Active Ingredient: Pydiflumetofen 18.3 %

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
105 oz bottle	Pydiflumetofen 18.3%	0.8 - .016oz	$1,790.00

M I S C E L L A N E O U S

MC1. WETTING AGENT

A blend of non-ionic surfactants

$458.00 Harrell's Fleet
Price per Case

Harrell's Surace Rx
A blend of non-ionic surfactants
$498.00/per case

MC2. TURF MARKER & COLORANT

A blue spray indicator that mixes completely with water-soluble pesticides and fertilizers to show exactly where you sprayed.

$210.00 / 5 gallons
Price per Case

MC3. PH ACIDIFIER

A safe-to-use liquid ph acidifier and nonionic surfactant specially designed to modify spray solution ph. Break down from alkaline hydrolysis can reduce insecticide and fungicide performance.

1 gallon
Units per case

$50.00
Price per case

MC4. PIGMENT COLORANT Harrell's Par SG

Pigment designed to improve turf appearance. Green pigment spray additive.

$220.00
Price per gallon

MC5. PAR – PIGMENT COLORANT Harrell's Par SG

$220.00
Price per gallon

MC6. TANK CLEANER

Chemicals used to clean spray tanks. Removes residue and neutralizes leftover chemicals.

$228.00 - 12x1 quarts
Price per case

MC7. DEFOAMER

Foam suppressant.

$228.00 - 12x1 quarts
Price per case

MC8. Symphony

Wetting Agent promotes water infiltration. Active Ingredient Polyoxyalkylene polymers.

$458.00
Price per gallon

Fleet®
100

Harrell'sHydroMAX®
SOIL SURFACTANTS

ACTIVE INGREDIENT

Polyoxyalkylene Polymers.....100.0%

NONPLANT FOOD INGREDIENT

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

PRECAUTIONS

- Avoid getting in eyes or on skin. Use safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Do not contaminate water during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Rinse mouth. Do NOT induce vomiting. Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS:

☐ 250 gallons (946 liters)

☐ 30 gallons (113.52 liters)

☐ 2.5 gallons (9.46 liters)

Weight per gallon: 8.91 lbs. @ 68°F

#FLEET100 07/21

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**

Fleet® 100

Fleet® 100 will help reduce soil water repellency and promote water infiltration.

DIRECTIONS FOR USE

- Shake well before each use. For maximum performance, apply Fleet at recommended rates followed by irrigation to wash from plant surfaces into the root zone.
- Avoid spraying on concrete or painted surfaces as staining may occur.
- Keep container capped when not in use

RECOMMENDED RATES

5 - 8 ounces per 1,000 sq ft every 30 days

or

2.5 ounces per 1,000 sq ft every 14 days

Mix desired amount in 1 - 2 gallons of water and apply to 1,000 sq ft. Repeat application as noted above. Irrigate after application to move product into root zone using 0.5 - 1 inch of water.

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling, if available, or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within Thirty(30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

Fleet® Is a registered trademarks of Harrell's, LLC

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html

Harrell's Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**
Formulated in the USA.

#FLEET100 07/21

Blue Spray Indicator

ScB

Harrell's SprayMAX®

INGREDIENTS

Blue Dye.....100%

PRECAUTIONS

- Avoid getting in eyes or on skin. The use of safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product is recommended.
- Do not contaminate water during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS

☐ 250 gallons (946 liters)

☐ 30 gallons (113.52 liters)

☐ 2.5 gallons (9.46 liters)
Weight per gallon: 8.76 lbs. at 68° F

Harrell's
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#HSMBSI 06/16

Blue Spray Indicator

Harrell's Blue Spray Indicator is a proprietary colorant blend used as a visual aid to help identify areas covered by the applicator. For use with pesticides, fertilizers, and PGR foliar applications on turfgrass and other non-crop vegetation sites with all types of spray equipment.

Harrell's Spray Indicator leaves a temporary visual identification of the areas already treated by the applicator. Avoid the added cost of overlapping spray applications, and ensure that no areas are being skipped, saving you the time and expense of incomplete applications and re-treatments.

DIRECTIONS FOR USE:

For use on turfgrass and other non-crop vegetation sites.

RECOMMENDED RATES:

Equipment	Application	Rate
Spray Tank	Turf	12 - 16 oz./50 gallons
Backpack		1 oz./gallon

Add Harrell's Blue Spray Indicator to the spray tank after all other chemicals. Agitate as appropriate.

STORAGE AND CONTAINER DISPOSAL

Store above 45°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling, if available, or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

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#HSMBSI 06/16

pH Buffer

Harrell's SprayMAX

PRINCIPAL FUNCTIONING AGENTS

Alkyl Polyethoxy Ether	20.0%
Citric Acid	19.0%
Dimethyl poly siloxane (antifoam)	1.0%

CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANT	60.0%
TOTAL	100.0%

PRECAUTIONS

- Avoid getting in eyes or on skin. Use safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Do not contaminate food, feed, seed or water supplies during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Rinse mouth. Do not induce vomiting. Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS

1 gallon (3.78 liters)

Weight per gallon: 8.53 lbs. @ 68° F

#HSMBUF 06/17

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | Harrells.com

pH Buffer

Harrell's pH Buffer is a water conditioning agent that modifies elements such as pH and hardness of the spray water. Hard water and high pH can affect the effectiveness of certain pesticides.

DIRECTIONS FOR USE

READ AND FOLLOW DIRECTIONS FOR USE ON HERBICIDE LABELS.

Shake or agitate before use. It is recommended to use test areas when applying during high humidity, high temperatures or other possible situations where field practice is restricted. Always jar test HARRELL'S pH BUFFER with tank mix herbicides prior to mixing. Applicator must have experience with this product or conduct a phytotoxicity trial or use the directions from the products used in the tank mix.

1. Fill spray tank half full of water and begin agitation.
2. Add desired rate of HARRELL'S pH BUFFER to water before adding pesticides.
3. Add pesticides, as directed by label, while maintaining agitation.

NOTE: If pesticide label recommends the addition of a surfactant follow instructions accordingly. HARRELL'S pH BUFFER is not a replacement for a surfactant.

Do not use HARRELL'S pH BUFFER with herbicides that are not compatible in acidic conditions or low pH.

Do not use with sulfonyl urea or DSMA based herbicides.

Do not use with tank mixes utilizing fixed copper fungicides such as cupric hydroxide, basic copper, COPPER COUNT N or copper oxychloride.

Do not use this product on aquatic sites.

RECOMMENDED RATES

Apply 6-10 oz/100 gal. to decrease pH increment by 1 value.

SOLUTION pH BEFORE	OZ. OF pH Buffer/ 100 GALS. OF SPRAY SOLUTION	SOLUTION pH AFTER
8.0	0	8.0
8.0	8	5.7
8.0	16	4.5
8.0	24	4.0
8.0	32	3.6
8.0	40	3.4

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

Harrell's Growing a Better World®

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#HSMBUF 06/17

PAR® SG

Harrell's SprayMAX®

INGREDIENTS

Proprietary pigment dispersion.....100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

PRECAUTIONS

- Avoid getting in eyes or on skin. Use safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Do not contaminate food, feed, seed or water supplies during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Rinse mouth. Do NOT induce vomiting. Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS
1 gallon (3.78 liters)
Weight per gallon: 11.29 lbs. @ 68°F
#HSMPARSG 07/19

Harrell's Growing a Better World®
Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | *Harrells.com*

PAR® SG

GENERAL INFORMATION

PAR® SG is a stable pigment designed to improve the appearance of turf and provide a visual spray pattern identification for the applicator. The proprietary blend in PAR® SG will aid in more uniform applications of turf chemicals, including foliar fertilizers, plant growth regulators (PGRs), plant protectants, and herbicides.

RECOMMENDED RATES

Apply at a rate of 8 –16 oz. per acre (0.18 –0.37 oz./1,000 sq.ft.) in 40 – 50 gallons of water. For turf at mowing heights of ½" or greater, apply 8 –10 oz./acre in each of two directions.

For covering bermudagrass or zoysia fairways, tees, or sports turf prior to winter dormancy, make an initial application of 10 - 12 oz./acre in each of two directions after recovery from the first frost of the autumn. Apply to green turf for optimal results. Make subsequent applications of 10 –16 oz/acre as needed.

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling, if available, or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

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Harrell's Growing a Better World®

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#HSMPARSG 07/19

PAR® SG

Harrell's SprayMAX®

INGREDIENTS

Proprietary pigment dispersion.....100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

PRECAUTIONS

- Avoid getting in eyes or on skin. Use safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Do not contaminate food, feed, seed or water supplies during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Rinse mouth. Do NOT induce vomiting. Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS
1 gallon (3.78 liters)
Weight per gallon: 11.29 lbs. @ 68°F
#HSMPARSG 07/19

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PAR® SG

GENERAL INFORMATION

PAR® SG is a stable pigment designed to improve the appearance of turf and provide a visual spray pattern identification for the applicator. The proprietary blend in PAR® SG will aid in more uniform applications of turf chemicals, including foliar fertilizers, plant growth regulators (PGRs), plant protectants, and herbicides.

RECOMMENDED RATES

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For covering bermudagrass or zoysia fairways, tees, or sports turf prior to winter dormancy, make an initial application of 10 - 12 oz./acre in each of two directions after recovery from the first frost of the autumn. Apply to green turf for optimal results. Make subsequent applications of 10 –16 oz/acre as needed.

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling, if available, or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

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Harrell's Growing a Better World®

Harrell's, LLC

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#HSMPARSG 07/19

Tank Cleaner

Harrell's SprayMAX®

INGREDIENTS

Sodium Silicate, Potassium Hydroxide, Dipropylene Glycol, Surfactants

Ingredients are exempt from the requirement of a tolerance under 40 CFR 180.910.

PRECAUTIONS

Avoid getting in eyes or on skin. The use of safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product is recommended.

Do not contaminate food, feed, seed or water supplies during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.



FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minute. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

NET CONTENTS:
1 quart (946 ml) Weight per quart: 2.15 lbs. @ 68°F

Harrell's
Growing a Better World®

Harrell's, LLC | (800) 282-8007 | Harrells.com
Post Office Box 807 | Lakeland, FL 33802

Tank Cleaner

DIRECTIONS FOR USE

Shake or agitate before use.

Since the amount of residue varies, individual conditions will directly affect use rates of Harrell's Tank Cleaner. Generally, one quart treats up to 100 gallons. Circulate cleaning solution throughout entire system. Use high pressure spray to clean and rinse interior of spray tank. Purge systems, spray lines and nozzles. Drain and follow with complete rinse, using clean water. Always use enough Harrell's Tank Cleaner to completely remove all residues. Dispose of rinsate in conformance with local, state, and federal regulations.

STORAGE AND CONTAINER DISPOSAL

Store above 32°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within Thirty(30) days after purchase as a prerequisite to maintaining any claim again st Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

Harrell's
Growing a Better World®

Harrell's. LLC
(800) 282-8007 | Harrells.com
Post Office Box 807 | Lakeland, FL 33802

02/16

Defoamer 2.0

Harrell's SprayMAX®

PRINCIPAL FUNCTIONING AGENTS

Polydimethyl Siloxane 10.0%

CONSTITUENTS INEFFECTIVE AS A SPRAY ADJUVANT 90.0%

TOTAL 100.0%

CA Registration No . : 52287-50040-AA

PRECAUTIONS

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Do not contaminate food, feed, seed or water supplies during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists.
If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.
If Ingested: Rinse mouth. Do Not induce vomiting. Call 911 or a physician for treatment advice.
Have the product label with you when calling a doctor or going for treatment.

KEEP OUT OF REACH OF CHILDREN

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

Harrell's
Growing a Better World®

Harrell's, LLC | (800) 282-8007
Post Office Box 807 | Lakeland, FL 33802

NET CONTENTS
1 quart (946 ml)
Weight per gallon:
8.34 lbs. @ 70 °F

#HSMDEF2 06/20

Defoamer 2.0

Harrell's Defoamer 2.0 is a highly active, nonionic, silicone, defoamer designed to eliminate foam in a variety of applications. The use of Harrell's Defoamer 2.0 can control foaming of spray mixtures. The reduction of foam can reduce mixing and filling times and material loss caused by foaming-over of spray tanks. Harrell's Defoamer 2.0 formula is designed to prevent foam formation as well as provide curative knock down of foam that has previously formed.

DIRECTIONS FOR USE:

Shake or agitate before use.

For preventative defoaming: add 1 - 4 ounces of Harrell's Defoamer 2.0 to a partially water-filled tank first and agitate briefly before adding other products to the water then add remaining water and begin tank mix agitation. Urea water solution may require the higher use rate range for this product. If foaming re-develops after the tank mix level drops, stop agitation and add an additional 1 oz. of Harrell's Defoamer 2.0.

For foam reduction while mixing spray solutions: add Harrell's Defoamer 2.0 at a rate of 1-4 ounces per 100 gallons of spray solution. Water hardness, temperature or tank mix ingredients may require an adjustment up or down in rate. If foaming re-develops after the tank mix level drops, stop agitation and add an additional 1 oz. of Harrell's Defoamer 2.0.

STORAGE AND CONTAINER DISPOSAL

Store above 45°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

Information on the components of this product may be obtained by writing Harrell's, LLC at the address below.

Harrell's
Growing a Better World®

Harrell's, LLC
(800) 282-8007
Post Office Box 807 | Lakeland, FL 33802
Formulated in the USA

#HSMDEF2 05/20

Symphony®
Moisture management

Harrell'sHydroMAX®
SOIL SURFACTANTS

ACTIVE INGREDIENT

Polyoxyalkylene polymers 100%

NONPLANT FOOD INGREDIENT F352

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

PRECAUTIONS

- Avoid getting in eyes or on skin. The use of safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product is recommended.
- Do not contaminate food, feed, seed or water supplies during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS:

☐ 250 gallons (946 liters) ☐ 30 gallons (113.52 liters) ☐ 2.5 gallons (9.46 liters)

Weight per gallon: 8.83 lbs. @ 68°F

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | *Harrells.com*

Symphony®
Moisture management

Symphony will help break surface tension and promote water infiltration.

DIRECTIONS FOR USE

Apply Symphony® at recommended rates followed by irrigation to remove Symphony® from plant surface in order to maximize efficacy. Irrigate Symphony® to depth of distribution desired in the root-zone.

RECOMMENDED RATES

Apply 5 ounces per 1000 sq. ft. in 2 gallons of water per 1000 sq. ft. every 30 days or 2.5 ounces per 1000 sq. ft. every 14 days. irrigation after application is required to maximize efficacy. Irrigate 0.3 - 0.5 inch of water depending on the rootzone depth at which even distribution is desired.

STORAGE AND CONTAINER DISPOSAL

Store above 45°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling, if available, or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within Thirty(30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

HydroMAX®, Fleet® are registered trademarks of Harrell's, LLC

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | *Harrells.com*

09/15

GROUP 4A INSECTICIDE

Mallet® 2F T&O

Insecticide

Systemic and foliar insect control in turfgrass (including sod farms), landscape ornamentals, on ornamental and fruit and nut trees, on ornamental and vegetable plants in greenhouses, nurseries and interior plantscapes

ACTIVE INGREDIENT:	
Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-*N*-nitro-2-imidazolidinimine	21.4%
OTHER INGREDIENTS:	78.6%
TOTAL:	100.0%

Contains 2 pounds of imidacloprid per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION / PRECAUCION

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente. (TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 228-695

EPA Est. No.

Manufactured for
Nufarm Americas Inc.
11901 S. Austin Avenue
Alsip, IL 60803

1 91662 01254 5

Net Contents
1 Gal.
(3.78 L)

Nufarm
Grow a better tomorrow

RESTRICTED USE PESTICIDE

Toxic to fish and aquatic organisms.

For retail sale to and use only by certified applicators, or persons under their direct supervision and only for the uses covered by the certified applicator's certification.

6338

Talstar® S

SELECT INSECTICIDE

For Commercial Non-Food Use on Indoor and Outdoor Ornamentals, Greenhouses, Nurseries, Turf on Golf Courses and Sod Farms.

EPA Reg. No. 279-3155 **EPA Est. 279-NY-1**

Active Ingredient:	**By Wt.**
Bifenthrin:*	7.9%
Other Ingredients:	92.1%
	100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.

Talstar® Select Insecticide contains ⅔ pound active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.

DO NOT USE THIS PRODUCT ON GOLF COURSES AND SOD FARMS IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK.

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia PA 19103

Net Contents: One Gallon

05-02-12

FIRST AID	
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance.

NOTE TO PHYSICIAN

This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).

GROUP	3 4a	INSECTICIDES

Triple Crown™

T&O INSECTICIDE

For use on lawns and landscaped areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

EPA Reg. No. 279-3456 **EPA Est. No. 279-NY-1**

Active Ingredients:	**Wt.**
Zeta-Cypermethrin*	2.70%
Bifenthrin**	7.87%
Imidacloprid	13.83%
Other Ingredients***:	75.60%
	100.0%

Triple Crown T&O Insecticide contains 2.25 pounds active ingredients per gallon.
* Cis/trans isomer ratio: Max 75% (±) cis and Min. 25% (±) trans
** Cis isomers 97% minimum; trans isomers 3% maximum.
*** Contains Petroleum Distillates

KEEP OUT OF REACH OF CHILDREN

WARNING
AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See other panels for additional precautionary information.

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

Net Contents: 1 Gallon

05-29-13

FIRST AID

IF SWALLOWED	• Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give **any** liquid to the person • Do not give anything by mouth to an unconscious person.
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • Call a poison control center for treatment advice.
IF ON SKIN	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center for treatment advice.

NOTE TO PHYSICIAN

Contains petroleum distillates. Vomiting may cause aspiration pneumonia. This product contains a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance.

For information regarding the use of this product call 1-(800)-321-1FMC (1362).

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Warning

May be fatal if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear a long-sleeved shirt and long pants, socks, shoes and gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

User Safety Recommendations

Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help to avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops if bees are visiting the treatment area.

The chemical imidacloprid demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply by air.

Do not apply this product through any type of irrigation system.

Do not allow people or pets in treated area until spray has dried.

Apply this product directly to the lawn or garden area. Water treated area as directed on this label. Do not water to the point of run-off.

Do not make applications during rain.

Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur. Do not allow the product to enter any drain during or after application.

Not for use on plants being grown for sale, or other commercial use, or for commercial seed production, or for research purposes.

Not for use on golf courses, sod farms, nurseries, in commercial greenhouses or on grass grown for seed.

For use on plants intended for aesthetic purposes or climate modification and being grown in interior plantscapes, ornamental gardens, parks, lawns, or grounds.

APPLICATION INSTRUCTIONS

Apply Triple Crown T&O Insecticide as a broadcast treatment.

Use application volumes of up to 10 gallons per 1000 square feet when treating dense grass foliage for uniform coverage.

For low volume applications (< 2 gallons/1000 square feet), irrigate the treated area with at least 0.25 inches of water immediately following application to ensure efficacy against sub-surface pests (e.g. mole crickets).

TURF APPLICATION RATES

The application rates listed in the following table will provide excellent control of the respective pests under typical conditions. However, at the discretion of the applicator, Triple Crown T&O Insecticide may be applied at up to 0.80 fl oz per 1000 square feet (35 fl oz/A) to control each of the pests listed in this Table. The higher application rates should be used when maximum residual control is desired or heavy pest populations exist. Do not broadcast apply more than 0.88 fl oz/1000 ft2 (50 fl oz/A) per year.

Pest	Application Rate fl oz/A	Application Rate fl oz/1000 ft^2
Armyworms[1] Cutworms[1] Sod Webworm[1]	10- 15	0.23 – 0.34
Annual Bluegrass Weevil (Hyperodes) (Adult)[2] Banks Grass Mite[5] Billbugs (Adult)[3] Black Turfgrass Ataenius (Adult)[4] Centipedes Crickets Earwigs Fleas (Adult) Grasshoppers Leafhoppers Mealybugs Millipedes Mites[5] Pillbugs Sowbugs	10-20	0.23 – 0.46
Ants Black Vine Weevil (Adult) Chinch Bugs[6] Crane Flies[7] European Chafer Fleas (Larvae)[8] Frit Fly Green June Beetle May or June Beetle Imported Fire Ants[9] Japanese Beetle (Adult) Masked Chafer (Northern or Southern) Mole Cricket (Adult)[10] Mole Cricket (Nymph)[11] Stink Bugs Ticks [12]	20-35	0.46 – 0.80

In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

In New York State, do make a single repeat application of Triple Crown T&O Insecticide if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Comments

[1]**Armyworms, Cutworms and Sod Webworms:** To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application. If the grass area is being maintained at a mowing height of greater than 1 inch, then higher application rates (Up to 0.80 fluid oz. per 1000 square feet) may be required during periods of high pest pressure.

[2]**Annual Bluegrass Weevil (*Hyperodes*) adults:** Applications should be timed to control adult weevils as they leave their overwintering sites and move into grass areas. This movement generally begins when *Forsythia* is in full bloom and concludes when flowering dogwood (*Cornus florida*) is in full bloom. Consult your State Cooperative Extension Service for more specific information regarding application timing.

[3]**Billbug adults:** Applications should be made when adult billbugs are first observed during April and May. Degree day models have been developed to optimize application timing. Consult your State Cooperative Extension Service for information specific to your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

[4]**Black Turfgrass Ataenius adults:** Applications should be made during May and July to control the first and second generation of black turfgrass ataenius adults, respectively. The May application should be timed to coincide with the full bloom stage of Vanhoutte spiraea (*Spiraea vanhouttei*) and horse chestnut (*Aesculus hippocastanum*). The July application should be timed to coincide with the blooming of Rose of Sharon (*Hibiscus syriacus*).

[5]**Mites:** To ensure optimal control of eriophyid mites, apply in combination with the labeled application rate of a surfactant. A second application, five to seven days after the first, may be necessary to achieve acceptable control.

[6]**Chinch Bugs:** Chinch Bugs infest the base of grass plants and are often found in the thatch layer. Irrigation of the grass area before treatment will optimize the penetration of the insecticide to the area where the chinch bugs are located. Use higher volume applications if the thatch layer is excessive or if a relatively long mowing height is being maintained. Chinch Bugs can be one of the most difficult pests to control in grasses and the higher application rates (Up to 0.8 fluid oz. per 1000 square feet) may be required to control populations that contain both nymphs and adults during the middle of the summer.

[7]**Crane Flies:** Treatments can be made to control early to mid-season larvae (approximately August – February) as they feed on plant crowns. Treatments made to late-season larvae (approximately March, April) may only provide suppression.

[8]**Flea larvae:** Flea larvae develop in the soil of shaded areas that are accessible to pets or other animals. Use a higher volume application when treating these areas to ensure penetration of the insecticide into the soil. Note: if the lawn area is being treated with Triple Crown T&O Insecticide at 0.25 fluid oz. per 1000 square feet for adult flea control, then the larval application rate may be achieved by increasing the application volume two- to four-fold.

[9]**Imported Fire Ants:** Control will be optimized by combining broadcast applications that will control foraging workers and newly mated fly-in queens with mound drenches that will control existing colonies. If the soil is not moist, then it is important to irrigate before application or use a high volume application. Apply broadcast treatments at 0.46 to 0.80 fluid oz. per 1,000 square feet. Use enough finished volume to penetrate thatch or sod. Treat mounds by applying 0.80 oz Triple Crown T&O Insecticide per mound in 1 to 2 gallons water by sprinkling the mound until it is wet and treat 3 feet out around the mound. Use the higher volume for mounds larger than 12". Treat mounds with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. For best results, apply in cool weather (65 - 80˚F) or in early morning or late evening hours.

[10]**Mole Cricket adults:** Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely active stage. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure optimum control of subsequent nymph populations (see below).

[11]**Mole Cricket nymphs:** Grass areas that received intense adult mole cricket pressure in the spring should be treated immediately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides and they are located near the soil surface where the insecticide is most concentrated. Control of larger, more damaging, nymphs later in the year may require both higher application rates and more frequent applications to maintain acceptable control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide will be maximized.

[12]**Ticks (Including ticks that may transmit Lyme Disease and Rocky Mountain Spotted fever):** Do not make spot applications. Treat the entire area where exposure to ticks may occur. Use higher spray volumes when treating areas with dense ground cover or heavy leaf litter. Ticks may be reintroduced from surrounding areas on host animals. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed activity. Limit repeat application to no more than once per seven days.

Deer ticks (*Ixodes sp.*) have a complicated life cycle that ranges over a two year period and involves four life stages. Applications should be made in the late fall and/or early spring to control adult ticks that are usually located on brush or grass above the soil surface and in mid to late spring to control larvae and nymphs that reside in the soil and leaf litter.

American dog ticks may be a considerable nuisance in suburban settings, particularly where homes are built on land that was previously field or forest. These ticks commonly congregate along paths or roadways where humans are likely to be encountered. Applications should be made as necessary from mid-spring to early fall to control American dog tick larvae, nymphs and adults.

Resistance Management

Some insects are known to develop resistance to products with the same chemical class used repeatedly for control. Triple Crown T&O Insecticide contains Group 3 and Group 4A insecticides. Although pest resistance cannot be predicted, a general rule to reduce the onset of resistance in pest species to Triple Crown T&O Insecticide is not to consecutively and repeatedly apply Group 3 and/or Group 4A insecticides during a growing season for control of a particular pest target. Consult your local or state agricultural authorities or your FMC representative for more specific details on insect resistance management strategies. If resistance does occur use another chemistry class that is registered for the pest and crop.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed, or other pesticides or fertilizers by storage and disposal.

Pesticide Storage

Do not freeze. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call **CHEMTREC (Transportation and Spills): (800) 424-9300.**

To confine spill: Dike surrounding area or absorb with sand, cat litter, or commercial clay. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

Container Handling

Nonrefillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Conditions of Sale and Limitation of Warranty and Liability:

Notice: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and, to the extent consistent with applicable law, Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and, to the extent consistent with applicable law, buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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Not for Sale, Sale Into, Distribution and/or Use in Nassau, Suffolk, Kings, Queens Counties of New York State unless permitted under FIFRA Section 24(c) Special Local Need Registration.

CHLORANTRANILIPROLE	GROUP 28	INSECTICIDE

Acelepryn®

Insecticide

For foliar and systemic control of listed insect pests in commercial ornamental nurseries and greenhouses; and commercial sod farms.

For foliar and systemic control of listed insect pests in or on golf courses; sports and recreational turf; lawns and landscaped areas on and around residential, commercial and institutional properties; and interior plantscapes.

Active Ingredient:	
Chlorantraniliprole*:	18.4%
Other Ingredients:	81.6%
Total:	100.0%

*CAS No. 500008-45-7

Chlorantraniliprole belongs to the anthranilic diamide chemical class.

Acelepryn® is formulated as a suspension concentrate that contains 1.67 lb chlorantraniliprole per gallon of product.

KEEP OUT OF REACH OF CHILDREN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

EPA Est. No. 46073-TN-003^{NTM}
EPA Est. No. 072344-MO-004^{TRR}
(Superscript is first three letters of batch code on container)

EPA Reg. No. 100-1489

Product of USA

SCP 1489A-L1F 0124

0.5 gallon (2 quarts)

Net Contents
Non-refillable Container

syngenta®

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7.2 Ornamentals in Outdoor Landscapes and Interior Plantscapes
8.0 ADDITIONAL RATE TABLES
8.1 Broadcast Application Dilution Chart
8.2 Soil Application Methods (Injection/Drench)
9.0 STORAGE AND DISPOSAL
10.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

1.0 FIRST AID

FIRST AID
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

When used as directed, this product does not present a hazard to humans or domestic animals.

2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.

2.2.1 USER SAFETY REQUIREMENTS

After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment (PPE). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations
Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash thoroughly with soap and water after handling.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

2.3 Environmental Hazards

This pesticide is toxic to aquatic invertebrates, oysters and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.

2.3.1 SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

2.3.2 GROUNDWATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Read all label directions before use. All applications must be made according to the use directions that follow or exemptions under FIFRA (Supplemental Labels, Special Local Need Registration, FIFRA Section 18 exemptions).

For any requirements specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

Notify state and/or federal authorities and Syngenta immediately if you observe any adverse effects due to use of this product.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT CONTROL, AND/OR ILLEGAL RESIDUES.

Acelepryn can be applied to use sites that are within the scope of the Worker Protection Standard for agricultural practice, 40 CFR Part 170 (see **Section 6.0, Commercial Ornamental Plant Nurseries, Greenhouses, and Sod Farms**), and use sites that are outside of its scope (see **Section 7.0, Golf Courses, Lawns and Landscapes, and Interior Plantscapes**). Refer to the following boxes containing additional guidance regarding **Agricultural Use Requirements** and **Non-Agricultural Use Requirements**. Consult the respective sections for site-specific Use Restrictions.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms (sod farms included), forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

Exception: If product is drenched or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. No REI is required following a soil-incorporated or a soil-drench application.

For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, sod farms, forests, nurseries, or greenhouses.

Professional applications to golf courses, residential, industrial and commercial lawns and sports fields are not within the scope of the Worker Protection Standard.

Do not enter or allow others to enter the treated area until sprays have dried.

3.0 PRODUCT INFORMATION

3.1 Use Sites

Acelepryn may be applied to control the insect pests that infest turfgrass and ornamental plants listed on the label. Acelepryn may be applied to the following:

3.1.1 USES SUBJECT TO WORKER PROTECTION STANDARDS (SECTION 6)

- The following crops grown for production: Ornamental plants, vines, shrubs and trees; ornamental bulb, corm and tuber crops; conifers (including conifer nurseries) and Christmas trees; and non-bearing fruit and nut trees commercially produced in indoor nurseries; greenhouses; outdoor nurseries (both field-grown and containerized plants); shade houses, lath houses, and hoop houses; and retail nurseries.
- Turfgrass grown on commercial sod farms.

3.1.2 USES NOT SUBJECT TO WORKER PROTECTION STANDARDS (SECTION 7)

- Outdoor landscape ornamentals and interior plantscapes in or around residential, commercial, recreational and institutional properties.
- For use on plants and turfgrasses intended for aesthetic or recreational purposes or climatic modification in or around home lawns, residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, wildlife plantings, parks, playgrounds, schools, day-care facilities, golf courses, athletic fields, and other landscaped areas. Not for use on plants or turfgrass being grown for sale or other commercial use; commercial seed production; or for research purposes.

3.2 Plant Safety

Certain plant species or cultivars may be sensitive to the final spray solution. If local experience is not available, treat a small number of plants and observe for phytotoxicity for at least one week before treating the entire planting to ensure plant safety.

3.3 Integrated Pest Management (IPM)

Acelepryn is recommended for IPM programs as it does not directly impact natural arthropod predator and parasitoid populations, including ladybird beetles, lacewings, minute pirate bugs and predatory mites. The feeding behavior of predatory beneficial arthropods will aid in extending natural control of other insect and mite pests and will reduce the possibility of secondary pest outbreaks. If Acelepryn is tank-mixed with an insect control product that negatively impacts beneficial arthropods, the full benefit of Acelepryn to the IPM program may not be realized.

3.4 Resistance Management

CHLORANTRANILIPROLE	GROUP	28	INSECTICIDE

For resistance management, Acelepryn contains a Group 28 insecticide. Any insect population may contain individuals naturally resistant to Acelepryn and other Group 28 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of Acelepryn or other Group 28 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classifications are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological, and other chemical control practices.

- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Syngenta at 1-866-SYNGENT(A) (866-796-4368).

Syngenta encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

4.0 USE RESTRICTIONS

- **DO NOT** use for commercial grass seed production.
- **DO NOT** formulate this product into other end-use products without written permission from Syngenta Crop Protection, LLC.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply this product with aerial application equipment.
- **DO NOT** apply more than 38.3 fluid ounces (equivalent to 0.5 lb of active ingredient) of Acelepryn per acre per year to plants produced or grown outdoors.
- **DO NOT** apply more than 38.3 fluid ounces (equivalent to 0.5 lb of active ingredient) of Acelepryn per acre per crop to plants produced or grown indoors and outdoors in containers.
- **DO NOT** let people and pets enter the treated area until treatment has dried.
- Not for Sale, Sale Into, Distribution and/or Use in Nassau, Suffolk, Kings, Queens Counties of New York State unless permitted under FIFRA Section 24(c) Special Local Need Registration.

The following restrictions are required to permit use of Acelepryn in the State of New York:

- **Golf course greens and tee boxes: DO NOT** apply this product within 25 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- **Golf course fairways: DO NOT** apply this product within 50 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- **Other Use Sites: DO NOT** apply this product within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

5.0 APPLICATION DIRECTIONS

5.1 Methods of Application

Apply Acelepryn to foliage or to the soil by ground equipment only.

Foliar applications offer locally systemic activity against listed insect pests and can be made with ground application equipment: boom sprayers, and hand-wand and hand-gun sprayers.

Soil applications can be made by soil injection, soil and container drenches, and broadcast, banded and directed sprays using boom sprayers, and hand-wand and hand-gun sprayers. Acelepryn is a systemic product that is translocated upward into the plant from root uptake when applied to the soil. To be effective, apply Acelepryn where the root system of the target plant can readily absorb the active ingredient.

5.2 Application Equipment

5.2.1 CLEANING OF APPLICATION EQUIPMENT

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that can become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. **DO NOT** clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

5.2.2 CALIBRATION OF APPLICATION EQUIPMENT

Proper maintenance and calibration of spraying equipment are essential for optimal insect pest control. If you have questions about calibration, contact a State Extension Service specialist, the equipment manufacturer or other experts.

5.3 Application Volume and Spray Coverage

Acelepryn must be diluted with water before application. Apply in a volume of water that provides good coverage of the foliage or soil, but does not result in run-off or leaching, as specified in the Directions for Use in **Sections 6.0 and 7.0**.

5.4 Mixing Directions

5.4.1 ACELEPRYN ALONE

1. Fill sprayer tank 1/4 to 1/2 full of water.
2. Always shake container well before use.
3. Add the required amount of Acelepryn directly to the sprayer tank.
4. Mix thoroughly to fully disperse and continue agitation to keep the insecticide in suspension. Use mechanical or hydraulic agitation. Do not use air agitation.
5. It is recommended that the mixture is not stored in the spray or mix tank overnight.

5.4.2 TANK-MIX PRECAUTIONS

Acelepryn may be tank-mixed with other pesticides. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

5.4.3 TANK-MIX COMPATIBILITY

The physical compatibility of Acelepryn will vary with different sources of pesticide products and local cultural practices. To ensure the physical compatibility of the mixture, prepare a mix on a small scale (such as a pint or quart jar) using the proper proportions of pesticides and water.

5.4.4 ACELEPRYN IN TANK MIXTURES

Always shake each product container well before use. Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water-soluble bags
2. Water-dispersible granules
3. Wettable powders
4. Acelepryn and other water-based suspension concentrates
5. Water-soluble concentrates
6. Emulsifiable concentrates
7. Adjuvants, surfactants, oils
8. Soluble fertilizers
9. Drift retardants

5.4.5 SPRAY ADDITIVES

When an adjuvant is to be used with this product, the use of an adjuvant that meets the standards of the Council of Producers and Distributors of Agrotechnology (CPDA) adjuvant certification is recommended.

When making foliar applications to hard-to-wet foliage such as holly, pine, or ivy, the addition of a spreader/sticker is recommended.

6.0 COMMERCIAL ORNAMENTAL PLANT NURSERIES, GREENHOUSES AND SOD FARMS

Apply Acelepryn to control insect pests on: ornamental plants grown in commercial ornamental nurseries and greenhouses; and on turfgrass produced on sod farms.

Consult your local Syngenta representative, Cooperative Extension Service specialist, or pest control advisor for regionally specific information regarding application timing.

6.1 Commercial Nurseries and Greenhouses

- Apply Acelepryn as a foliar, bark or soil treatment. See **Section 5** for methods of application and **Tables 6.1.1 to 6.1.5** for specific Directions for Use.
- For maximum residual control, apply at highest listed application rate.
- Apply in a volume of water sufficient to uniformly cover the area being treated (a minimum of 1 gallon per 1,000 square feet).
- For soil applications, apply in a volume of water sufficient to reach the root zone where soil pests are feeding and for systemic uptake (apply Acelepryn to moist soil to achieve even distribution throughout the soil profile).
- Use properly calibrated application equipment that will produce a uniform, coarse droplet spray, using a low pressure setting to eliminate off-target drift.
- Refer to the **AGRICULTURAL USE REQUIREMENTS** box for compliance with the Worker Protection standard.

6.1.1 FOLIAR APPLICATIONS

Ornamentals commercially produced in indoor nurseries, outdoor nurseries (both field-grown and containerized plants), greenhouses, shade houses, lath houses, and hoop houses.

Breeding crops Bulb, corm and tuber crops (such as tulips, calla lilies) Evergreens, including conifers Flowering plants Flowers grown for seed production	Foliage plants Ground covers Non-bearing fruit and nut trees[1] Ornamental grasses Ornamental trees Palms	Perennial plants Pot and bedding plants Shrubs Succulents Vines (non-bearing)[1]

Target Pests	Product Dilution	Application Timing	Use Directions
Leaf-feeding caterpillars, such as bagworms and tussock moth caterpillars, including whitemarked tussock moth	2 - 16 fl oz per 100 gallons (0.026 - 0.208 lb ai per 100 gallons)	Apply preventatively or after caterpillars have been observed. Repeat treatment to maintain control using the higher listed application rates as pest pressure and foliage area increases.	Mix Acelepryn with the required amount of water and apply as a full-coverage foliar spray. When applying to hard-to-wet foliage, such as holly, pine, or ivy, the addition of a spreader/sticker is recommended. If concentrate or mist-type spray equipment is used, apply an equivalent amount of product as would be used in a dilute application.

USE RESTRICTIONS

1) **Maximum Single Application Rate:**
   - **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft).
2) **Maximum Annual Application Rate:**
   - For indoor ornamental production and outdoor containerized production, **do not** apply more than 38.3 fl oz of Acelepryn per acre (0.88 fl oz of Acelepryn per 1000 sq ft) per crop or 0.5 lb ai per acre per crop from any chlorantraniliprole-containing products. **Do not** apply to more than 6 crops per year.
   - For outdoor, field-grown production, **do not** apply more than 38.3 fl oz of Acelepryn per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
3) **Do not** apply more than once every 7 days.
4) **Do not** apply aerially.
5) **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

6.1.2 SOIL APPLICATIONS FOR WHITE GRUBS

Ornamentals commercially produced in indoor nurseries, outdoor nurseries (both field-grown and containerized plants), greenhouses, shade houses, lath houses, and hoop houses.

Breeding crops Bulb, corm and tuber crops (such as tulips, calla lilies) Evergreens, including conifers Flowering plants	Flowers grown for seed production Foliage plants Ground covers Non-bearing fruit and nut trees[1] Ornamental grasses Ornamental trees Palms	Perennial plants Pot and bedding plants Shrubs Succulents Vines (non-bearing)[1]

Target Pests	Product Use Rate	Application Timing	Use Directions
White grubs, including Asiatic garden beetle, European chafer, green June beetle, Japanese beetle, May/June beetles (*Phyllophaga* spp.), northern masked chafer, oriental beetle and southern masked chafer	0.18 – 0.37 fl oz per 1000 sq ft 8 – 16 fl oz per acre (0.104 – 0.208 lb ai per acre)	Apply immediately prior to egg hatch. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods.	Apply using 1-2 pts water or greater per sq ft of soil surface. Irrigate immediately after application or allow rainfall to move the product into the soil.

6.1.2 SOIL APPLICATIONS FOR WHITE GRUBS *(continued)*

USE RESTRICTIONS

1) **Maximum Single Application Rate:**
   - **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft).
2) **Maximum Annual Application Rate:**
   - **Do not** apply more than 38.3 fl oz of Acelepryn per acre (0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
3) **Do not** apply more than once every 7 days.
4) **Do not** apply aerially.
5) **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

6.1.3 SYSTEMIC SOIL TREATMENTS

Ornamentals commercially produced in indoor nurseries, outdoor nurseries (both field-grown and containerized plants), greenhouses, shade houses, lath houses, and hoop houses.

Evergreens, including conifers Foliage plants	Non-bearing fruit and nut trees[1] Ornamental trees	Palms Shrubs

Target Pests	Product Use Rate[2]	Application Timing	Use Directions
Lace bugs Aphids, including apple aphid	0.0625 - 0.25 fl oz (0.00082 to 0.0033 lb ai) per inch DBH of tree or per foot of height of shrub	When making soil applications to plants with woody stems, systemic activity will be delayed until the active ingredient is translocated throughout the plant. This delay could be 60 days or longer. Applications should be made prior to pest infestation to achieve best control.	Application can be made by soil injection, soil drenches, and broadcast sprays. Apply Acelepryn within 1-3 feet of the root flare of trees and shrubs. Apply product in sufficient water volume to reach the root zone for optimal systemic uptake. Refer to **Section 8.2** for additional information on soil injection and soil drench applications.
Birch leafminer	0.25 fl oz (0.0033 lb ai) per inch DBH of tree or per foot of height of shrub		

USE RESTRICTIONS

1) **Maximum Single Application Rate:**
   - **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft).
2) **Maximum Annual Application Rate:**
   - For indoor production and outdoor containerized production, **do not** apply more than 38.3 fl oz of Acelepryn per acre (0.88 fl oz per 1000 sq ft) per crop or 0.5 lb ai per acre per crop from any chlorantraniliprole-containing products. **Do not** apply to more than 6 crops per year.
   - For outdoor, field-grown production, **do not** apply more than 38.3 fl oz of Acelepryn per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
3) **Do not** apply more than once every 7 days.
4) **Do not** apply aerially.
5) **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

[2]Amount of Acelepryn per inch of diameter at breast height (DBH) for trees or per foot of height for shrubs. See restrictions regarding the number of trees or shrubs that can be treated per acre in the following tables.

Maximum number of trees that can be treated per acre at the listed rates.

Amount of Acelepryn to be applied per inch DBH[1]	Diameter at breast height (DBH) of tree[1]					
	1 inch	2 inches	3 inches	4 inches	5 inches	6 inches
0.0625 fl oz	256	128	85	64	51	42
0.25 fl oz	64	32	21	16	12	10

[1]For trees with a DBH greater than 6 inches, **do not** apply more than 1.5 fl oz per plant. Dilute the required amount of Acelepryn in a volume of water that ensures coverage (see **Section 5.0** for additional application instructions).

Maximum number of shrubs that can be treated per acre at the listed rates.						
Amount of Acelepryn to be applied per foot height of shrub[1]	Height of shrub[1]					
	1 foot	2 feet	3 feet	4 feet	5 feet	6 feet
0.0625 fl oz	256	128	85	64	51	42
0.25 fl oz	64	32	21	16	12	10

[1]For shrubs with a height greater than 6 feet, **do not** apply more than 1.5 fl oz per plant. Dilute the required amount of Acelepryn in a volume of water that ensures coverage (see **Section 5.0** for additional application instructions).

6.1.4 BARK APPLICATIONS

Ornamentals commercially produced in indoor nurseries, outdoor nurseries (both field-grown and containerized plants), greenhouses, shade houses, lath houses, and hoop houses.

Evergreens, including conifers
Foliage plants
Non-bearing fruit and nut trees[1]
Ornamental trees
Palms
Shrubs

Target Pests	Product Dilution	Application Timing	Application Information
Clearwing moth borer larvae, including peachtree borer	4 fl oz - 32 fl oz per 100 gallons (0.052 - 0.416 lb ai per 100 gallons)	Make applications after the emergence of adult moths and before their eggs hatch. Adult emergence varies according to pest species, host tree, environmental conditions and geographic location. Consult local Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.	Apply Acelepryn to the trunks and lower branches of trees and shrubs to control clearwing moth borer larvae. Thorough surface spray coverage of the bark is required for control. Apply until bark is soaked thoroughly, but not to the point of runoff.

USE RESTRICTIONS

1) **Maximum Single Application Rate:**
   - **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft).
2) **Maximum Annual Application Rate:**
   - **Do not** apply more than 38.3 fl oz of Acelepryn per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
3) **Do not** apply more than once every 7 days.
4) **Do not** apply aerially.
5) **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

6.1.5 CONTAINER DRENCH APPLICATIONS

Ornamentals commercially produced in indoor nurseries, outdoor nurseries (both field-grown and containerized plants), greenhouses, shade houses, lath houses, and hoop houses.

Evergreens, including conifers
Foliage plants
Non-bearing fruit and nut trees[1]
Ornamental trees
Palms
Shrubs

Target Pests	Product Dilution	Application Timing	Application Information
White grubs, including Asiatic garden beetle European chafer Green June beetle Japanese beetle May/June beetles (*Phyllophaga* spp.) Northern masked chafer Oriental beetle Southern masked chafer	8 – 16 fl oz per 100 gallons (0.104 - 0.208 lb ai per 100 gallons)	For best control, apply immediately prior to egg hatch. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods.	Mix required dose in water and uniformly apply the drench solution to the container surface. Apply the solution to wet the entire container without leaching.

6.1.5 CONTAINER DRENCH APPLICATIONS *(continued)*

Target Pests	Product Dilution	Application Timing	Application Information
Lace bugs Aphids, including apple aphid	8 – 32 fl oz per 100 gallons (0.104 - 0.416 lb ai per 100 gallons)	To control above-ground pests, especially those with woody stems, systemic activity will be delayed until the active ingredient is translocated throughout the plant. This delay could be 60 days or longer. Applications should be made prior to anticipated pest infestation to achieve best control.	Apply the drench solution uniformly to the soil to wet the entire container without leaching.

USE RESTRICTIONS

1) **Maximum Single Application Rate:**
   - **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft).
2) **Maximum Annual Application Rate:**
   - For indoor production, **do not** apply more than 38.3 fl oz of Acelepryn per acre (0.88 fl oz of Acelepryn per 1000 sq ft) per crop or 0.5 lb ai per acre per crop from any chlorantraniliprole-containing products. **Do not** apply to more than 6 crops per year.
   - For outdoor production, **do not** apply more than 38.3 fl oz of Acelepryn per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
3) **Do not** apply more than once every 7 days.
4) **Do not** apply aerially.
5) **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

6.2 Production of Turfgrass Sod on Commercial Sod Farms

- For maximum residual control or heavy pest pressure, apply up to 20 fl oz per acre to control any of the pests listed in **Table 6.2.1**.
- Apply in a volume of water sufficient to uniformly cover the area being treated (a minimum of 1 gallon per 1,000 square feet).
- Use properly calibrated application equipment that will produce a uniform, coarse droplet spray, using a low pressure setting to eliminate off-target drift.
- Refer to **Section 8.1** for the **Broadcast Application Dilution Chart**.
- Refer to the **AGRICULTURAL USE REQUIREMENTS** box for compliance with the Worker Protection standard.

6.2.1 BROADCAST APPLICATIONS

Turfgrass sod produced on commercial sod farms

Target Pests	Product Use Rate	Application Information
Annual bluegrass weevil	12 – 20 fl oz per acre (0.157 – 0.26 lb ai per acre)	Apply when overwintered adult annual bluegrass weevils are observed in late April or early May to prevent damage from first-generation larvae in late May and June. The higher rates listed may be required for applications made after mid-May. An application at this time will also provide white grub control.
Billbugs	8 – 20 fl oz per acre (0.104 – 0.26 lb ai per acre)	Apply when overwintered adult billbugs are first observed. This will usually occur in late April or early May in regions with cool-season turfgrass. The higher rates listed may be required for applications made after early May or when billbug species other than bluegrass billbug are present. An application at this time will also provide white grub control.
European crane fly (larvae)	8 – 16 fl oz per acre (0.104 – 0.208 lb ai per acre)	Apply between September and November. The higher rate listed may be required to achieve control when applications are made in November.

continued…

6.2.1 BROADCAST APPLICATIONS *(continued)*

Turfgrass sod produced on commercial sod farms		
Target Pests	**Product Use Rate**	**Application Information**
Spittlebugs (two-lined)	12 – 20 fl oz per acre (0.157 – 0.26 lb ai per acre)	Apply in spring or summer.
Turf caterpillars, including armyworms, cutworms, and sod webworms	2 – 4 fl oz per acre (0.026 – 0.052 lb ai per acre)	Apply preventatively or after caterpillars have been observed. To ensure best control, delay water (irrigation) or mowing for 24 hours after application. If the area being treated is maintained at a mowing height greater than one inch, the higher rate listed may be required during periods of high pest pressure.
White Grubs, including *Aphodius* spp., Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, May/June beetles (*Phyllophaga* spp.), northern masked chafer, oriental beetle and southern masked chafer	8 – 16 fl oz per acre (0.104 – 0.208 lb ai per acre)	Apply from early April to early September for preventative control. The higher rate listed may be required for early-season (April and May) applications where a long residual is required or in late August or early September when less-sensitive mid-instar grubs are present at the time of application. Irrigate turf immediately after application or allow rainfall to move the product into the soil. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods.
Suppression: Chinch bugs	8 – 20 fl oz per acre (0.104 – 0.26 lb ai per acre)	Apply before eggs hatch.
USE RESTRICTIONS		
1) **Maximum Single Application Rate:** • **Do not** apply more than 20 fl oz of Acelepryn per acre (0.46 fl oz of Acelepryn per 1000 sq ft). 2) **Maximum Annual Application Rate:** • **Do not** apply more than 38.3 fl oz of Acelepryn per acre per calendar year (0.5 lb ai per acre per calendar year of chlorantraniliprole-containing products). 3) **Do not** apply more than once every 7 days. 4) **Do not** apply aerially. 5) **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.		

7.0 GOLF COURSES, LAWNS AND LANDSCAPES, AND INTERIOR PLANTSCAPES

Apply Acelepryn to control listed insect pests of turf and ornamental plants grown in, on or around golf courses, lawns and landscaped areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, athletic fields and interior plantscapes.

7.1 Golf Course, Lawn, and Recreational Area Turf

Apply Acelepryn to control listed insect pests of turf and ornamental plants grown in, on or around golf courses, lawns and landscaped areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas, athletic fields and interior plantscapes.

- For maximum residual control or heavy pest pressure, apply at rates up to 20 fl oz per acre to control any of the pests listed in **Table 7.1.1**.
- Apply as a broadcast spray using a boom sprayer, hand-gun sprayer or similar ground equipment.
- Apply in a volume of water sufficient to uniformly cover the area being treated (a minimum of 2 gallons per 1,000 square feet).
- Use properly calibrated application equipment that will produce a uniform, coarse droplet spray, using a low pressure setting to eliminate off-target drift.
- Refer to **Section 8.1** for the **Broadcast Application Dilution Chart** and **Section 8.2** for soil application directions.

7.1.1 BROADCAST APPLICATIONS

Turfgrass in golf courses, lawns on residential or commercial properties, and other recreational areas		
Target Pests	**Product Use Rate**	**Application Information**
Annual bluegrass weevil	0.28 – 0.46 fl oz per 1000 sq ft 12 – 20 fl oz per acre (0.157 – 0.26 lb ai per acre)	Apply when overwintered adult annual bluegrass weevils are observed in late April or early May to prevent damage from first-generation larvae in late May and June. The higher rates listed may be required for applications made after mid-May. An application at this time will also provide white grub control.
Billbugs	0.18 – 0.46 fl oz per 1000 sq ft 8 – 20 fl oz per acre (0.104 – 0.26 lb ai per acre)	Apply when overwintered adult billbugs are observed in late April or early May in regions with cool-season turfgrass. The higher rates listed may be required for applications made after early May or when billbug species other than bluegrass billbug are present. An application at this time will also provide white grub control.
European crane fly (larvae)	0.18 – 0.37 fl oz per 1000 sq ft 8 – 16 fl oz per acre (0.104 – 0.208 lb ai per acre)	Apply between September and November. The higher rate listed may be required to achieve control when applications are made in November.
Spittlebugs (two-lined)	0.28 – 0.46 fl oz per 1000 sq ft 12 – 20 fl oz per acre (0.157 – 0.26 lb ai per acre)	Apply in spring or summer.
Turf caterpillars, including armyworms, cutworms, and sod webworms	0.05 – 0.09 fl oz per 1000 sq ft 2 – 4 fl oz per acre (0.026 – 0.052 lb ai per acre)	Apply preventatively or after caterpillars have been observed. To ensure best control, delay water (irrigation) or mowing for 24 hours after application. If the area being treated is maintained at a mowing height greater than one inch, the higher rate listed may be required during periods of high pest pressure.
White Grubs, including *Aphodius* spp., Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, May/June beetles (*Phyllophaga* spp.), northern masked chafer, oriental beetle and southern masked chafer	0.18 – 0.37 fl oz per 1000 sq ft 8 – 16 fl oz per acre (0.104 – 0.208 lb ai per acre)	Apply from early April to early September for preventative control. The higher rate listed may be required for early-season (April and May) applications where a long residual is required or in late August or early September when less-sensitive mid-instar grubs are present at the time of application. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods. Irrigate turf immediately after application or allow rainfall to move the product into the soil.
Suppression: Chinch bugs	0.18 – 0.46 fl oz per 1000 sq ft 8 – 20 fl oz per acre (0.104 – 0.26 lb ai per acre)	Apply before eggs hatch.
USE RESTRICTIONS		
1) **Maximum Single Application Rate:** • **Do not** apply more than 20 fl oz of Acelepryn per acre (0.46 fl oz of Acelepryn per 1000 sq ft). 2) **Maximum Annual Application Rate:** • **Do not** apply more than 38.3 fl oz of Acelepryn per acre per calendar year (0.5 lb ai per acre per calendar year of chlorantraniliprole-containing products). 3) **Do not** apply more than once every 7 days. 4) **Do not** enter or allow others to enter treated areas until sprays have dried.		

7.2 Ornamentals in Outdoor Landscapes and Interior Plantscapes

- Apply Acelepryn as a foliar, bark or soil treatment to control listed insect pests. See **Table 7.2.1 to 7.2.5** for specific Directions for Use.
- For maximum residual control, apply at highest listed rate.
- Apply in a volume of water sufficient to cover the area being treated (a minimum of 1 gallon per 1,000 square feet).
- Use properly calibrated application equipment that will produce a uniform, coarse droplet spray, using a low pressure setting to eliminate off-target drift.

7.2.1 FOLIAR APPLICATIONS

Ornamentals in outdoor landscapes and interior plantscapes

Bulb, corm and tuber crops (such as tulips, calla lilies)	Foliage plants Ground covers Non-bearing fruit and nut trees[1] Ornamental grasses Ornamental trees	Palms Perennial plants Shrubs Succulents Vines (non-bearing)[1]
Evergreens, including conifers		
Flowering plants		

Target Pests	Product Dilution	Application Timing	Application Information
Leaf-feeding caterpillars, such as bagworms and tussock moth caterpillars, including whitemarked tussock moth	2 - 16 fl oz per 100 gallons (0.026 - 0.208 lb ai per 100 gallons)	Apply preventatively or after caterpillars have been observed. Repeat treatment to maintain control using the higher listed application rates as pest pressure and foliage area increases.	Apply in a minimum spray volume of 1 gallon 1000 sq ft as a full coverage foliar spray to control the target pests. If concentrate or mist-type spray equipment is used, apply an equivalent amount of product on the treated area as would be used in a dilute application. For hard-to-wet foliage such as holly, pine, or ivy, the addition of a spreader/sticker is recommended.

USE RESTRICTIONS

1) **Maximum Single Application Rate:**
   - **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft).
2) **Maximum Annual Application Rate:**
   - **Do not** apply more than 38.3 fl oz of Acelepryn per acre per calendar year (0.5 lb ai per acre per calendar year of any chlorantraniliprole-containing products).
3) **Do not** apply more than once every 7 days.
4) **Do not** enter or allow others to enter the treated area until sprays have dried.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

7.2.2 SOIL APPLICATIONS FOR WHITE GRUBS

Ornamentals in outdoor landscapes and interior plantscapes

Bulb, corm and tuber crops (such as tulips, calla lilies)	Foliage plants Ground covers Non-bearing fruit and nut trees[1] Ornamental grasses Ornamental trees	Palms Perennial plants Shrubs Succulents Vines (non-bearing)[1]
Evergreens, including conifers		
Flowering plants		

Target Pests	Product Use Rate	Application Timing	Application Information
White grubs, including Asiatic garden beetle, European chafer, green June beetle, Japanese beetle, May/June beetles (*Phyllophaga* spp.), northern masked chafer, oriental beetle and southern masked chafer	0.18 – 0.37 fl oz per 1000 sq ft 8 – 16 fl oz per acre (0.104 – 0.208 lb ai per acre)	For best control, apply immediately prior to egg hatch. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods.	Apply in sufficient water to uniformly cover the area being treated as a broadcast or banded treatment (a minimum of 2 gal per 1,000 sq ft). Irrigate immediately after application or allow rainfall to move the product into the soil.

USE RESTRICTIONS

1) **Maximum Single Application Rate:**
   - **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft).
2) **Maximum Annual Application Rate:**
   - **Do not** apply more than 38.3 fl oz of Acelepryn per acre per calendar year (0.5 lb ai per acre per calendar year of chlorantraniliprole-containing products).
3) **Do not** apply more than once every 7 days.
4) **Do not** enter or allow others to enter the treated area until sprays have dried.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

7.2.3 SYSTEMIC SOIL TREATMENTS

Ornamentals in outdoor landscapes and interior plantscapes

Evergreens, including conifers	Non-bearing fruit and nut trees[1] Ornamental trees	Palms Shrubs

Target Pests	Product Use Rate[2]	Application Timing	Use Directions
Lace bugs Aphids, including apple aphid	0.0625 - 0.25 fl oz (0.00082 to 0.0033 lb ai) per DBH of tree or foot of height of shrub	When making soil applications to plants with woody stems, systemic activity will be delayed until the active ingredient is translocated throughout the plant. This delay could be 60 days or longer. Make applications prior to pest infestation to achieve best control.	Application can be made by soil injection, soil drenches, and broadcast sprays. To be effective, Acelepryn must be placed within 1-3 feet of the root flare of trees and shrubs with sufficient solution volume to reach the root zone for optimal systemic uptake.
Birch leafminer	0.25 fl oz (0.0033 lb ai) per DBH of tree or foot of height of shrub		

USE RESTRICTIONS

1) **Maximum Single Application Rate:**
   - **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft).
2) **Maximum Annual Application Rate:**
   - **Do not** apply more than 38.3 fl oz of Acelepryn per acre per calendar year (0.5 lb ai per acre per calendar year of chlorantraniliprole-containing products).
3) **Do not** apply more than once every 7 days.
4) **Do not** enter or allow others to enter the treated area until sprays have dried.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.
[2]Amount of Acelepryn per inch of diameter at breast height (DBH) for trees or per foot of height for shrubs

Maximum number of trees that can be treated per acre at the listed rates.

Amount of Acelepryn to be applied per inch DBH[1]	Diameter at breast height (DBH) of tree[1]					
	1 inch	2 inches	3 inches	4 inches	5 inches	6 inches
0.0625 fl oz	256	128	85	64	51	42
0.25 fl oz	64	32	21	16	12	10

[1]For trees with a DBH greater than 6 inches, **do not** apply more than 1.5 fl oz of Acelepryn per plant. Dilute the required amount of Acelepryn in a volume of water that ensures adequate coverage (see **Section 5.0** for additional application instructions).

Maximum number of shrubs that can be treated per acre at the listed rates.

Amount of Acelepryn to be applied per foot height of shrub[1]	Height of shrub[1]					
	1 foot	2 feet	3 feet	4 feet	5 feet	6 feet
0.0625 fl oz	256	128	85	64	51	42
0.25 fl oz	64	32	21	16	12	10

[1]For shrubs with a height greater than 6 feet, **do not** apply more than 1.5 fl oz of Acelepryn per plant. Dilute the required amount of Acelepryn in a volume of water that ensures coverage (see **Section 5.0** for additional application instructions).

7.2.4 BARK APPLICATIONS

Ornamentals in outdoor landscapes and interior plantscapes

Evergreens, including conifers	Non-bearing fruit and nut trees[1] Ornamental trees	Palms Shrubs

Target Pests	Product Dilution	Application Timing	Application Information
Clearwing moth borer larvae, including peachtree borer	4 fl oz - 32 fl oz per 100 gallons (0.052 - 0.416 lb ai per 100 gallons)	Make applications after the emergence of adult moths and before their eggs hatch. Consult local Cooperative Extension Service specialist or pest control advisor for information regarding application timing in your area.	Apply Acelepryn to the trunks and lower branches of trees and shrubs to control clearwing moth borer larvae. Thorough surface spray coverage of the bark is required for control. Apply until bark is soaked thoroughly, but not to the point of runoff.

continued…

7.2.4 BARK APPLICATIONS *(continued)*

USE RESTRICTIONS
1) **Maximum Single Application Rate:** • **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft). 2) **Maximum Annual Application Rate:** • **Do not** apply more than 38.3 fl oz of Acelepryn per acre per calendar year (0.5 lb ai per acre per calendar year of chlorantraniliprole-containing products). 3) **Do not** apply more than once every 7 days. 4) **Do not** enter or allow others to enter the treated area until sprays have dried.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

7.2.5 CONTAINER DRENCH APPLICATIONS

Ornamentals in outdoor landscapes and interior plantscapes			
Evergreens, including conifers Foliage plants	Non-bearing fruit and nut trees[1] Ornamental trees	Palms Shrubs	
Target Pests	**Product Dilution**	**Application Timing**	**Application Information**
White grubs, including Asiatic garden beetle, European chafer, Green June beetle, Japanese beetle, May/June beetles (*Phyllophaga* spp.), Northern masked chafer, Oriental beetle, Southern masked chafer	8 – 16 fl oz per 100 gallons (0.104 - 0.208 lb ai per 100 gallons)	For optimal control, apply immediately prior to egg hatch. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods.	Mix required dose in water and uniformly apply the drench solution to the soil surface. Apply a sufficient quantity of solution to drench the entire root zone.
Lace bugs Aphids, including apple aphid	8 – 32 fl oz per 100 gallons (0.104 - 0.416 lb ai per 100 gallons)	When making drench applications to plants, especially those with woody stems, systemic activity will be delayed until the active ingredient is translocated throughout the plant. This delay could be 60 days or longer. Make applications prior to pest infestation to achieve best control.	Mix required dose in water and uniformly apply the drench solution to the soil surface. Apply a sufficient quantity of solution to drench the entire root zone.

USE RESTRICTIONS
1) **Maximum Single Application Rate:** • **Do not** apply more than 16 fl oz of Acelepryn per acre (0.37 fl oz of Acelepryn per 1000 sq ft). 2) **Maximum Annual Application Rate:** • **Do not** apply more than 38.3 fl oz of Acelepryn per acre per calendar year (0.5 lb ai per acre per calendar year of chlorantraniliprole-containing products). 3) **Do not** apply more than once every 7 days. 4) **Do not** enter or allow others to enter the treated area until sprays have dried.

[1]Non-bearing fruit and nut trees and vines are those trees and vines that will not bear edible fruit or nuts for one year after application.

8.0 ADDITIONAL RATE TABLES

8.1 Broadcast Application Dilution Chart

This table provides mixing instructions to produce 1, 5, 10, and 100 gallons of finished (diluted Acelepryn) spray solution on both a per acre and per 1000 sq ft basis. For example, if you want to apply Acelepryn at the 4 fl oz per acre rate in a spray volume of 1 gallon of finished spray per 1000 sq ft, add 0.92 fl oz of Acelepryn to 10 gallons of water and mix thoroughly according to the mixing directions in **Section 5.4** (10 gallons of finished spray will cover 10,000 sq ft).

Note: 1 gallon per 1000 sq ft = 44 gallons per acre.

Application Spray Volume (gallons per 1,000 sq ft)	Product Application Rates			Fluid ounces of Acelepryn diluted to these volumes of finished spray			
	fl oz Acelepryn per acre	fl oz Acelepryn per 1,000 sq ft	lb ai per acre	1 gallon	5 gallons	10 gallons	100 gallons
1	1	0.02	0.013	0.02	0.12	0.23	2.3
	2	0.05	0.026	0.05	0.23	0.46	4.6
	4	0.09	0.052	0.09	0.46	0.92	9.2
	8	0.18	0.104	0.18	0.92	1.84	18.4
	16	0.37	0.208	0.37	1.84	3.67	36.7
	20	0.46	0.260	0.46	2.30	4.60	46.0
2	1	0.02	0.013	0.01	0.06	0.12	1.15
	2	0.05	0.026	0.02	0.12	0.23	2.30
	4	0.09	0.052	0.05	0.23	0.46	4.60
	8	0.18	0.104	0.09	0.46	0.92	9.20
	16	0.37	0.208	0.18	0.92	1.84	18.4
	20	0.46	0.260	0.23	1.15	2.30	23.0

8.1 Broadcast Application Dilution Chart *(continued)*

Application Spray Volume (gallons per 1,000 sq ft)	Product Application Rates			Fluid ounces of Acelepryn diluted to these volumes of finished spray			
	fl oz Acelepryn per acre	fl oz Acelepryn per 1,000 sq ft	lb ai per acre	1 gallon	5 gallons	10 gallons	100 gallons
3	1	0.02	0.013	0.01	0.04	0.08	0.77
	2	0.05	0.026	0.02	0.08	0.15	1.50
	4	0.09	0.052	0.03	0.15	0.30	3.00
	8	0.18	0.104	0.06	0.31	0.60	6.00
	16	0.37	0.208	0.12	0.62	1.23	12.3
	20	0.46	0.260	0.15	0.77	1.53	15.3
4	1	0.02	0.013	0.006	0.03	0.06	0.58
	2	0.05	0.026	0.01	0.06	0.12	1.15
	4	0.09	0.052	0.02	0.12	0.23	2.30
	8	0.18	0.104	0.05	0.23	0.46	4.60
	16	0.37	0.208	0.09	0.46	0.92	9.20
	20	0.46	0.260	0.12	0.58	1.15	11.5
5	1	0.02	0.013	0.005	0.02	0.05	0.46
	2	0.05	0.026	0.009	0.05	0.09	0.92
	4	0.09	0.052	0.018	0.09	0.18	1.84
	8	0.18	0.104	0.037	0.18	0.37	3.70
	16	0.37	0.208	0.074	0.37	0.74	7.40
	20	0.46	0.260	0.092	0.46	0.92	9.20
10	1	0.02	0.013	0.002	0.01	0.02	0.23
	2	0.05	0.026	0.005	0.02	0.05	0.46
	4	0.09	0.052	0.009	0.05	0.09	0.92
	8	0.18	0.104	0.018	0.09	0.18	1.84
	16	0.37	0.208	0.037	0.18	0.37	3.67
	20	0.46	0.260	0.046	0.23	0.46	4.60

- To convert from fluid ounces to milliliters, multiply by 29.57.
- 1 fluid ounce = 29.57 ml = 2 tablespoons = 6 teaspoons
- Do not use household utensils to measure Acelepryn.

8.2 Soil Application Methods (Injection/Drench)

The calculations for soil injection/drench applications of Acelepryn to trees and shrubs involve the following steps:

Step 1: Calibrate the application equipment to determine the specified flow rate in gallons per minute.

Step 2: Select an injection/drench volume per inch of tree diameter at breast height (DBH) or foot of shrub height.

Step 3: Refer to **Table 8.2.1** to determine the amount of time that is required to deliver the specified volume per injection/drench site (see sections 6.1.3 or 7.2.3).

Step 4: Determine how much solution to mix.

Step 5: Refer to **Table 8.2.2** to determine the amount of Acelepryn that must be mixed in the desired volume of water based on the injection/drench volume identified above.

8.2.1 CALIBRATION CHART FOR SOIL APPLICATION (INJECTION/DRENCH)

Volume per Tree or Shrub	Flow Rate (Gallons per minute) and Time to Apply (Seconds)					
	0.5 gallon	0.75 gallon	1 gallon	1.5 gallons	2 gallons	3 gallons
1 pint	15.0 sec	10.0 sec	7.5 sec	5.0 sec	3.75 sec	2.5 sec
1 quart	30.0 sec	20.0 sec	15.0 sec	10.0 sec	7.5 sec	5.0 sec
2 quarts	1.0 min	40.0 sec	30.0 sec	20.0 sec	15.0 sec	10.0 sec
1 gallon	2.0 min	1 min 20 sec	1.0 min	40.0 sec	30.0 sec	20.0 sec

- To convert from fluid ounces to milliliters, multiply by 29.57.
- 1 fluid ounce = 29.57 ml = 2 tablespoons = 6 teaspoons
- Do not use household utensils to measure Acelepryn.

8.2.2 MIXING CHART FOR SOIL APPLICATION (INJECTION/DRENCH)

Volume per Tree or Shrub	Application Rate* (fl oz)	fl oz Product per 100 Gallons	fl oz Product per 50 Gallons	fl oz Product per 25 Gallons	fl oz Product per 10 Gallons	fl oz Product per 1 Gallon
1 pint	0.0625	50	25	12.5	5	0.5
	0.25	200	100	50	20	2
1 quart	0.0625	25	12.5	6.25	2.5	0.25
	0.25	100	50	25	10	1
2 quarts	0.0625	12.5	6.25	3.125	1.25	0.125
	0.25	50	25	12.5	5	0.5
1 gallon	0.0625	6.25	3.125	1.56	0.625	0.0625
	0.25	25	12.5	6.25	2.5	0.25

*Amount of Acelepryn per inch of diameter at breast height (DBH) for trees or per foot of height for shrubs

- To convert from fluid ounces to milliliters, multiply by 29.57.
- 1 fluid ounce = 29.57 ml = 2 tablespoons = 6 teaspoons
- Do not use household utensils to measure Acelepryn.

9.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Do not subject to temperatures below 32 degrees F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

Pesticide Disposal

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling (less than or equal to 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)

Refillable container. Refill this container with chlorantraniliprole only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

10.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

Acelepryn®, the ALLIANCE FRAME,
the SYNGENTA Logo and the PURPOSE ICON
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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-866-796-4368.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1489A-L1F 0124

TETRANILIPROLE | GROUP 28 | INSECTICIDE

TETRINO®

envu™

For control of listed foliar and soil inhabiting insects including white grubs, caterpillars, annual bluegrass weevil and other listed pests which infest turfgrass in and around Residential, Commercial, and Institutional Buildings and on Golf Courses and Sports Fields

ACTIVE INGREDIENT: Tetraniliprole*: 1-(3-Chloro-2-pyridinyl)-N-(4-cyano-2-methyl-6-((methylamino)carbonyl) phenyl)-3-((5-(trifluoromethyl)-2H-tetrazol-2-yl)methyl)-1H-pyrazole-5 carboxamide.....4.07%

OTHER INGREDIENTS:.....95.93%

TOTAL:.....100.00%

SHAKE WELL BEFORE USING

Tetrino is a suspension concentrate.

This product contains 0.357 pounds of active ingredient per gallon.

*Tetraniliprole belongs to the anthranilic diamide chemical class.

EPA Reg. No. 101563-196 **EPA Est. No.**

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, DO NOT use this product until the label has been fully explained to you.)

86797658

86723859B 221216AV1

Net Contents:

1 Gallon

See Panel for First Aid Instructions and Leaflet for Complete Precautionary Statements and Directions for Use.





Cutworms • White Grubs

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours a Day 1-800-424-9300 For PRODUCT USE Information Call 1-800-331-2867

FIRST AID	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. • **DO NOT** give anything by mouth to an unconscious person.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
In case of emergency call toll free the Environmental Science U.S., LLC Emergency Response Telephone No. 1-800-424-9300. Have a product container or label with you when calling a poison control center, doctor, or going for treatment.	
NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other Handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made out of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Viton® ≥ 14 mils
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

User Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. **DO NOT** make applications when weather conditions favor drift from treated areas. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of Tetrino from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

Pollinator Protection

This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For non-agricultural use only.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

USE RESTRICTIONS

- **DO NOT** formulate this product into other end-use products.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply by aerial application
- **DO NOT** apply this product if turfgrass is waterlogged or soil is saturated with water.
- **DO NOT** apply more than 0.178 lbs. a.i./A per calendar year of any tetraniliprole-containing product regardless of application method.
- A downwind 10-foot on-field buffer must be used if blooming vegetation is present 10 feet out from the downwind edge of the field being treated with Tetrino.
- **DO NOT** apply by ground within 25 feet of water bodies, such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.
- **DO NOT** cultivate within 25 feet of the aquatic areas to allow growth of a vegetative filter strip.
- **DO NOT** enter treated areas until sprays have dried.
- **DO NOT** allow this product to contact plants in bloom. Actively manage flowering weeds for 10 days following application using standard cultural practices such as mowing and/or herbicide treatment.
- Not for sale, distribution, or use in Nassau and Suffolk counties, New York
- Not for use on sod farms

PRODUCT INFORMATION

Tetrino® is a suspension concentrate that may be applied for the control of white grubs, caterpillars, annual bluegrass weevil, billbugs, chinch bugs, and other listed pests infesting turfgrass in and around residential, commercial, and institutional buildings and on golf courses and sports fields.

APPLICATION METHOD AND EQUIPMENT FOR USE ON TURF

Apply Tetrino through spray application. Dilute in water (See Table 2) to provide adequate distribution in the treated area. The use of accurately calibrated equipment normally used for the application of turf insecticides is required. Use equipment which will produce a uniform, coarse droplet spray, using a low pressure setting to eliminate off target drift. Check calibration periodically to ensure that equipment is working properly.

INTEGRATED PEST MANAGEMENT (IPM) PROGRAMS

Tetrino is recommended for IPM programs on turf. Tetrino does not flare outbreaks of secondary insect pests. The feeding behavior of predatory beneficial arthropods will aid in extending natural control of other insect and mite pests and will reduce the possibility of secondary pest outbreaks. Tetrino will reduce the target pest species that may serve as a food source for beneficial arthropods. Careful consideration should be taken when Tetrino is tank-mixed with other turf protection products.

INSECTICIDE RESISTANCE MANAGEMENT

For resistance management, Tetrino contains a Group 28 insecticide. Any insect population may contain individuals naturally resistant to Tetrino and other Group 28 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of Tetrino or other Group 28 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
- Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
- Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM

recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Environmental Science U.S., LLC representatives at 1-800-331-2867

MIXING DIRECTIONS

Compatibility

Tetrino is physically and biologically compatible with many registered pesticides and fertilizers or micronutrients. However, it is known that many components, including pesticides, fertilizers, micronutrients, and spray adjuvants, may be present in a tank mix combination. There is potential for adverse chemical reactions. It is impossible to determine physical, biological, and plant compatibility for all scenarios that may be encountered; therefore, it is recommended that users determine the chemical, physical, biological and plant compatibility of such mixes prior to application on a broad commercial scale.

Tank Mixtures

Tetrino may be used with other pesticides, fertilizers, and micronutrients. It is the pesticide user's responsibility to ensure that all products are registered for use on turf. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements and use limitations of each product in the tank mixture. The proper mixing procedure for Tetrino alone or in tank mix combinations with other pesticides is:

1. Fill the spray tank 1/4 to 1/3 full with clean water.
2. While recirculating and with the agitator running, follow best management practices for adding Tetrino and tank-mix partners.
3. Allow enough time for thorough mixing of each product added to tank.
4. If applicable, add any remaining tank mix components.
5. Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

MANDATORY SPRAY DRIFT REQUIREMENTS

For all foliar applications:

- Use medium or coarser spray nozzles.
- A boom height of ≤ 4 feet is specified for ground applications.
- Applications are prohibited when the wind speed exceeds 10 miles per hour.
- **DO NOT** apply by ground within 25 feet of waterbodies, such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.
- A downwind 10-foot on-field buffer must be used if blooming vegetation is present 10 feet out from the downwind edge of the field being treated with Tetrino.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.

• Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
• Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT - Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

TURF USE DIRECTIONS

Tetrino can be used for the control of listed soil inhabiting pests of turfgrass, such as white grubs (including oriental beetle, *Anomala orientalis*; *Aphodius* spp.; black turfgrass ataenius, *Ataenius spretulus*; green June beetle, *Cotinis nitida*; northern masked chafer, *Cyclocephala borealis*; southern masked chafer, *Cyclocephala immaculata*; Japanese beetle, *Popillia japonica*; May/June beetles, *Phyllophaga* spp.; European chafer, *Amphimallon majale*; and sugarcane beetle, *Euetheola rugiceps*) and foliar pests such as turf caterpillars (including armyworms, *Spodoptera* spp.; cutworms, *Agrotis* spp.; and sod webworms), Billbugs, *Spherophorus* spp.; Annual bluegrass weevil, *Listronotus maculicollis*; chinch bugs, *Blissus* spp.

Tetrino can also be used for suppression of Asiatic garden beetle, *Maladera castanea*. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods.

The active ingredient in Tetrino provides high levels of control when applications are made preceding or during the egg laying period. When targeting soil dwelling pests, use sufficient irrigation (1/4-1/2 inch of water) or equivalent rainfall, within 24 hours after the application, to move the active ingredient through the thatch. The treated turf must be in a condition such that rainfall or irrigation will penetrate vertically in the soil profile. **DO NOT** apply when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. **DO NOT** cultivate within 25 feet of aquatic areas to allow growth of a vegetative filter strip. Employ best management practices for minimizing runoff.

Table 1: TURF APPLICATION RATES

PEST	APPLICATION RATE (FLUID OUNCES PRODUCT/1,000 SQ. FT.)	APPLICATION RATE (FLUID OUNCES PRODUCT/ACRE)	NUMBER OF APPLICATIONS AT MAXIMUM RATE PER CALENDAR YEAR	APPLICATION INTERVAL (WEEKS)	USE DIRECTIONS
White Grubs *Aphodius* spp., Asiatic garden beetle (suppression), black turf-grass ataenius, European chafer, green June beetle, Japanese beetle, May/ June beetles northern masked chafer, oriental beetle, southern masked chafer, and sugarcane beetle	0.367 - 0.735	16 - 32	2	6-8	Treat from peak adult flight through egg hatch
Caterpillars Armyworm, cutworms, and sod webworms	0.367 - 0.735	16 - 32	2	4	Apply when pest presence first observed or anticipated
Billbugs	0.367 - 0.735	16 - 32	2	4	Apply when over-wintering adults are first observed
Annual bluegrass weevil	0.367 - 0.735	16 - 32	2	4	Apply when early instar larvae infest turf
Chinch bugs	0.367 - 0.735	16 - 32	2	4	Apply when chinch bugs first observed

- Under high pest pressure, use the higher labeled rate
- See Table 2 for required water dilution rates.

RESTRICTION:

***DO NOT** apply more than a total of 64 fluid ounces (equivalent to 0.178 lbs. active ingredient) of Tetrino per acre per calendar year.

***DO NOT** apply more than 0.178 lbs. a.i./A per calendar year of any tetraniliprole-containing product regardless of application method."

*See the Use Restrictions section for additional restrictions.

Table 2: TURF APPLICATION DILUTION CHART

APPLICATION VOLUME (GALLONS OF FINISHED SPRAY PER 1,000 SQ. FT.)	TURF APPLICATION RATES			FLUID OUNCES OF TETRINO DILUTED TO THESE VOLUMES OF FINISHED SPRAY			
	PRODUCT PER ACRE (FLUID OUNCES)	PRODUCT PER 1,000 SQ. FT. (FLUID OUNCES)	LBS A.I./acre	1 GALLON	5 GALLONS	10 GALLONS	100 GALLONS
1	16	0.367	0.0445	0.367	1.835	3.67	36.7
	32	0.735	0.0890	0.735	3.675	7.35	73.5
1.5	16	0.367	0.0445	0.245	1.225	2.45	24.5
	32	0.735	0.0890	0.489	2.445	4.89	48.9
2	16	0.367	0.0445	0.1835	0.9175	1.835	18.35
	32	0.735	0.0890	0.367	1.835	3.67	36.7
2.5	16	0.367	0.0445	0.1468	0.734	1.468	14.68
	32	0.735	0.0890	0.2936	1.468	2.936	29.36
3	16	0.367	0.0445	0.122	0.61	1.22	12.2
	32	0.735	0.0890	0.245	1.225	2.45	24.5

- To convert from fluid ounces to milliliters, multiply by 29.57
- 1 fluid ounce = 29.57 ml
- **DO NOT** use household utensils to measure Tetrino

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.
If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Rigid, Non-refillable plastic containers (equal to or less than 5 gallons)

Non-refillable container. DO NOT reuse or refill this container. Triple rinse promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.
Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

Rigid, Refillable plastic containers (equal to or less than 5 gallons)

Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinse promptly after emptying. Triple rinsing the container before final disposal is the responsibility of the person disposing the container. Cleaning before refilling is the responsibility of the refiller. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Environmental Science U.S., LLC. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Environmental Science U.S., LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ENVIRONMENTAL SCIENCE U.S., LLC'S ELECTION, THE REPLACEMENT OF PRODUCT.

Envu and the Envu logo are trademarks and Tetrino® is a registered trademark owned by Environmental Science U.S., LLC or one of its affiliates.

Viton® is a registered trademark of The Chemours Company FC, LLC.

PRODUCED FOR
Environmental Science U.S., LLC
5000 CentreGreen Way, Suite 400
Cary, NC 27513

TETRANILIPROLE | GROUP 28 | INSECTICIDE

TETRINO®

ACTIVE INGREDIENT: Tetraniliprole*: 1-(3-Chloro-2-pyridinyl)-N-(4-cyano-2-methyl-6-((methylamino)carbonyl) phenyl)-3-((5-(trifluoromethyl)-2H-tetrazol-2-yl)methyl)-1H-pyrazole-5 carboxamide 4.07%
OTHER INGREDIENTS: 95.93%
TOTAL: 100.00%

SHAKE WELL BEFORE USING
Tetrino is a suspension concentrate.
This product contains 0.357 pounds of active ingredient per gallon.
*Tetraniliprole belongs to the anthranilic diamide chemical class.

EPA Reg. No. 101563-196 **EPA Est. No.**

FIRST AID	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. • **DO NOT** give anything by mouth to an unconscious person.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.

In case of emergency call toll free the Environmental Science U.S., LLC Emergency Response Telephone No. 1-800-424-9300. Have a product container or label with you when calling a poison control center, doctor, or going for treatment.

NOTE TO PHYSICIAN: No specific antidote is available. Treat the patient symptomatically.

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86723859B 221216AV1
Net Contents:
1 Gallon

envu™

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Panel for First Aid Instructions and Leaflet for Complete Precautionary Statements and Directions for Use.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other Handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made out of: barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Viton® ≥ 14 mils
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

User Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

PULL HERE TO OPEN

(01)00810112100094 7

Specimen Label

Dow AgroSciences

Dimension® Ultra 40WP

SPECIALTY HERBICIDE

®Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Provides control of listed annual grasses and broadleaf weeds in:

- **Established lawns**
- **Commercial sod farms**
- **Ornamental and sports turf, sport fields, golf course fairways, roughs, tee boxes, unimproved turfgrass areas**
- **Container grown ornamentals**
- **Field-grown ornamentals**
- **Landscape ornamentals**
- **Non-cropland: airports, barrow ditches, cemeteries, communication transmission lines, electrical power and utility rights-of-way, fencerows, gravel pits, hard-surface cracks, industrial sites, military lands, mining and drilling areas, non-irrigation ditch banks, gas and oil pads, parking lots, petroleum tank yards, pipelines, pump stations, railroads, roadsides, dry storm-water or debris retention areas, service roads, solar fields, storage areas or yards, substations, vacant lots and other non-crop residential and commercial areas**
- **Natural areas (open space): restoration sites, campgrounds, parks, prairie management, trails and trailheads, recreation areas, wildlife openings and wildlife habitat and management areas**
- **Christmas tree farms**

In New York State, this product may be used by commercial applicators only, at no more than 1.25 pounds (20 ounces) or 4 water-soluble pouches per acre per year (0.5 lb active ingredient). In Nassau and Suffolk counties of New York, do not exceed 0.625 pounds (10 ounces) or 2 water-soluble pouches of this product per acre per year (0.25 lb of active ingredient).

GROUP	3	HERBICIDE

Active Ingredient	
dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)- S,S-dimethyl ester	40.0%
Other Ingredients	60.0%
Total	100.0%

Each 5 ounce water-soluble pouch contains 0.125 lb of active ingredient.

Precautionary Statements

Hazards to Humans and Domestic Animals

EPA Reg. No. 62719-445

CAUTION

Causes Eye Irritation • Harmful If Absorbed Through The Skin

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Avoid breathing dust. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE):

Applicators and other handlers (other than mixer loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Mixer and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs or aircraft in a manner that meet the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read all Directions for Use carefully before applying.

REFORMULATION OF THIS PRODUCT IS PROHIBITED.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements:

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE)and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

2217-543 (4/2/2014 (1/18

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

James L. Kuntsman, Ph.D.
PBI/Gordon Corporation
1217 W. 12th Street
P.O. Box 014090
Kansas City, Missouri 64101

APR - 2 2014

Subject: Notification; Per PR-Notice 98-10
Trimec Herbicide
EPA Reg. No. 2217-543
Date Submitted: March 3, 2014

Dear Dr. Kuntsman:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated March 3, 2014 for the product referenced above. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Kable Bo Davis at (703) 306-0415 or davis.kable@epa.gov.

Sincerely,

Kathryn Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)

2/18

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval Expires 2-28-95

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☐ **Amendment**
☒ **Other**

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
2217-543	Kathryn V. Montague	☒ None ☐ Restricted
4. Company/Product (Name) **Trimec Herbicide**	PM# Product Manager—Team 23	

5. Name and Address of Applicant *(Include ZIP Code)*
PBI/Gordon Corporation
Post Office Box 014090
Kansas City, Missouri 64101
☐ Check if this is a new address

6. **Expedited Review.** In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section – II

NOTIFICATION
APR - 2 2014

☐ Amendment - Explain below.
☐ Resubmission in response to Agency letter dated _____
☒ Notification - Explain below.
☐ Final printed labels in response to Agency letter dated _____
☐ "Me Too" Application.
Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

NOTIFICATION: Labeling notification per PRN 98-10: Notifications, Non-notifications and Minor Formulation Amendments. Section(s) II.N

1. We ask to adjust the maximum application temperature to 90°F as seen in the Directions for use sections on pages 5 and 10 of the enclosed draft label.
2. Also, we are updating terminology on page 1 from "INERT" to "OTHER" INGREDIENTS

e-mail to jkunstman@pbigordon.com FAX: 816-421-2731

Section – III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Container
☒ Yes* ☐ No	☒ Yes ☐ No		☐ Yes ☒ No		☐ Metal ☒ Plastic ☐ Glass ☐ Paper ☐ Other *(Specify)*
***Certification must be submitted**	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per Container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☒ Label ☐ Container	1 gallon, 2.5 gallon, 30 and 55 gallon	☒ On Label ☒ On Labeling accompanying product

6. Manner in Which Label is Affixed to Product ☒ Lithograph ☒ Paper glued ☐ Stenciled ☐ Other _____

Section – IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. *(Include Area Code)*
James L. Kunstman, Ph.D.	Director of Regulatory Services	816-460-6292

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

2. Signature	3. Title	6. Date Application Received (Stamped)
James L. Kunstman	Director of Regulatory Services	
4. Typed Name James L. Kunstman, Ph.D.	5. Date March 3, 2014	

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete. **White - EPA File Copy (original) Yellow - Applicant Copy**

3/18

pbi/gordon corporation
An Employee-Owned Company

1217 W. 12th STREET · P.O. BOX 014090
KANSAS CITY, MISSOURI 64101-0090
816-421-4070 · 1-800-821-7925
FAX: 816-474-0462

March 3, 2014

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
Attn: Ms. Kathryn V. Montague, PM Team 23

NOTIFICATION
APR - 2 2014

Dear Ms. Montague:

Subject: **NOTIFICATION: Labeling notification per PRN 98-10: Notifications, Non-notifications and Minor Formulation Amendments. Section(s) II.N Trimec Herbicide (EPA Reg. No. 2217-543).**

1. We ask to adjust the maximum application temperature to 90°F as seen in the Directions for use sections on pages 5 and 10 of the enclosed draft label.
2. Also, we are updating terminology on page 1 from "INERT" to "OTHER" INGREDIENTS to make the language consistent with our other product labels.

Certification statement:
This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Section 12 and 14 of FIFRA.

Enclosures:

NOTIFICATION
APR - 2 2014

The administrative portion of this application includes the following:

1. Application for Pesticide Amendment (EPA Form 8570-1).
2. One copy of the draft labeling with annotations
3. One copy of the draft labeling without annotations
4. One CD containing copies of the draft label

Please contact me at 816/460-6292 or via e-mail at jkunstman@pbigordon.com if you have questions concerning this submission.

Sincerely,

James L. Kunstman, Ph.D.
Director of Regulatory Services

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TRIMEC® HERBICIDE

EPA Reg. No. 2217-543

Two sublabels represent the entire master label of TRIMEC HERBICIDE. Please refer to the appropriate section of the labeling as shown as follows:

Section
Language Common to All Sublabels
Sublabel 1
Sublabel 2
Appendix
Document Control Information

NOTIFICATION

APR - 2 2014

Language Common to All Sublabels

TRIMEC® HERBICIDE

EPA Reg. No. 2217-543

USE THIS PRODUCT ONLY IN ACCORDANCE WITH ITS LABELING AND WITH THE WORKER PROTECTION STANDARD 40 CFR PART 170.

ACTIVE INGREDIENT:	
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid	25.93%
Dimethylamine salt of (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid	6.93%
Dimethylamine salt of dicamba: 3,6-dichloro-o-anisic acid	2.76%
INERT OTHER INGREDIENTS:	64.38%
TOTAL	100.00%

THIS PRODUCT CONTAINS:
1.98 lb 2,4-dichlorophenoxyacetic acid equivalent per gallon or 21.54%
0.53 lb (+)-(R)-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 5.73%
0.21 lb 3,6-dichloro-o-anisic acid equivalent per gallon or 2.29%
Isomer Specific by AOAC Method.

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find some one to explain it to you in detail.)

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER: Corrosive. Causes irreversible eye damage. Causes skin irritation. Do not get into eyes, on skin or clothing. Harmful if absorbed through skin. Harmful if swallowed or inhaled. Avoid exposure to spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are natural rubber. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear*:
- protective eyewear,
- long-sleeved shirt and long pants,

- shoes and socks,
- chemical-resistant gloves and
- chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

* Applicators may choose not to wear protective eyewear with dilution rates greater (higher) than 5:1 or greater (higher) than 5 parts of water to 1 part of product.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

User Safety Recommendations

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid	
If in eyes:	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice. **Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.	

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow,

may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

LIMITED WARRANTY AND DISCLAIMER

IMPORTANT: Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS**. Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.**

THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTIAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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Sublabel 1
Directions for Use presented on the container label of Trimec® Classic Brand Broadleaf Herbicide.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- coveralls worn over short-sleeved shirt and short pants,
- chemical-resistant footwear plus socks,
- chemical-resistant gloves made of any water-proof material,
- chemical-resistant headgear for overhead exposure and
- protective eyewear.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Reentry Statement: Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

ORNAMENTAL LAWNS, ORNAMENTAL TURFGRASS AND SOD FARMS:

USE PRECAUTIONS:

Do not apply this product through any type of irrigation system.

Do not broadcast apply when air temperatures exceed 85 90°F; some injury may be expected with spot treatments when air temperatures exceed 85 90°F. Seed can be sown 3 to 4 weeks after application.

After using this product, clean sprayer with soap or detergent and rinse thoroughly before using other pesticides in it.

Other Use Precautions:

- Do not use this product on or near desirable plants, including contact of spray on exposed root systems or adventitious shoots within the drip line of desirable trees and shrubs, since injury may result.

Sites:

Trimec® Herbicide is intended to be applied by lawn care operators and landscape personnel for use in ornamental lawns and turf established in institutional, ornamental, and residential/domestic sites. Institutional sites are defined as turf areas around properties or facilities providing a service to public or private organizations including, but not limited to hospitals, nursing homes, schools, museums, libraries, sport facilities, golf courses, and office buildings. Ornamental sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings. Finally, residential/domestic sites are defined as areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.

Also, Trimec® Herbicide provides selective broadleaf control in warm season and cool season turfgrass established for commercial sod production.

ORNAMENTAL LAWNS, ORNAMENTAL TURFGRASS AND SOD FARMS ESTABLISHED WITH COOL-SEASON AND WARM-SEASON TURFGRASSES:

Maximum control of weeds in cool season and warm season turfgrasses will be obtained from spring or early fall applications when weeds are actively growing. Do not use on carpetgrass, dichondra, nor on lawns or turf where desirable clovers are present.

Avoid spraying during long, excessively dry or hot periods unless adequate irrigation is available. Do not irrigate within 24 hours after application. Do not apply to newly seeded turf until after the second or third mowing. Grass seed can be sown 3 to 4 weeks after application at recommended rates.

General Application:

Cool Season Grasses, Common Bermudagrass, Bahiagrass, and Zoysiagrass - Apply 3.25 to 4.0 pints of product per acre with spray volumes of 20 to 260 gallons per acre (gpa). Or, apply 1.2 to 1.5 fluid ounces of product in 0.5 to 6 gallons of water per 1,000 square feet. Use the higher application rate with the higher spray volumes. The best time to control clover is in the fall. When making a spring application to control clover, the rate of 4 pints of product per acre is recommended.

Hybrid Bermudagrass - Apply 2.0 to 4.0 pints of product per acre with spray volumes of 20 to 260 gallons per acre (gpa). Or, apply 0.75 to 1.5 fluid ounces of product in 0.5 to 6 gallons of water per 1,000 square feet. Use the higher application rate with the higher spray volumes.

Certain hybrid bermudagrasses vary in tolerance to this product. Contact your local Extension Service Weed Control Specialist for turfgrass tolerance to this product.

Bentgrass, Centipedegrass, and St. Augustinegrass - On closely mowed bentgrass (putting greens, bowling greens, and show lawns), apply a maximum rate of 1.0 fluid ounce of product per 1,500 square feet with spray volumes of 5.0 gallons per 1,500 square feet. Do not apply when grass is under stress from drought or hot temperatures. Use application equipment that is capable of distributing uniform droplets over the entire area to be sprayed. Slight yellowing of turf will disappear after about one week. Care should be taken to avoid overdosing bentgrasses or injury may result.

Some injury can be expected to turf when used on centipedegrass or St. Augustinegrass lawns; spot spray weeds established in centipedegrass and St. Augustinegrass to avoid damage that may occur from

a broadcast treatment. Do not apply this product to St. Augustinegrass during spring green-up which is the transition period between dormancy and active growth. Cultivars of St. Augustinegrass vary in tolerance to this product. Do not apply this product to 'Floratam' St. Augustinegrass.

Controlled Droplet Applicator (CDA):
Cool Season Grasses, Common Bermudagrass, Bahiagrass, and Zoysiagrass - Add 2.5 pints of product to the Herbi container and fill with water. Spray contents over 33,000 square feet. Avoid overlapping between spray patterns.

Limitations on broadcast treatments for ornamental turfgrass and sod farms::
The maximum application rate is 4.0 pints of product per acre per application (0.99 lb 2,4-D ae, 0.27 lb MCPP-p ae, and 0.11 lb dicamba ae per acre per application). For ornamental turfgrass, the maximum number of broadcast applications is limited to 2 per year with a minimum of 30 days between applications. For sod farms, the maximum number of broadcast applications is limited to 2 per year with a minimum of 21 days between applications. The maximum seasonal rate is 8.0 pints of product per acre (1.98 lb 2,4-D ae, 0.53 lb MCPP-p ae, and 0.21 lb dicamba ae per acre).

Limitations on spot treatments for ornamental turfgrass:
Spot treatment is defined as a treatment area no greater than 1,000 sq.ft. per acre. The maximum application rate is 1.5 fl.oz. per 1,000 sq.ft. per application (0.27 lb MCPP-p acid equivalent per acre) The maximum number of spot treatments is limited to 2 per year with a minimum of 30 days between applications..

Spray Drift Management

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of ground application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size
Use only Medium or coarser spray nozzles according to ASAE (S 572) definition of standard nozzles or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed
Do not apply at wind speeds greater than 10 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind.

Temperature Inversions
If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Susceptible Plants
Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements
Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

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Equipment
All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates. Do not apply with a nozzle height greater than 4 feet above the crop canopy. Do not apply by aerial application.

BROADLEAF WEEDS			
annual fleabane	dock	kochia	redweed
aster, white heath & white prairie	dogfennel	lambsquarters	yellow rocket
bedstraw	dovefoot geranium	lawn burweed	red sorrel (*sheep sorrel)
beggarticks	English daisy	lespedeza, common	roundleaf greenbriar
beggarweed, creeping	false dandelion (*spotted	mallow, common	shepherdspurse
bindweed	catsear & common catsear)	matchweed	spotted spurge
birdsfoot trefoil	field bindweed	mouseear chickweed	spurge
black medic	(*morningglory & creeping	mustard	sunflower
broadleaf plantain	jenny)	nettle	thistle
buckhorn plantain	field madder	old world diamond flower	velvetleaf (*buttonweed)
bull thistle	field oxeye-daisy	*Oxalis* (*yellow woodsorrel &	Venice mallow
burclover	(*creeping oxeye)	creeping woodsorrel)	*Veronica* (*corn speedwell)
burdock, common	field pennycress	parsley-piert	Virginia buttonweed
buttercup, creeping	filaree, whitestem &	Pennsylvania smartweed	Virginia-creeper
Carolina geranium	redstem	pennywort (*dollarweed)	western salsify
carpetweed	Florida pusley	pepperweed	white clover (*Dutch clover,
chickweed, common	ground ivy	pigweed	honeysuckle clover, white
chicory	groundsel	pineappleweed	trefoil & purplewort)
cinquefoil	hairy bittercress	plantain	wild carrot
clover	hawkweed	poison ivy	wild garlic
cocklebur	healall	poison oak	wild geranium
compassplant	henbit	prostrate knotweed	wild lettuce
curly dock	horsenettle	(*knotweed)	wild mustard
dandelion	horseweed	puncturevine	wild onion
dayflower	innocence (Blue-eyed	purple cudweed	wild strawberry
deadnettle	Mary)	purslane	yarrow
	jimsonweed	ragweed	
*Synonyms			

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in *Washington Toxics Coalition, et.al. v. EPA,* C01-0132C, (W.D. WA). For further information, please refer to EPA Web Site: http://www.epa.gov/espp.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in a locked storage area. Keep from freezing.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

[For Plastic Containers – Nonrefillable with capacities equal to or less than 5 gallons:]
CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning If burned, stay out of smoke.

Triple rinse [or pressure rinse] container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and

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drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

[OR

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.]

[For Plastic Containers – Nonrefillable with capacities greater than 5 gallons:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning If burned, stay out of smoke.

Triple rinse [or pressure rinse] container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

[OR

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.]

[For Refillable Containers:]

CONTAINER HANDLING: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Container cleaning: Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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Sublabel 2
Directions for Use presented on the container label of Gordon's Brush Killer.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- coveralls worn over short-sleeved shirt and short pants,
- chemical-resistant footwear plus socks,
- chemical-resistant gloves made of any water-proof material,
- chemical-resistant headgear for overhead exposure and
- protective eyewear.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Reentry Statement: Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

BRUSH AND BROADLEAF WEEDS ALONG ROADSIDES, RIGHTS-OF-WAY, DRAINAGE DITCHBANKS AND OTHER SIMILAR NONCROP AREAS:

USE PRECAUTIONS:

Do not apply this product through any type of irrigation system. Do not apply when temperatures exceed 90°F and humidity is high.

Other Use Precautions:

- Do not use this product on or near desirable plants, including contact of spray on exposed root systems or adventitious shoots within the drip line of desirable trees and shrubs, since injury may result.

DIRECTIONS, RESTRICTIONS AND LIMITATIONS FOR USE IN NON-CROPLAND

Applications to non-cropland areas are not applicable to treatment of commercial timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

To effectively control brush, all leaves, stems and suckers must be thoroughly wetted to the ground. Apply when plants come into full leaf (spring) to the time plants begin to go dormant. Best results will be obtained when brush and weeds are young and actively growing. Do not cut brush or weeds until the herbicide has translocated throughout the plant causing root death.

Broadcast applications to annual and perennial weeds: Apply to emerged weeds. For best results, treat when weeds are young and actively growing.

The maximum application rate to general noncropland sites is 1.0 gallon of product per acre per application per site.

The maximum seasonal application rate to non crop sites is 4 pounds 2,4-D acid equivalent per acre per application site per year.

Minimum spray volume: Use 2 or more gallons of spray solution per acre. Number of applications: Limited to 2 applications per year.

Broadcast applications to woody plants: Apply to trees and brush when foliage is fully expanded and plants are actively growing.

Up to 2.0 gallons of product per acre (4.0 lb 2,4-D acid equivalent per acre) may be applied in a single application to rights-of-way, including electrical power lines, communication lines, pipelines, highways and railroads that intersect wooded areas or stands of trees, brush and woody plants.

The maximum noncropland application rate for tree, brush and woody plant control is 2.0 gallons of product per acre per application per site.

Target species	Application schedule	Maximum application rate, Gallons of product per acre	Maximum application rate, Pounds of 2,4-D acid equivalent per acre per application	Maximum number of applications per year	Minimum days between applications	Minimum spray volume, gallons per acre
Annual and perennial weeds	Broadcast	1.0 gal/A	2.0 lb/A	2	30 days	2
Woody plants	Broadcast and high volume foliar	2.0 gal/A	4.0 lb/A	1	NA	See Tables 1-2.

High volume foliar applications (100 to 400 gallons per acre):
Apply 0.5 to 2.0 gallons of product per acre with adequate water or apply a 0.5 to 2.0% vol/vol spray solution as a full cover spray with high volume equipment. Use the lower spray concentrations in the range for susceptible species and use the higher spray concentrations within the range for hard-to-control

species, for mature plants during the late summer or under adverse environmental conditions (e.g. drought).

Spray broadleaf weeds, woody plants or mixed brush uniformly and thoroughly by wetting all leaves, stems, bark and root collars. The total volume of spray solution required for adequate coverage of solid stands of mixed brush can range from 100 to 400 gallons of spray solution per treated acre. The spray preparation chart for applications on a spray-to-wet basis is shown below in Table 1.

Table 1. Instructions for preparing 100 to 400 gallons of spray solution at 0.5 to 2.0% spray concentration with water for high volume foliar applications.

Spray solution per acre, Gallons	Amount of Product Needed for Spray Concentration of:			
	0.5%	**0.67%**	**1.0%**	**2.0%**
100	0.5 gal.	0.67 gal.	1.0 gal.	**2.0 gal.**
200	1.0 gal.	1.34 gal.	**2.0 gal.**	----
300	1.5 gal.	**2.0 gal.**	----	----
400	**2.0 gal.**	----	----	----
Equal measures: 1 gallon = 4 quarts = 8 pints = 128 fl.oz.				

The maximum seasonal application rate for trees, brush and woody plant control is 2.0 gallons of product per acre per application per site.

For Backpack Sprayers, Knapsack Sprayers, and Hand-pressurized Pump Sprayers.

Table 2. Instructions for preparing 1 to 3 gallons of spray solution at 0.5 to 2.0% spray concentration with water for high volume foliar applications.

Gallons of Water	Amount of Product Needed for Spray Concentration of:			
	0.5%	**0.67%**	**1.0%**	**2.0%**
1	4 teaspoons	5 teaspoons	2.5 tablespoons	5 tablespoons
2	2.5 tablepoons	3.5 tablespoons	5 tablespoons	10 tablespoons
3	2 fl.oz.	2.5 fl.oz.	4 fl.oz.	8 fl.oz.
Equal measures: 1 fl. oz. = 2 tablespoons (Tbs.) = 6 teaspoons (tsp.)				

Spray Drift Management

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of ground application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

Use only Medium or coarser spray nozzles according to ASAE (S 572) definition of standard nozzles or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 10 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Susceptible Plants

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops

include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements
Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

Equipment
All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates. Do not apply with a nozzle height greater than 4 feet above the crop canopy. Do not apply by aerial application.

BRUSH [WOODY PLANTS]:			
Ash	Brambles	Kudzu	Shortleaf pine
Aspen	Elms	Multiflora rose	Thistle
Birch	Gooseberry	Oak	Willow
Black cherry	Honey locust		

BROADLEAF WEEDS			
annual fleabane	dogfennel	kochia	redweed
aster, white heath & white	dovefoot geranium	lambsquarters	red sorrel (*sheep sorrel)
prairie	English daisy	lawn burweed	roundleaf greenbriar
bedstraw	false dandelion (*spotted	lespedeza, common	shepherdspurse
beggarticks	catsear & common	mallow, common	spotted spurge
beggarweed, creeping	catsear)	matchweed	spurge
bindweed	field bindweed	mouseear chickweed	sunflower
birdsfoot trefoil	(*morningglory & creeping	mustard	thistle
black medic	jenny)	nettle	velvetleaf (*buttonweed)
broadleaf plantain	field madder	old world diamond flower	Venice mallow
buckhorn plantain	field oxeye-daisy	*Oxalis* (*yellow woodsorrel &	*Veronica* (*corn speedwell)
bull thistle	(*creeping oxeye)	creeping woodsorrel)	Virginia buttonweed
burclover	field pennycress	parsley-piert	Virginia-creeper
burdock, common	filaree, whitestem &	Pennsylvania smartweed	western salsify
buttercup, creeping	redstem	pennywort (*dollarweed)	white clover (*Dutch clover,
Carolina geranium	Florida pusley	pepperweed	honeysuckle clover, white
carpetweed	ground ivy	pigweed	trefoil & purplewort)
chickweed, common	groundsel	pineappleweed	wild carrot
chicory	hairy bittercress	plantain	wild garlic
cinquefoil	hawkweed	poison ivy	wild geranium
clover	healall	poison oak	wild lettuce
cocklebur	henbit	prostrate knotweed	wild mustard
compassplant	horsenettle	(*knotweed)	wild onion
curly dock	horseweed	puncturevine	wild strawberry
dandelion	innocence (Blue-eyed	purple cudweed	yarrow
dayflower	Mary)	purslane	yellow rocket
deadnettle	jimsonweed	ragweed	
dock			
*Synonyms			

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in *Washington Toxics Coalition, et.al. v. EPA,* C01-0132C, (W.D. WA). For further information, please refer to EPA Web Site: http://www.epa.gov/espp.

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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container in a locked storage area. Keep from freezing.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

[For Plastic Containers – Nonrefillable with capacities equal to or less than 5 gallons:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning If burned, stay out of smoke.

Triple rinse [or pressure rinse] container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

[OR

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.]

[For Plastic Containers – Nonrefillable with capacities greater than 5 gallons:]

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning If burned, stay out of smoke.

Triple rinse [or pressure rinse] container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

[OR

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.]

[For Refillable Containers:]

CONTAINER HANDLING: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Container cleaning: Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

APPENDIX

1. Statements which may appear on different label components depending on packaging configuration.

- See next panel for additional Precautionary Statements and First Aid
- Net Contents: ____
- EPA Est. No. ____

2. Advertising claims that may be presented on container labeling, advertisements, brochures, and other marketing/sales promotional materials:

- A broadleaf weed and brush killer
- Controls dandelion, chickweed, knotweed, plantain, henbit, spurge, ash, aspen, bramble, kudzu, oak, willow and other species of broadleaf weeds and brush; some of which are listed on this label.
- One gallon covers 2 to 2.5 acres
- Low-odor formulation!
- Outstanding broadleaf weed control.
- TRIMEC® is a registered trademark of PBI/GORDON CORPORATION.

DOCUMENT CONTROL INFORMATION

1. Unique Label Identifier: 002217-00543.20140303.notif-proposed-highlighted.doc

2. Reason for Issue: adjust max app temp, other

53489-4_book_art.qxp 8/31/16 9:18 AM Page 1

Triplet® SF

Selective Herbicide

Selective broadleaf weed control for turfgrasses including use on sod farms. To control clover, dandelion, henbit, plantains, wild onion, and many other broadleaf weeds. Also for highways, rights-of-way and other similar non-crop areas (as listed on this label).

CONTAINS 2,4-D, MECOPROP-p AND DICAMBA

ACTIVE INGREDIENTS:	
Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*....	30.56%
Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)Propionic Acid **‡.....	8.17%
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-Anisic Acid)***	2.77%
OTHER INGREDIENTS:	58.50%
TOTAL:	100.00%

Isomer Specific Method, Equivalent to:
*2,4-Dichlorophenoxyacetic Acid ..... 25.38%, 2.38 lb/gal
**(+)-R-2-(2-Methyl-4-Chlorophenoxy) Propionic Acid ..... 6.75%, 0.63 lb/gal
***3,6-Dichloro-o-Anisic Acid ..... 2.30%, 0.22 lb/gal
‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

KEEP OUT OF REACH OF CHILDREN

DANGER / PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

SEE INSIDE BOOKLET FOR PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300

For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 228-312
EPA Est. No. indicated by the first two letters of the batch number on this package
(VA) 70815-GA-002, (CH) 228-IL-001

Manufactured for
Nufarm Americas Inc.
11901 S. Austin Avenue
Alsip, IL 60803

Nufarm Grow a better tomorrow.

7 36211 75776 0

Net Contents
2.5 Gal.
(9.46 L)
Nonrefillable Container

14188000

file: 53489-3_book_art
folder: 53489-3_Nufarm_14188000[2]
color: black, 377, 348
barcode: UPC-A 80% -39m
created by: 09-27-10 jw
alt: 08-31-16 jw
size: 5.5"(w) x 6.5"(h)
☐ dp proofed_____

IMEN LABEL – SPECIMEN LABEL – SPECIMEN LABEL – SPECIMEN LABEL – SPECIMEN LABEL – SPE

2,4-D	GROUP 4	HERBICIDE
MECOPROP-P	GROUP 4	HERBICIDE
DICAMBA	GROUP 4	HERBICIDE
CARFENTRAZONE	GROUP 14	HERBICIDE

SpeedZone® EW

BROADLEAF HERBICIDE FOR TURF

ACTIVE INGREDIENTS:

2,4-D, 2-ethylhexyl ester	25.86%
Mecoprop-p, DMA salt	6.84%
Dicamba, DMA salt	1.91%
Carfentrazone-ethyl	0.57%
OTHER INGREDIENTS:	64.82%
TOTAL	100.00%

THIS PRODUCT CONTAINS:
1.27 lb 2,4-dichlorophenoxyacetic acid equivalent per gallon or 17.15%.
0.42 lb (+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 5.66%.
0.12 lb 3,6-dichloro-o-anisic acid equivalent per gallon or 1.59%.
0.04 lb Ethyl α,2-dichloro-5-[4(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate per gallon or 0.57%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STOP! **READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
CAUTION: Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)
All mixers, loaders, applicators, and other handlers must wear:
- long-sleeved shirt and long pants,
- shoes and socks,
- chemical resistant gloves made of barrier laminate, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), or viton (≥ 14 mils), and
- chemical resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

See engineering controls for additional requirements.

User Safety Requirements
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements
When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR 170.607(d-e), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations
- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

(First Aid continued on next column)

First Aid *(cont.)*	
If in eyes:	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical information.	

Environmental Hazards
This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

2,4-D and Mecoprop-p have properties and characteristics associated with chemicals detected in groundwater. The use of these chemicals in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

Fish Advisory Statement: This product may be hazardous to aquatic organisms, particularly in clear, shallow water bodies that are adjacent to treated areas. Transport to water by runoff or spray drift of this product in areas where surface water is present, or intertidal areas below the mean high water mark, should be avoided. Do not contaminate water when disposing of equipment wash water or rinsate.

Non-target Organism Advisory Statement: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by minimizing spray drift.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:
- coveralls worn over short-sleeved shirt and short pants,
- chemical-resistant footwear plus socks,
- chemical resistant gloves made of barrier laminate, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), or viton (≥ 14 mils)
- chemical-resistant headgear for overhead exposure and
- protective eyewear.

Non-Agricultural Use Requirements
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

1. Product Description

SpeedZone® EW Broadleaf Herbicide for Turf is a post-emergent herbicide that provides control of listed broadleaf weeds while offering turfgrass safety in established cool- and warm-season turf species. SpeedZone EW Broadleaf Herbicide for Turf features cool-weather performance and fast response, with symptoms generally visible within hours.

SpeedZone EW Broadleaf Herbicide for Turf offers these advantages:
- Four active ingredients for broad-spectrum control.
- Dependable control of more than 90 listed broadleaf weed species, including clover, dandelion, dollarweed, and spurge.
- Provides control of goosegrass and nimblewill.
- Fast-acting with evidence of injury within hours. Plant death in 7 to 10 days.
- Cool weather performance.
- High selectivity (turfgrass safety) in established cool- and warm-season turfgrass species.

PULL HERE TO OPEN

Trimmit® 2SC

Plant growth regulator

syngenta®

Plant Growth Regulator

For Turfgrass

Active Ingredient:	
Paclobutrazol (±)-(*R*,R**)-beta-[(4-chlorophenyl)methyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	22.9%
Other Ingredients:	77.1%
Total:	100.0%

Contains 2 lb. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1014
EPA Est. 5905-IA-01

SCP 1014B-L3F 1012
4025071

2.5 gallons
Net Contents

™

FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything to an unconscious person.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or Viton®
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

continued...

PRECAUTIONARY STATEMENTS *(continued)*

Environmental Hazards

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

Physical and Chemical Hazards

Do not use or store near heat or open flame.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

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Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or Viton
- Shoes plus socks

USE INFORMATION

Trimmit 2SC is a plant growth regulator for non-residential turfgrass that slows grass growth for up to two months after application. The frequency of mowing can be reduced by up to 50% during the period of effective retardation. Use of Trimmit 2SC on fine turf should be accompanied by moderate-to-high fertility to maintain turfgrass appearance and reduce discoloration. Growth and development of some grasses (e.g. *Poa annua*) can be significantly reduced, leading to selective control after prolonged use in mixed populations.

What Applications of Trimmit 2SC to Turfgrasses Provide

- Slowed vertical growth and reduced mowing for 6 to 8 weeks on established hybrid bermudagrass, bentgrass and perennial ryegrass fairways, tees and roughs, and on St. Augustinegrass and Kentucky bluegrass/perennial ryegrass turf areas (use reduced rates on bentgrass and overseeded bermudagrass greens).
- Improved and extended fertilizer performance for up to 12 weeks when combined with a nitrogen fertilizer while improving turfgrass quality versus fertilizer alone.
- Reduced potential for scalping of all turfgrass areas.
- Better ball playability on hybrid bermudagrass due to increased turf density and tighter-knit turf areas.
- Suppression of *Poa annua* by reducing its growth and competitive ability.

When to Use for Growth Suppression of Warm-Season Grasses

Use anytime when established hybrid bermudagrass and St. Augustinegrass are green, actively growing and have recovered from dormancy (filled in fully following winter).

When to Use for Growth Suppression of Cool-Season Grasses

Apply in spring after green-up and after turf has been mowed once or twice. Apply at least 1 month before onset of high air temperatures. In late summer/early fall, apply at least 1 month before anticipated first killing frost.

When to Use for *Poa annua* Suppression

Apply when the *Poa annua* is actively growing. In moderate climates the application timing may be fall through late spring. In northern climates, spring and fall timings are recommended. In climates with a prolonged winter dormancy, fall applications can be made up to one month prior to anticipated first killing frost. Repeat application should be made as part of a *Poa annua* suppression program.

When to Use for Color and Quality Enhancement of Winter Overseeded Turf and *Poa annua* Suppression

Apply anytime after overseeded turf has successfully established itself (cool-season turf species should be near 85% of turf composition). Do not apply after March 15th to putting greens to avoid delay in bermudagrass green-up. Moderate soil moisture conditions should be present before and after application to achieve best regulating effect.

USE DIRECTIONS

Apply treatment solution uniformly to turf. Do not use on residential turf. For best results, apply 0.25 inch of water within 24 hours after application to remove product from foliage and onto soil surface.

Apply with standard pressurized spray application equipment with by-pass or mechanical agitation using strainer screens of 50 (or coarser) mesh. Product should be added during filling of applicator tank. When tank is allowed to stand, vigorous agitation should be used to assure material suspension before application.

Apply Trimmit 2SC to turf in sufficient amount of water (minimum 1 gallon treatment solution per 1,000 sq. ft. = 43.5 gal./acre) to ensure uniform coverage. For best results, use 2 to 3 gallons of water per 1,000 sq. ft. A color agent or other marking device is advised to avoid skipping and/or overlapping.

Treatment Coverage Chart[1]

Rate of Active Ingredient per Acre	Fluid Ounces of Product per Acre
0.10 lb. a.i./A	6.4 oz.
0.16 lb. a.i./A	10.0 oz.
0.25 lb. a.i./A	16.0 oz.
0.50 lb. a.i./A	32.0 oz.
0.75 lb. a.i./A	48.0 oz.

[1] Product should be mixed with minimum 1 gal. water/1,000 sq. ft. Use 2 to 3 gal./1,000 sq. ft. for best results.

Specific Rates

Warm Season Grasses	Cool Season Grasses[1] (except putting greens)	Bentgrass Putting Greens	Overseeded Bermudagrass
0.50 lb. a.i./A (sandy soils)	0.25 to 0.50 lb. a.i./A	0.10 to 0.25 lb. a.i./A	0.10 to 0.16 lb. a.i./A
0.75 lb. a.i./A (clay soils)			

[1] Reduce application rate by 50% if *Poa annua* is a significant portion of turfgrass population (greater than 50%).

Apply 0.5 to 0.9 lb. nitrogen/1,000 sq. ft. of a non-burning fertilizer product on warm and cool season grasses. Apply 0.25 to 0.5 lb. nitrogen/1,000 sq. ft. on bentgrass greens and overseeded bermudagrass.

Results to Expect from Application of Trimmit 2SC

When applied as directed, vertical growth of turf will be slowed within 3-10 days, resulting in reduced mowing frequency for a 6- to 8-week period. Following applications, turf will gradually undergo increased greening and density, which may persist up to 12 weeks.

Following application of product, weed populations should not be any greater than on untreated turf, although weed visibility may be higher on regulated turf.

Growth and competitive ability of *Poa annua* will be reduced within 1 to 2 weeks after application; regulation will last 3 to 8 weeks. Turfgrass shoots and leaves will become discolored for 3 to 8 weeks following onset of growth regulation. With proper fertilization, desired turfgrasses will be stimulated to crowd out weakened *Poa annua*.

As density of treated fairways increases due to altered growth habit, ball playability may improve, causing ball to sit higher on turf. This result is most evident on hybrid bermudagrass.

Seedhead formation will not be prevented. Seedheads should be mowed off as they grow above turf cutting height to maintain a desirable-looking turf.

Excessive irrigation and/or nitrogen fertilization may shorten period of growth regulation.

Regulator response will vary somewhat according to turf variety. For St. Augustinegrass, Bitter Blue will be the most responsive and Floratam the least responsive.

HYBRID BERMUDAGRASS

Cultivar	Sensitivity/Activity	Period of Growth Regulation	Period of Color Response
Tifway I, II	Medium/Good	5 - 6 weeks	6 - 8 weeks
Tifgreen	High/Excellent	6 - 8 weeks	8 - 10 weeks
Ormond	High/Excellent	6 - 8 weeks	8 - 10 weeks

ST. AUGUSTINEGRASS

Cultivar	Sensitivity/Activity	Period of Growth Regulation	Period of Color Response
Floratam	Low/Moderate	4 – 6 weeks	5 - 8 weeks
Floralawn	Low/Moderate	4 – 6 weeks	5 - 8 weeks
Floratine	Medium/Good	6 - 7 weeks	7 - 8 weeks
Raleigh, Texas Common	Medium/Good	6 - 7 weeks	7 - 8 weeks
Bitter Blue, Seville	High/Excellent	7 - 8 weeks	8 - 10 weeks

Program Scheduling

If crabgrass or other annual grassy weeds have been a problem in the past, an application of the appropriate preemergence weed control product should be made before the use of Trimmit 2SC. Space the applications of Trimmit 2SC and oxadiazon-based preemergence products at least 4 weeks apart on putting greens.

If a weed, disease or insect problem occurs after application of Trimmit 2SC, apply an appropriate control product at its recommended rate. Trimmit 2SC is compatible with most existing control products. Use of Trimmit 2SC in combination with fungicides containing propiconazole, fenarimol, triadimefon, and myclobutanil can result in increased growth inhibition of *Poa annua* on putting greens.

For Growth Regulation

Repeat applications can be made within the same growing season as long as the turf is actively growing. Turfgrass species and growth rate will dictate rate and timing of applications. Do not apply more than 4 quarts per acre per year (2 lb. a.i./A).

For *Poa annua* Suppression

Trimmit 2SC will suppress the growth and competitive ability of *Poa annua*. Apply when *Poa annua* is actively growing at 16 to 32 ounces per acre. Lower rates and more frequent applications can be made if *Poa annua* discoloration cannot be tolerated. However, only moderate *Poa annua* suppression may be achieved. Do not apply more than 4 quarts per acre per year (2 lb. a.i./A).

For Color, Quality Enhancement, and *Poa annua* Suppression in Overseedings

On bentgrass greens and overseeded bermudagrass, repeat applications can be made as long as the turf is actively growing. Do not apply more than 4 quarts per acre per year (2 lb. a.i./A). Apply to overseeded turf when seed has established and turf composition is near 85% of the cool season species.

Do not apply to overseeded bermudagrass greens after March 15th to avoid delay of spring green-up of dwarf-type bermudagrass.

Do not aerify or topdress and drag greens with steel mats while under growth regulation.

Do not seed within 6 weeks prior to or 2 weeks after application of Trimmit 2SC.

If Embark® is used for *Poa annua* seedhead control, apply this product **at least** 14 days after application of Embark.

USE PRECAUTIONS

Do not use on residential lawns.

Do not use on bermudagrass putting greens except for winter overseeding enhancement use.

Do not use on athletic fields under heavy traffic where maximum growth potential of turf is desired.

Do not use on shrubs, flowers, fruits, or vegetable plants (applications to turf areas under trees will not affect/harm trees).

Do not use during periods of extreme dry or cold weather conditions, or during heavy insect or disease activity.

Do not apply product when soil is already saturated. Heavy rainfall or irrigation in the treated areas may cause active ingredient to move laterally on slopes and collect in low areas. These areas may undergo more severe growth control for a longer period of time.

Do not use on areas containing greater than 70% *Poa annua*, since discoloration of *Poa annua* may be unacceptable.

Delay treatment of newly-sodded or sprigged turf until grass has knitted down and rooted firmly.

Delay sprigging for at least 4 weeks and sodding at least 2 weeks after application is made.

Do not apply this product through any type of irrigation equipment.

Withhold application on large turf areas that have been thinned from winter drainage, disease, or insects until desired fill-in is achieved.

Assure that dosage rates are measured accurately since rates greater than those recommended may cause undesirable turf growth control and may discolor areas temporarily.

Shake container thoroughly before use.

For best residual activity, Trimmit 2SC should be removed from leaf surfaces by irrigation or rainfall prior to mowing.

Broadleaf weeds are not significantly affected by Trimmit 2SC. To control the growth of weeds, treat with an appropriate herbicide when weeds are actively growing. Carefully follow label directions.

Do not use on areas to be cultivated for food or feed crops or to be resown with grasses within two years of treatment.

Do not apply more than 4 qt. per acre per year (2 lb. a.i./A).

Do not graze treated areas or harvest for forage or hay.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Handling [Less than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Container Handling [Greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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the SYNGENTA Logo
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Embark® is a trademark of PBI/Gordon Corporation

Viton® is a trademark of E.I. duPont de Nemours and Company

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For non-emergency (e.g., current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1014B-L3F 1012
4025071

Trimmit® 2SC
Plant growth regulator

For Turfgrass

Active Ingredient:	
Paclobutrazol (±)-(*R**,*R**)-beta-[(4-chlorophenyl) methyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	22.9%
Other Ingredients:	77.1%
Total:	100.0%

Contains 2 lb. active ingredient per gallon.

See additional precautionary statements and directions for use inside booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1014
EPA Est. 5905-IA-01

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1014B-L3F 1012
4025071

BAR CODE # IS
(01) 0 07 02941 39743
LAST DIGIT IS CHECK DIGIT
UCC/EAN 128

2.5 gallons
Net Contents

KEEP OUT OF REACH OF CHILDREN.

CAUTION

FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOTLINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call **1-800-888-8372**.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

Physical and Chemical Hazards: Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Handling [Less than 5 gallons]: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

syngenta®

PULL HERE TO OPEN

Trimmit® 2SC

Plant growth regulator

syngenta®

Plant Growth Regulator

For Turfgrass

Active Ingredient:	
Paclobutrazol (±)-(*R*,R**)-beta-[(4-chlorophenyl)methyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	22.9%
Other Ingredients:	77.1%
Total:	100.0%

Contains 2 lb. active ingredient per gallon.

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EPA Reg. No. 100-1014
EPA Est. 5905-IA-01

SCP 1014B-L3F 1012
4025071

2.5 gallons
Net Contents

™

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PRECAUTIONARY STATEMENTS

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CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or Viton®
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

continued...

PRECAUTIONARY STATEMENTS *(continued)*

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To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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0.16 lb. a.i./A	10.0 oz.
0.25 lb. a.i./A	16.0 oz.
0.50 lb. a.i./A	32.0 oz.
0.75 lb. a.i./A	48.0 oz.

[1] Product should be mixed with minimum 1 gal. water/1,000 sq. ft. Use 2 to 3 gal./1,000 sq. ft. for best results.

Specific Rates

Warm Season Grasses	Cool Season Grasses[1] (except putting greens)	Bentgrass Putting Greens	Overseeded Bermudagrass
0.50 lb. a.i./A (sandy soils)	0.25 to 0.50 lb. a.i./A	0.10 to 0.25 lb. a.i./A	0.10 to 0.16 lb. a.i./A
0.75 lb. a.i./A (clay soils)			

[1] Reduce application rate by 50% if *Poa annua* is a significant portion of turfgrass population (greater than 50%).

Apply 0.5 to 0.9 lb. nitrogen/1,000 sq. ft. of a non-burning fertilizer product on warm and cool season grasses. Apply 0.25 to 0.5 lb. nitrogen/1,000 sq. ft. on bentgrass greens and overseeded bermudagrass.

Results to Expect from Application of Trimmit 2SC

When applied as directed, vertical growth of turf will be slowed within 3-10 days, resulting in reduced mowing frequency for a 6- to 8-week period. Following applications, turf will gradually undergo increased greening and density, which may persist up to 12 weeks.

Following application of product, weed populations should not be any greater than on untreated turf, although weed visibility may be higher on regulated turf.

Growth and competitive ability of *Poa annua* will be reduced within 1 to 2 weeks after application; regulation will last 3 to 8 weeks. Turfgrass shoots and leaves will become discolored for 3 to 8 weeks following onset of growth regulation. With proper fertilization, desired turfgrasses will be stimulated to crowd out weakened *Poa annua*.

As density of treated fairways increases due to altered growth habit, ball playability may improve, causing ball to sit higher on turf. This result is most evident on hybrid bermudagrass.

Seedhead formation will not be prevented. Seedheads should be mowed off as they grow above turf cutting height to maintain a desirable-looking turf.

Excessive irrigation and/or nitrogen fertilization may shorten period of growth regulation.

Regulator response will vary somewhat according to turf variety. For St. Augustinegrass, Bitter Blue will be the most responsive and Floratam the least responsive.

HYBRID BERMUDAGRASS

Cultivar	Sensitivity/Activity	Period of Growth Regulation	Period of Color Response
Tifway I, II	Medium/Good	5 - 6 weeks	6 - 8 weeks
Tifgreen	High/Excellent	6 - 8 weeks	8 - 10 weeks
Ormond	High/Excellent	6 - 8 weeks	8 - 10 weeks

ST. AUGUSTINEGRASS

Cultivar	Sensitivity/Activity	Period of Growth Regulation	Period of Color Response
Floratam	Low/Moderate	4 – 6 weeks	5 - 8 weeks
Floralawn	Low/Moderate	4 – 6 weeks	5 - 8 weeks
Floratine	Medium/Good	6 - 7 weeks	7 - 8 weeks
Raleigh, Texas Common	Medium/Good	6 - 7 weeks	7 - 8 weeks
Bitter Blue, Seville	High/Excellent	7 - 8 weeks	8 - 10 weeks

Program Scheduling

If crabgrass or other annual grassy weeds have been a problem in the past, an application of the appropriate preemergence weed control product should be made before the use of Trimmit 2SC. Space the applications of Trimmit 2SC and oxadiazon-based preemergence products at least 4 weeks apart on putting greens.

If a weed, disease or insect problem occurs after application of Trimmit 2SC, apply an appropriate control product at its recommended rate. Trimmit 2SC is compatible with most existing control products. Use of Trimmit 2SC in combination with fungicides containing propiconazole, fenarimol, triadimefon, and myclobutanil can result in increased growth inhibition of *Poa annua* on putting greens.

For Growth Regulation

Repeat applications can be made within the same growing season as long as the turf is actively growing. Turfgrass species and growth rate will dictate rate and timing of applications. Do not apply more than 4 quarts per acre per year (2 lb. a.i./A).

For *Poa annua* Suppression

Trimmit 2SC will suppress the growth and competitive ability of *Poa annua*. Apply when *Poa annua* is actively growing at 16 to 32 ounces per acre. Lower rates and more frequent applications can be made if *Poa annua* discoloration cannot be tolerated. However, only moderate *Poa annua* suppression may be achieved. Do not apply more than 4 quarts per acre per year (2 lb. a.i./A).

For Color, Quality Enhancement, and *Poa annua* Suppression in Overseedings

On bentgrass greens and overseeded bermudagrass, repeat applications can be made as long as the turf is actively growing. Do not apply more than 4 quarts per acre per year (2 lb. a.i./A). Apply to overseeded turf when seed has established and turf composition is near 85% of the cool season species.

Do not apply to overseeded bermudagrass greens after March 15th to avoid delay of spring green-up of dwarf-type bermudagrass.

Do not aerify or topdress and drag greens with steel mats while under growth regulation.

Do not seed within 6 weeks prior to or 2 weeks after application of Trimmit 2SC.

If Embark® is used for *Poa annua* seedhead control, apply this product **at least** 14 days after application of Embark.

USE PRECAUTIONS

Do not use on residential lawns.

Do not use on bermudagrass putting greens except for winter overseeding enhancement use.

Do not use on athletic fields under heavy traffic where maximum growth potential of turf is desired.

Do not use on shrubs, flowers, fruits, or vegetable plants (applications to turf areas under trees will not affect/harm trees).

Do not use during periods of extreme dry or cold weather conditions, or during heavy insect or disease activity.

Do not apply product when soil is already saturated. Heavy rainfall or irrigation in the treated areas may cause active ingredient to move laterally on slopes and collect in low areas. These areas may undergo more severe growth control for a longer period of time.

Do not use on areas containing greater than 70% *Poa annua*, since discoloration of *Poa annua* may be unacceptable.

Delay treatment of newly-sodded or sprigged turf until grass has knitted down and rooted firmly.

Delay sprigging for at least 4 weeks and sodding at least 2 weeks after application is made.

Do not apply this product through any type of irrigation equipment.

Withhold application on large turf areas that have been thinned from winter drainage, disease, or insects until desired fill-in is achieved.

Assure that dosage rates are measured accurately since rates greater than those recommended may cause undesirable turf growth control and may discolor areas temporarily.

Shake container thoroughly before use.

For best residual activity, Trimmit 2SC should be removed from leaf surfaces by irrigation or rainfall prior to mowing.

Broadleaf weeds are not significantly affected by Trimmit 2SC. To control the growth of weeds, treat with an appropriate herbicide when weeds are actively growing. Carefully follow label directions.

Do not use on areas to be cultivated for food or feed crops or to be resown with grasses within two years of treatment.

Do not apply more than 4 qt. per acre per year (2 lb. a.i./A).

Do not graze treated areas or harvest for forage or hay.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Handling [Less than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Container Handling [Greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Trimmit®, the ALLIANCE FRAME
the SYNGENTA Logo
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are Trademarks of a Syngenta Group Company

Embark® is a trademark of PBI/Gordon Corporation

Viton® is a trademark of E.I. duPont de Nemours and Company

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For non-emergency (e.g., current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1014B-L3F 1012
4025071

Trimmit® 2SC
Plant growth regulator

For Turfgrass

Active Ingredient:	
Paclobutrazol (±)-(*R**,*R**)-beta-[(4-chlorophenyl) methyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	22.9%
Other Ingredients:	77.1%
Total:	100.0%

Contains 2 lb. active ingredient per gallon.

See additional precautionary statements and directions for use inside booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1014
EPA Est. 5905-IA-01

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1014B-L3F 1012
4025071

BAR CODE # IS
(01) 0 07 02941 39743
LAST DIGIT IS CHECK DIGIT
UCC/EAN 128

2.5 gallons
Net Contents

KEEP OUT OF REACH OF CHILDREN.

CAUTION

FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOTLINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call **1-800-888-8372**.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

Physical and Chemical Hazards: Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

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syngenta®

This label has been updated according to the re-evaluation decision of Trinexapac-ethyl RVD2022-12. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 18/08/2024 in accordance with the phase out period set out in RVD2022-12. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.

PRIMO MAXX®

PLANT GROWTH REGULATOR FOR TURF GROWTH MANAGEMENT

COMMERCIAL

PRIMO MAXX® is a micro-emulsion concentrate for managing growth of turfgrass on golf courses and commercial sod farms only.

ACTIVE INGREDIENT:
Trinexapac-ethyl 11.3%

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN
WARNING: EYE IRRITANT

REGISTRATION NO.: **26989**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **3.78 L, 10 L, 37.8 L**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, ON N1G 4Z3
Telephone: 1-877-964-3682

Label

1.0 NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

2.0 FIRST AID

IN CASE OF POISONING, contact a physician or a poison control center **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If in eyes, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

3.0 TOXICOLOGICAL INFORMATION

There is no specific antidote if this product is ingested. Treat symptomatically. Do not induce emesis.

4.0 PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN.

KEEP PEOPLE OFF TREATED AREA UNTIL FOLIAGE IS DRY.

Causes eye irritation. DO NOT get in eyes. Do not get on skin or on clothing.

RESTRICTED ENTRY INTERVAL (REI):
For golf courses, **DO NOT** enter or allow entry until residues have dried. For sods farms, **DO NOT** enter or allow worker entry during the restricted-entry interval (REI) of 12 hours. PRIMO MAXX® can be applied to golf course greens, tees, fairways, roughs, and sod farms only. **DO NOT** apply to turf in other residential areas including lawns, gardens, parks, playing fields, cemeteries and schools.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

DO NOT apply by air**.**

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab. In addition, wear protective eyewear (goggles or face shield) during mixing and loading.

DO NOT use leather or cloth gloves. Rinse gloves with soap and water before removal and wash hands.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and eyes.

After work, change clothing and wash contaminated clothes separately from other laundry before reuse.

Do not eat, drink or smoke during application; wash hands and face thoroughly immediately following each application of this product.

6.0 ENVIRONMENTAL PRECAUTIONS

Toxic to non-target terrestrial plants and aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.

Avoid contact with non-target plants or any body of water. Avoid drift to these sensitive habitats. Do not contaminate aquatic systems through the disposal of waste or the cleaning/rinsing of spray equipment.

Do not contaminate food or feed. Do not graze livestock on treated areas. Do not feed clippings from treated areas to livestock or poultry.

7.0 STORAGE

1. Do not use or store near heat or open flame.
2. Keep from freezing.
3. Store in original container in a secured, dry storage area.
4. Store the tightly closed container away from seeds, fertilizers, plants and foodstuffs.
5. Prevent cross contamination with other pesticides.

8.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

For recyclable containers:
Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

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For refillable containers:
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IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING, CALL 1-800-327-8633 (FASTMED)

PRIMO MAXX® is a trademark of a Syngenta Group Company.

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Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, ON N1G 4Z3
Telephone: 1-877-964-3682

Pamphlet

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IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING, CALL 1-800-327-8633 (FASTMED)

9.0 PRODUCT INFORMATION

PRIMO MAXX reduces the frequency of mowing and the amount of grass clippings by regulating the growth of turfgrass. Full growth regulation by PRIMO MAXX begins about 3-5 days after application.

PRIMO MAXX can be applied to well-maintained turf on golf courses and commercial sod farms. PRIMO MAXX can be used to manage difficult-to-mow areas and reduce turf growth along curbs, parking lots, cart paths, bunkers and around trees, shrubs and flower beds.

PRIMO MAXX reaches the growing point by foliar uptake. Field data have indicated that PRIMO MAXX may not be rainfast soon after application. Application should be completed at least 3 hours before irrigation or rain. Areas treated with PRIMO MAXX should continue to receive regular maintenance practices, including irrigation, fertilization, and weed, disease, and insect control when necessary, as recommended for quality turf.

10.0 DIRECTIONS FOR USE

10.1 General Information

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including

Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

Environmental conditions, management, and cultural practices that affect turf growth and vigour will influence the response of the turf to PRIMO MAXX applications. Fertility level, moisture availability, plant vigour, height, and frequency of mowing, have been shown to influence the activity of PRIMO MAXX.

PRIMO MAXX may cause temporary yellowing. This usually disappears about one week after application. To minimize yellowing and to enhance the green colour of turf, apply readily available nitrogen at 0.1- 0.25 kg of actual nitrogen per 100 m^2. If desirable, recommended rates of iron per 100 m^2 can also be used.

PRIMO MAXX can be applied every 4 weeks or later as required to actively growing turf only at the rates shown in Table 1. At these rates PRIMO MAXX provides approximately 50% growth inhibition.

PRIMO MAXX may be applied at one-half (1/2) of the rate shown in Table 1 when applied every two weeks or later as required during the summer when turf growth begins to slow due to the high temperatures or where yellowing of annual bluegrass (*Poa annua*) is a concern.

NOTE: A reduction in turf quality (as overall appearance, including colour and/or density may occur after application, however reductions are transient and recovery within 2-4 weeks is normally observed.

NOTE: In the absence of a repeated application, turf treated with PRIMO MAXX may grow more rapidly than untreated turf for several weeks following a period of suppressed growth.

NOTE: Do not make more than 7 applications at the rates shown in Table 1 or 14 applications at the half rate per year.

NOTE: Due to risk of injury to turf, avoid overlapping and do not apply to turf that is stressed, such as by low fertility, high temperatures, drought, frost or to turf that is diseased or insect-

damaged.

DO NOT APPLY PRIMO MAXX FOR TWO WEEKS FOLLOWING AN AERATION OR VERTICUTTING.

Mowing
Generally, PRIMO MAXX provides more suppression when turfgrass is maintained at lower mowing heights than higher mowing heights. Application rates have been selected for typical mowing heights. To minimize possible turf injury, apply PRIMO MAXX then wait at least 4 hours before mowing or mow first, wait at least 1 hour, then apply PRIMO MAXX.

10.2 Ground Application

PRIMO MAXX may be applied with backpack sprayers, hand sprayers, boom sprayers, and with spraygun application devices. Clean spray equipment thoroughly before use. Make sure the sprayer is capable of accurate and uniform application. Calibrate the sprayer before applying PRIMO MAXX. Rinse sprayer with clean water after use and dispose of rinsate in an approved manner.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply by air.

10.2.1 Mixing Instructions

PRIMO MAXX Only
Apply PRIMO MAXX in sufficient carrier (for example 2-15 L of water per 100 m^2) to provide uniform and thorough coverage.

PRIMO MAXX is a micro-emulsion concentrate (MEC) with minimal odour because the product does not contain petroleum solvents. PRIMO MAXX mixes completely with water. Prepare no more mixture than is necessary for the immediate operation. Once PRIMO MAXX is uniformly mixed, no further agitation is required.

Backpack and Hand Sprayers (2-15 L capacity)

Add all of the required water to the mix tank. Add the appropriate amount of PRIMO MAXX, close sprayer, and vigorously shake it. Begin application.

Boom and Hand Gun Sprayers

Add all of the required amount of water to the spray tank. Then, while agitating, add PRIMO MAXX.

10.2.2 Application Near and Around Monuments and Hardscape Materials

PRIMO MAXX, at normal dilution rates, will not stain brass, bronze, concrete, marble, granite, or other types of stone. Before using PRIMO MAXX around other materials, test on a small-scale

basis first.

10.2.3 Equipment Clean-Up

Before Spraying:

- Prior to using PRIMO MAXX, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying:

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow PRIMO MAXX residue to dry within the spray tank.
- When using tank mixes, consult the tank-mix partner label for additional clean-up instructions.
- The following recommendations are provided:
  1. Drain and flush tank walls, boom and all hoses for ten minutes with clean water. Rinse with clean water. **DO NOT** clean the sprayer near desirable vegetation, wells or other water sources.
  2. Remove all nozzles and screens and wash separately.
  3. Dispose of all rinsate in accordance with provincial regulations.

10.3 Spray Buffer Zones

A spray buffer zone is NOT required for uses with hand-held application equipment permitted on this label.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of Application	**Crop**	**Spray Buffer Zones (metres) Required for the Protection of:**		
		Freshwater Habitat of Depths		**Terrestrial Habitat**
		Less than 1 m	**Greater than 1 m**	
Field Sprayer	Turf	1	1	1

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

11.0 MINOR USES

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Syngenta Canada Inc. under the User Requested Minor Use Registration program. For these uses, Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

11.1 Table 1. Recommended PRIMO MAXX Application Rates[1]

Turf Type	Commercial Sod Farms and Golf Courses, including Rough Areas[2,3]	Commercial Sod Farms and Golf Course Fairways (Cut at 1.0-1.9 cm)	Golf Course Greens[4]
	mL/100 m^2		
Creeping Bentgrass (*Agrostis* and *Stolonifera palustris*)		8.0	4.0
Tall Fescue (*Festuca arundinacea*)	24		
Kentucky Bluegrass (*Poa pratensis*)	19	8.0[4]	
Perennial Ryegrass (*Lolium perenne*)	32	16	
Mixture (Creeping Bentgrass/Annual Bluegrass (*Poa annua)*)		8.0[5]	4.0
Mixture - Kentucky Bluegrass/Tall Fescue/Perennial Ryegrass	24		
Mixture Kentucky Bluegrass/Perennial Ryegrass/Annual Bluegrass		16[5]	
Mixture of Annual Bluegrass and Kentucky Bluegrass		8.0	

[1] Apply only to turf species/mixtures on sites for which a rate is shown in Table 1. Rates shown in Table 1 should provide 50% suppression of turf growth under good growing conditions for a minimum of 4 weeks with minimal yellowing. Growth suppression may be less with use of rates that are one-half those shown in Table 1.

[2] Canopy height should be at least 3.8 cm for Kentucky bluegrass and perennial ryegrass and at least 5 cm for tall fescue.

[3] Includes edging/banding applications along curbs, parking lots, cart paths, bunkers and around trees, shrubs and flower beds. Apply PRIMO MAXX in a 20 to 30 cm band with a single nozzle sprayer.

[4] PRIMO MAXX has not been tested at a rate of 2 mL/100 m^2. Therefore, results may be unsatisfactory with use of the one half rate on greens.

[5] Where yellowing of annual bluegrass *(Poa annua)* is a concern, use half the rate and apply every 2 weeks or later as required. Where temporary discoloration of annual bluegrass can be tolerated, use the rate shown in Table 1.

PRIMO MAXX® is a trademark of a Syngenta Group Company.

PULL HERE TO OPEN

Podium®

PLANT GROWTH REGULATOR FOR TURF GROWTH MANAGEMENT

For managing growth, improving quality and stress tolerance, and edging of warm- and cool-season turfgrasses

Active Ingredient: Trinexapac-ethyl (CAS No. 95266-40-3)	11.3%
Other Ingredients:	88.7%
Total:	100.0%

Podium® is a microemulsion concentrate containing one pound trinexapac-ethyl per gallon.

EPA Reg. No. 100-937
EPA Est. 62171-MS-001

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

Product of Switzerland
Formulated in the USA

SCP 937B-L1D 1215
4061883

1 gallon

Net Contents

FIRST AID	
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

If a large amount has been ingested, lavage stomach. An aqueous suspension of activated charcoal can be given to absorb remaining toxicant. Treat symptomatically.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER

For 24-Hour Medical Emergency Assistance (Human or Animal) or
Chemical Emergency Assistance (Spill, Leak, Fire, or Accident),
Call
1-800-888-8372

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (such as nitrile, butyl, neoprene, or barrier laminate)
- Shoes plus socks

continued…

PRECAUTIONARY STATEMENTS *(continued)*

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from treated areas.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

The restricted-entry interval (REI) for this product is 0 days.

Do not enter treated areas without footwear until sprays have dried.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without footwear until sprays have dried.

Observe all precautions and limitations on this label and on the labels of each product used in tank mixture with this product.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN UNEVEN GROWTH REDUCTION OR SEVERELY STUNTED TURF.

USE INFORMATION

Podium for turf growth management reduces the frequency of mowing and the amount of grass clippings by reducing the vertical growth of warm- and cool-season turfgrasses. Other benefits, such as increased turf density, increased color, and increased turf quality, are frequently observed after Podium applications.

Podium can be applied to well-maintained, quality turfgrass areas, such as residential and commercial lawns, golf courses, sod farms, sports fields, cemeteries, and similar areas. Podium is useful in the management of difficult-to-mow areas and can be used to minimize the need for edging turfgrass along sidewalks, curbs, parking lots, driveways, flower beds, fences and around posts, storage sheds, and trees.

Turf Pre-Stress Conditioning

Multiple Podium applications along with cultural practices such as fertilization, irrigation, drainage, mowing height, etc., will delay the onset of stress, improve stressed turfgrass survival, and enhance turf's recovery from stress.

Apply Podium to healthy, actively growing turf before the onset of stress and continue to apply Podium throughout the growing season as long as the turf remains healthy.

Turfgrass root-mass is often greater in Podium treated turf than in similar, untreated turf. As turf top growth slows, energy is redirected to below-ground plant parts, and root and rhizome production increases. Research has demonstrated that Podium may also enhance the performance of fungicides. Monthly applications of Podium at the label rate or more frequent applications at lower label rates strengthen the turfgrass to help it resist disease. In addition, if mowing is less frequent, and leaf material removal is reduced, contact and systemic products stay at effective concentrations on or in the turf longer.

Multiple applications of Podium will reduce water use and improve drought tolerance. Podium applications result in smaller, more compact turfgrass, and leaf area is reduced for transpiration. Increased turf density reduces moisture loss from soil evaporation, and additional soil moisture is available due to increased root depth and mass. Podium may increase carbohydrate levels which have been shown to enhance heat and cold tolerance. Repeat applications will improve turf quality in areas of reduced light intensity when applications begin while the turf is still healthy.

Podium reaches the growing point by foliar uptake and is rainfast from rainfall or irrigation after one hour. Watering-in is not necessary for activation.

The rates presented in the **Application Rate Table** provide approximately 50% growth inhibition over a 4-week period with little or no discoloration of turf growing under favorable conditions.

Application Near and Around Monuments and Hardscape Materials:

Podium, at normal dilution rates, will not stain brass, bronze, concrete, marble, granite, or other types of stone. Before using Podium around other materials, test on a small scale basis first.

NOTICE TO USER: Plant tolerances to Podium have been found to be acceptable for the grasses listed on this label. Due to the large number of species and cultivars of grasses, it is impossible to test every one for tolerance to Podium. Neither the manufacturer nor the seller has determined whether or not Podium can be used safely on grasses not specified on this label. The professional user should determine if Podium can be used safely prior to commercial use. Before using Podium for grasses not listed in the application table, test Podium on a small scale first. Apply the lower rate for the turf setting (lawn, fairway, etc.) and evaluate for phytotoxicity and growth inhibition to widespread use.

Notes: (1) Areas treated with Podium should continue to receive regular maintenance practices, including irrigation; fertilization; and weed, disease, and insect control when necessary, and as recommended for quality turf. Because some herbicides can injure turf, tank mixes with Podium should be tested on a small scale before widespread use. (2) Podium may cause temporary yellowing. This usually disappears about one week after application. To minimize yellowing and to enhance the green color of turf, apply readily available nitrogen at 0.2-0.5 lb of actual nitrogen per 1,000 sq ft. If desirable, rates of iron per 1,000 sq ft can also be used. (3) Full growth regulation by Podium begins at about 3-5 days after application.

APPLICATION PROCEDURES / RESTRICTIONS

Applications of Podium can be made as frequently as weekly during the growing season, however, **DO NOT exceed a total of 7.0 fl oz/1,000 sq ft (305 fl oz/A; 19.0 pt/A) per year.**

The rates presented in the **Application Rate Table** provide approximately 50% growth inhibition over a 4-week period with little or no discoloration of turf growing under favorable conditions. If applications of Podium are made on a weekly or biweekly basis, reduce the lowest rate in the table by at least 50% for the first application and monitor the turf growth to adjust application rate for the desired growth suppression.

Application Equipment

Podium may be applied with backpack sprayers, hand sprayers, boom sprayers, and with spray gun application devices. Clean spray equipment thoroughly before use. Make sure the sprayer is capable of accurate and uniform application. Calibrate the sprayer before applying Podium. Rinse sprayer with clean water after use and dispose of rinsate in an approved manner.

Application Timing

Apply Podium to actively growing turf. If turf is going into dormancy because of high or low temperatures or lack of moisture, apply a lower rate of Podium.

Repeat applications of Podium may be made as soon as the turf resumes growth or more suppression is desired.

Environmental conditions, management, and cultural practices that affect turf growth and vigor will influence the response of the turf to Podium applications. Fertility level, moisture availability, plant vigor, height, and frequency of mowing, etc. have been shown to influence the activity of Podium.

Mowing

Generally, Podium provides more suppression when turfgrasses are maintained at lower mowing heights than higher mowing heights. Application rates have been selected for typical mowing heights. The application rate may need to be adjusted depending on actual mowing conditions. To minimize possible turf injury, apply Podium, then wait at least 4 hours before mowing or mow first, wait at least 1 hour, then apply Podium.

Excessive turf growth, which may occur with high fertilization or during spring flushes, may require higher rates of Podium. Under these conditions, Podium rates may need to be increased up to 50% to provide an adequate length of control.

For extended growth suppression, when temporary discoloration can be tolerated, a maximum of twice the Podium rate from the **Application Rate Table** may be applied.

Podium use rates may need to be reduced up to 50% for turfgrass grown under conditions of low fertility, compaction, or other factors which stress the turf.

MIXING INSTRUCTIONS

Apply Podium in sufficient carrier (for example 0.5-4.0 gal of water per 1,000 sq ft) to provide uniform and thorough coverage.

Podium is a microemulsion concentrate (MEC) with minimal odor. Podium mixes completely with water and may be tank mixed with many commonly-used pesticides and liquid fertilizers. Prepare no more mixture than is necessary for the immediate operation. Once Podium is uniformly mixed, no further agitation is required when the product is used alone, but agitation may be required for tank mixes. If using Podium in a tank mixture, observe all directions for use, sites, use rate dilution ratios, precautions, and limitations which appear on the tank mix product's label. Do not exceed any label use rate and follow the most restrictive label precautions and limitations. This product should not be mixed with any product which prohibits such mixing.

Backpack and Hand Sprayers (0.5-4.0 gal capacity)

Podium Alone: Add all of the required water to the mix tank. Add the appropriate amount of Podium, close sprayer, and vigorously shake it. Begin application.

Boom and Hand Gun Sprayers

Podium Alone: Add all the required amount of water to the spray tank. Then, while agitating, add Podium.

Podium + Tank Mixtures: When mixing Podium with other components (carrier and tank mix pesticide products) add the products to the spray tank using the following procedure:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of Podium, other products to be used, and the water before mixing in the spray tank. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If mixture balls-up, forms flakes, sludges, gels, oily films or layers, or precipitates, it is not compatible.Do not use the combination in a tank mix.

2. Fill tank at least 1/2 full of water.
3. Maintain sufficient agitation during filling to keep the tank mix uniformly suspended.
4. Add all products packaged in water-soluble bags first. Allow the packages to dissolve and the contents to completely disperse into the mix water. Then add water-dispersible granules (WG formulations) while maintaining agitation in the mix tank. Next, add wettable powders (WP formulations). Allow the products to disperse completely before other products are added.
5. Add emulsifiable concentrates (EC).
6. Add flowable liquids (FL) or suspension concentrates (SC).
7. Add Podium.
8. Add spray adjuvants and spray markers. Use surfactants approved for application to turf. Check surfactant label before use.
9. Add the remainder of the water.
10. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply all of the spray solution on the same day.

Note: Do not mix Podium with any product which prohibits such mixing. Do not exceed any label application rate and follow the most restrictive label precautions and limitations. Refer to the tank mix partner label(s) for further information.

SPECIFIC USE DIRECTIONS

SUPPRESSION OF ANTHRACNOSE

Podium can be applied at rates of 0.1 to 0.2 fl oz per 1,000 sq ft every 7 to 14 days to suppress basal rot anthracnose. Use the lower rate when seedheads are present. For optimal disease control, tank mix with Banner Maxx, Daconil, Medallion or other fungicides registered for the control of anthracnose.

POA ANNUA CONVERSION / RENOVATION / SEEDHEAD SUPPRESSION

Podium can be applied to existing turf infested with stands of *Poa annua* as part of an overseeding/renovation program. Such an application allows better germination and seedling growth of more desirable turf. The use of Podium, with appropriate cultural practices, that help to ensure the vigor and growth of new seedlings, will also result in fewer clippings and thus reduce maintenance traffic on new seedlings. Because Podium is foliarly absorbed, seed germination is not affected. Apply Podium 1-5 days before seeding; and before verticutting, scalping, spiking, or other similar operations.

Temporary initial discoloration is possible with aggressive application rates of Podium to turf with *Poa annua*. The following spring, apply the upper end rate of Podium for the turf type and setting listed in the **Application Rate Table**. Actual conversion success will also depend on growing conditions, fertilization, rainfall, and other agronomic and environmental conditions.

Podium will keep *Poa annua* seedheads lower in the canopy when applied prior to seedhead emergence. Podium can be tank mixed with Proxy® (ethephon) for improved seedhead suppression. Apply 0.125 – 0.25 oz/1000 sq ft of Podium + 5.0 oz/1000 sq ft of Proxy 3-4 weeks prior to expected seedhead emergence. A follow-up application can be made two weeks after the initial application. See Proxy label for use information and restrictions.

BERMUDAGRASS OVERSEEDING

An application of Podium to bermudagrass will enhance the establishment of cool-season turfgrasses. Application of Podium, along with cultural practices that help ensure new seedling vigor and growth, will also result in fewer clippings and less maintenance traffic on new seedlings. Podium is foliarly absorbed, so germination and seedling growth is not affected.

Apply Podium before verticutting, scalping, spiking, or other similar operations to the bermudagrass. Apply Podium 1-5 days before seeding.

Podium can be applied post-overseeding to enhance ryegrass establishment and reduce bermudagrass competition on fairways and tees. Apply Podium at 0.20 to 0.35 oz per 1000 sq ft once the ryegrass is about at 85% cover. Approximate timing would be just after the first mowing of the ryegrass. A second application 21-28 days later improves the ryegrass color and density.

Temporary initial discoloration of turfgrass is possible with aggressive application rates of Podium. Use normal seeding rates for your area and turf setting (lawn, fairway, etc.). Actual overseeding success will also depend on growing conditions, fertilization, rainfall, and other agronomic and environmental conditions. For maintenance applications, see the **Application Rate Table**.

APPLICATION WITH TURF MARKING PAINT

Podium can extend the duration of marking visibility when applied before or with marking agents. Mix Podium with water first when combining with latex-based marking agents. Refer to the marking agent's product label for further instructions.

Apply Podium at 1 oz/gal of marking paint mix to treat approximately 1,000 sq ft of line surface area. Refer to the **Podium + Tank Mixtures** section of this label for additional instructions.

Table 1. Podium Application Rates[1,2]

Turf Type	Residential and Commercial Turf[3]		Golf Course Fairways (Cut at 0.5" or less)		Golf Course Greens		Edging/Banding[4]	
	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A
Cool-Season								
Bentgrass	0.75	33	0.25	11	0.125	6	1.0	44
Fescue, Red	0.75	33					1.0	44
Fescue, Tall (Ky-31)	1.0	44					1.0	44
Fescue, Tall (Turf Types)	0.75	33					1.0	44
Kentucky Bluegrass	0.60	26	0.25	11			0.75	33
Mixture (Bentgrass/ *Poa annua*)			0.25[5]	11	0.125	7		
Mixture (K. Bluegrass/ Fescue/Ryegrass)	0.75	33						
Mixture (K. Bluegrass/ Ryegrass/*Poa annua*)			0.50[5]	22				
Ryegrass, Annual	1.0	44					1.0	44
Ryegrass, Perennial	1.0	44	0.50	22			1.0	44
Warm-Season								
Bahiagrass	1.0	44					1-2	44-88
Bermudagrass[6]								
Bermudagrass, Common	0.75	33	0.25	11			1-2	44-88
Bermudagrass, Other Hybrids	0.25	11	0.20	9			0.50-0.75	22-33
Bermudagrass, Tifdwarf and Ultradwarfs	0.20	9	0.20	9	0.062	3	0.50-0.75	22-33

Table 1. Podium Application Rates[1,2] *(continued)*

Turf Type	Residential and Commercial Turf[3]		Golf Course Fairways (Cut at 0.5" or less)		Golf Course Greens		Edging/Banding[4]	
	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A	fl oz/ 1,000 sq ft	fl oz/A
Bermudagrass, Tifgreen (328)	0.25	11	0.20	9	0.125	6	0.75	33
Bermudagrass, Tifway (419)	0.38	16	0.25	11			0.75	33
Buffalograss	1.0	44					1.0	44
Carpetgrass	0.25-0.40	11-18					0.50	22
Centipedegrass	0.50	22					1.0	44
Kikuyugrass	0.30-0.50	13-22	0.30	13			1.0	44
Seashore Paspalum	0.375	16	0.125-.25	6-11	0.08-0.20	4-9	0.50	22
St. Augustinegrass	0.10-0.15	4.50-6.50					0.40-0.80	18-36
St. Augustinegrass, Texas Common	0.10	4.5					0.20	9
Zoysiagrass	0.25	11	0.125	6			0.75	33

[1] These rates should provide 50% suppression of turf growth under good growing conditions for 4 weeks with minimal yellowing.

[2] Seedheads: At rates equal to or higher than the rates in Table 1, Podium provides seedhead suppression of hybrid bermudagrass, and partial seedhead suppression of annual bluegrass, bahiagrass, buffalograss, carpetgrass, common bermudagrass, Kentucky bluegrass, and tall fescue. Podium must be applied prior to seedhead formation. Do not apply more than 7.0 fl oz/1,000 sq ft per year.

[3] Including, but not limited to home lawns, parks, recreation areas, golf course roughs, cemeteries, business sites, sports fields, and sod farms.

[4] Podium can be applied along the perimeter of lawns, sidewalks, curbs, parking lots, driveways, posts, storage buildings, pet pens, fences, or other areas. Podium can be used around trees, shrubs, flower beds, and other border plants or similar areas with no injury. Apply Podium in an 8 to 12-inch band with a single nozzle sprayer. Use the higher concentration to reduce the growth of the turfgrass into adjacent areas.

[5] Where yellowing of *Poa annua* is a concern, use half this rate and apply more frequently. For *Poa annua* conversion/renovation, where temporary discoloration can be tolerated, twice this rate may be applied.

[6] Bermudagrass overseeding preparation: 0.5 oz/1,000 sq ft for golf fairways and tees; 0.25 oz/1,000 sq ft for golf greens.

Post-overseeding on ryegrass: 0.25 to 0.35 oz/1,000 sq ft for fairways and tees.

Precautions: (1) Do not apply Podium through any type of irrigation system. (2) Do not graze areas or feed clippings to livestock.

STORAGE AND DISPOSAL

Pesticide Storage and Disposal

Do not contaminate water, food, or feed by storage, disposal, or cleaning of equipment. Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, they must be disposed of according to federal, state, or local procedures. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Podium® and the SYNGENTA logo are trademarks of a Syngenta Group Company
Proxy® is a registered trademark of Bayer.
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For non-emergency (e.g., current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 937B-L1D 1215
4061883

Podium®

PLANT GROWTH REGULATOR

FOR TURF GROWTH MANAGEMENT

For managing growth, improving quality and stress tolerance, and edging of warm- and cool-season turfgrasses

Active Ingredient: Trinexapac-ethyl (CAS No. 95266-40-3)	11.3%
Other Ingredients:	88.7%
Total:	100.0%

Podium® is a microemulsion concentrate containing one pound trinexapac-ethyl per gallon.

See directions for use in attached booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-937
EPA Est. 62171-MS-001

Podium® and the SYNGENTA logo are trademarks of a Syngenta Group Company

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 937B-L1D 1215
4061883

1 gallon

Net Contents

(01) 0 07 02941 34062 6

KEEP OUT OF REACH OF CHILDREN.

CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

FIRST AID

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: If a large amount has been ingested, lavage stomach. An aqueous suspension of activated charcoal can be given to absorb remaining toxicant. Treat symptomatically.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**.

Environmental Hazards: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from treated areas.

Container Handling: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

See Podium label booklet for pesticide disposal instructions.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Nufarm

Prosedge

Selective Herbicide[2]

Nufarm Prosedge Selective Herbicide[2] is a selective post-emergent herbicide for the control of listed weeds, including both broadleaf weeds and nutsedge, in: turfgrasses (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass), and other non-crop sites (including airports, cemeteries, fallow areas to establishment of turf grass, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sod or turf seed farms, sports fields, landscaped areas with established woody ornamentals, fairgrounds, race tracks, tennis courts, campgrounds and rights-of-way).

ACTIVE INGREDIENT:	
Halosulfuron-methyl	75%
OTHER INGREDIENTS:	25%
TOTAL:	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300

For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 228-711

Manufactured for
Nufarm Americas Inc.
150 Harvester Drive
Burr Ridge, IL 60527

Nufarm

SPECIMEN

HALOSULFURON-METHYL	GROUP	2	HERBICIDE

SEDGEHAMMER® HERBICIDE

SEDGEHAMMER® is a selective herbicide for the control of nutsedge and other weeds in turfgrass and landscaped areas.

	% by Wt.
ACTIVE INGREDIENT:	
Halosulfuron-methyl, methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl) -1-methylpyrazole-4-carboxylate	75.0%
OTHER INGREDIENTS:	25.0%
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se las explique a usted en detaile.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. • Call poison control center or doctor for treatment advice.
IF SWALLOWED	• Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For medical emergencies involving this product, call toll free 1-888-478-0798.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

NET CONTENTS

EPA Reg. No. 81880-1-10163
EPA EST No.

Gowan
The Go To Company

Distributed by:
Gowan Company,LLC
P.O. Box 5569
Yuma, AZ 85366-5569

ENVIRONMENTAL HAZARD SECTION OF PRECAUTIONARY STATEMENTS

GROUNDWATER ADVISORY

This product is toxic to non-target vascular plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Halosulfuron-methyl is known to leach through soil into ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of halosulfuron-methyl from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

- Keep people off treated areas until spray solution has dried.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

WINDBLOWN SOIL PARTICLES

SEDGEHAMMER has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying SEDGEHAMMER if prevailing local conditions may be expected to result in off-site movement.

NON-TARGET ORGANISM ADVISORY

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by minimizing spray drift.

PRODUCT INFORMATION

SEDGEHAMMER is a water dispersible granule (WDG) that selectively controls broadleaf weeds and nutsedges such as purple and yellow nutsedge in established lawns, ornamental turfgrass, and landscaped areas. SEDGEHAMMER can be applied to commercial and residential turf and on other non-crop sites including: airports, campgrounds, cemeteries, fairgrounds, fence rows, fallow areas, fuel storage areas, golf courses, landscaped areas, established woody ornamentals in landscape areas, lumberyards, public recreation areas, race tracks, residential property, rights-of-way, roadsides, school grounds, sod or turf seed farms, sports fields, tank farms and tennis courts.

WEED RESISTANCE STATEMENT

SEDGEHAMMER contains a (Group 2) herbicide. Any weed population may contain or develop plants naturally resistant to (Group 2) Halosulfuron-methyl herbicides. Weed species with acquired resistance to (Group 2) Halosulfuron-methyl may eventually dominate the weed population if (Group 2) Halosulfuron-methyl herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by SEDGEHAMMER or other (Group 2) herbicides. Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

To delay herbicide resistance consider:

- Rotate the use of (Sedgehammer Herbicide) or other Group (2) herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.

- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner.
- Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include:
  (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
  (2) a spreading patch of non-controlled plants of a particular weed species;
  (3) surviving plants mixed with controlled individuals of the same species.
- If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes. For further information or to report suspected resistance or lack of performance, you may contact Gowan Company at 1-800-883-1844.
- For mixtures of herbicides remind the user that each listed weed may not be controlled by multiple mechanisms of action.

SPRAY DRIFT

Boom-less Ground Applications:

- Applicators are required to use a Medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

Boom-less Ground Applications:
Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Calibrate application equipment prior to application of this product. Application should be uniform and of sufficient volume to avoid streaking or skips. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants. Avoid excessive overlap of the spray.

Instructions for water dispersible granule in 1.3 oz bottle: Mix 0.9 gram of this product (using the 0.9 gram measuring scoop provided) in one or two gallons of water to treat 1000 square feet. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water. Ensure the product is measured as a level scoop and not rounded.

ADJUVANTS

Always use 0.25-0.5 percent v/v of a nonionic surfactant (1-2 quarts per 100 gallons of spray solution) for broadcast applications. For high volume applications, DO NOT exceed 1 quart of surfactant per acre. Use only nonionic surfactants that contain at least 80 percent active material.

MIXING INSTRUCTIONS

This product can be tank mixed with Glyphosate herbicide for application as a directed spray in landscaped or fallow areas. Tank mix with Glyphosate herbicide in landscape and fallow areas and turf renovation. Do not exceed the specified amount of surfactant due to the potential for turf injury at higher rates. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

USE PRECAUTIONS

- For best results, do not mow turf for 2 days before or 2 days after application.
- For best results, use the lower rate in light infestations and the higher rate in heavy infestations.
- Avoid applications when rainfall is forecasted to occur within 4 hours.
- This product can be used on seeded, sodded, or sprigged turfgrass that is well established. Allow the turf to develop a good root system and uniform stand before application.
- Treated areas can be overseeded with annual or perennial ryegrass or bermudagrass, 2 weeks after application.
- Color plants or herbaceous ornamentals may be injured when transplanted into landscaped areas treated with SEDGEHAMMER.
- Avoid application of SEDGEHAMMER when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may result.

USE RESTRICTIONS

- No more than 4 applications can be made per year with a minimum of 14 days between applications.
- Do not exceed 5 1/3 oz by weight of this product (0.25 lb active ingredient) per acre per 12 month period.
- Do not apply as an over-the-top spray to desirable flowers, ornamentals, vegetables, shrubs or trees.
- Do not apply this product to golf course putting greens.
- Do not apply this product through any type of irrigation system.
- Do not apply this product by air.
- Do not exceed the specified amount of surfactant due to the potential for turf injury at higher rates. Refer to the surfactant label and observe all precautions, mixing and application instructions.

WEEDS CONTROLLED BY SEDGEHAMMER

C = Control, S = Suppression, NA = No Activity

WEED SPECIES	POSTEMERGENT ACTIVITY	WEED SPECIES	POSTEMERGENT ACTIVITY
Burcucumber *Sicyos angulatus*	S	Morningglory, tall & Ivyleaf *Ipomoea spp.*	S
Cocklebur, common *Xanthium strumarium*	C	Mustard, wild *Sinapis arvensis*	C
Corn Spurry *Spergula arvensis*	C	Nutsedge, yellow *Cyperus esculentus*	C
Flatsedge, rice *Cyperus iria*	C	Nutsedge, purple *Cyperus rotundus*	C
Fleabane, Philadelphia *Erigeron philadelphicus*	C	Pigweed, redroot *Amarunthus retrofiexus*	C
Galinsoga *Galinsoga*	C	Pigweed, smooth *Amaranthus hybridus*	C
Groundsel, common *Senecio vulgaris*	NA	Pokeweed, common *Phytolacca Americana*	C
Jimsonweed *Datura stramonium*	NA	Purslane *Portulaca oleracea*	NA
Kyllinga, annual *Kyllinga sesquiflorus*	C	Radish, wild *Raphanus raphanistrum*	C
Kyllinga, green *Kyllinga breviflora*	C	Ragweed, common *Ambrosia artemisiifolia*	C
Kochia *Kochia scoparia*	S	Ragweed, giant *Ambrosia trifida*	C
Ladysthumb *Polygonum persicaria*	C	Shepherds purse *Capsella bursa-pastoris*	S
Lambsquarter, common *Chenopodium album*	NA	Smartweed, Pennsylvania *Polygonum pensylvanicum*	C
Mallow, Venice *Hibiscus trionum*	C	Sunflower, common *Helianthus annuus*	C
Milkweed, common *Asclepias syriaca*	S	Velvetleaf *Abutilan theophrasti*	C
Milkweed, honeyvine *Ampelamus albidus*	S		

RATES AND TIMING OF APPLICATION

CROP	RATE OZ/A	DIRECTIONS FOR USE
TURFGRASSES (INCLUDING COMMERCIAL AND RESIDENTIAL TURFGRASS, GOLF COURSES, ESTABLISHED LAWNS, ORNAMENTAL TURFGRASS AND LANDSCAPED AREAS)	2/3 – 1 1/3 (0.031 to 0.062 lb ai/A)	**Broadcast Applications:** Apply SEDGEHAMMER as a postemergence spray at 2/3 - 1 1/3 oz by weight of this product per acre (0.031 - 0.062 lb ai/A) after nutsedge has reached the 3 - 8 leaf stage of growth, for control of purple and yellow nutsedge and control and/or suppression of listed broadleaf weeds found in established turfgrass. A second treatment can be applied 6 - 10 weeks after the initial treatment. **Spot Treatments:** Mix 0.9 g of this product in 1 or 2 gal of water to treat 1000 sq ft. Add 2 tsp (1/3 fl oz) of nonionic surfactant per gallon of water.

<table>
<tr><td></td><td colspan="2">When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

<table>
<tr><th colspan="3">Cool-Season Grasses</th></tr>
<tr><td>Bentgrass, creeping
(Agrostis stolonifera)</td><td>Fescue, Fine
(Festuca arundinacea)</td><td>Ryegrass, Perennial
(Lolium perenne)</td></tr>
<tr><td>Bluegrass, Kentucky
(Poa pratensis)</td><td>Fescue, tall
(Festuca arundinacea)</td><td></td></tr>
</table>

<table>
<tr><th colspan="3">Warm-Season Grasses</th></tr>
<tr><td>Bahiagrass
(Paspalum notatum)</td><td>Kikuyugrass
(Pennisetum clandestinum)</td><td>Zoysiagrass
(Zoysia japonica)</td></tr>
<tr><td>Bermudagrass
(Cynodon dactylon)</td><td>Seashore paspalum
(Paspalum vaginatum)</td><td></td></tr>
<tr><td>Centipedegrass
(Eremochloa ophiuroides)</td><td>St. Augustine grass
(Stenotaphrum secundatum)</td><td></td></tr>
</table>
</td></tr>
<tr><td>ESTABLISHED WOODY ORNAMENTALS IN LANDSCAPE AREAS</td><td>2/3 – 1 1/3
(0.031 to 0.062 lb ai/A)</td><td>Broadcast Applications: Apply SEDGEHAMMER as a postemergence spray at 2/3 - 1 1/3 oz by weight of this product per acre (0.031 - 0.062 lb ai/A) around any established woody ornamental species in landscaped areas. This product will control purple and yellow nutsedge and control and/or suppress listed broadleaf weeds (see weeds controlled chart for additional information).

A second treatment can be applied 6 to 10 weeks after the initial treatment.
Spot Treatments:
Mix 0.9 g of this product in 1 or 2 gal of water to treat 1000 sq ft. Add 2 tsp (1/3 fl oz) of nonionic surfactant per gallon of water.

For transplanted woody ornamentals, allow 3 months after transplanting before applying this product.

Avoid contact of this product to leaves of desirable plants since foliar injury, discoloration or death may result.</td></tr>
<tr><td>FALLOW AREAS</td><td>2/3 – 1 1/3
(0.031 to 0.062 lb ai/A)</td><td>Broadcast Applications: Apply SEDGEHAMMER as a postemergence spray at 2/3 - 1 1/3 oz by weight of this product per acre (0.031 - 0.062 lb. ai/A) to fallow areas prior to the establishment of turfgrass or woody ornamental plants. This product will control purple and yellow nutsedge and control and/or suppress listed broadleaf weeds (see weeds controlled chart for additional information).

A second treatment can be applied 6 to 10 weeks after the initial treatment.

Spot Treatments:
Mix 0.9 g of this product in 1 or 2 gal of water to treat 1000 sq ft. Add 2 tsp (1/3 fl oz) of nonionic surfactant per gallon of water.
For Fallow areas, allow 4 weeks between applications and seeding or sodding of turfgrass, or transplanting woody ornamentals.</td></tr>
<tr><td>FENCE ROWS, FUEL STORAGE AREAS, LUMBERYARDS, TANK FARMS, RIGHT-OF WAY AND ROADSIDES</td><td>2/3 – 1 1/3
(0.031 to 0.062 lb ai/A)</td><td>Broadcast Applications: Apply SEDGEHAMMER as a postemergence spray at 2/3 - 1 1/3 oz by weight of this product per acre (0.031 to 0.062 lb ai/A) to roadsides and other industrial sites.

A second treatment can be applied 6 to 10 weeks after the initial treatment.

Spot Treatments:
Mix 0.9 g of this product in 1 or 2 gal of water to treat 1000 sq ft. Add 2 tsp (1/3 fl oz) of nonionic surfactant per gallon of water.

This product will control purple and yellow nutsedge and control and/or suppress listed broadleaf weeds (see weeds controlled chart for additional information).
NOTE: This product can be tank mixed with Glyphosate herbicide. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.</td></tr>
</table>

	2 2/3 (0.125 lb ai/A)	**FOR CONTROL OF HORSETAIL (*Equisetum arvense).*** Apply SEDGEHAMMER as a postemergence at 2 2/3 oz by weight of this product per acre (0.125 lb ai/A) after horsetail has leafed out. This rate of product will control horsetail that is less than 6 inches tall and suppress horsetail that is greater than 6 inches tall. Herbicide symptoms are likely to show within 2 weeks as a necrotic ring at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color.
OTHER NON-CROP SITES (INCLUDING AIRPORTS, CAMPGROUNDS, CEMETERIES, FAIRGROUNDS, PUBLIC RECREATION AREAS, RACE TRACKS, RESIDENTIAL PROPERTY, SCHOOL GROUNDS, SPORTS FIELDS, AND TENNIS COURTS)	2/3 – 1 1/3 (0.031 to 0.062 lb ai/A)	**Broadcast Applications:** Apply SEDGEHAMMER as a postemergence spray at 2/3 - 1 1/3 oz by weight of this product per acre (0.031 to 0.062 lb ai/A) after nutsedge has reached the 3 to 8 leaf stage of growth to other non-crop sites. This product will control purple and yellow nutsedge and control and/or suppress listed broadleaf weeds (see weeds controlled chart for additional information). A second treatment can be applied 6 to 10 weeks after the initial treatment. **Spot Treatments:** Mix 0.9 g of this product in 1 or 2 gal of water to treat 1000 sq ft. Add 2 tsp (1/3 fl oz) of nonionic surfactant per gallon of water.
SOD OR TURF SEED FARMS	2/3 – 1 1/3 (0.031 to 0.062 lb ai/A)	**Broadcast Applications:** Apply SEDGEHAMMER as a postemergence spray at 2/3 - 1 1/3 oz by weight of this product per acre (0.031 to 0.062 lb ai/A) after nutsedge has reached the 3 to 8 leaf stage of growth to sod or turf seed farms. This product will control purple and yellow nutsedge and control and/or suppress listed broadleaf weeds (see weeds controlled chart for additional information). A second treatment can be applied 6 to 10 weeks after the initial treatment. **Spot Treatments:** Mix 0.9 g of this product in 1 or 2 gal of water to treat 1000 sq ft. Add 2 tsp (1/3 fl oz) of nonionic surfactant per gallon of water.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
PESTICIDE STORAGE: Store under cool, dry conditions (below 120°F). Do not store under moist conditions.
PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures, or in such other method as approved under those procedures.
Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed.
CONTAINER HANDLING:
INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE:
Nonrefillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances.
DISPOSAL AUTHORITIES: If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.
For more product information, call toll-free 1-800-883-1844.

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. All such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISENT WITH APPLICABLE LAW, GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISENT WITH APPLICABLE LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

SEDGEHAMMER® is a registered trademark of Gowan Company L.L.C.
Chemtrec® is a registered trademark of American Chemistry Council, Inc.
Product is protected by U.S. Patent No. 4,668,277.

02-R0621EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 24, 2016

Terrie Moore
Regulatory Affairs Manager
Bayer Crop Science
2 T.W. Alexander Drive
RTP, NC 27709

Subject: Label Amendment – Add Spray Drift and Herbicide Resistance Management language
Product Name: Acclaim Extra Herbicide
EPA Registration Number: 432-950
Application Date: April 4, 2016
Decision Number: 515895

Dear Ms. Moore:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

with FIFRA section 6. If you have any questions, please contact Aswathy Balan by phone at 703-347-0510, or via email at balan.aswathy@epa.gov.

Sincerely,

Erik Kraft, Acting Product Manager 24
Fungicide and Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

GROUP	1	HERBICIDE

ACCLAIM®EXTRA HERBICIDE

- **Editorial Note – Marketing claim positioned here**

For postemergence annual and perennial grass control in turfgrass including sod farms, commercial and residential turf, and ornamentals

- **Editorial Note – [Bracketed text] is optional**

ACTIVE INGREDIENT:	
fenoxaprop-p-ethyl: (+)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate ……	6.59%*
OTHER INGREDIENTS:……	93.41%**
TOTAL:	100.00%

EPA Reg. No. 432-950 **EPA Est. No.**

*Equivalent to 0.57 pound of pure fenoxaprop-p-ethyl (d isomer) per gallon
**Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN

CAUTION

See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-331-2867

NET CONTENTS: 1 Pint, 1 Gallon, and 2.5 Gallon

FIRST AID	
If swallowed:	• Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If in eyes:	• Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.

ACCEPTED
08/24/2016
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 432-950

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE)
Applicators and other handlers must wear:
Long-sleeved shirt and long pants, shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor runoff or drift. Do not contaminate arable land and/or water when disposing of equipment washwaters.

PRODUCT INFORMATION

ACCLAIM EXTRA HERBICIDE is a water emulsion formulation containing 0.57 pound of active ingredient per gallon. ACCLAIM EXTRA HERBICIDE is used for postemergence control of annual grass weeds and suppression of some perennial grass weeds in established turfgrass and ornamental species. ACCLAIM EXTRA HERBICIDE does not control broadleaf weeds or sedges.

ACCLAIM EXTRA HERBICIDE is absorbed through the foliage. Thorough coverage is important. Visual injury on the grass weed is evident approximately 4 to 10 days after application (dependent upon environmental conditions) but control of the grass weeds will take 12 to 21 days. Visible effects begin as a chlorosis (yellowing) and/or reddening of the leaf surface followed by death of the weed.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Do not apply until you have read the entire label.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant gloves such as: butyl rubber > 11 mils; or natural rubber > 14 mils; or neoprene rubber > 14 mils; or nitrile rubber > 14 mils, shoes plus socks.

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The uses on commercial and residential turf, ornamentals, and rights-of-way are not within the scope of the WPS. Keep unprotected persons out of treated areas until sprays have dried.

DIRECTIONS FOR USE IN TURFGRASS SPECIES

ACCLAIM EXTRA HERBICIDE can be applied as a broadcast application to all cultivars of the following turfgrass species:

Common Name	Scientific Name
Kentucky bluegrass	*Poa pratensis*
Perennial ryegrass	*Lolium perenne*
Fine fescue	*Festuca rubra*
Tall fescue	*Festuca arundinaceae*
Annual bluegrass	*Poa annua*
Zoysia grass	*Zoysia* spp.
Creeping Bentgrass*	*Agrostis palustris*

*Follow special *Directions For Use On Bentgrass Turf*.

WEED SPECIES CONTROLLED
ACCLAIM EXTRA HERBICIDE will control the following annual grass weeds:

Common Name	Scientific Name
Smooth crabgrass	*Digitaria ischaemum*
Large crabgrass	*Digitaria sanguinalis*
Goosegrass, silver crabgrass	*Eleusine indica*
Barnyardgrass	*Echinochloa crus-galli*
Foxtail species	*Setaria* spp.
Panicum species	*Panicum* spp.
Johnsongrass (seedling)	*Sorghum halepense*
Sandbur	*Cenchrus incertus*
Sprangletop	*Leptochloa* spp.
Japanese Stiltgrass	*Microstegium vimineum*

WEED SPECIES SUPPRESSED
ACCLAIM EXTRA HERBICIDE will temporarily suppress the growth of the following perennial grass weeds:

Common Name	Scientific Name
Common bermudagrass	*Cynodon dactylon*
Johnsongrass (rhizome)	*Sorghum halepense*

ACCLAIM EXTRA HERBICIDE will suppress the growth of common Bermudagrass and rhizome Johnsongrass. Apply ACCLAIM EXTRA HERBICIDE at 20 fl oz/A (0.46 fl oz/1,000 sq ft) as soon as common Bermudagrass or rhizome Johnsongrass begins growth.

Repeat applications of ACCLAIM EXTRA HERBICIDE every 28 to 35 days to continue growth suppression of these species. Do not apply more than a total of 120 fl oz per acre (2.75 fl oz/1,000 sq ft) per year.

RESISTANCE MANAGEMENT

Fenoxaprop-p-ethyl, the active ingredient in Acclaim Extra, is a Group 1 herbicide (Acetyl CoA Carboxylase Inhibitor) based on the mechanism of action classification system of the Weed Science Society of America. Continual use of any herbicide with the same mechanism of action may lead to selection of resistant weed populations and reduction in efficacy. To manage the development and spread of resistant weed populations in turfgrass, use multiple herbicide mechanisms of action in mixture, sequence or rotation. Use herbicides at their full specified label rates for the hardest to control weed species present and in conjunction with sound cultural practices to enhance turfgrass competitiveness. Scout sites early and often to keep weeds under control. Monitor sites after herbicide application to ensure control was achieved and to avoid allowing surviving weeds to reproduce by seed or to proliferate vegetatively. Clean equipment between sites to minimize weed spread.

Contact your local extension specialist and /or Bayer representative for additional resistance management or IPM recommendation. Also for more information on Weed Resistance Management, visit the Herbicide Resistance Action Committee (HRAC) on the web at http://www.hracglobal.com.

APPLICATION INFORMATION

ACCLAIM EXTRA HERBICIDE is a systemic herbicide which controls only grasses which are emerged at the time of spraying. Young, actively growing grass weeds are more easily controlled than larger grass weeds. Use 40-80 gallons of product per acre for thorough coverage. Refer to the following application rate and timing chart for application rates and timing of application. Avoid applications to turfgrass under stress due to lack of moisture, chemical injury or temperature extremes.

SPRAY DRIFT

- Select nozzles and pressure that deliver medium or coarser spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASABE Standard S-572.
- Applicators may spray only when wind speed is between 3 and I0 mph.
- For aerial applications, the maximum release height must be no higher than I0 feet from the top of the crop canopy, unless a greater application height is required for pilot safety.
- For aerial applications, the distance of the outer most nozzles on the boom must not exceed three-fourths of the length of the wingspan or rotor diameter. To further reduce drift, use one-half of the length of the wingspan or rotor diameter at the edge of a field.

ACCLAIM EXTRA HERBICIDE APPLICATION RATE AND TIMING CHART

ANNUAL GRASS WEED GROWTH STAGE	FL OZ/A	FL OZ / 1,000 SQ FT
1-leaf to 2-leaf*	3.5	0.08
Untillered **	9	0.21
Untillered	13	0.30
1-tiller to 2-tiller	20	0.46
3-tiller to 4-tiller	28***	0.64
4-tiller to 5-tiller	39***	0.90

*Apply this rate for use in multiple applications on Bentgrass turf.
**Apply this rate only when tank mixing with pre-emergence herbicides.
***Do not apply more than 28 ounces of product to Kentucky bluegrass or Zoysia grass per application. Do not apply more than 39 ounces of product to tall fescue, fine fescue or annual and perennial ryegrass.

Pressurized Hydraulic Sprayer Application

Apply ACCLAIM EXTRA HERBICIDE by means of a pressurized hydraulic sprayer using 30 to 60 psi and 40 to 80 gal of water per acre (0.9 to 1.4 gal of finished spray/1,000 sq ft). Thorough spray coverage is essential for optimum results. Flat fan nozzles are recommended.

High Volume Handgun Spray Application

If a low pressure (<30 psi), high volume (>60 gpa) handgun type sprayer is utilized, the addition of a surfactant at 32 fl oz/100 gal is recommended. Thorough coverage is essential for optimum results.

Hand-Held Sprayer Application for Spot Treatments

For hand-held pump-type sprayers, add 0.30 to 0.46 fl oz of ACCLAIM EXTRA HERBICIDE /gal of water. Apply 0.30 fl oz of product/gal of water when the grass weed is in the 1 to 4-leaf stage of growth. Apply 0.46 fl oz of product/gal of water when the grass weed has 1 to 2-tillers. Spray target weeds thoroughly to the point of spray deposit runoff. Optimum results occur when spray coverage is thorough. The addition of a surfactant will improve coverage. A dye or colorant may be added to avoid spray pattern overlap.

MIXING DIRECTIONS

ACCLAIM EXTRA HERBICIDE must be thoroughly mixed to ensure adequate weed control. Follow the directions below when preparing spray mixtures.

Broadcast Spray Equipment

Fill the tank with approximately half of the required water and, with the pump or agitator operating, add the required amount of herbicide and continue filling the tank with the remainder of the water. Add surfactant if needed and mix thoroughly before the application is made.

Back pack or Hand-held Spray Equipment
Fill the tank with approximately half of the required water then add the required amount of herbicide to the tank. Replace the cap and agitate by shaking and/or inverting the sprayer. Add the remaining water required and surfactant if needed, then repeat agitation to ensure that the herbicide solution is thoroughly mixed.

MOWING INFORMATION
Do not mow treated areas for at least 24 hours to allow time for penetration and translocation into the grass weeds. The effectiveness of ACCLAIM EXTRA HERBICIDE is reduced when grass clippings interfere with thorough spray coverage of the target weeds.

REPEAT APPLICATION INFORMATION
Repeat applications of ACCLAIM EXTRA HERBICIDE may be required under the following conditions (refer to the Application Rate and Timing Chart for dosages):
(a) Continued grass weed seed germination after the initial application
(b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of target weeds
(c) For suppression of common Bermudagrass and rhizome Johnsongrass
Do not apply more than a total of 120 fl oz of product/A (2.75 fl oz/1,000 sq ft) per year. Avoid applying repeat applications of ACCLAIM EXTRA HERBICIDE sooner than 14 days after the previous application. Repeat ACCLAIM EXTRA HERBICIDE applications must be made only to grass weeds with vigorous growth. If turfgrass stunting occurred with the previous application, avoid applying until turfgrass recovery is complete (unless temporary stunting can be tolerated).

DIRECTIONS FOR USE OF ACCLAIM EXTRA HERBICIDE IN TANK MIXES
ACCLAIM EXTRA HERBICIDE is compatible in tank mixes with many other commonly used herbicides, insecticides, fungicides, and fertilizers. Always follow the use directions in accordance with the respective labels. Compatibility of ACCLAIM EXTRA HERBICIDE and other products must be determined in a jar test as follows:
1. Using a clear glass jar three-quarters full with water.
2. Add the appropriate amount of herbicide in the following order; (a) dry flowable, (b) wettable powder, (c) aqueous suspensions, (d) flowables, (e) liquids and (f) solutions and emulsifiable or liquid concentrates. Shake or gently stir jar after each addition to thoroughly mix.
3. After adding all ingredients, let the mixture stand for 15 minutes and then look for separation, large flakes, precipitates, gels, and heavy oily film on the jar or other signs of incompatibility.
4. If the compatibility test shows signs of incompatibility, do not tank mix the product tested with ACCLAIM EXTRA HERBICIDE.

A. PRE-EMERGENCE RESIDUAL HERBICIDES
A tank mix application of ACCLAIM EXTRA HERBICIDE and residual herbicides may be made to provide residual annual grass control. Apply ACCLAIM EXTRA HERBICIDE at rates of 9.0 - 28 fl oz/A or 0.21 - 0.64 fl oz/1,000 sq ft according to the application rate and timing chart when tank mixing with the following products: Barricade®, bensulide 4E, Dacthal®, Dimension®, Pendimethalin®, Tupersan® and Ronstar® WP.

B. POSTEMERGENCE BROADLEAF HERBICIDES
A tank mix application of ACCLAIM EXTRA HERBICIDE and broadleaf herbicides may be made to provide broadleaf weed and annual grass weed control. Apply after grass weed germination.

Apply ACCLAIM EXTRA HERBICIDE at rates of 9.0 - 39 fl oz/A or 0.21 - 0.90 fl oz/1,000 sq ft according to the application rate and timing chart when tank mixing with the following products: dicamba, Confront®, Turflon®, Amine, and Turflon® Ester.

Apply the 9 oz rate only when tank mixing with pre-emergence products.

Always apply the following tank mixes of ACCLAIM EXTRA HERBICIDE with pendimethalin at 2.5 lbs/A or 0.9 fl oz/1,000 sq ft. Apply before grass weeds tiller at a rate of 28 fl oz/A or 0.64 fl oz/1,000 sq ft.

ACCLAIM EXTRA HERBICIDE tank mixes for control of Bermudagrass in Zoysia grass and Tall fescue:

Tank mixes of ACCLAIM EXTRA HERBICIDE and triclopyr ester may be used to control Bermudagrass in Zoysia grass and tall fescue when used in a treatment program. A tank mixture of ACCLAIM EXTRA HERBICIDE at 20-28 fl oz/A and 16 - 32 oz of triclopyr beginning two weeks prior to the time when Bermudagrass normally becomes evident in Zoysia grass and Tall fescue. For the best results, repeat applications every 4 - 6 weeks for up to 5 applications a season depending on your local conditions. Use the lower rates for uniform populations of Bermudagrass intermixed with the desired turf and higher rates where large Bermudagrass patches are dominant in the turf stand. Do not apply ACCLAIM EXTRA HERBICIDE at more than a total of 120 fl oz/A (2.75 fl oz/1,000 sq ft) per year.

NOTES FOR WEED CONTROL IN TURFGRASSES

1. Stunting and/or chlorosis may occur on succulent, rapidly growing Kentucky bluegrass. Symptoms are temporary and will subside.

2. Adequate soil moisture will enhance the performance of ACCLAIM EXTRA HERBICIDE. Avoid application of ACCLAIM EXTRA HERBICIDE under DROUGHT STRESS conditions. Thorough irrigation one to two days before or within one day after application will be helpful under these conditions.

3. Rainfall or irrigation before pray deposit has dried may cause a reduction in grass control. Allow spray deposit to dry at least one hour before irrigation.

4. ACCLAIM EXTRA HERBICIDE may be applied at no more than 9.0 fl oz/A on Kentucky bluegrass seedlings that have tillered and have been emerged for at least one month. Temporary discoloration and stunting of bluegrass seedlings may occur at this timing. Seedlings will recover, however; and the final bluegrass stand will be improved due to reduced competition from the annual grass weeds. Annual grass weeds must be untillered at the time of application for adequate control. Do not reapply ACCLAIM EXTRA HERBICIDE to previously treated seedling Kentucky bluegrass for at least two months. When utilizing ACCLAIM EXTRA HERBICIDE at rates higher than 9.0 fl oz/A, Kentucky bluegrass seedlings must be at least three growing months old. DO NOT apply ACCLAIM EXTRA HERBICIDE to seedling fine leaf fescue, tall fescue, or perennial ryegrass less than 4 weeks old.

5. Broadleaf herbicides such as 2,4-D or MCPP may reduce the effectiveness of ACCLAIM EXTRA HERBICIDE. Do not apply ACCLAIM EXTRA HERBICIDE within 21 days following a 2,4-D or MCPP application, or 5 days before a 2,4-D or MCPP application.

6. ACCLAIM EXTRA HERBICIDE is a selective grass weed herbicide and has little or no activity on broadleaf plants and sedges.

7. ACCLAIM EXTRA HERBICIDE may be applied to newly plugged Zoysia grass. Fescues and ryegrass may be overseeded immediately following ACCLAIM EXTRA HERBICIDE applications. All other turf species must be overseeded after a 21-day waiting period.

8. DO NOT APPLY this product through any type of irrigation system.

9. DO NOT APPLY ACCLAIM EXTRA HERBICIDE to sod within 4 weeks before cutting for transplanting or within 4 weeks after transplanting.

10. Annual grass weeds that have multiple tillers may require repeat applications.

DIRECTIONS FOR USE ON BENTGRASS TURF

ACCLAIM EXTRA HERBICIDE may be applied only to the following established bentgrass varieties maintained at a minimum cutting height of at least 1/4 inch: Penncross, Penneagle, Pennlinks, J.H. Bent, Southshore, SR 1020, Providence, Putter, Kingstown, Tracenta, Bardot, Egmont, Allure, Seaside, and Colonial. The turf must be established for at least one growing season before ACCLAIM EXTRA HERBICIDE is applied. DO NOT APPLY TO BENTGRASS PUTTING GREENS.

To control crabgrass and goosegrass in bentgrass turf, apply 0.08 fl oz/1,000 sq ft (3.5 fl oz/A). The ACCLAIM EXTRA HERBICIDE applications must be made at 14 to 21-day intervals beginning when annual grass weeds first emerge and are not larger than 2-leaf. Repeat applications throughout the summer as new infestations of 1 to 2 leaf annual grass weeds occur. DO NOT apply more than 10 applications per year. Delay repeat applications to bentgrass turf under stress conditions. Injury may occur when applied during or immediately following periods of prolonged cool and/or moist conditions. Tank mixing with micronutrient mixes containing nitrogen and iron or slow release nitrogen products may alleviate injury symptoms to bentgrass turf. Spray volumes of 100 gal/A (2.30 gal/1,000 sq ft) are suggested for improved bentgrass turf tolerance. DO NOT tank mix ACCLAIM EXTRA HERBICIDE with other pesticides or fertilizers on bentgrass turf except those fungicides listed on this label. The use of a colorant or dye in the spray tank is recommended so that spray pattern overlapping can be avoided.

DIRECTIONS FOR USE IN ORNAMENTALS

ACCLAIM EXTRA HERBICIDE can be applied for control of grass weeds in a wide range of established ornamental species. Plant tolerance may vary according to environmental conditions. Determine tolerance prior to extensive use.

ACCLAIM EXTRA HERBICIDE may be applied as a broadcast spray in the following plantings:

DECIDUOUS AND EVERGREEN TREES AND SHRUBS

Common Name	Scientific Name
Azalea	*Rhododendron*
Barberry	*Berbis*
Boxwood, Korean	*Buxus*
Cotoneaster	*Cotoneaster*
Dogwood, flowering	*Cornus*
English Ivy	*Hedera*
Euonymus	*Euonymus*
False Cypress	*Chamaecyparis*
Firethorn	*Pyracantha*
Forsythia	*Forsythia*
Hawthorn	*Crataegus*

Holly, American	*Ilex*
Holly, Japanese	*Ilex*
Holly, meservae	*Ilex*
Hydrangea	*Hydrangea*
Juniper, Blue Rug	*Juniperus*
Juniper, Dwarf Shore	*Juniperus*
Juniper, Parsonii	*Juniperus*
Juniper, San Jose	*Juniperus*
Juniper, Wiltoni	*Juniperus*
Magnolia	*Magnolia*
Maple, Japanese	*Acer*
Maple, Red	*Acer*
Nandina	*Nandina*
Oleander	*Nerium*
Periwinkle	*Vinca*
Photinia	*Photinia*
Pine, White	*Pinus*
Privet	*Ligustrum*
Rhododendron	*Rhododendron*
Rose	*Rosa*
Viburnum	*Viburnum*
Weigela	*Weigela*
Willow	*Salix*
Yew	*Taxus*

HERBACEOUS & FLOWERING PLANTS

Common Name	Scientific Name	Common Name	Scientific Name	Common Name	Scientific Name
African Daisy	*Osteospermum*	Dames Rocket	*Hesperis*	Prairie Coneflower	*Ratibida*
Ajuga	*Ajuga*	Dwarf Columbine	*Aquilegia*	Red Yarrow	*Achillea*
Astilbe	*Astilbe*	Dwarf Cornflower	*Centaurea*	Rocket Larkspur	*Delphinium*
Baby Blue Eyes	*Nemophila*	English Wallflower	*Erysimum*	Rocky Mt. Penstemon	*Penstemon*
Baby's Breath	*Gypsophila*	Forget-Me-Not	*Myosotis*	Roman Chamomile	*Matricaria*
Begonia	*Begonia*	Forget-Me-Not	*Anchusa*	Scarlet Flax	*Linum*
Bellflower	*Campanula*	Gaillardia	*Gaillardia*	Siberian Wallflower	*Erysimum*
Black-Eyed Susan	*Rudbeckia*	Garland Chrysanthemum	*Chrysanthemum*	Small Burnet	*Sanguisorba*
Bleeding Heart	*Dicentra*	Gazania	*Gazania*	Snapdragon	*Antirrhinum*
Blue Bells	*Mertensia*	Geranium	*Pelargonium*	Snow-in-Summer	*Cerastium*
Blue Flax	*Lobelia*	Gilia	*Gilia*	Soapwort	*Saponaria*
California Poppy	*Eschscholzia*	Hosta	*Hosta*	Spurred Snapdragon	*Antirrhinum*
Candytuft	*Iberis*	Iris	*Iris*	Starflower	*Trientalis*
Catchfly	*Silene*	Leopards-Bane	*Doronicum*	Statice, Annual	*Statice*
Chrysanthemum	*Chrysanthemum*	Liatris	*Liatris*	Sweet Alyssum	*Lobulari*
Coleus	*Coleus*	Lily, day	*Hemerocallis*	Sweet William	*Dianthus*
Columbine	*Aquilegia*	Liriope	*Liriope*	Tall Primrose	*Oenothera*
Coneflower, Purple	*Echinacea*	Maiden Pinks	*Dianthus*	Tall Godetia	*Godetia*
Coreopsis	*Coreopsis*	Missouri Primrose	*Oenothera*	Tidy Tips	*Layia*
Corn Poppy	*Papaver*	Mountain Phlox	*Phloxhera*	White Yarrow	*Achillea*
Cosmos	*Cosmos*	Peony	*Peony*	Wild Thyme	*Thymus*
Creeping Zinnia	*Sanvitalia*	Periwinkle, annual	*Vinca*	Zinnia	*Zinnia*
Daisy, Shasta	*Chrysanthemum*	Pimpernel	*Anagallis*		

Applications of ACCLAIM EXTRA HERBICIDE in the culture of the following ornamental plants will result in phytotoxicity:

Common Name	Scientific Name
Juniper, Barharbor	*Juniperus*
Philodendron	*Philodendron*
Salvia	*Salvia*
Podocarpus	*Podocarpus*
Pittosporum	*Pittosporum*

WEED SPECIES CONTROLLED
ACCLAIM EXTRA HERBICIDE will control the following annual grass weeds:

Common Name	Scientific Name
Smooth Crabgrass	*Digitaria ischaemum*
Hairy Crabgrass	*Digitaria sanguinalis*
Goosegrass, Silver Crabgrass	*Eleusine indica*
Barnyardgrass	*Echinochloa crus-galli*
Foxtail Species	*Setaria* spp.
Panicum Species	*Panicum* spp.
Johnsongrass (seedlings)	*Sorghum halepense*
Sandbur	*Cenchrus incertus*
Sprangletop	*Leptochloa* spp.

WEED SPECIES SUPPRESSED
ACCLAIM EXTRA HERBICIDE will temporarily suppress the growth of the following perennial grass weeds:

Common Name	Scientific Name
Common Bermudagrass	*Cynodon dactylon*
Johnsongrass (rhizome)	*Sorghum halepense*

ACCLAIM EXTRA HERBICIDE will suppress the growth of common Bermudagrass and rhizome Johnsongrass. Apply ACCLAIM EXTRA HERBICIDE at 20 fl oz/A (0.46 fl oz/1,000 sq ft) as soon as common Bermudagrass or rhizome Johnsongrass begins growth. Repeat applications of ACCLAIM EXTRA HERBICIDE every 28 to 35 days (never sooner than 14 days) to continue growth suppression of these species.

APPLICATION INFORMATION

ACCLAIM EXTRA HERBICIDE only controls grasses which are emerged at the time of spraying. Young, actively growing grass weeds are more easily controlled than larger grass weeds. Refer to the following application rate and timing chart for dosages. Avoid applications to ornamentals under stress due to lack of moisture, chemical injury or temperature extremes.

ACCLAIM EXTRA HERBICIDE APPLICATION RATE AND TIMING CHART		
Annual Grass Weed Growth Stage	**fl oz/ Acre**	**fl oz/1,000 sq ft**
Untillered	13	0.30
1 tiller to 2 tiller	20	0.46
3 tiller to 4 tiller	28	0.64
4 tiller to 5 tiller	39	0.90

Pressurized Hydraulic Sprayer Application
Apply ACCLAIM EXTRA HERBICIDE by means of a pressurized hydraulic sprayer using 30 to 60 psi and 40 to 80 gallons of water per acre (0.7 to 1.4 gal of finished spray per 1,000 sq ft). Thorough spray coverage is essential for optimum results. Flat fan nozzles are recommended.

High Volume Handgun Spray Application
If a low pressure (<30 psi), high volume (>60 gpa) handgun type sprayer is utilized, the addition of a surfactant at 32 fl oz/100 gal is recommended. Thorough coverage is essential for optimum results.

Hand-Held Sprayer Application for Spot Treatments
For hand-held pump-type sprayers, add 0.30 to 0.46 fl oz of ACCLAIM EXTRA HERBICIDE per gallon of water. Apply the lower rate when grass weeds have less than two tillers. Spray target weeds thoroughly to the point of spray deposit runoff. Optimum results occur when spray coverage is thorough. The addition of a surfactant will improve coverage. A dye or colorant may be added to avoid spray pattern overlap.

REPEAT APPLICATION INFORMATION

Repeat applications of ACCLAIM EXTRA HERBICIDE may be required under the following conditions (refer to the Application Rate and Timing Chart for dosages):

(a) Continued grass weed seed germination after the initial application.
(b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of target weeds.
(c) For suppression of common Bermudagrass, repeat applications of ACCLAIM EXTRA HERBICIDE may be necessary to retard new growth.
(d) For suppression of rhizome Johnsongrass, apply ACCLAIM EXTRA HERBICIDE when the Johnsongrass is 24 to 60 inches tall. For best results, do not apply within 3 weeks following a mowing. Mowing immediately after the application may reduce the effectiveness of the ACCLAIM EXTRA HERBICIDE treatment.

Do not apply more than a total of 120 fl oz/A (2.75 fl oz/1,000 sq ft) per year. Apply ACCLAIM EXTRA HERBICIDE at 20 fl oz/A (0.46 fl oz/1,000 sq ft) as soon as common Bermudagrass or rhizome Johnsongrass begins growth. Repeat applications of ACCLAIM EXTRA HERBICIDE every 28 to 35 days (never sooner than 14 days) to continue growth suppression of these species. Repeat ACCLAIM EXTRA HERBICIDE applications must be made only to grass weeds with vigorous growth. If stunting or injury occurred with the previous application, avoid applying until turfgrass recovery is complete (unless temporary stunting can be tolerated).

NOTES FOR WEED CONTROL IN ORNAMENTALS

1. Stunting and/or chlorosis may occur on succulent, rapidly growing ornamentals. Symptoms are temporary and will subside.
2. Adequate soil moisture will enhance the performance of ACCLAIM EXTRA HERBICIDE. Avoid application of ACCLAIM EXTRA HERBICIDE under DROUGHT STRESS conditions. Thorough irrigation one to two days before or within one day after application will be helpful under these conditions. Rainfall or irrigation within one hour of application may cause a reduction in grass control. Allow spray deposit to dry before irrigation.
3. DO NOT APPLY this product through any type of irrigation system.

DIRECTIONS FOR USE IN RIGHTS-OF-WAY

ACCLAIM EXTRA HERBICIDE can be applied to all cultivars of the following cool season grass species:

Common Name	**Scientific Name**
Smooth Brome	*Bromus inermis*
Perennial Ryegrass	*Lolium perenne*
Fine Fescue	*Festuca rubra* spp.
Tall Fescue	*Festuca arundinaceae*
Common Bermudagrass	*Cynodon dactylon*
Wheatgrass	*Agropyron* spp.

ACCLAIM EXTRA HERBICIDE can be applied alone postemergence to established wildflower species as a broadcast spray for control of grass weeds in the following:

WILDFLOWER SPECIES	
Common Name	**Scientific Name**
African Daisy	*Dimorphotheca*
Annual Indian Blanket	*Gaillardia*
Baby Blue Eyes	*Nemophila*
Baby's Breath	*Gypsophila*
Birds Eyes	*Gilia*
Black-Eyed Susan	*Rudbeckia*
Blue Bells	*Mertensia*
Blue Flax	*Linum*
California Poppy	*Eschscholzia*
Catchfly	*Silene*
Cosmos	*Cosmos*
Creeping Zinnia	*Sanvitalia*
Dames Rocket	*Hesperis*
Dwarf Columbine	*Aquilegia*
Dwarf Cornflower	*Centaurea*
Dwarf Lance Leafed Coreopsis	*Coreopsis*
English Wallflower	*Cheiranthus*
Forget-Me-Not	*Anchusa*
Garland Chrysanthemums	*Chrysanthemum*
Gilia	*Gilia*
Globe Gilia	*Gilia*
Johnny Jump Up	*Viola*
Lemon Mint	*Monarda*
Maiden Pinks	*Dianthus*
Missouri Primrose	*Oenothera*
Mountain Phlox	*Phlox*
Pimpernel	*Anagallis*
Prairie Coneflower	*Ratibida*
Purple Coneflower	*Echinace*
Red Yarrow	*Achillea*
Rocket Larkspur	*Delphinium*
Rocky Mountain Penstemon	*Penstemon*
Roman Chamomile	*Matricaria*
Scarlet Flax	*Linum*
Siberian Wallflower	*Erysimum*
Small Burnet	*Sanguisorba*

Soapwort	*Saponaria*
Spurred Snapdragon	*Linaria*
Starflower	*Trientalis*
Sweet Allyssum	*Lobularia*
Sweet Williams	*Dianthus*
Tall Evening Primrose	*Oenothera*
Tall Godetia	*Godetia*
Tall Plains Coreopsis	*Coreopsis*
Tidy Tips	*Layia*
White Yarrow	*Achillea*
Wild Thyme	*Thymus*

ESTABLISHED DESIRABLE NATIVE GRASSES

Common Name	Scientific Name
Big Bluestem	*Andropogon*
Blue Grama	*Bouteloua*
Little Bluestem	*Andropogon*
Sideoats Grama	*Bouteloua*

ACCLAIM EXTRA HERBICIDE will control the following grass weeds:

Common Name	Scientific Name
Smooth Crabgrass	*Digitaria ischaemum*
Hairy Crabgrass	*Digitaria sanguinalis*
Goosegrass/Silver Crabgrass	*Eleusine indica*
Barnyardgrass	*Echinochloa crus-galli*
Foxtail Species	*Setaria* spp.
Panicum Species	*Panicum* spp.
Johnsongrass	*Sorghum halepense*
Wild Oats	*Avena fatua*
Roughstalk Bluegrass	*Poa trivialis*
Sandbur	*Cenchrus incertus*
Shattercane	*Sorghum bicolor*
Japanese Stiltgrass	*Microstegium Vimineum*

APPLICATION INFORMATION

ACCLAIM EXTRA HERBICIDE controls only grasses that have emerged at the time of spraying. Young, actively growing grassy weeds are more easily controlled than the larger grass weeds. Refer to the following application rate and timing chart for dosages. Avoid applications to grass under drought stress.

ACCLAIM EXTRA HERBICIDE USE RATES PER ACRE

Grass Weed Growth Stage	fl oz/A	Pints/A
ANNUAL GRASSES		
1 Tiller	16	1.00
2 Tillers	20	1.25
4 Tillers	28	1.75
5 Tillers	39	2.44
Grass Weed Growth Stage	**fl oz/100 Gal**	**Pints/100 Gal**
SEEDLING JOHNSONGRASS		
Up to 12 inches	16	1.00
12 to 24 inches	20	1.25
RHIZOME JOHNSONGRASS		
Up to 12 inches	28	1.75
24 to 60 inches	39	2.44
Repeat Applications		
Up to 12 inches	11	0.69
2 to 24 inches	24	1.50
24 to 60 inches	39	2.44

Spray Application for Rights-of-Way
Apply with ground equipment using 30 to 100 gal of water/A and 30 to 60 psi of water to uniformly cover the vegetation in the area to be treated. Use a fixed boom, off-center nozzles or boomless straight stream nozzles properly calibrated to a constant speed of travel and rate of delivery. Allow mowed areas to regrow for at least 14 days before applying ACCLAIM EXTRA HERBICIDE.

Spray Application for Spot Treatments
Add 40 fl oz of ACCLAIM EXTRA HERBICIDE per 100 gal of water and spray target weed thoroughly to the point of spray deposit runoff. Optimum results occur when spray pressure is sufficient to provide retention of spray deposit on target weed.

DIRECTIONS FOR USE OF ACCLAIM EXTRA HERBICIDE IN TANK MIXES

For improved turfgrass tolerance and improved annual grass and Johnsongrass control, a tank mix of ACCLAIM EXTRA HERBICIDE and Fusilade® 2000 Herbicide may be applied on roadside rights-of-way. For best results, ACCLAIM EXTRA HERBICIDE must be applied at 7 fl oz/A and Fusilade® 2000 Herbicide must be applied at 12 to 14 fl oz/A. When utilizing this tank mix, the annual grasses must be 1 leaf to 2 tillers in size; the rhizome Johnsongrass must be 10 to 25 inches in size. Crop oil concentrate must be added to this tank mix at 1% v/v (1 qt/25 gal of spray solution).

REPEAT APPLICATION INFORMATION
Repeat applications of ACCLAIM EXTRA HERBICIDE may be required under the following conditions (refer to Application Rate And Timing Chart for dosages):

(a) Continued grass weed seed germination after the initial application.
(b) When dense populations of weeds prevent thorough spray coverage of the entire leaf surface of the target weeds.

Do not apply more than a total of 120 fl oz/A (2.75 fl oz/1,000 sq ft) per year. Avoid applying a second application of ACCLAIM EXTRA HERBICIDE sooner than 14 days after the first application. A second ACCLAIM EXTRA HERBICIDE application must only be made to grass weeds with vigorous regrowth.

SURFACTANTS AND CROP OILS
The addition of a nonionic surfactant or paraffin-based crop oil at a rate of 32 fl oz/100 gal of spray solution is prescribed for spray volumes between 30 and 100 gal/A. Thorough spray coverage is extremely important for optimum results.

NOTES FOR WEED CONTROL IN RIGHTS-OF-WAY
1. Adequate soil moisture will enhance the performance of ACCLAIM EXTRA HERBICIDE. Reduced control may occur with ACCLAIM EXTRA HERBICIDE applied under DROUGHT STRESS conditions.
2. Rainfall within one hour following application may cause a reduction in grass control.
3. Broadleaf herbicides containing 2,4-D will reduce the effectiveness of ACCLAIM EXTRA HERBICIDE . Tank mixes with Telar3, Escort3, or Garlon4 are recommended. Do not apply ACCLAIM EXTRA HERBICIDE 5 days before a 2,4-D application or within 21 days following a 2,4-D application. DO NOT TANK MIX with any herbicides when applying ACCLAIM EXTRA HERBICIDE to wildflower species.
4. ACCLAIM EXTRA HERBICIDE is a selective grass weed herbicide and has little or no activity on broadleaf plants or sedges.
5. Fescues and ryegrass may be overseeded immediately following ACCLAIM EXTRA HERBICIDE applications. All other grass species must be overseeded after a 21-day waiting period.
6. Applications to Bermudagrass may result in temporary injury. Bermudagrass must be well established at the time of application, or severe injury may result.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)
Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)
Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate
becomes clear. Replace the lid and close bottom valve.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)
Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners
Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Non-Seed Treatment Products in Non-Refillable Foil outer pouches of Water soluble Packets (WSP)
Offer foil pouch for recycling if available or dispose of empty pouch in the trash as long as WSP is unbroken.

Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons

PLASTIC CONTAINERS:
Non refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

LIQUID Dilutable formulations:
Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

SOLID Dilutable formulations:
Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Non-Seed Treatment Products in Non-Rigid, Non-refillable Containers = BAGS
Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for

recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

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Trademark Information
Barricade® is a registered trademark of Syngenta.
Dacthal® is a registered trademark of AMVAC Chemical Corporation.
Tupersan® is a registered trademark of Griffin.
Dimension®, Confront®, and Turflon® are registered trademarks of Dow AgroSciences.
Acclaim®, Chipco® and Ronstar® are registered trademarks of Bayer.

PRODUCED FOR

Bayer Environmental Science

Bayer Environmental Science
A Division of Bayer CropScience LP
PO Box 12014, 2 T. W. Alexander Drive
Research Triangle Park, NC 27709

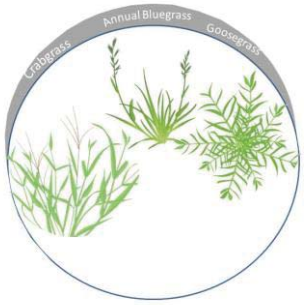
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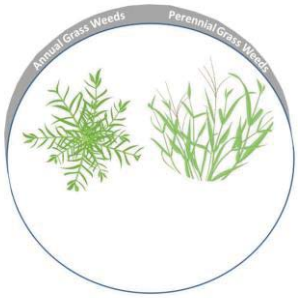
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MESOTRIONE	GROUP	27	HERBICIDE

Tenacity®

Herbicide

An herbicide for the selective contact and residual control of weeds in ornamental turfgrasses

Active Ingredient:	
Mesotrione*	40.0%
Other Ingredients:	60.0%
Total:	100.0%

Tenacity is formulated as a suspension concentrate and contains 4 lb of mesotrione per gallon.

*CAS No. 104206-82-8

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside attached booklet.

EPA Reg. No. 100-1267
EPA Est. 100-NE-001^{MHA}
EPA Est. 11773-IA-01^{VWC}

Superscript is first three letters of batch code on container.

SCP 1267A-L1D 0922

1 gallon

Net Contents

syngenta®

FIRST AID	
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • **DO NOT** induce vomiting unless told to do so by the poison control center or doctor. • **DO NOT** give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14mils, nitrile rubber ≥ 14mils, neoprene rubber ≥ 14mils, natural rubber ≥ 14mils, polyethylene, polyvinyl chloride (PVC) ≥ 14mils, or Viton™≥ 14mils

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment wash water or rinsate.

continued...

PRECAUTIONARY STATEMENTS *(continued)*

Non-Target Organism Advisory

This product is toxic to plants and may adversely impact the forage habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

Groundwater Advisory

Mesotrione is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application.

A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading for mesotrione from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Physical and Chemical Hazards

DO NOT use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with labeling.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥14mils, nitrile rubber ≥14mils, neoprene rubber ≥14mils, natural rubber ≥14mils, polyethylene, polyvinyl chloride (PVC) ≥14mils, or Viton ≥14mils

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

DO NOT enter treated areas without protective clothing until sprays have dried.

USE INFORMATION

Tenacity is a systemic preemergence and postemergence herbicide for the selective contact and residual control of weeds in turfgrasses. When applied preemergence, weeds absorb Tenacity during emergence from the soil. Dry conditions following application may reduce the preemergence activity. If rainfall (0.15 inches) has not occurred within 10 days after a preemergence application, activate with 0.15 inches of irrigation. When used postemergence, susceptible weeds absorb Tenacity through foliar contact and soil absorption. Foliage of treated weeds cease growth after application, then turn white (loss of chlorophyll) and death may take up to three weeks. A repeat application is required after two to three weeks for improved postemergence weed control. For best results, add a non-ionic surfactant for postemergence applications.

Tenacity may cause temporary whitening of turfgrass foliage. Symptoms appear five to seven days after application and last for several weeks. A repeat application to the same site causes less whitening of the plant tissue.

Tenacity is an effective herbicide for weed control prior to or during seeding of certain turfgrasses during turf renovation (see section on use in **New Seedings**). If used preemergence in established turf, tank mixtures with preemergence herbicides including Barricade® 65WG Herbicide (prodiamine; EPA Reg No. 100-834) are advised for longer residual and broad spectrum weed control.

USE PRECAUTIONS

- Bentgrass, *Poa annua*, kikuyugrass, zoysiagrass, seashore paspalum and bermudagrass are sensitive to Tenacity applications. Avoid spraying these turf types unless control and/or injury can be tolerated. Maintain a five foot buffer between treated areas and bentgrass or *Poa annua* greens.
- Clean sprayer thoroughly after an application of Tenacity if same equipment is used to apply products to bentgrass and bentgrass/*Poa annua* turf areas.
- To reduce movement into sensitive species (e.g. bentgrass), keep people and pets off treated areas until spray has dried and irrigate lightly to move product from turf foliage before resuming normal irrigation.
- Avoid over-spray or drift of spray applications onto ornamentals or flower beds and gardens. Roses and daylilies are sensitive plant species.
- Avoid applications over the top of exposed roots of trees and ornamentals.

USE RESTRICTIONS

- **DO NOT** apply more than 8 fl oz (0.25 lb mesotrione) of Tenacity per acre in a single application.
- **DO NOT** apply more than 16 fl oz (0.50 lb mesotrione) of Tenacity per acre per year (i.e. 2 applications at the maximum single application rate).
- Wait a minimum of 14 days before retreating.
- **DO NOT** plant any crop other than turfgrass species for 18 months after the last application of Tenacity or injury may occur.
- **DO NOT** apply an organophosphate or carbamate insecticide within seven days of a Tenacity application as turf injury may occur.
- **DO NOT** apply through any type of irrigation system.
- **DO NOT** apply aerially.
- **DO NOT** use grass clippings from treated turf as mulch around trees or in vegetable/flower gardens.
- **DO NOT** use on golf course putting greens and maintain a five foot buffer between treated areas and putting greens.

TANK MIXTURES

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, limitations, and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

- Tenacity has been tested in tank mixtures with Barricade 65WG Herbicide (prodiamine, EPA Reg. No. 100-834), dicamba, Turflon® Ester (triclopyr, EPA Reg. No. 62719-258), Quicksilver™ Herbicide (carfentrazone, EPA Reg. No. 279-3301), Basagran® (bentazon, EPA Reg. No.66330-413), Princep® (simazine, EPA Reg. No. 100-526), AAtrex® (atrazine, EPA Reg. No. 100-497 and 100-585), and metribuzin for safety and efficacy on turfgrasses. Other tank mixture partners may be safe but have not been tested. Turf managers wanting to tank mix Tenacity with other herbicides are advised to test on a small basis for compatibility, safety and efficacy before treating large areas.

MANDATORY SPRAY DRIFT MANAGEMENT

Groundboom Applications:

- Do not release spray at a height greater than 3 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Boomless Ground Applications:

- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the turf and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Handheld Technology Applications

- Take precautions to minimize spray drift.

USE SITES

Tenacity may be used for weed control in turfgrass species listed on this label in commercial and residential sites. Use sites include non-crop areas: golf courses, sod farms, athletic fields, parks, residential and commercial properties, cemeteries, airports, and lawns.

TURFGRASS SPECIES

Tenacity has been tested on these species and found to be safe under trial conditions.

Species		Rate per Acre	Rate (lb ai/A)
Kentucky bluegrass	*Poa pratensis*	5-8 fl oz	0.156-0.25
Centipedegrass	*Eremochloa ophiuroides*	5-8 fl oz	0.156-0.25
Buffalograss	*Buchloe dactyloides*	5-8 fl oz	0.156-0.25
Tall fescue	*Festuca arundinacea*	5-8 fl oz	0.156-0.25
Perennial ryegrass*	*Lolium perenne*	5 fl oz	0.156
Fine fescue* (creeping red, chewings and hard)	*Festuca* spp.	5 fl oz	0.156
St. Augustinegrass* (grown for sod)	*Stenotaphrum secundatum*	4 fl oz	0.125

*See additional rate instructions below.

WEED RESISTANCE MANAGEMENT

MESOTRIONE	GROUP	27	HERBICIDE

Tenacity is a Group 27 Herbicide (active ingredient is mesotrione, a HPPD inhibitor). Naturally occurring biotypes of certain broadleaf weed species with resistance to triazines, glyphosate, PPO, HPPD and ALS inhibiting herbicides are known to exist.

To help prevent the development of resistance, **DO NOT** apply less than the label specifies and rotate to an herbicide with a different mode of action if the maximum number of applications or rate of product has been met or weeds are not being controlled.

Principles of Herbicide Resistant Weed Management

Scout and know your turf

- Know weed species present in the field to be treated through scouting and field history. An understanding of weed biology is useful in designing a resistance management strategy. Ensure the weed management program will control all weeds present.
- Turf should be scouted prior to application to determine species present and growth stage. Always apply this herbicide at the labelled rate and correct timing for the weeds present in the turf.

Use good agronomic practices, start clean and stay clean

- Use good agronomic practices that enhance turf competitiveness.
- Plant into weed-free fields utilizing tillage or an effective burndown herbicide for control of emerged weeds.
- Sanitize equipment to avoid spreading seed or vegetative propagules prior to leaving fields.

Difficult to control weeds

- Difficult to control weeds may require sequential applications, such as a broad spectrum preemergence herbicide followed by one or more postemergence herbicide applications. Utilize herbicides containing different modes of action effective on the target weeds in sequential applications.

Do not overuse the technology

- Do not use more than two applications of this or any other herbicide with the same mode of action in a single growing season unless mixed with an herbicide with a different mode of action which provides overlapping spectrum for difficult to control weeds.

Scout and inspect turf following application

- Prevent an influx of weeds into the field by controlling weeds in areas surrounding turf.
- Scout fields after application to verify that the treatment was effective.
- Suspected herbicide resistant weeds may be identified by these indicators
  - o Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds.
  - o A spreading patch of non-controlled plants of a particular weed species; and
  - o Surviving plants mixed with controlled individuals of the same species.
  - o Report non-performance of this product to your Syngenta retailer, Syngenta representative, or call 1-866-Syngent(a) (866-796-4368). If resistance is suspected ensure weed escapes are controlled using an herbicide with an effective mode of action and/or use non-chemical means to prevent further seed production.

Prevent weed escapes

- Do not allow weed escapes to produce seed or vegetative structures such as tubers or stolons which contribute to spread and survival.

Resistant Weeds

- Contact your local Syngenta representative, retailer, crop advisor or extension agent to determine if weeds resistant to modes of action contained in this product are present in your area.
- Do not assume that each listed weed is being controlled by multiple modes of action. Premixes are intended to broaden the spectrum of weeds that are controlled. Some weeds may be controlled by only one of the active ingredients in this product.
- If resistant biotypes have been reported, use the full labeled rate of this product, apply at the labeled timing, and tank-mix with an additional different mode of action product so there are multiple effective modes of application for each suspected resistant weed.

WEEDS CONTROLLED

Common Name	Scientific Name	Preemergence[1]	Postemergence[2]
Barnyardgrass	*Echinochloa crusgalli*	Y	Y
Bentgrass, Creeping	*Agrostis stolonifera*	Y	Y
Bluegrass, Annual	*Poa annua*	Suppression	N
Buckhorn Plantain	*Plantago lanceolata*	Y	Y
Buttercup	*Ranunculus sardous*	-[3]	Y
Carpetweed	*Mollugo verticillata*	Y	Y
Chickweed, Common	*Stellaria media*	Y	Y
Chickweed, Mouseear	*Cerastium vulgatum*	Y	Y
Clover, Large Hop	*Trifolium aureum*	Y	Y
Clover, White	*Trifolium repens*	Y	Y
Crabgrass, Large	*Digitaria sanguinalis*	Y	Y[4]
Crabgrass, Smooth	*Digitaria ischaemum*	Y	Y[4]
Crabgrass, Southern	*Digitaria ciliaris*	Y	Y[4]
Curly dock	*Rumex crispus*	-	Y
Dandelion, Catsear	*Hypochoeris radicata*	-	Y
Dandelion, Common	*Taraxacum officinale*	-	Y
Florida Betony	*Stachys floridana*	-	Y
Florida Pusley	*Richardia scabra*	-	Y
Foxtail, Yellow	*Setaria glauca*	Y	Y
Galinsoga	*Galinsoga ciliata*	Y	Y
Goosegrass	*Eleusine indica*	-	Y[4]
Ground Ivy	*Glechoma hederacea*	-	Y
Healall	*Prunella vulgaris*	-	Y
Henbit	*Lamium amplexicaule*	-	Y
Lambsquarters, Common	*Chenopodium album*	Y	Y
Lawn Burweed	*Soliva sessilis*	-	Y
Lovegrass, Tufted	*Eragrostis pectinacea*	-	Y
Marestail	*Conyza canadensis*	-	Y
Lovegrass, Tufted	*Eragrostis pectinacea*	-	Y
Marestail	*Conyza canadensis*	-	Y
Nimblewill	*Muhlenbergia schreberi*	-	Y
Nutsedge, Yellow	*Cyperus esculentus*	-	Y
Oxalis	*Oxalis stricta*	-	Y
Pigweed, Redroot	*Amaranthus retroflexus*	Y	Y
Pigweed, Smooth	*Amaranthus hybridus*	Y	Y
Purslane, Common	*Portulaca oleracea*	Y	Y
Shepherd's purse	*Capsella bursa-pastoris*	Y	Y
Smartweed, Pale	*Polygonum lapathifolium*	Y	Y
Smartweed, Pennsylvania	*Polygonum pensylvanicum*	Y	Y
Speedwell, Persian	*Veronica persica*	Y	-
Speedwell, Purslane	*Veronica peregrina*	Y	-
Sowthistle	*Sonchus oleraceus*	-	Y
Swinecress	*Coronopus didymus*	-	Y
Thistle, Canada	*Cirsium arvense*	-	Y
Verbena	*Verbena hastata*	-	Y
Wild Carrot	*Daucus carota*	Y	Y
Wild Violet	*Viola pratincola*	-	Y
Windmillgrass	*Chloris verticillata*	-	Y

[1]For broad spectrum preemergence activity apply with a grass preemergence herbicide such as Barricade 65WG Herbicide (prodiamine, EPA Reg. No. 100-834), except when used for weed control in new seedings.

[2]Weed control with postemergence applications require a second application after 2 to 3 weeks. Apply to young, actively growing weeds with a NIS type surfactant.

[3]"–" Not tested.

[4]For best postemergence control, apply to less than 4 tiller crabgrass and goosegrass.

APPLICATION INFORMATION

Please read and understand the USE PRECAUTIONS AND RESTRICTIONS under the USE INFORMATION section above prior to making applications.

Preemergence Application - Apply Tenacity at 4-8 fl oz per acre (0.125-0.25 lb ai/A) in at least 30 gallons of water per acre prior to weed seed germination. **DO NOT** exceed 5 fl oz per acre (0.156 lb ai/A) per application to perennial ryegrass or fine fescues or mixed stands that contain greater than 50% perennial ryegrass and/or fine fescue. **DO NOT** exceed 4 fl oz per acre (0.125 lb ai/A) to St. Augustinegrass sod. Make application close to anticipated weed seed germination. Tenacity should be combined with a preemergence herbicide such as Barricade 65WG Herbicide (prodiamine, EPA Reg. No. 100-834), for extended control of key annual monocot weeds including crabgrass and foxtail.

New Seedings/New Lawn Establishment – Apply Tenacity at 5-8 fl oz per acre (0.156-0.25 lb ai/A) in at least 30 gallons of water per acre prior to seeding or post seeding of tolerant turfgrass species listed on this label, **except fine fescue**. Tenacity may reduce density of fine fescue seedings. Tenacity can be used on grass seed blends that contain less than 20% by weight of hard or fine fescue. Tenacity will control many monocot and dicot weeds that compete with and slow the establishment of the turfgrass stands. Apply at grass seeding or close to seeding for best performance. Avoid spraying on newly germinated turfgrass plants. Wait until the newly germinated turf has been mowed two times or four weeks after emergence (whichever is longer) before making a postemergence application.

Postemergence Application – Apply Tenacity at 4-8 fl oz per acre (0.125-0.25 lb ai/A) in at least 30 gallons of water per acre. Apply with a NIS type surfactant. A repeat application at two to three weeks may be required for adequate weed control. Weed control is most effective on young, actively growing weeds. Efficacy will be reduced under moisture stress or from applications to mature weeds.

Control of bentgrass (*Agrostis* spp.) and nimblewill (*Muhlenbergia schreberi*) – Apply Tenacity at 5 fl oz per acre (0.156 lb ai/A) in at least 30 gallons of water per acre at two to three week interval for up to three applications. Apply with a NIS surfactant. Bentgrass control may be more effective in the late summer/early fall just prior to onset of renewed bentgrass growth, than spring/early summer applications.

St. Augustinegrass (sod uses only) and Centipedegrass, if Tenacity is tank mixed with AAtrex (atrazine) or Princep (simazine) **DO NOT** exceed 4 fl oz of Tenacity and 0.5 lb active ingredient per acre of atrazine or simazine. Apply combination to established turf only. See AAtrex and Princep labels for restrictions.

Dormant bermudagrass applications only – Apply Tenacity at 5 fl oz/A (0.156 lb ai/A) to control winter weeds (listed in the **WEEDS CONTROLLED** Table) on dormant bermudagrass. Repeat application in 2 to 3 weeks. Applications made to semi-dormant turf will cause whitening of the bermudagrass.

For Use Only in the State of Florida - For control of goosegrass on bermudagrass athletic fields and golf courses (except greens), apply Tenacity (mesotrione, EPA Reg. No. 100-1267; 5 to 8 fl oz/A (0.156 to 0.25 lb ai/A)) + Princep Liquid (simazine, EPA Reg. No. 100-526;15 to 25 fl oz/A (0.47 to 0.78 lb ai/A)) followed two weeks later by Tenacity (5 to 8 floz/A) + Princep Liquid (15 to 25 fl oz/A) + Pennant Magnum® (s-metolachlor, EPA Reg. No. 100-950; 20.8 fl oz/A (1.24 lb ai/A)). Application may be applied during spring, mid-summer or early fall. Use higher rates on larger weeds or heavy infestation. Apply mixtures in 40 to 60 gallons of water per 1,000 sq ft with flat-fan nozzles producing medium to coarse droplets. Add a non-ionic surfactant at 0.25% v/v of final spray solution. These treatments induce mild to moderate phytotoxicity in 'Tifway 419' hybrid bermudagrass. Full recovery typically occurs within 7 to 14 days after application, but the severity and recovery time vary based on turf conditions and environmental factors. Certain common bermudagrass varieties (including Sahara, Vamont, Yukon, and Mohawk) and zoysiagrasses are very sensitive to the mixture of Tenacity + Princep. Before applying on a large scale, test the mixture in an inconspicuous location to determine the level of turf safety in your location. The safety of this mixture has not been tested on seashore paspalum or bermudagrass varieties other than those listed above.

Spot Application of Tenacity (apply at 1 gallon per 1000 sq. ft.)

Spray Mix	Rate of Tenacity (teaspoons)	NIS adjuvant (teaspoons)
2 gal	1	3

DO NOT apply more than 16 oz of Tenacity per acre per year (equivalent to a maximum of 0.50 lb of mesotrione per acre per year).

Tenacity Rate Conversion Table

fl oz product/1000 sq ft	fl oz product/A	lb ai/A
0.092	4	0.125
0.115	5	0.156
0.184	8	0.25

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage and disposal.

Pesticide Storage

Keep container tightly closed when not in use. **DO NOT** store near seed, fertilizers, or foodstuffs. Can be stored at temperatures as low as -20°F. Keep away from heat and flame.

Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling

Non-refillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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For non-emergency (e.g. current product information) call Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1267A-L1D 0922

41% Glyphosate Concentrate with Full Surfactant Load. Approved for Roundup Ready® Crops, including Flex Cotton.

GLYPHOSATE | GROUP 9 | HERBICIDE

Imitator® Plus

Herbicide

Avoid herbicide contact with foliage, green stems, exposed non-woody roots or fruit of crops (except as specified for individual Roundup Ready® crops), desirable plants and trees because severe injury or destruction may result.

ACTIVE INGREDIENT:

Glyphosate in the form of its isopropylamine salt* ..	41.0%
OTHER INGREDIENTS:	59.0%
TOTAL:	100.0%

* Contains 480 grams per liter or 4 pounds per U.S. gallon of the active ingredient Glyphosate in the form of its isopropylamine salt. Equivalent to 356 grams per liter or 3 pounds per U.S. gallon of the acid, Glyphosate.

KEEP OUT OF REACH OF CHILDREN

CAUTION

[See FIRST AID Below]
[See Side (Back) Panel for FIRST AID];
[See Page ___ for FIRST AID]
[See Container Labeling for (FIRST AID and) Complete Directions for Use]
[See (Attached) Booklet (Container Labeling) for Complete Directions for Use]

EPA Reg. No. 19713-526 **Net Content:**
EPA Est. No. 19713-TN-3 **2.5 Gals. (9.46 L)**

FIRST AID

IF IN EYES:
- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF INHALED:
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth.
- Call a poison control center or doctor for further treatment advice.

IF SWALLOWED:
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

IF ON SKIN OR CLOTHING:
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency medical treatment information.

Domestic animals: This product is considered to be relatively non-toxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

PRECAUTIONARY STATEMENTS

Hazards To Humans And Domestic Animals

CAUTION: Harmful if absorbed through skin, if inhaled, or if swallowed. Causes moderate eye irritation. Avoid breathing of spray mist. Avoid contact with skin, eyes, and clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils and viton ≥ 14 mils.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for Agricultural Pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands thoroughly before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Manufactured By:
Drexel Chemical Company
P.O. Box 13327, Memphis, TN 38113-0327
SINCE 1972

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PHYSICAL AND CHEMICAL HAZARDS

Spray solutions of this product should be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers. DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas, which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area at the time of application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE) and Restricted Entry Interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS. Do not enter or allow worker entry into treated area during the REI of 4 hours.

PPE required for early entry to treated area that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils and viton ≥ 14 mils, shoes plus socks and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the WPS for agricultural use pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter treated area until sprays have dried.

USE INFORMATION

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT EXCEPT UNDER CONDITIONS AS SPECIFIED WITHIN THIS LABEL.

- This product mixes readily with water to be applied as a foliar spray for the control or destruction of most herbaceous plants. It may be applied through most standard handheld or industrial or field-type sprayers after dilution and thorough mixing with water in accordance with label instructions.
- This product moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, but on most perennial weeds may not occur for 7 days or more. Extremely cool or cloudy weather following treatment may slow activity of this product and delay visible effects of control. Visible effects are a gradual wilting and yellowing of the plant which advances to complete browning of above-ground growth and deterioration of underground plant parts.
- Unless otherwise specified on this label, delay application until vegetation has emerged and reached the stages described for control of such vegetation under the *"WEEDS CONTROLLED AND RATES"* section of this label.
- Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the herbicide and will continue to grow. For this reason, best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity.
- Always use the higher rate of this product per acre within the specified range when 1) weed growth is heavy or dense, or 2) weeds are growing in an undisturbed (non-cultivated) area.
- Do not treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Reduced results may also occur when treating weeds heavily covered with dust.
- Reduced control may result when applications are made to annual and perennial weeds that have been mowed, grazed or cut and have not been allowed to regrow to the listed stage for treatment.
- Rainfall or irrigation occurring within 6 hours after application may reduce effectiveness. Heavy rainfall or irrigation within 2 hours after application may wash the chemical off the foliage and a repeat treatment may be required.
- This product does not provide residual weed control. Weeds germinating from seed after application will not be controlled. For subsequent residual weed control, follow a label-approved herbicide program. Read and carefully observe the precautionary statements and all other information appearing on the labels of all herbicides used.
- To the extent consistent with applicable law, Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly listed in this labeling. Mixing this product with herbicides or other materials not listed on this label may result in reduced performance.
- For best results, spray coverage should be uniform and complete. Do not spray weed foliage to the point of runoff.

Annual Maximum Use Rate

The maximum application or use rates stated throughout this label are given in units of volume (fl. ozs. or qts.) of this product per acre. However, the maximum allowed application rates apply to this product combined with the use of any and all other herbicides containing the active ingredient Glyphosate, whether applied separately or as tank-mixtures, on a basis of total pounds of Glyphosate (acid equivalents) per acre. If more than one Glyphosate-containing product is applied to the same site within the same year, you must ensure that the total use of Glyphosate (lbs. acid equivalents) does not exceed the maximum allowed. The combined total of all treatments must not exceed 8 quarts of this product per acre per year. For applications in non-crop sites or in tree, vine, or shrub crops, the combined total of all treatments must not exceed 10.6 quarts of this product per acre per year. See the *"INGREDIENTS"* section of this label for necessary product information.

ATTENTION: AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product is greatest when winds are gusty or in excess of 5 mph, or when other conditions, including lesser wind velocities, will allow spray drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist), which are likely to drift.

AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

Note: Use of this product in any manner not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences. Keep container closed to prevent spills and contamination.

WEED RESISTANCE MANAGEMENT

GLYPHOSATE	GROUP	9	HERBICIDE

For resistance management, this product is a Group 9 mode of action herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 9 mode of action herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 9 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank-mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more

resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.

- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Drexel Chemical Company representatives at (901) 774-4370.

MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. DO NOT APPLY WHEN WIND OR OTHER CONDITIONS FAVOR DRIFT. PROPERLY DIRECT HANDGUN APPLICATIONS TO AVOID SPRAYING DESIRABLE PLANTS. **Note:** REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL SUCH AS WATER FROM PONDS AND UNLINED DITCHES IS USED.

MIXING

This product mixes readily with water. Mix spray solutions of this product as follows: Fill the mixing or spray tank with the required amount of water. Add the specified amount of this product (see the *"DIRECTIONS FOR USE"* and *"WEEDS CONTROLLED AND RATES"* sections of this label) near the end of the filling process and mix well. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, terminate bypass and return lines at the bottom of the tank and, if needed, use an approved anti-foam or defoaming agent.

TANK-MIXTURES

This product may be tank-mixed with the products listed, provided the product tank-mixed is registered for use on the listed site. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

Always predetermine the compatibility of labeled tank-mixtures of this product with water carrier by mixing small proportional quantities in advance.

Mix labeled tank-mixtures of this product with water as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the spray tank one-half full of water and start agitation.
3. If a wettable powder is used, make a slurry with the water carrier and add it SLOWLY through the screen into the tank. Continue agitation.
4. If a flowable formulation is used, pre-mix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
5. If an emulsifiable concentrate formulation is used, pre-mix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.
6. Continue filling the spray tank with water and add the required amount of this product near the end of the filling process.
7. Where non-ionic surfactant is used, add this to the spray tank before completing the filling process.
8. Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive, water-soluble liquid followed by surfactant.

Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed. Keep bypass line on or near bottom of the tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. For best results with conventional ground application equipment, use flat fan nozzles. Clean sprayer and parts immediately after using this product by thoroughly flushing with water.

ADDITIVES

Surfactants: Non-ionic surfactants or wetting agents that are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactant, follow manufacturer's rates and directions for use of the surfactant, or, use 0.5% surfactant concentration (2 qts. per 100 gals. of spray solution) when using surfactants that contain at least 70% active ingredient or a 1% surfactant concentration (4 qts. per 100 gals. of spray solution) for those surfactants containing less than 70% active ingredient. Read and carefully observe surfactant precautionary statements and other information appearing on the surfactant label.

Ammonium Sulfate: The addition of 1 to 2% dry Ammonium sulfate by weight or 8.5 to 17 pounds per 100 gallons of water may increase the performance of this product and this product plus 2,4-D, Dicamba or residual herbicide tank-mixtures on annual and perennial weeds. The improvement in performance may be apparent where environmental stress is a concern. Low quality Ammonium sulfate may contain material that will not readily dissolve, which could result in nozzle tip plugging. To determine quality, perform a jar test by adding one-third cup of Ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, pre-dissolve the Ammonium sulfate in water and filter prior to addition to the spray tank. If Ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet line. Ensure that Ammonium sulfate is completely dissolved in the spray tank before adding herbicides or surfactant. Thoroughly rinse the spray system with clean water after use to reduce corrosion.

Note: The use of Ammonium sulfate as an additive does not preclude the need for additional surfactant. Do not use herbicide rates lower than what is specified in this label.

Colorants or Dyes: Agriculturally-approved colorants or marking dyes may be added to this product. Colorants or dyes used in spray solutions of this product may reduce performance, especially at lower rates or dilutions. Use colorants or dyes according to the manufacturer's instructions.

Drift Control Additives: Drift control additives may be used with all equipment types, except wiper applicators, sponge bars and Controlled Droplet Applicator (CDA) equipment. When a drift control additive is used, read and carefully observe the precautionary statements and all other information appearing on the additive label. The use of drift control additives can affect spray coverage which may result in reduced performance.

APPLICATION EQUIPMENT AND TECHNIQUES

Do not apply this product through any type of irrigation system. This product may be applied with the following application equipment:

Aerial — Fixed-wing and helicopter.

Ground Broadcast Spray — Boom or boomless systems, pull-type sprayer, floaters, pick-up sprayers, spray coupes and other ground broadcast equipment.

Handheld and High-volume Spray Equipment — Knapsack and backpack sprayers, pump-up pressure sprayers, handguns, handwands, mistblowers*, lances and other handheld and motorized spray equipment used to direct the spray onto weed foliage.

**THIS PRODUCT IS NOT REGISTERED IN CA OR AZ FOR USE IN MISTBLOWERS.*

Selective Equipment — Shielded and hooded sprayers, wiper applicators and sponge bars. See the appropriate part of this section for specific instructions and rates of application.
Injection Systems — Aerial or ground injection sprayers.
Controlled Droplet Applicator (CDA) — Handheld or boom-mounted applicators which produce a spray consisting of a narrow range of droplet sizes.
APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES.

AERIAL EQUIPMENT

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT EXCEPT UNDER CONDITIONS AS SPECIFIED WITHIN THIS LABEL.
Apply the specified rates of this product in minimum 3 gallons of water per acre unless otherwise directed on this label. Unless otherwise specified, do not exceed 1 quart per acre. **Refer to the individual use area sections of this label for volumes, application rates, and further instructions.**
Avoid direct application to any body of water.
This product plus Dicamba tank-mixtures may not be applied by air in California.
For aerial applications in California, refer to *"AERIAL APPLICATION IN CALIFORNIA"* section for specific instructions, restrictions and requirements.
Ensure uniform application — To avoid streaked, uneven or overlapped application, use appropriate marking devices.
Aircraft Maintenance — Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR IS MOST SUSCEPTIBLE. The maintenance of an organic coating (paint), which meets aerospace specification MIL-C-38413, may prevent corrosion.

AERIAL SPRAY DRIFT MANAGEMENT

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.
1. The distance of the outermost nozzles on the boom must not exceed three-fourths the length of the wingspan or rotor.
2. Nozzles must always point backward, parallel with the air stream and never be pointed downwards more than 45°. Observe more stringent regulations in states where applicable.

Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see the *"Wind"*, *"Temperature and Humidity"*, and *"Temperature Inversions"* sections of this label).

Controlling Droplet Size

- Volume: Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with the higher rated flows produce larger droplets.
- Pressure: Use the lower spray pressures listed for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of Nozzles: Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation: Orienting nozzles so that the spray is released backwards, parallel to the airstream, will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- Nozzle Type: Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.
- Boom Length: For some use patterns, reducing the effective boom length to less than three-fourths of the wingspan or rotor length may further reduce drift without reducing swath width.
- Application Height: Do not make applications at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Increase swath adjustment distance increase, with increasing drift potential (higher wind, smaller droplets, etc.).

Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Avoid application below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Do not make applications during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

Apply this product when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas). Avoid direct application to any body of water.
***Intended To Be Applied By Certified/Professional Applicators.**

AERIAL APPLICATION IN CALIFORNIA

Avoid contact of herbicide with foliage, green stems, exposed non-woody roots or fruit of crops (except as specified for individual Roundup Ready® crops), desirable plants and trees, because severe injury or destruction may result.
See *"USE INFORMATION"* and *"MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS"* sections for essential product performance information.
Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Aerial Equipment

Avoid drift. Do not apply when winds are gusty or under any other condition which favors drift. Drift may cause damage to any vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.
Use the following guidelines when aerial applications are made near crops or desirable perennial vegetation after bud break and before total leaf drop, and/or near other desirable vegetation or annual crops:
1. Do not apply within 100 feet of all desirable vegetation or crop(s).
2. If wind up to 5 mph is blowing toward desirable vegetation or crop(s), do not apply within 500 feet of the desirable vegetation or crop(s).
3. Winds blowing from 5 to 10 mph toward desirable vegetation or crop(s) may require buffer zones in excess of 500 feet.
4. Do not apply when winds are in excess of 10 mph or when inversion conditions exist.
5. Apply by air only to non-residential areas.

Coarse sprays are less likely to drift, therefore, do not use nozzles or nozzle configurations that dispense spray as fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure.

Drift control additives may be used. When a drift control additive is used, read and carefully observe the precautionary statements and all other information appearing on the additive label.
Ensure uniform application. To avoid streaking, uneven, or overlapped application, use appropriate marking devices.
Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. Prolonged exposure of this product to uncoated steel surfaces may result in corrosion and possible failure of the part. Landing gear is most susceptible. The maintenance of an organic coating (paint) which meets aerospace specification MIL-C38413 may prevent corrosion.

Crop Uses

Read and follow the specific labeling instructions for each crop.
Utilize allowable application rates and timing limitations that pertain to your specific cropping system and stage growth.
Aerial applications of this product are allowed in the following situations:

1. In fallow and reduced tillage systems prior to the emergence or transplanting of labeled crops.
2. In Alfalfa and Pasture renovation applications.
3. Over-the-top applications in Corn and Cotton with the Glyphosate-tolerant gene such as the Roundup Ready gene.
4. Pre-harvest in Alfalfa, Corn, Cotton, Wheat, Corn with Glyphosate-tolerant gene such as the Roundup Ready gene, and Cotton with the Roundup Ready gene.

Refer to the individual crop section on this label for specific application instructions for each crop.
Do not plant subsequent crops other than those listed in the label booklet for 30 days following application.
When applied under the conditions described, this product controls annual and perennial weeds listed in this label.
Use the specified rates of this product in 3 to 15 gallons of water per acre. When tank-mixing this product with 2,4-D for aerial applications, only 2,4-D amine formulations may be used. This tank-mixture may be used for fallow and reduced tillage systems and Alfalfa and pasture renovation applications only.
DO NOT EXCEED THE FOLLOWING MAXIMUM RATES WHEN MAKING AERIAL APPLICATIONS:

Crop	Maximum Rate per Acre
Corn, Glyphosate-Tolerant Corn, Wheat	1 qt.
Alfalfa, Cotton, Fallow, Glyphosate-Tolerant Cotton, Pastures, Reduced Tillage Systems	2 qts.

AERIAL APPLICATIONS IN FRESNO COUNTY, CALIFORNIA ONLY

(Only from February 15 through March 31)

Applicable Area

- North: Fresno County line
- South: Fresno County line
- East: State Highway 99
- West: Fresno County line

Use Information For Aerial Applications in Fresno County

Always read and follow the label directions and precautionary statements for all products used in the aerial application. Observe the following directions to minimize off-site movement during aerial application of this product. Minimization of off-site movement is the responsibility of the grower, Pest Control Advisor, and aerial applicator.

Written Recommendations

A written recommendation MUST be submitted by or on behalf of the applicator to the Fresno County Agricultural Commissioner 24 hours prior to the application. This written recommendation MUST state the proximity of the surrounding crops, and that conditions of each manufacturer's applicable product label(s) and this label have been satisfied.

Aerial Applicator Training and Equipment

Aerial application of this product is limited to pilots who have successfully completed a Fresno County Agricultural Commissioner and California Department of Pesticide Regulation approved training program for aerial application of herbicides. All aircraft must be inspected, critiqued in flight, and certified at a Fresno County Agricultural Commissioner approved fly-in. Test and calibrate spray equipment at intervals sufficient to insure that proper rates of herbicides and adjuvants are being applied during commercial use. Applicator must document such calibrations and testing. Demonstration of performance at Fresno County Agricultural Commissioner approved fly-ins constitutes such documentation, or other written records showing calculations and measurements of flight and spray parameters acceptable to the Fresno County Agricultural Commissioner.

Applications at Night

Do not apply this product by air earlier than 30 minutes prior to sunrise and/or later than 30 minutes after sunset without prior permission from the Fresno County Agricultural Commissioner.
To report known or suspected misuse of this product, or for additional information on the proper aerial application of this product, call (901) 774-4370.
Note: For aerial application from April 1 through February 14, refer to *"AERIAL APPLICATION IN CALIFORNIA"* section of this label.

GROUND BROADCAST EQUIPMENT

Use the specified rates of this product as broadcast spray in minimum 3 gallons of water per acre unless otherwise specified. As density of weeds increases, increase spray volume within the specified range to ensure complete coverage. Carefully select proper nozzle to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

CONTROLLED DROPLET APPLICATION (CDA)

The rate of this product applied per acre by vehicle-mounted CDA equipment must not be less than the amount specified in this label when applied by conventional broadcast equipment. For vehicle-mounted CDA equipment, apply 2 to 15 gallons of water per acre.
For the control of labeled annual weeds with handheld CDA units, apply a 20% solution of this product at a flow rate of 2 fluid ounces per minute and a walking speed of 1.5 mph (1 qt. per acre). For the control of labeled perennial weeds, apply a 20 to 40% solution of this product at a flow rate of 2 fluid ounces per minute and a walking speed of 0.75 mph (2 to 4 qts. per acre).
Controlled droplet application equipment produces a spray pattern that is not easily visible. Exercise extreme care to avoid spray or drift contacting the foliage or any other green tissue of desirable vegetation, as damage or destruction may result.

HANDHELD OR HIGH-VOLUME EQUIPMENT

Use coarse sprays only. Apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do not spray to the point of runoff. For control of annual weeds listed on this label, apply a 0.5% solution of this product to weeds less than 6 inches in height or runner length. Non-ionic surfactants or wetting agents labeled for use with herbicides may be added. Refer to *"SURFACTANTS"* under the *"MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS"* section of this label for additional use information. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds. For annual weeds over 6 inches tall or unless otherwise specified, use a 1% solution.
On harder-to-control perennials such as Bermudagrass, Canada thistle, Dock, Field bindweed, Hemp dogbane and Milkweed, use a 2% solution for best results.
When using application methods that result in less than complete coverage, use a 5% solution for annual and perennial weeds and a 5 to 10% solution for woody brush and trees.
Prepare the desired volume of spray solution by mixing the amount of this product in water as shown in the following table:

SPRAY SOLUTION						
Desired Volume	Amount of This Product					
	0.5%	1%	1.5%	2%	5%	10%
1 Gal.	0.66 fl. oz.	1.33 fl. ozs.	2 fl. ozs.	2.66 fl. ozs.	6.5 fl. ozs.	13 fl. ozs.
25 Gals.	1 pt.	1 qt.	1.5 qts.	2 qts.	5 qts.	10 qts.
100 Gals.	2 qts.	1 gal.	1.5 gals.	2 gals.	5 gals.	10 gals.
2 tbsps. = 1 fl. oz.						

INJECTION SYSTEMS

This product may be used in aerial or ground injection spray systems. It may be used as a liquid concentrate or diluted prior to injecting into the spray stream. Unless specified, do not mix this product with the concentrate of other products when using injection systems.

SELECTIVE EQUIPMENT

This product may be applied through recirculating spray systems, shielded applicators, hooded sprayers, wiper applicators or sponge bards after dilution and thorough mixing with water to listed weeds

growing in any non-crop site specified on this label and only when specifically listed in cropping systems.

In cropping systems, hooded sprayers, shielded sprayers, and wipers may be used in row middles (in between rows of crop plants) where any dripping or leaking will not contact crop foliage. Such equipment must be capable of preventing all crop contact with herbicide solutions and operated without leakage of spray mists or dripping onto crop. Wipers over-the-top of crops may be used only when specifically listed in this product's labeling.

AVOID CONTACT OF HERBICIDE WITH DESIRABLE VEGETATION. Contact of the herbicide solution with desirable vegetation may result in damage or destruction. Adjust applicators so that the lowest spray stream or wiper contact point is at least 2 inches above the desirable vegetation. Droplets, mist, foam or splatter of the herbicide solution settling on desirable vegetation may result in discoloration, stunting or destruction.

Make applications above the crops when the weeds are a minimum of 6 inches above the desirable vegetation. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations or when the height of the weeds varies so that not all weeds are contacted. In these instances, repeat treatments may be necessary.

Recirculating Spray System:

A recirculating spray system directs the spray solution onto weeds growing above desirable vegetation while spray solution not intercepted by weeds is collected and returned to the spray tank for reuse.

Shielded and Hooded Applicators:

When applied as directed under conditions described for shielded applicators, this product will control those weeds listed in *"ANNUAL WEEDS"* and *"PERENNIAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label.

A hooded sprayer is a type of shielded applicator where the spray pattern is fully enclosed including top, sides, front and back, thereby shielding the crop from the spray solution. Keep shields on these sprayers adjusted to protect desirable vegetation. When applying to crops grown on raised beds, ensure that the hood is designed to completely enclose the spray solution. If necessary, extend the front and rear flaps of the hoods to reach the ground in deep furrows. EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF HERBICIDE WITH DESIRABLE VEGETATION.

This equipment must be set up and operated in a manner that avoids bouncing or raising the hoods off the ground in any way. If the hoods are raised, spray particles may escape and come into contact with the crop, causing damage or destruction of the crop. Avoid operation on rough or sloping ground where the spray hoods might be raised off the ground.

Use hoods designed to minimize excessive dripping or runoff down the insides of the hoods. For best results, use a single, low pressure/low drift flat-fan nozzle with an 80 to 95° spray angle positioned at the top center of the hood in a spray volume of 20 to 30 gallons per acre. These procedures will reduce the potential for crop injury:

- The spray hoods must be operated on the ground or skimming across the ground.
- Leave at least an 8 inch untreated strip over the drill row. For example, if the crop row width is 38 inches, the maximum width of the spray hood will be 30 inches.
- Maximum tractor speed: 5 mph to avoid bouncing of the spray hoods.
- Maximum wind speed: 10 mph.
- Use low-drift nozzles that provide uniform coverage within the treated area.

Crop injury may occur when the foliage of treated weeds comes into direct contact with leaves of the crop. Do not apply this product when the leaves of the crop are growing in direct contact with weeds to be treated. Droplets, mist, foam or splatter of the herbicide solution may contact the crop and cause discoloration, stunting or destruction.

Wiper Applicators:

When applied under the below conditions, this product controls and suppresses many weeds listed on this label including those listed below. Wiper applicators are devices that physically wipe appropriate amounts of this product directly onto the weed.

Equipment must be designed, maintained and operated to prevent the herbicide solution from contacting desirable vegetation. Operate this equipment at ground speeds no greater than 5 mph. Performance may be improved by reducing speed in areas of heavy weed infestations to ensure adequate wiper saturation. Better results may be obtained if 2 applications are made in opposite directions.

Avoid leakage or dripping onto desirable vegetation. Adjust height of applicator to ensure adequate contact with weeds. Keep wiping surfaces clean. Be aware that, on sloping ground, the herbicide solution may migrate causing dripping on the lower end and drying of the wicks on the upper end of a wiper applicator.

Do not use wiper equipment when weeds are wet.

Mix only the amount of solution to be used during a 1 day period, as reduced activity may result from use of leftover solutions. Clean wiper parts immediately after using this product by thoroughly flushing with water.

Do not add surfactant to the herbicide solution.

For rope or sponge wick applicators — Mix 4 quarts of this product in 2 gallons of water to prepare a 33% solution. Apply this solution to weeds listed in this section.

For panel applicators and pressure feed systems — Solutions ranging from 33 to 100% of this product in water may be used in panel wiper applicators.

When applied as directed, this product CONTROLS the following weeds:

Corn (Volunteer)	Rye (Common)	Starbur, Bristly
Panicum (Texas)	Shattercane	
Sicklepod	Spanishneedles	

When applied as directed, this product SUPPRESSES the following weeds:

Beggarweed (Florida)	Milkweed	Smutgrass
Bermudagrass	Nightshade (Silverleaf)	Sunflower
Dogbane (Hemp)	Pigweed (Redroot)	Thistle (Canada)
Dogfennel	Ragweed (Common)	Thistle (Musk)
Guineagrass	Ragweed (Giant)	Vaseygrass
Johnsongrass		Velvetleaf

WEEDS CONTROLLED AND RATES

This herbicide controls many annual and perennial grasses and broadleaf weeds listed in the following sections.

ANNUAL WEEDS

Unless otherwise specified, use a minimum spray volume of 3 gallons per acre for ground and for aerial applications.

Apply to actively growing annual weeds. Annual weeds are easiest to control when they are small. Older, mature (hardened) annual weed species may require higher rates even if they meet the size requirements. Do not tank-mix with soil residual herbicides when using these rates unless otherwise specified. For weeds that have been mowed, grazed or cut, allow regrowth to occur prior to treatment. This product may be used up to 48 fluid ounces (1.5 qts.) per acre where heavy weed densities exist.

Annual Weeds	Rate (Fl. Oz. / Ac.)				
	16	24	32	40	48
	Maximum Height/Length (Inches)				
Ammannia (Purple)	3	6	12	—	18
Anoda (Spurred)	—	2	3	5	8
Barley	18	18+	—	—	—
Barnyardgrass	—	3	6	7	9
Bassia (Fivehook)	—	—	6	—	—
Beggarweed (Florida)	—	5	8	—	—
Bittercress	12	20	—	—	—
Bluegrass (Annual)	10	—	—	—	—
Bluegrass (Bulbous)	6	—	—	—	—
Brome (Downy)[1,2]	6	12	—	—	—
Brome (Japanese)	6	12	24	—	—
Browntop (Panicum)	6	8	12	—	24
Buckwheat (Wild)[3]	—	1	2	—	—
Burcucumber	—	6	12	—	18
Buttercup	12	20	—	—	—
Carolina (Geranium)	—	—	4	—	9
Carpetweed	—	6	12	—	—
Cheat[2]	6	20	—	—	—
Chervil	20	—	—	—	—
Chickweed	—	12	18	—	—
Cocklebur	12	18	24	—	36
Copperleaf (Hophornbeam)	—	2	4	—	6
Copperleaf (Virginia)	—	2	4	—	6

(Continued)

(Cont.)

Annual Weeds	Rate (Fl. Oz. / Ac.)				
	16	24	32	40	48
	Maximum Height/Length (Inches)				
Coreopsis (Plains)	—	6	12	—	18
Corn (Volunteer)	6	12	20	—	—
Corn speedwell	12	—	—	—	—
Crabgrass	3	6	12	—	—
Crowfootgrass	—	—	6	—	12
Cutleaf evening primrose	—	—	3	—	6
Devilsclaw (Unicorn plant)	—	3	6	—	—
Dwarf dandelion	12	—	—	—	—
Eastern mannagrass	8	12	—	—	—
Eclipta	—	4	8	12	—
Fall panicum	4	—	6	—	12
False dandelion	—	20	—	—	—
Falseflax (Smallseed)	12	—	—	—	—
Fiddleneck	—	6	12	—	—
Field pennycress	6	12	—	—	—
Filaree	—	—	6	—	12
Fleabane (Annual)	6	20	—	—	—
Fleabane (Hairy) *(Conyza bonariensis)**	—	—	6	—	10
Fleabane (Rough)	3	6	12	—	—
Florida pusley	—	—	4	—	6
Foxtail (Bristly, Giant, Yellow)	6	12	20	—	—
Foxtail (Carolina)	10	—	—	—	—
Foxtail (Green)	12	—	—	—	—
Goatgrass (Jointed)	6	12	—	—	—
Goosegrass	—	3	6	—	12
Grain sorghum (Milo)	6	12	20	—	—
Groundcherry	—	3	6	—	9
Groundsel (Common)	—	6	10	—	—
Hemp (Sesbania)	—	2	4	6	8
Henbit	—	—	6	—	12
Horseweed/Marestail *(Conyza canadensis)**	—	6	12	—	18
Itchgrass	6	8	12	—	18
Jimsonweed	—	—	12	—	18
Johnsongrass (Seedling)*	6	12	18	—	24
Junglerice	—	3	6	7	9
Knotweed	—	—	6	—	12
Kochia[4]*	—	3 to 6	12	—	—
Lambsquarters	—	6	12	—	20
Little barley	6	12	—	—	—
London rocket	6	—	24	—	—
Mayweed	—	2	6	12	18
Morningglory (Annual) (*Ipomoea* spp.)	—	—	3	—	6
Mustard (Blue)	6	12	18	—	—
Mustard (Tansy)	6	12	18	—	—
Mustard (Tumble)	6	12	18	—	—
Mustard (Wild)	6	12	18	—	—
Nightshade (Black)	—	4	6	—	12
Nightshade (Hairy)	—	4	6	—	12
Oats	3	6	18	—	—
Pigweed*	—	12	18	24	—
Prickly lettuce	—	6	12	—	—
Purslane	—	—	3	—	6
Ragweed (Common)*	—	6	12	—	18
Ragweed (Giant)*	—	6	12	—	18
Red rice	—	—	4	—	—
Rye (Volunteer/Cereal)[2]	6	18	18+	—	—
Ryegrass*	—	—	6	—	12
Sandbur (Field)	6	12	—	—	—
Sandbur (Longspine)	6	12	—	—	—
Shattercane	6	12	20	—	—
Shepherdspurse	6	12	—	—	—
Sicklepod	—	2	4	—	8
Signalgrass (Broadleaf)	—	3	6	7	9
Smartweed (Lady's thumb)	—	—	6	—	9
Smartweed (Pennsylvania)	—	—	6	—	9
Sowthistle (Annual)	—	—	6	—	12
Spanishneedles	—	—	6	—	12
Speedwell (Purslane)	12	—	—	—	—
Sprangletop	6	12	20	—	—
Spurge (Prostrate)	—	6	12	—	—
Spurge (Spotted)	—	6	12	—	—

(Continued)

(Cont.)

Annual Weeds	Rate (Fl. Oz. / Ac.)				
	16	24	32	40	48
	Maximum Height/Length (Inches)				
Spurry (Umbrella)	6	—	—	—	—
Stinkweed	—	12	—	—	—
Sunflower	12	18	—	—	—
Swinecress	—	5	12	—	—
Teaweed/Prickly sida	—	2	4	—	6
Texas panicum	6	8	12	—	24
Thistle, Russian[5]	—	6	12	—	—
Velvetleaf	—	—	6	—	12
Virginia (Pepperweed)	—	18	—	—	—
Waterhemp	—	—	6	—	12
Wheat[2]	6	12	18	—	—
Wheat (Overwintered)	—	6	12	—	18
Wild oats	3	6	18	—	—
Wild proso millet	—	6	12	—	18
Witchgrass	—	12	—	—	—
Woolly cupgrass	—	6	12	—	—
Yellow rocket	—	12	20	—	—

[1] To control Downy brome in no-till systems, use 24 fl. ozs. of this product per acre.

[2] Performance is better if application is made before this weed reaches the boot stage of growth.

[3] To control Wild buckwheat in the cotyledon to 2 leaf stage, use 24 fl. ozs. of this product per acre. Use 32 fl. ozs. of this product per acre to control 2 to 4 leaf Wild buckwheat. For improved control of Wild buckwheat over 2 inches in size, use sequential treatments of 32 fl. ozs. followed by 32 fl. ozs. of this product per acre.

[4] Do not treat Kochia in the button stage.

[5] Control of Russian thistle may vary based on environmental conditions and spray coverage. Whenever possible, a tank-mixture with 2,4-D as described below may improve control.

* A Glyphosate-resistant biotype has been confirmed. For additional information, refer to the *"WEED RESISTANCE MANAGEMENT"* section of this label. You may also visit the website, www.weedscience.org.

Annual Weeds – Handheld or High-Volume Equipment

For control of annual weeds listed on this label, refer to the *"HANDHELD OR HIGH VOLUME EQUIPMENT"* section of this label for use directions.

Annual Weeds – In 10 to 40 Gallons of Water per Acre

Apply 1 to 2 quarts of this product per acre. Use 1 quart per acre if weeds are less than 6 inches tall, 1.5 quarts per acre if weeds are 6 to 12 inches tall and 2 quarts per acre if weeds are greater than 12 inches tall. These rates will provide control of Balsamapple* plus the annual weeds listed under the *"WEEDS CONTROLLED AND RATES"* section of this label when water carrier volumes are 10 to 40 gallons per acre for ground applications. Older, mature (hardened) annual weed species may require higher rates even if they meet the size requirements.

*Apply this product on Balsamapple with handheld equipment only.

Tank-Mixtures

Annual Weeds in Tank-mixtures with 2,4-D, Dicamba, or Picloram

This product at 12 to 16 fluid ounces plus 0.25 pound of Dicamba or 0.5 pound of 2,4-D or appropriate rate of Picloram per acre will control the following weeds:

Weeds (6 Inches Maximum Height or Length)	Weeds (12 Inches Maximum Height or Length)
Horseweed/Marestail	Cocklebur
Kochia*	Lambsquarters
Morningglory	Pigweed
Prickly lettuce	Thistle, Russian***
Wild buckwheat**	

* Controlled with Dicamba tank-mixture only.
** Controlled with Picloram tank-mixture only.
*** Controlled with 2,4-D tank-mixture only.

This product at 16 fluid ounces plus 0.5 pound of 2,4-D per acre will control the following weeds:

Weeds (6 Inches Maximum Height or Length)	
Ragweed (Common)	Smartweed (Pennsylvania)
Ragweed (Giant)	Velvetleaf

Refer to the specific product labels for crop rotation restrictions and precautionary statements for all products used in tank-mixtures. Some crop injury may occur if Dicamba or Picloram is applied within 45 days of planting.

DO NOT apply by air this product in tank-mixture with Dicamba in California.

Annual Weeds – Tank-Mixtures with Atrazine for Fallow and Reduced Tillage Systems:

For use only in Colorado, Kansas, Nebraska, Oklahoma, Oregon, South Dakota, and Washington.

In Oregon and Washington, do not exceed 1 pound of Atrazine per acre. This product at 24 to 28 fluid ounces plus 1 to 2 pounds of Atrazine per acre will control the following weeds:

Barnyardgrass*	Lambsquarters	Thistle, Russian
Downy brome	Pigweed	Volunteer Wheat
Field sandbur	Prickly lettuce	Witchgrass
Green foxtail	Stinkgrass	
Kochia**	Tansy mustard	

* Requires 28 fl. ozs. of this product for control.
** Add 0.125 lb. of Dicamba for control.

PERENNIAL WEEDS

Apply this product to actively growing perennial weeds. Best results are obtained when soil moisture is adequate for active weed growth. When using handheld or high volume application methods that result in less than complete coverage, use 5% solution of this product. When using handheld equipment for low volume directed spot treatments, use 5 to 10% solution of this product.

Note: If weeds have been mowed or tilled, do not treat until plants have resumed active growth and have reached the stages specified. Repeat treatments may be necessary to control weeds regenerating from underground parts or seed. Repeat treatments must be made prior to crop emergence.

The addition of 1 to 2% by weight dry Ammonium sulfate or 8.5 to 17 pounds per 100 gallons of water may increase the performance of this product on perennial weeds. The improvement in the performance may be apparent where environmental stress is a concern. Refer to the *"MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS"* section of this label.

Unless otherwise stated, allow 7 days or more after application before tillage.

Perennial Weeds	Rate (Qts./Ac.)	Water (Gal./Ac.)	Handheld (% Solution)
Alfalfa	1 to 2	3 to 10	2
	Apply after the last hay cutting in the Fall. Allow Alfalfa to regrow to a height of 6 to 8 inches or more prior to treatment. Follow applications with deep tillage at least 7 days after treatment but before soil freeze-up.		
Alligatorweed	4	3 to 20	1.5
	For partial control, apply when most of the Alligatorweed is in bloom. Repeat applications will be required to maintain such control.		
Anise (Fennel)	—	—	1 to 2
	Apply as a spray-to-wet treatment. Optimum results are obtained when treatment is made at the bud to full-bloom stage of growth. Repeat applications may be needed in succeeding years to control plants arising from seeds.		
Bahiagrass	3 to 5	3 to 20	2
	Apply when most Bahiagrass have reached the early head stage.		

(Continued)

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Perennial Weeds	Rate (Qts./Ac.)	Water (Gal./Ac.)	Handheld (% Solution)
Bentgrass*	1.5	10 to 20	2
	For suppression in grass seed production areas. For ground applications only. Ensure entire crown area has resumed growth prior to Fall applications. Bentgrass must have at least 3 inches of growth. Avoid tillage prior to treatment. For best results, till 7 to 10 days after application.		
Bermudagrass	3 to 5	3 to 20	2
	Apply 5 qts. of this product per acre for control. For partial control, apply 3 qts. per acre. Treat when Bermudagrass is actively growing and seedheads are present. Retreatment may be necessary to maintain control.		
Bermudagrass (Water) (Knotgrass)	1 to 1.5	5 to 10	2
	Apply when Knotgrass is 12 to 18 inches in length. Allow 7 or more days before tilling, flushing or flooding the field. **Fall applications only:** Apply 1 qt. of this product. Apply prior to frost on Knotgrass that is 12 to 18 inches in length.		
Bindweed (Field)	0.5 to 5	3 to 20	2
	Do not treat when Bindweed are under drought stress as good soil moisture is necessary for active growth. For control, apply 4 to 5 qts. of this product per acre West of the Mississippi River and 3 to 4 qts. East of the Mississippi River. Apply when weeds are at or beyond full bloom. For best results, apply in late Summer or Fall. Fall treatments must be applied before a killing frost. Also for control, apply 2 qts. of this product plus 0.5 lb. of Dicamba in 10 to 20 gals. of water per acre. Do not apply by air. For suppression on irrigated agricultural land, apply 1 to 2 qts. of this product plus 1 lb. of 2,4-D in 10 to 20 gals. of water per acre with ground equipment only. Make applications following harvest or in Fall fallow ground when Bindweed is actively growing and the majority of runners are 12 inches or more in length. The use of at least one irrigation will promote active Bindweed growth. Also, for suppression, apply 0.5 qt. (16 fl. ozs.) of this product plus 0.5 lb. of 2,4-D in 3 to 10 gals. of water per acre for ground applications and 3 to 5 gals. of water per acre for aerial applications. Apply by air in fallow and reduced tillage systems only. Delay applications until maximum emergence has occurred and when vines are between 6 to 18 inches in length. **California Only:** Apply 1 to 5 qts. of this product per acre. Actual rate needed for suppression or control will vary within this range depending on local conditions. For suppression on irrigated land where annual tillage is performed, apply 1 qt. of this product in 3 to 10 gals. of water per acre. Apply to Bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth. Allow 3 or more days after application before tillage.		

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(Cont.)

Perennial Weeds	Rate (Qts./Ac.)	Water (Gal./Ac.)	Handheld (% Solution)
Bluegrass (Kentucky)	1 to 2	3 to 40	2
	Apply when weeds have reached boot-to-early seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 1.5 qts. of this product plus 0.5 to 1% non-ionic surfactant by total spray volume in 3 to 10 gals. of water per acre. Apply when most have reached 4 to 12 inches in height. Allow 7 or more days after application before tillage.		
Blueweed (Texas)	3 to 5	3 to 40	2
	Apply 4 to 5 qts. of this product per acre West of the Mississippi River and 3 to 4 qts. per acre East of the Mississippi River. Apply when Blueweed are at or beyond full bloom. New leaf development indicates active growth. For best results, apply in late Summer or Fall. Fall treatments must be applied before a killing frost.		
Brackenfern	3 to 4	3 to 40	1 to 1.5
	Apply to fully expanded fronds that are at least 18 inches long.		
Bromegrass (Smooth)	1 to 2	3 to 40	2
	Apply 2 qts. of this product in 10 to 40 gals. of water per acre when most plants have reached boot-to-early seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 1.5 qts. of this product in 3 to 10 gals. of water per acre. Apply to actively growing plants when most have reached 4 to 12 inches in height.		
Bursage (Woollyleaf)	—	3 to 20	2
	Apply 2 qts. of this product plus 0.5 lb. of Dicamba per acre for control. For partial control, apply 1 qt. of this product plus 0.5 lb. of Dicamba per acre. Apply when Bursage are producing new active growth which has been initiated by moisture for at least 2 weeks and when plants are at or beyond flowering.		
Canarygrass (Reed)	2 to 3	3 to 40	2
	For best results, apply when most of the Canarygrass have reached the boot-to-head stage of growth.		
Cattail	3 to 5	3 to 40	2
	Apply when most Cattail have reached the early head stage.		
Clover (Red, White)	3 to 5	3 to 20	2
	Apply when most Clover have reached the early bud stage. Also for control, apply 16 to 32 fl. ozs. of this product plus 0.5 to 1 lb. of 2,4-D in 3 to 10 gals. of water per acre.		
Cogongrass	3 to 5	10 to 40	2
	Apply when Cogongrass is at least 18 inches tall in late Summer or Fall. Due to uneven stages of growth and the dense nature of vegetation preventing good spray coverage, repeat treatments may be necessary to maintain control.		
Dallisgrass	3 to 5	3 to 20	2
	Apply when most plants have reached the early head stage.		
Dandelion	3 to 5	3 to 40	2
	Apply when most plants have reached the early bud stage of growth. Also for control, apply 0.5 qt. (16 fl. ozs.) of this product plus 0.5 lb. of 2,4-D in 3 to 10 gals. of water per acre.		

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Perennial Weeds	Rate (Qts./Ac.)	Water (Gal./Ac.)	Handheld (% Solution)
Dock (Curly)	3 to 5	3 to 40	2
	Apply when most plants have reached the early bud stage of growth. Also for control, apply 0.5 to 1 qt. (16 to 32 fl. ozs.) of this product plus 0.5 lb. of 2,4-D in 3 to 10 gals. of water per acre.		
Dogbane (Hemp)	4	3 to 40	2
	Apply when most plants have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regrow to a mature stage prior to treatment. For best results, apply in late Summer or Fall. For suppression, apply 0.5 qt. (16 fl. ozs.) of this product plus 0.5 lb. of 2,4-D in 3 to 10 gals. of water per acre for ground applications and 3 to 5 gals. of water per acre for aerial applications. Delay applications until maximum emergence of Dogbane has occurred.		
Fescue (Tall)	1 to 3	3 to 40	2
	Apply 3 qts. of this product per acre when most plants have reached boot-to-early seedhead stage of development. **Fall applications only:** Apply 1 qt. of this product in 3 to 10 gals. of water per acre. Apply to Fescue in the Fall when plants have 6 to 12 inches of new growth. A sequential application of 0.5 qt. (16 fl. ozs.) of this product per acre will improve long-term control and control seedlings germinating after Fall treatments or the following Spring.		
Fescue (except Tall)	3 to 5	3 to 20	2
	Apply when most plants have reached the early head stage.		
Guineagrass	2 to 3	3 to 40	1
	Apply when most plants have reached at least the 7 leaf stage of growth. Ensure thorough coverage when using handheld equipment. In Texas and ridge of Florida, use 2 qts. for control. In the Flatwoods region of Florida, 3 qts. is required for control.		
Horsenettle	3 to 5	3 to 20	2
	Apply when most plants have reached the early bud stage.		
Horseradish	4	3 to 40	2
	Apply when most plants have reached the late bud to flower stage of growth. For best results, apply in late Summer or Fall.		
Iceplant	2	—	1.5 to 2
	Iceplant should be at or beyond the early bud stage of growth. Thorough coverage is necessary for best control.		
Jerusalem artichoke	3 to 5	3 to 20	2
	Apply when most plants are in the early bud stage.		

(Continued)

(Cont.)

Perennial Weeds	Rate (Qts./Ac.)	Water (Gal./Ac.)	Handheld (% Solution)
Johnsongrass	0.5 to 3	3 to 40	1
	In annual cropping systems, apply 1 to 2 qts. of this product per acre. Apply 1 qt. of this product in 3 to 10 gals. of water per acre. Use 2 qts. of this product when applying 10 to 40 gals. of water per acre. In non-crop or areas where annual tillage (no-till) is not practiced, apply 2 to 3 qts. of this product in 10 to 40 gals. of water per acre. For best results, apply when most plants have reached the boot-to-head stage of growth or in the Fall prior to frost. Allow 7 or more days after application before tillage. Do not tank-mix with residual herbicides when using 1 qt. of this product per acre. For burndown of Johnsongrass, apply 0.5 qt. of this product in 3 to 10 gals. of water per acre before the plants reach a height of 12 inches. For this use, allow at least 3 days after treatment before tillage. For spot treatment (partial control or suppression), apply a 1% solution of this product when Johnsongrass is 12 to 18 inches in height. Coverage should be uniform and complete.		
Kikuyugrass	2 to 3	3 to 40	2
	Spray when most Kikuyugrass is at least 8 inches in height (3 or 4 leaf stage of growth). Allow 3 or more days after application before tillage.		
Knapweed	4	3 to 40	2
	Apply when most Knapweed have reached the late bud to flower stage of growth. For best results, apply in late Summer or Fall.		
Lantana	—	—	1 to 1.25
	Apply to actively growing Lantana at or beyond the bloom stage of growth. Use the higher application rate for Lantana that have reached the woody stage of growth.		
Lespedeza	3 to 5	3 to 20	2
	Apply when most Lespedeza have reached the early bud stage.		
Milkweed (Common)	3	3 to 40	2
	Apply when most Milkweed have reached the late bud to flower stage of growth.		
Muhly (Wirestem)	1 to 2	3 to 40	2
	Use 1 qt. of this product in 3 to 10 gals. of water per acre. Use 2 qts. of this product when applying 10 to 40 gals. of water per acre or in pasture, sod, or non-crop areas. Spray when the Wirestem muhly is 8 inches or more in height. Do not till between harvest and Fall applications or in the Fall or Spring prior to Spring applications. Allow 3 or more days after application before tillage.		
Mullein (Common)	3 to 5	3 to 20	2
	Apply when most Mullein are in the early bud stage.		
Napiergrass	3 to 5	3 to 20	2
	Apply when most Napiergrass are in the early head stage.		
Nightshade (Silverleaf)	2	3 to 10	2
	Apply when at least 60% of Nightshade has berries. Fall treatments must be applied before a killing frost.		

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Perennial Weeds	Rate (Qts./Ac.)	Water (Gal./Ac.)	Handheld (% Solution)
Nutsedge (Purple, Yellow)	0.5 to 3	3 to 40	1 to 2
	Apply 3 qts. of this product per acre or apply a 1 to 2% solution for control of Nutsedge plants and immature nutlets attached to treated plants. Treat when Nutsedge are in flower or when new nutlets can be found at rhizome tips. Nutlets that have not germinated will not be controlled and may germinate following treatment. Repeat treatments will be required for long-term control of ungerminated tubers. **Sequential applications:** 1 to 2 qts. of this product in 3 to 10 gals. of water per acre will also provide control. Make applications when a majority of the plants are in the 3 to 5 leaf stage (less than 6 inches tall). Repeat this application, as necessary, when newly emerging plants reach the 3 to 5 leaf stage. Subsequent applications will be necessary for long-term control. For partial control of existing plants, apply 1 pint to 2 qts. of this product in 3 to 40 gals. of water per acre. Treat when plants have 3 to 5 leaves and most are less than 6 inches tall. Repeat treatments will be required to control subsequent emerging plants or regrowth of existing plants.		
Orchardgrass	1 to 2	3 to 40	2
	Apply 2 qts. of this product in 10 to 40 gals. of water per acre when most Orchardgrass have reached boot-to-early seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 1.5 qts. of this product in 3 to 10 gals. of water per acre. Apply to actively growing plants when most have reached 4 to 12 inches in height. **Orchardgrass sods going to no-till Corn:** Apply 1 to 1.5 qts. of this product in 3 to 10 gals. of water per acre. Apply to Orchardgrass that is a minimum of 12 inches tall for Spring applications and 6 inches tall for Fall applications. Allow at least 3 days following application before planting. A sequential application of Atrazine will be necessary for optimum results.		
Pampasgrass	3 to 5	—	1.5 to 2
	Apply when Pampasgrass is at or beyond the boot stage of growth. Thorough coverage is necessary for best control.		
Paragrass	3 to 5	3 to 40	2
	Apply when most Paragrass are in the early head stage.		
Phragmites	3 to 5	10 to 40	1 to 2
	For partial control and for best results, treat during late Summer or Fall when Phragmites are actively growing and in full bloom. Treatment before or after this stage may lead to reduced control. Due to the dense nature of the vegetation, which may prevent good spray coverage or uneven stages of growth, repeat treatments may be necessary to maintain control. Visual control symptoms will be slow to develop.		

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Perennial Weeds	Rate (Qts./Ac.)	Water (Gal./Ac.)	Handheld (% Solution)
Poison hemlock	2 to 4	—	1 to 2
	Apply as a spray-to-wet treatment. Optimum results are obtained when Poison hemlock are treated at the bud to full-bloom stage of growth.		
Pokeweed (Common)	1	3 to 40	2
	Apply to actively growing Pokeweed up to 24 inches tall.		
Quackgrass	1 to 3	3 to 40	2
	In annual cropping systems, or in pastures and sods followed by deep tillage, apply 1 qt. of this product in 3 to 10 gals. of water per acre. For 10 to 40 gals. of water per acre, apply 2 qts. of this product. Do not tank-mix with residual herbicides when using 1 qt. of this product per acre. Spray when Quackgrass is 6 to 8 inches in height. Do not till between harvest and Fall applications or in Fall or Spring prior to Spring application. Allow 3 or more days after application before tillage. In pastures or sods, use a moldboard plow for best results. In pastures, sods or non-crop areas where deep tillage does not follow application, apply 2 to 3 qts. of this product in 10 to 40 gals. of water per acre when the Quackgrass is more than 8 inches tall.		
Redvine	0.75 to 2	5 to 10	2
	For suppression, apply 0.75 qt. (24 fl. ozs.) of this product per acre at each of two applications 7 to 14 days apart or a single application of 2 qts. per acre. Apply labeled rates in 5 to 10 gals. of water per acre. Apply in late September or early October to Redvine that are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost.		
Reed (Giant)	4 to 5	—	2
	Best results are obtained when applications are made in late Summer to Fall.		
Ryegrass (Perennial)	1 to 3	3 to 40	1
	In annual cropping systems, apply 1 to 2 qts. of this product per acre. Apply 1 qt. of this product in 3 to 10 gals. of water per acre. Use 2 qts. of this product when applying 10 to 40 gals. of water per acre. In non-crop or areas where annual tillage (no-till) is not practiced, apply 2 to 3 qts. of this product in 10 to 40 gals. of water per acre. For best results, apply when most plants have reached the boot-to-head stage of growth or in the Fall prior to frost. Do not tank-mix with residual herbicides when using 1 qt. of this product per acre.		
Smartweed (Swamp)	3 to 5	3 to 40	2
	Apply when most Smartweed have reached the early bud stage of growth. Also for control, apply 0.5 qt. (16 fl. ozs.) of this product plus 0.5 lb. of 2,4-D in 3 to 10 gals. of water per acre in the late Summer or Fall.		
Sowthistle (Perennial)	2 to 3	3 to 40	2
	Apply when most Sowthistle are at or beyond the bud stage of growth. After harvest, mowing or tillage in the late Summer or Fall, allow at least 4 weeks for initiation of active growth and rosette development prior to the application of this product. Fall treatments must be applied before a killing frost. Allow 3 or more days after application before tillage.		

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Perennial Weeds	Rate (Qts./Ac.)	Water (Gal./Ac.)	Handheld (% Solution)
Spurge (Leafy)	—	3 to 10	2
	For suppression, apply 0.5 qt. (16 fl. ozs.) of this product plus 0.5 lb. of 2,4-D in 3 to 10 gals. of water per acre in the late Summer or Fall. If mowing has occurred prior to treatment, apply when most of the plants are 12 inches tall.		
Starthistle (Yellow)	2	10 to 40	2
	Best results are obtained when applications are made during periods of active growth including rosette, bolting and early flower stages.		
Sweet potato (Wild)	—	—	2
	For partial control, apply to Wild sweet potato at or beyond the bloom stage of growth. Repeat applications may be required.		
Thistle (Artichoke)	2 to 3	—	2
	For partial control, apply to Thistle at or beyond the bloom stage of growth. Repeat applications may be required.		
Thistle (Canada)	2 to 3	3 to 40	2
	Apply when most Canada thistles are at or beyond the bud stage of growth. After harvest, mowing or tillage in the late Summer or Fall, allow at least 4 weeks for initiation of active growth and rosette development prior to the application of this product. Fall treatments must be applied before a killing frost. Allow 3 or more days after application before tillage. For suppression in the Spring, apply 1 qt. of this product, or 0.5 qt. (16 fl. ozs.) of this product plus 0.5 lb. of 2,4-D in 3 to 10 gals. of water per acre. Allow rosette regrowth to a minimum of 6 inches in diameter before treating. Applications can be made as long as leaves are still green and plants are actively growing at the time of application. Allow 3 or more days after application before tillage.		
Timothy	2 to 3	3 to 40	2
	For best results, apply when most Timothy have reached the boot-to-head stage of growth.		
Torpedograss	4 to 5	3 to 40	2
	For partial control, apply when most Torpedograss are at or beyond the seedhead stage of growth. Repeat applications will be required to maintain control. Fall treatments must be applied before frost.		
Trumpetcreeper	2 to 3	5 to 10	2
	For partial control, apply in late September or October to Trumpetcreeper that are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Apply at least 1 week before a killing frost.		
Vaseygrass	3 to 5	3 to 20	2
	Apply when most Vaseygrass are in the early head stage.		
Velvetgrass	3 to 5	3 to 20	2
	Apply when most Velvetgrass are in the early head stage.		
Wheatgrass (Western)	2 to 3	3 to 40	2
	For best results, apply when most Wheatgrass have reached the boot-to-head stage of growth.		

* For improved control of Bentgrass, apply this product at 2 to 4 qts. per acre broadcast in tank-mixture with Clethodim, Fluazifop-p-butyl, Fluazifop-p-butyl + Fenoxaprop-p-ethyl or Sethoxydim. For spot treatment, apply this product at the rate of 2.66 fl. ozs. in 1 gal. of water in tank-mixture with these herbicides and spray-to-wet. Refer to the label of the tank-mix product for use directions and precautions. Follow the most restrictive label.

WOODY BRUSH AND TREES

Apply this product when plants are actively growing and after full leaf expansion, unless otherwise directed. Use the higher rate for larger plants and/or dense areas of growth. On vines, use the higher rate for plants that have reached the woody stage of growth. Best results are obtained when application is made in late Summer or Fall after fruit formation.

In arid areas, best results are obtained when applications are made in the Spring to early Summer when brush species are at high moisture content and are flowering.

Unless otherwise directed, apply broadcast treatments in minimum 3 gallons of water per acre.

When using handheld equipment, ensure thorough coverage. Use 5 to 10% solution of this product when using handheld or high volume application methods that result in less than complete coverage.

Symptoms may not appear prior to frost or senescence with Fall treatments.

Allow 7 or more days after application before tillage, mowing or removal. Repeat treatments may be necessary to control plants regenerating from underground parts or seed. Some autumn colors on undesirable deciduous species are acceptable provided no major leaf drop has occurred. Reduced performance may result if Fall treatments are made following a frost.

Woody Brush/Tree Species	Rate (Qts./Ac.)	Handheld (% Solution)
Alder	3 to 4	1 to 1.5
Ash*	2 to 5	1 to 2
Aspen (Quaking)	2 to 3	1 to 1.5
Bearmat (Bearclover)*	2 to 5	1 to 2
Beech*	2 to 5	1 to 2
Birch	2 to 3	1 to 1.5
Blackberry	3 to 4	1 to 1.5
Apply after plants have reached full leaf maturity. Best results are obtained when applications are made in late Summer or Fall. Applications may also be made after leaf drop and until a killing frost or as long as stems are green. After berries have set or dropped in late Fall, Blackberry can be controlled by applying a 0.75% solution of this product. For control of Blackberries after leaf drop and until killing frost or as long as stems are green, apply 3 to 4 qts. of this product in 10 to 40 gals. of water per acre.		
Blackgum	2 to 5	1 to 2
Bracken	2 to 5	1 to 2
Broom (French, Scotch)	2 to 5	1.5 to 2
Buckwheat (California)*	2 to 4	1 to 2
For best results, thorough coverage of foliage is necessary.		
Cascara*	2 to 5	1 to 2
Catsclaw	—	1 to 1.5
Ceanothus*	2 to 5	1 to 2
Chamise*	2 to 5	1
Cherry (Bitter, Black, Pin)	2 to 3	1 to 1.5
Coyote brush	3 to 5	1.5 to 2
Apply when at least 50% of the new leaves are fully developed.		
Dogwood*	2 to 5	1 to 2
Dewberry	3 to 4	1 to 1.5
Elderberry	2 to 3	1 to 1.5
Elm*	2 to 5	1 to 2
Eucalyptus	—	2
For control of Eucalyptus resprouts, apply when resprouts are 6 to 12 feet tall. Ensure complete coverage. Avoid application to drought-stressed plants.		
Florida holly (Brazilian peppertree)*	2 to 5	1 to 2
Gorse*	2 to 5	1 to 2
Hasardia*	2 to 4	1 to 2
For best results, thorough coverage of foliage is necessary.		
Hawthorn	2 to 3	1 to 1.5
Hazel	2 to 3	1 to 1.5
Hickory*	2 to 5	1 to 2
Honeysuckle	3 to 4	1 to 1.5
Hornbeam (American)*	2 to 5	1 to 2
Kudzu	4 to 5	2
Repeat applications may be required to maintain control.		

(Continued)

(Cont.)

Woody Brush/Tree Species	Rate (Qts./Ac.)	Handheld (% Solution)
Locust (Black)*	2 to 4	1 to 2
Madrone resprouts*	—	2
Apply to resprouts that are 3 to 6 feet tall. Best results are obtained with Spring/early Summer treatments.		
Manzanita*	2 to 5	1 to 2
Maple (Red)	2 to 4	1 to 1.5
Apply 1 to 1.5% solution when at least 50% of the new leaves are fully developed. For partial control, apply 2 to 4 qts. of this product per acre.		
Maple (Sugar)	—	1 to 1.5
Apply when at least 50% of the new leaves are fully developed.		
Monkey flower*	2 to 4	1 to 2
Thorough coverage of foliage is necessary for best results.		
Oak (Black, White)*	2 to 4	1 to 2
Oak (Post)	3 to 4	1 to 1.5
Oak (Northern)	—	1 to 1.5
Apply when at least 50% of the new leaves are fully developed.		
Oak (Southern, Red)	2 to 3	1 to 1.5
Persimmon*	2 to 5	1 to 2
Pine	2 to 5	1 to 2
Poison ivy / Poison oak	4 to 5	2
Repeat applications may be required to maintain control. Fall treatments must be applied before leaves lose green color.		
Poplar (Yellow)*	2 to 5	1 to 2
Raspberry	3 to 4	1 to 1.5
Redbud (Eastern)	2 to 5	1 to 2
Rose (Multiflora)	2	1
On Poplar, Redbud and Rose (Multiflora), apply prior to leaf deterioration by leaf-eating insects.		
Russian olive*	2 to 5	1 to 2
Sage (Black)	2 to 4	1
For best results, thorough coverage of foliage is necessary.		
Sage (White)*	2 to 5	1 to 2
Sage brush (California)	2 to 4	1
For best results, thorough coverage of foliage is necessary.		
Salmonberry	2 to 3	1 to 1.5
Saltcedar*	2 to 5	1 to 2
Sassafras*	2 to 5	1 to 2
Sourwood*	2 to 5	1 to 2
Sumac (Poison, Smooth, Winged)*	2 to 4	1 to 2
Sweetgum	2 to 3	1 to 1.5
Swordfern*	2 to 5	1 to 2
Tallowtree (Chinese)	—	1
For best results, thorough coverage of foliage is necessary.		
Tan oak resprouts*	—	2
Apply to resprouts that are less than 3 to 6 feet tall. Best results are obtained with Fall applications.		
Thimbleberry	2 to 3	1 to 1.5
Tobacco (Tree)*	2 to 4	1 to 2
Trumpetcreeper	2 to 3	1 to 1.5
Vine maple*	2 to 5	1 to 2
Virginia creeper	2 to 5	1 to 2
Wax myrtle (Southern)*	2 to 5	1 to 2
Willow	3 to 4	1 to 1.5
* Partial control		

USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS

NOTE: THIS SECTION GIVES DIRECTIONS THAT APPLY TO ALL LISTED CROPS BELOW. SEE THE INDIVIDUAL CROP CATEGORIES FOR SPECIFIC INSTRUCTIONS, PRE-HARVEST INTERVAL (PHI), AND ADDITIONAL PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATIONS:

Chemical Fallow, Pre-plant Fallow Beds, Pre-plant, Pre-emergence, At-Planting, Hooded Sprayers in Row Middles, Shielded Sprayers in Row Middles, Wiper Applications in Row Middles, and Post-harvest Treatments.

USE INSTRUCTIONS:

Apply this product during fallow intervals preceding planting, prior to planting or transplanting, at-planting, or pre-emergent to annual and perennial crops listed in this label, except where specifically

limited. For any crop not listed in this label, applications must be made at least 30 days prior to planting. Unless otherwise specified, weed control applications may be made according to the rates listed for annual and perennial weeds and woody brush and trees in the *"WEEDS CONTROLLED AND RATES"* section of this label. Repeat applications may be made up to a maximum of 8 quarts per acre per year.

Post-directed hooded sprayers and wiper equipment capable of preventing all crop contact with herbicide solutions may be used in mulched or unmulched row middles after crop establishment. Where specifically noted below, wipers may also be used above certain crops to control tall weeds. Refer to the *"SELECTIVE EQUIPMENT"* section of this label for essential precautions when using hooded sprayers or wipers to avoid crop injury caused by leakage of spray mists or dripping onto crops. Crop injury is possible with these applications.

The maximum use rates stated throughout this label apply to this product combined with the use of all other herbicides containing Glyphosate or Sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other Glyphosate or Sulfosate containing products does not exceed stated maximum use rate.

USE PRECAUTIONS:

Avoid contact of herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops because severe injury or destruction may result. When making pre-emergence and at-planting applications, applications must be made before crop emergence to avoid severe crop injury. Broadcast applications made at emergence will result in injury or death to emerged seedlings. Apply before seed germination in *Coarse sandy soils* to further minimize the risk of injury.

In crops where spot treatments are allowed, treat less or equal to 10% of the total field to be harvested. The crop receiving spray in treated area will be killed. Take care to avoid drift or spray outside the target area for the same reason.

USE RESTRICTIONS:

Unless otherwise specified in this product's labeling, treatments with selective equipment including wipers and hooded sprayers must be made at least 14 days prior to harvest. Post-harvest or fallow applications must be made at least 30 days prior to planting any non-labeled crop. See *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for additional information.

For broadcast post-emergent treatments, do not harvest or feed treated vegetation for 8 weeks following application, unless otherwise specified.

Cereal and Grain Crops

[Barley, Buckwheat, Millet (Pearl, Proso), Oats, Rice, Rye, Quinoa, Teff, Teosinte, Triticale, Wheat (All types), Wild Rice]

USE RESTRICTIONS: Do not treat Rice fields or levees when field contains water/floodwater.

TYPES OF APPLICATIONS: Those listed above in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* plus the following: Red Rice Control Prior to Planting Rice, Spot Treatment (except Rice), Over-the-top Wiper Applications (Feed Barley and Wheat Only), Pre-harvest (Feed Barley and Wheat Only).

Pre-plant, Pre-emergence, At-planting Applications:

This product may be applied before, during or after planting of cereal crops. Applications must be made prior to emergence of the crop.

Control of Red Rice Prior to Planting Rice:

Apply 1.5 quarts of this product in 5 to 10 gallons of water per acre. Flush fields prior to application to obtain uniform germination and stand of Red rice. Make application when the majority of the Red rice plants are in the 2 leaf stage and no more than 4 inches tall. Red rice plants with less than 2 true leaves may be only partially controlled.

USE PRECAUTIONS: Avoid spraying during low humidity conditions, as reduced control may result.

USE RESTRICTIONS: Do not reflood treated fields for 8 days following application.

Spot Treatment (Except Rice):

This product may be applied as a spot treatment in cereal crops. Apply this product before heading in small grains.

USE PRECAUTIONS: Treat less than or equal to 10% of the total field area to be harvested. The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside target area.

USE RESTRICTIONS: Do not treat Rice fields or levees when the fields contain floodwater.

Over-the-top Wiper Applications (Feed Barley and Wheat Only):

Wiper applications may be used in feed Barley and Wheat. To control common Rye or cereal Rye, apply after the weeds have headed and achieved maximum growth, and when the Rye is at least 6 inches above the Wheat crop.

USE RESTRICTIONS: Allow at least 35 days between application and harvest. Do not use roller applicators.

Pre-harvest Applications (Feed Barley and Wheat Only):

This product provides weed control when applied prior to harvest of Wheat or feed Barley. For Wheat, apply after the hard-dough stage of grain (30% or less grain moisture). For feed Barley, apply after the hard-dough stage and when the grain contains 20% moisture or less. Stubble may be grazed immediately after harvest.

This product may be applied using either aerial or ground spray equipment. For ground applications, apply this product in 10 to 20 gallons of water per acre. For aerial applications, apply this product in 3 to 10 gallons of water per acre.

USE PRECAUTIONS: Pre-harvest application to Wheat or Barley grown for seed may reduce in germination or vigor.

USE RESTRICTIONS: Do not apply more than 1 quart of this product per acre. Allow 7 days between application and harvest or grazing.

Post-harvest Applications:

This product may be applied after harvest of cereal crops. Higher rates may be required for control of large weeds which were growing in the crop at the time of harvest. Tank-mixtures with 2,4-D or Dicamba may be used.

USE RESTRICTIONS: For any crop not listed on this label, applications must be made at least 30 days prior to planting the next crop. Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

Non-selective Control of Annual Weeds in Small Grain Cropping Systems (South Dakota Only):

Refer to the *"WEEDS CONTROLLED AND RATES"* section of this label for rates and weeds controlled. Apply in 3 to 5 gallons of water per acre by ground and 2 to 3 gallons of water per acre for aerial applications.

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.

Do not allow the herbicide solution to mist, drip, drift, or splash onto desirable vegetation since minute quantities of this herbicide can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product is greatest when winds are gusty or in excess of 5 mph or when other conditions, including lesser wind velocities, will allow spray drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) that are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE. **Note:** To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

Adjust boom height on ground equipment to prevent streaked, overlapped or uneven applications. Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations that dispense spray as fine spray droplets. In aerial applications, do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. Ensure uniform application. Use appropriate marking devices when applying herbicides by air. Avoid spraying when weeds are subject to moisture stress, when dust is on foliage, or when straw canopy covers the weeds.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residue of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF PART. LANDING GEAR IS MOST SUSCEPTIBLE. The maintenance of an organic coating (paint) which meets aerospace specification MIL-C-38413 may prevent corrosion.

Corn

[Field, Pop, Seed, Silage, Sweet]

TYPES OF APPLICATIONS: Those listed in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* plus the following: Pre-harvest.

For Roundup Ready Corn, see the *"ROUNDUP READY CROPS"* section of this label.

Pre-plant, Pre-emergence, At-planting Applications:

This product may be applied alone or in a tank-mixture before, during or after planting Corn. Applications must be made prior to emergence of the crop.

Tank-Mixtures:

Apply these tank-mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre. Individual tank-mix product must be registered for use on this site. When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

2,4-D	Flufenacet	Metolachlor	Thifensulfuron
Acetochlor	Flumetsulam	Nicosulfuron	Topramezone
Alachlor	Glufosinate	Pendimethalin	Tembotrione
Atrazine	Imazethapyr	Prosulfuron	Thiencarbazone/
Bromoxynil	Isoxaflutole	Pyroxasulfone	Isoxaflutole
Dicamba	Linuron	Rimsulfuron	
Diflufenzopyr	Mesotrione	Saflufenacil	
Dimethenamid-P	Metribuzin	Simazine	

For difficult-to-control annual weeds such as Barnyardgrass, Crabgrass, Fall panicum, Shattercane and broadleaf Signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply this product at 1 quart per acre in these tank-mixtures. For other labeled annual weeds, apply 0.75 to 1 quart of this product per acre when weeds are less than 6 inches tall, and 1 to 1.5 quarts when weeds are over 6 inches tall.

When using nitrogen solutions as the carrier, use rate may need to be increased for acceptable weed control.

USE RESTRICTIONS: Applications of 2,4-D or Dicamba must be made at least 7 days prior to planting Corn.

For Southern states, do not apply in nitrogen solutions to tough-to-control grasses such as Barnyardgrass, Fall panicum, Broadleaf signalgrass, Annual Ryegrass and any perennial weeds. The area covered includes from Route 50 South in Illinois and Indiana and the following states: Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, New Jersey, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia.

Hooded Sprayers:

This product may be used through hooded sprayers for weed control between the rows of Corn. Only hooded sprayers that completely enclose the spray pattern may be used. See additional instruction for the use of hooded sprayers in the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label.

USE PRECAUTIONS: Contact of this product in any manner to any vegetation to which treatment is not intended may cause damage.

USE RESTRICTIONS: Do not apply more than 1 quart of this product per acre for each application and no more than 3 quarts per acre per year for hooded sprayer applications. Corn must be at least 12 inches tall, measured without extending leaves.

Spot Treatment:

For spot treatments, apply this product prior to silking of Corn.

USE PRECAUTIONS: Treat less than or equal to 10% of the total field area to be harvested. The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside target area.

Pre-harvest Applications:

Make applications at 35% grain moisture or less. Ensure that maximum kernel fill is complete and the Corn is physiologically mature (black layer formed). For ground applications, apply up to 3 quarts of this product per acre. For aerial applications, apply up to 2 quarts of this product per acre.

USE PRECAUTIONS: Pre-harvest application to Corn grown for seed may reduce germination or vigor.

USE RESTRICTIONS: Allow a minimum of 7 days between application and harvest.

Post-harvest Applications:

This product may be applied after harvest of Corn. Higher rates may be required for control of large weeds which were growing in the crop at the time of harvest. Tank-mixtures with 2,4-D or Dicamba may be used.

USE RESTRICTIONS: Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

Cotton

TYPES OF APPLICATIONS: Those listed in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* plus the following: Selective equipment, Spot Treatment, Pre-harvest.

For Roundup Ready Cotton, see the *"ROUNDUP READY CROPS"* section of this label.

Pre-plant, Pre-emergence, At-planting Applications:

This product may be applied before, during or after planting Cotton.

USE RESTRICTIONS: Applications must be made prior to emergence of the crop.

TANK-MIXTURES: Apply these tank-mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre. Individual tank-mix product must be registered for use on this site. When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

2,4-D	Diuron	Fomesafen	Prometryn
Clomazone	Flumioxazin	Metolachlor	Pyrithiobac
Dicamba	Fluometuron	Pendimethalin	Trifluralin

Hooded Sprayer, Selective Equipment:

This product may be applied through hooded sprayers, shielded applicators or wiper applicators in Cotton.

USE RESTRICTIONS: Allow at least 7 days between application and harvest.

USE PRECAUTIONS: See the *"SELECTIVE EQUIPMENT"* section of this label for information on proper use and calibration of this equipment.

Spot Treatment:

For spot treatments, apply this product prior to boll opening of Cotton.

USE PRECAUTIONS: Treat less than or equal to 10% of the total field area to be harvested. The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside target area.

Pre-harvest Applications:

This product provides weed control and Cotton regrowth inhibition when applied prior to harvest of Cotton. For weed control, apply at rates given in the *"ANNUAL WEEDS"*, *"PERENNIAL WEEDS"*, and *"WOODY BRUSH AND TREES"* sections of this label.

For Cotton regrowth inhibition, apply 0.5 to 2 quarts of this product per acre. Up to 2 quarts of this product may be applied using either aerial or ground spray equipment. Apply after sufficient bolls have developed to produce the desired yield of Cotton. Applications made prior to this time could affect maximum yield potential.

TANK-MIXTURES: This product may be tank-mixed with Tribufos, Thidiazuron + Diuron, or Ethephon to provide additional enhancement of Cotton leaf drop.

USE RESTRICTIONS: Allow a minimum of 7 days between application and harvest of Cotton. Pre-harvest application to Cotton grown for seed may reduce germination or vigor. THE USE OF ADDITIVES, OTHER THAN THOSE LISTED ON THIS LABEL, FOR PRE-HARVEST APPLICATION TO COTTON IS PROHIBITED.

Fallow and Reduced Tillage Systems

Fallow Systems

TYPES OF APPLICATIONS: Chemical Fallow, Pre-plant Fallow Beds, Aid-to-Tillage.

Chemical Fallow:

This product may be applied during the fallow period prior to planting or emergence of any crop listed on this label. This product may be used as a substitute for tillage to control annual weeds in fallow fields. Also, broadcast or spot treatments will control or suppress many perennial weeds in fallow fields. Ground or aerial application equipment may be used. Tank-mixtures with 2,4-D and Dicamba may be used. Applications up to 2 quarts per acre may be made by aerial application in fallow sites where there is sufficient buffer to prevent injury due to drift onto adjacent crops.

USE PRECAUTIONS: Some crop injury may occur if Dicamba is applied within 45 days of planting.

USE RESTRICTIONS: For any crop not listed on this label, applications must be made at least 30 days prior to planting. Do not apply Dicamba tank-mixtures by air in California.

Refer to the specific product labels for crop rotation restrictions and precautionary statements of all products used in tank-mixtures.

Pre-plant Applications on Fallow Beds:

This product may be applied to fallow beds prior to planting or emergence of any crop listed on this label. For any crop not listed on this label, applications must be made at least 30 days prior to planting. This product will control weeds listed in the *"WEEDS CONTROLLED AND RATES"* section of this label.

USE RESTRICTIONS: For any crop not listed on this label, applications must be made at least 30 days prior to planting. Do not apply Dicamba tank-mixtures by air in California.

Refer to the specific product labels for crop rotation restrictions and precautionary statements of all products used in tank-mixtures.

TANK-MIXTURES:

12 fluid ounces of this product plus appropriate rate of Oxyfluorfen per acre will control the following weeds:

Weeds (3 Inches Maximum Height or Length)	Weeds (6 Inches Maximum Height or Length)
Cheeseweed (Common) Chickweed Groundsel	London rocket Shepherdspurse

16 fluid ounces of this product plus appropriate rate of Oxyfluorfen per acre will control the following weeds:

Weeds (6 Inches Maximum Height or Length)	Weeds (12 Inches Maximum Height or Length)
Cheeseweed (Common) Groundsel Horseweed/Marestail *(Conyza canadensis)*	Chickweed London rocket Shepherdspurse

When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

Reduced Tillage Systems

Use this product in reduced-tillage systems for control of annual weeds prior to emergence of crops listed in this label. Refer to the *"WEEDS CONTROLLED AND RATES"* section of this label for specific rates. See the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for instructions.

Tank-Mixtures of This Product:

plus Dicamba plus non-ionic surfactant
plus 2,4-D plus non-ionic surfactant
plus Oxyfluorfen plus non-ionic surfactant

USE RESTRICTIONS: DO NOT APPLY DICAMBA TANK-MIXTURES BY AIR IN CA.

This product may be tank-mixed with the products listed, provided the product tank-mixed is registered for use on the listed site. Applications of 2,4-D or Dicamba must be made at least 7 days prior to planting Corn.

The addition of Dicamba in a mixture with this product may provide short-term residual control of selected weed species. Some crop injury may occur if Dicamba is applied within 45 days of planting. Refer to the Dicamba and 2,4-D labels for cropping restrictions and other use instructions.

This Product Alone or in Tank-mixture with Oxyfluorfen

This product alone or in tank-mixtures with Oxyfluorfen plus 0.5 to 1% non-ionic surfactant by total spray volume will provide control of the weeds listed below. Make applications when weeds are actively growing or at their specified stages of growth. Avoid spraying when weeds are subject to moisture stress, when dust is on the foliage or when straw canopy covers the weeds. These tank-mixtures may be applied using ground or aerial spray equipment.

This Product* (12 Fl. Ozs./Ac.)	
Weed	**Maximum Height or Length**
Barnyardgrass, Bluegrass (Annual), Rye	6 inches
Barley	12 inches
Wheat	18 inches
This Product* (16 Fl. Ozs./Ac.)	
Weeds (Above) Plus:	
Chickweed, Groundsel, London rocket, Horseweed/Marestail (*Conyza canadensis*), Ryegrass (Annual), Shepherdspurse	6 inches
Crabgrass, Johnsongrass (Seedling), Lambsquarters, Oats (Wild), Pigweed (Redroot), Mustards	12 inches
This Product* (12 Fl. Ozs.) + Appropriate Rate of Oxyfluorfen Per Ac.**	
Weeds (Above) Plus:	
Cheeseweed (Common), Chickweed, Groundsel	3 inches
London rocket, Shepherdspurse	6 inches
This Product* (12 Fl. Ozs.) + Appropriate Rate of Oxyfluorfen Per Ac.**	
Weeds (Above) Plus:	
Cheeseweed (Common), Groundsel	6 inches
Chickweed, London rocket, Shepherdspurse	12 inches

* Use 32 fl. ozs. (1 qt.) of this product per acre where heavy weed densities exist.

** Use the higher rate of Oxyfluorfen when weeds approach maximum stated height or stands are dense.

Ecofarming Systems

The Ecofarming System consists of the following rotation: Winter Wheat, Corn/Sorghum, Ecofallow.

Use the tank-mixtures below for control of emerged annual weeds before planting Corn or Sorghum in the Ecofarming System.

This product at 16 to 20 fluid ounces per acre plus 2,4-D at 0.375 to 0.5 pound active ingredient per acre plus Atrazine at 0.75 to 1 pound active ingredient per acre plus Acetochlor at label specified rates per acre: Apply this tank-mixture in 28-0-0 or 32-0-0 liquid fertilizer carrier at 20 to 30 gallons per acre. The liquid fertilizer may be diluted with water to achieve the desired carrier volume.

The following weeds, up to a maximum height of 4 inches, will be controlled:

Brome (Downy)	Foxtail (Yellow)	Pigweed (Redroot)
Cheat	Kochia*	Thistle, Russian
Foxtail (Green)	Prickly lettuce	Wheat (Volunteer)

* For improved control of Kochia, add Dicamba at 0.125 lb. a.i. per acre to the above tank-mixture.

Risk of crop injury from 2,4-D or Dicamba can be reduced by applying this treatment 7 to 14 days before planting. Refer to the label booklet for Lasso herbicide for pre-emergence weed control achieved by this tank-mixture. Refer to the specific product labels for crop rotation restrictions and precautionary statements for all products used in these tank-mixtures. Follow the most restrictive label.

USE RESTRICTIONS: THE USE OF THIS PRODUCT IN ECOFARMING SYSTEMS ARE NOT REGISTERED FOR USE IN CALIFORNIA.

Aid-To-Tillage

This product may be used in conjunction with tillage practices in fallow systems or pre-plant to labeled crops to control Downy brome, Cheat, Volunteer Wheat, Tansy mustard, and Foxtail. Apply 12 fluid ounces of this product in 3 to 10 gallons of water per acre before weeds are 6 inches in height. Application must be followed by conventional tillage practices no later than 15 days after treatment and before regrowth occurs. Allow at least 1 day after application before tillage.

USE PRECAUTIONS: Tank-mixtures with residual herbicides may result in reduced performance.

USE RESTRICTIONS: Allow at least 1 day after application before tillage.

Grain Sorghum (Milo)

TYPES OF APPLICATIONS: Those listed in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* plus the following: Spot Treatment, Over-the-top, Wiper Applications, Pre-harvest.

Pre-plant, Pre-emergence, At-planting Applications:

This product may be applied alone or in tank-mixture before, during or after planting Grain sorghum. Applications must be made prior to emergence of the crop.

Tank-Mixtures:

Apply these tank-mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre. Individual tank-mix product must be registered for use on this site.

Acetochlor Alachlor	Atrazine	Metolachlor	Propazine

For difficult-to-control annual weeds such as Fall panicum, Barnyardgrass, Crabgrass, Shattercane and broadleaf Signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply this product at 1 quart per acre in these tank-mixtures. For other labeled annual weeds, apply 0.75 to 1 quart of this product per acre when weeds are less than 6 inches tall, and 1 to 1.5 quarts when weeds are over 6 inches tall. When using nitrogen solutions as the carrier, the use rate may need to be increased for acceptable weed control.

Spot Treatment, Over-the-top Wiper Applications:

This product may be applied as a spot treatment in Grain sorghum. Make spot treatments before heading of Milo. This product may be applied with wiper applicators to control or suppress the weeds listed under *"Wiper Applicators"* in the *"SELECTIVE EQUIPMENT"* section of this label.

USE RESTRICTIONS: For spot treatment, do not treat more than 10% of the total field area to be harvested. The crop receiving spray in treated area will be killed. Take care to avoid drift or spray outside target area for the same reason. For wiper applicators, allow at least 40 days between application and harvest. Do not use roller applicators. Do not feed or graze treated Milo fodder. Do not ensile treated vegetation.

Hooded Sprayers:

This product may be used through hooded sprayers for weed control between the rows of Milo. Only hooded sprayers that completely enclose the spray pattern may be used. See additional instruction for the use of hooded sprayers in the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label.

Crop injury may occur when the foliage of treated weeds comes into direct contact with leaves of the crop. Do not apply this product when the leaves of the crop are growing in direct contact with weeds to be treated. Droplets, mist, foam or splatter of the herbicide solution may contact the crop and cause discoloration, stunting or destruction.

USE PRECAUTIONS: Treat before Milo sends tillers between the drill rows. If such tillers are contacted with the spray solution, the main plant may be killed. Contact of this product in any manner to any vegetation to which treatment is not intended may cause damage.

USE RESTRICTIONS: Do not graze or feed Milo forage or fodder following applications of this product through hooded sprayers. Do not apply more than 1 quart of this product per acre per application and no more than 3 quarts per acre per year for hooded sprayer applications. Milo must be at least 12 inches tall, measured without extending leaves.

Pre-harvest Applications:

Make applications at 30% grain moisture or less.

USE PRECAUTIONS: Just like with other herbicides that causes sudden plant death, avoid pre-harvest applications of this product to Milo infected with charcoal rot as lodging can occur. Pre-harvest application to Sorghum grown for seed may reduce germination or vigor.

USE RESTRICTIONS: Do not apply more than 2 quarts of this product per acre. Allow a minimum of 7 days between application and harvest of Sorghum. The use of this product for pre-harvest Grain sorghum (Milo) is not registered in California.

Post-harvest Applications:

This product may be applied after harvest of Grain sorghum. Higher rates may be required for control of large weeds which were growing in the crop at the time of harvest. Tank-mixtures with 2,4-D or Dicamba may be used.

This product may be applied to Grain sorghum (Milo) stubble following harvest to suppress or control regrowth. Apply 1 quart of this product per acre for control or 0.75 quart of this product per acre for suppression.

USE RESTRICTIONS: Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

Herbs and Spices

[Allspice, Angelica, Star anise, Annatto (Seed), Balm, Basil, Borage, Burnet, Camomile, Caper buds, Caraway, Black caraway, Cardamom, Cassia bark, Cassia buds, Catnip, Celery seed, Chervil (Dried), Chive, Chinese chive, Cinnamon, Clary, Clove buds, Coriander leaf (Cilantro or Chinese parsley), Coriander seed (Cilantro), Costmary, Culantro (Leaf), Culantro (Seed), Cumin, Curry (Leaf), Dill (Dillweed), Dill (Seed), Epazote, Fennel seed (Common and Florence), Fenugreek, Grains of paradise, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage (Leaf and Seed), Mace, Marigold, Marjoram (including Oregano), Oregano, Mioga flower, Mustard (Seed), Nasturtium, Nutmeg, Parsley (Dried), Pennyroyal, Pepper (Black and White), Pepper leaves, Peppermint, Perilla, Poppy (Seed), Rosemary, Rue, Saffron, Sage, Savory (Summer and Winter), Spearmint, Stevia leaves, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff, Wormwood]

TYPES OF APPLICATIONS: Those listed in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* plus the following: Over-the-Top Wiper Applications and Spot Treatments on Peppermint and Spearmint Only.

USE PRECAUTIONS: When applying this product prior to transplanting or direct-seeding crops into plastic mulch, care must be taken to remove residues of this product, which could cause crop injury, from the plastic prior to planting. Residues can be removed by a single one-half inch application of water, either by natural rainfall or by a sprinkler system. For some crops below, make applications 3 days before transplanting or planting.

Over-the-top Wiper Applications, Spot Treatments (Peppermint and Spearmint Only):

Apply spot treatments on a spray-to-wet basis with handheld equipment such as backpack and knapsack sprayers, pump-up pressure sprayers, handguns, handwands or any other handheld or motorized spray equipment used to direct the spray solution to a limited area.

In wiper applications, the applicator must be adjusted so that the wiper contact point is at least 2 inches above the crop. Weeds need to be a minimum of 6 inches taller than the crop.

USE PRECAUTIONS: Further applications may be made in the same area at 30 day intervals. In wiper applications, contact of the herbicide solution with the crop may result in damage or destruction.

USE RESTRICTIONS: Allow at least 7 days between application and harvest. In spot treatment applications, no more than 10% of the total field area to be harvested can be treated at one time. The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside the target area for this reason.

Oil Seed Crops

[Buffalo gourd (Seed), Canola, Flax, Jojoba, Lesquerella, Meadowfoam, Mustard, Rape, Safflower, Sesame, Sunflower]

For Roundup Ready Canola, see the *"ROUNDUP READY CROPS"* section of this label.

TYPES OF APPLICATIONS: Those listed in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* plus Pre-harvest (except Buffalo gourd).

USE RESTRICTIONS: On Canola, do not apply more than 2 quarts of this product per acre. On Sunflowers, do not apply more than 1 quart of this product per acre as a single pre-plant or pre-emergent application per year. Do not feed or graze Sunflower forage following application of this product.

Pre-plant, Pre-emergence, At-planting Applications:

This product may be applied before, during or after planting oil seed crops. Broadcast applications must be made prior to emergence of the listed oil seed crops. Wiper applicators or hooded sprayers may be used between the rows once the crop is established.

Tank-Mixtures:
For Sunflowers, a tank-mixture with Pendimethalin may be applied before, during or after planting in conventional tillage systems, into a cover crop, established sod or in previous crop residue.

Pasture Grasses, Forage Legumes, and Rangelands

Alfalfa, Clover, and Other Forage Legumes – Alfalfa, Clover, Kenaf, Kudzu, Lespedeza, Leucaena, Lupin, Sainfoin, Trefoil, Velvet bean, Vetch (All types)
TYPES OF APPLICATIONS: Pre-plant, Pre-emergence, At-planting, Spot Treatment (Alfalfa and Clover Only), Over-the-top Wiper Applications (Alfalfa and Clover Only), Renovation, Pre-harvest (Alfalfa Only).

Pre-plant, Pre-emergence, At-planting Applications:
This product may be applied before, during or after planting crops listed in this section. Applications must be made prior to emergence of the crop.
USE RESTRICTIONS: If a single application is made at rates of 2 quarts per acre or less, no waiting period between treatment and feeding or grazing is required. If application rates greater than 2 quarts per acre are made, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Alfalfa and Clover Only

Spot Treatment, Over-the-top Wiper Applications:
This product may be applied as a spot treatment in Alfalfa or Clover. This product may be applied with wiper applicators to control or suppress the weeds listed under *"WIPER APPLICATORS"* in the *"SELECTIVE EQUIPMENT"* section of this label. Applications may be made in the same area at 30 day intervals.
USE RESTRICTIONS: No more than 10% of the total field area can be treated at one time. Remove domestic livestock before application and wait 14 days after application before grazing livestock or harvesting. For spot treatment and wiper applications, apply in areas where the movement of domestic livestock can be controlled.

Alfalfa Only

Pre-harvest Applications:
This product may be used in declining Alfalfa stands or any stand of Alfalfa where crop destruction is acceptable. This application will severely injure or destroy the stand of Alfalfa. This product will control annual and perennial weeds, including Quackgrass when applied prior to the harvest of Alfalfa.
The treated crop and weeds can be harvested and fed to livestock after 36 hours. Allow a minimum of 36 hours between application and harvest. Applications may be made at any time of the year. Make only one application to an existing stand of Alfalfa per year. For control of Quackgrass, apply in the Spring, late Summer or Fall when Quackgrass is actively growing. Treatments for Quackgrass must be followed by deep tillage for complete control.
USE PRECAUTIONS: Pre-harvest application in Alfalfa grown for seed may reduce germination or vigor.
USE RESTRICTIONS: Do not apply more than 2 quarts of this product per acre as a pre-harvest treatment.

Alfalfa (Dormant)
This product will control or suppress many weeds including Cheatgrass, Downy brome, and Quackgrass in dormant Alfalfa. Apply 8 to 12 fluid ounces of this product per acre in the Spring to Alfalfa that is dormant after Spring temperatures have warmed enough to encourage resumption of weed growth, but prior to initiation of trifoliate leaf expansion of the Alfalfa. Applications made after expansion of the first trifoliate leaf of the Alfalfa will cause growth reduction and reduced crop yield. Do not use this product where a slight yield reduction in the first cutting of Alfalfa cannot be tolerated.
USE RESTRICTIONS: Do not use Ammonium sulfate when spraying dormant Alfalfa with this product. Do not make more than one application per year.
Allow 36 hours after application before grazing livestock or harvesting. Slight discoloration of the Alfalfa may occur, but the Alfalfa will regreen and regrow under moist soil conditions as effects of this product wear off.

Alfalfa, Clover and Other Labeled Forage Legumes

Renovation:
This product may be applied as a broadcast spray to renovate existing stands of Alfalfa, Clover, and other labeled forage legumes. Labeled crops may be planted into the treated area.
USE RESTRICTIONS: Remove domestic livestock before application. If application rates of 2 quarts per acre or less are used wait 36 hours after application before grazing or harvesting. If application rates greater than 2 quarts per acre are used, wait 8 weeks between applications and grazing or harvesting.

Conservation Reserve Program (CRP)
TYPES OF APPLICATIONS: Renovation (rotating out of CRP), Site Preparation, Post-emergence Weed Control in Dormant CRP Grasses, Over-the-top Wiper Applications.

Renovation (Rotating out of CRP), Site Preparation:
This product may be used to prepare CRP land for crop production. Refer to Federal, state or local use guides for CRP renovation instructions. For any crop not listed in the *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* sections of the label, applications must be made at least 30 days prior to planting.
USE RESTRICTIONS: Do not apply more than 3 quarts (96 fl. ozs.) per acre per year onto CRP grasses.

Post-emergence Weed Control in Dormant CRP Grasses, Over-the-top Wiper Applications:
This product may be used to suppress competitive growth and seed production of undesirable vegetation in CRP acres. Such applications may be made with wiper application equipment or as a broadcast or spot treatment to dormant CRP grasses.
For selective applications with broadcast spray equipment, apply 12 to 16 fluid ounces of this product per acre in early Spring before desirable CRP grasses, such as crested and tall Wheatgrass, break dormancy and initiate green growth. Late Fall applications can be made after desirable perennial grasses have reached dormancy.
USE PRECAUTIONS: Some stunting of CRP perennial grasses will occur if broadcast applications are made when plants are not dormant.
USE RESTRICTIONS: Do not apply more than 3 quarts (96 fl. ozs.) per acre per year onto CRP grasses.

Grass or Turf grass Seed Production – Any Grass (*Gramineae* family) Except Corn, Sorghum, Sugarcane and those listed under *"CEREAL AND GRAIN CROPS"*
TYPES OF APPLICATIONS: Pre-plant, Pre-emergence, Renovation, Site preparation, Shielded sprayers, Over-the-top Wiper Applications, Spot Treatments, Creating Rows in Annual Ryegrass, Tolerant Tall Fescue Selections.

Pre-plant, Pre-emergence, Renovation, Site Preparation:
This product may be applied before, during, or after planting, or for renovation of Turf or Forage grass areas grown for seed production. Applications must be made prior to the emergence of the crop to avoid crop injury. For maximum control of existing vegetation, delay planting to determine if any regrowth from escaped underground plant parts occurs. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. For warm-season grasses such as Bermudagrass, Summer or Fall applications provide best control.
Do not disturb soil or underground plant parts before treatment. Delay tillage or renovation techniques such as vertical mowing, coring or slicing for 7 days after application to allow proper translocation into underground plant parts.
USE RESTRICTIONS: If application rates total 3 quarts (96 fl. ozs.) per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater than 3 quarts (96 fl. ozs.) per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Shielded Sprayers:
Apply 1 to 3 quarts of this product as a broadcast spray in 10 to 20 gallons of water per acre to control weeds in the rows. Uniform planting in straight rows aids in shielded sprayer applications. Best results are obtained when the grass seed crop is small enough to easily pass by or through the protective shields.
USE PRECAUTIONS: Contact of this product in any manner to any vegetation to which treatment is not intended may cause damage.

Over-the-top Wiper Applications:
USE PRECAUTIONS: Contact of the herbicide solution with desirable vegetation may result in damage or destruction. Adjust applicators so that the wiper contact point is at least 2 inches above the desirable vegetation. Weeds should be a minimum of 6 inches above the desirable vegetation. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense

clumps, severe infestations, or when height of weeds varies so that not all weeds are contacted. In these instances, repeat treatments may be necessary. Better results may be obtained if 2 applications are made in opposite directions.

Spot Treatments:

Use 1 to 1.5% solution.

USE PRECAUTIONS: Apply this product prior to heading of grasses. The crop receiving the spray in the treated area will be killed. Take care to avoid drift or spray outside the target area for the same reason.

Creating Rows in Annual Ryegrass:

Use 16 to 32 fluid ounces of this product per acre. Use the higher rate when Ryegrass is greater than 6 inches tall. Best results are obtained when applications are made before Ryegrass reaches 6 inches in height.

USE PRECAUTIONS: Set nozzle heights to allow the establishment of the desired row spacing while preventing spray droplets, spray fines, or drift to contact the Ryegrass plants not treated. Use low-pressure nozzles, or drop nozzles designed to target the application over a narrow band.

Selective Weed Control on Tolerant Tall and Fine Fescue Selections for Seed Production:

Refer to the *"APPLICATION EQUIPMENT AND TECHNIQUES"* and *"WEEDS CONTROLLED AND RATES"* sections of this label for application instructions and weeds controlled or suppressed. **Note:** The specified rate for this use will limit the level of control of certain weed species. Some discoloration and yellowing may occur at the higher application rates on these selections. Reduction in stand of these selections may also occur under stress conditions.

Apply at the rate of 4 to 16 fluid ounces of this product per acre as a post-emergence spray on tolerant Tall and Fine Fescue selections grown for seed production 6 weeks after germination.

Also apply to established crops after growth resumes in the Fall until onset of dormancy and in the Spring after dormancy break until 60 days prior to harvest. Avoid spray application during or within 2 weeks after periods when air temperatures fall below 25°F.

Remove domestic livestock from the seed production field prior to application. Wait 60 days after application before grazing or harvesting treated areas.

DO NOT make more than two applications per crop growth cycle to any one site. If two applications are required, only one Fall and one Spring application may be made during one 12 month cycle.

Pastures – Any Grass (*Gramineae* family including Bahiagrass, Bermudagrass, Bluegrass, Brome, Fescue, Guineagrass, Kikuyugrass, Orchardgrass, Pangola grass, Ryegrass, Timothy, Wheatgrass) Except Corn, Sorghum, Sugarcane and those listed under *"CEREAL AND GRAIN CROPS"*

TYPES OF APPLICATIONS: Spot Treatment, Over-the-top Wiper Applications, Pre-plant, Pre-emergence, Pasture Renovation.

Spot Treatment, Over-the-top Wiper Applications:

This product may be applied as a spot treatment or with wiper applicators in Pastures. Applications may be made in the same area at 30 day intervals.

USE RESTRICTIONS: For spot treatments or wiper application methods using rates of 3 quarts (96 fl. ozs.) per acre or less, the entire field or any portion of it may be treated. When spot treatments or wiper application are made using rates above 3 quarts (96 fl. ozs.) per acre, no more than 10% of the total Pasture may be treated at any one time.

To achieve maximum performance, remove domestic livestock before application and wait 7 days after application before grazing livestock or harvesting.

Pre-plant, Pre-emergence, Pasture Renovation, Stand Removal:

This product may be applied prior to planting or emergence of Forage grasses. In addition, this product may be used to control perennial pasture species listed on this label prior to replanting.

USE RESTRICTIONS: If application rates total 3 quarts (96 fl. ozs.) per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater than 3 quarts (96 fl. ozs.) per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

***Bromus* Species and Medusahead in Pastures:**

Refer to the *"RANGELANDS"* section below for use directions.

Bermudagrass Pastures

Apply this product at 16 fluid ounces per acre for control of weeds listed below and most other Winter annual grass and broadleaved weeds in Coastal Bermudagrass pastures prior to Spring growth or immediately after cutting.

USE RESTRICTIONS: Only one application per year may be made to any one field. A Spring application prior to growth and application following the first cutting may not be made on the field during the same year. If application rates total 3 quarts per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater than 3 quarts per acre, remove domestic livestock and wait 8 weeks following application before grazing or harvesting.

Annual bluegrass	Johnsongrass	Sandbur (Field)
Cheat	(Seedlings)	Sunflower
Crabgrass	Little Barley	Wheat
Henbit	Oats	Wild mustard
	Ryegrass (Italian)	

Application Prior to Spring Growth:

Apply this product in the late Winter or early Spring but before new Coastal Bermudagrass growth begins in the Spring. Applications to new growth can damage the Bermudagrass.

Applications Following the First Cutting:

Apply this product after the first Bermudagrass cutting when Bermudagrass has not yet begun to regrow. Applications made after regrowth has begun can damage Bermudagrass.

Rangelands

TYPES OF APPLICATIONS: Post-emergence.

USE RESTRICTIONS: Do not apply more than 3 quarts (96 fl. ozs.) per acre per year. Do not use Ammonium sulfate when spraying Rangeland grasses with this product.

Post-emergence Applications:

This product will control or suppress many annual weeds growing in perennial cool and warm-season grass rangelands. Preventing viable seed production is key to the successful control and invasion of annual grassy weeds in Rangelands. Follow-up applications in sequential years should eliminate most of the viable seeds.

Delay grazing of treated areas to encourage growth of desirable perennials. Allowing desirable perennials to flower and reseed in the treated area will encourage successful transition.

Apply 12 to 16 fluid ounces of this product per acre to control or suppress many weeds, including *Bromus* species (such as Downy brome, Cheatgrass), Cereal Rye and Jointed goatgrass in Rangelands. Apply when most mature Brome plants are in early flower and before the plants, including seedheads turn color. Allowing for secondary weed flushes to occur in the Spring following rain events further depletes the seed reserve and encourages perennial grass conversion on weedy sites. Fall applications are possible where Spring moisture is usually limited and Fall germination allows for good weed growth.

For Medusahead, apply 16 fluid ounces of this product per acre at the 3 leaf stage. Delaying applications beyond this stage will result in reduced or unacceptable control. Fire may be useful in eliminating the thatch layer produced by slow decaying culms prior to application. Allow new growth to occur before spraying after a burn. Repeat applications in subsequent years may be necessary to eliminate the seed bank before reestablishing desirable perennial grasses in Medusahead-dominated Rangelands.

Slight discoloration of the desirable grasses may occur, but they will regreen and regrow under moist soil conditions as effects of this product wear off.

Turf Grass Sod Production

TYPES OF APPLICATIONS: Pre-plant, Pre-emergence, Renovation, Site Preparation, Spot Treatments.

Pre-plant, Pre-emergence, Renovation, Site Preparation:

This product controls most existing vegetation prior to renovating Turf grass areas or establishing Turf grass grown for sod. Broadcast or handheld equipment may be used to control sod remnants or other unwanted vegetation after sod is harvested.

For maximum control of existing vegetation, delay planting or sodding to determine if any regrowth from escaped underground plant parts occurs. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. For warm-season grasses such as Bermudagrass, Summer or Fall applications provide the best control. Where existing vegetation is growing under mowed

Turf grass management, apply this product after omitting at least one regular mowing to allow sufficient growth for good interception of the spray. Desirable Turf grasses may be planted following the above procedures.
Do not disturb soil or underground plant parts before treatment. Delay tillage or renovation techniques such as vertical mowing, coring or slicing for 7 days after application to allow translocation into underground plant parts.
USE RESTRICTIONS: If application rates total 3 quarts (96 fl. ozs.) per acre or less, no waiting period between treatment and livestock feeding or grazing is required. If the rate is greater than 3 quarts (96 fl. ozs.) per acre, remove domestic livestock before application and wait 8 weeks after application before grazing treated Turf grass.

Spot Treatments:

Handheld equipment may be used for spot treatment of unwanted vegetation growing in existing Turf grass.
USE RESTRICTIONS: If application rates total 3 quarts (96 fl. ozs.) per acre or less, no waiting period between treatment and livestock feeding or grazing is required. If the rate is greater than 3 quarts (96 fl. ozs.) per acre, remove domestic livestock before application and wait 8 weeks after application before grazing treated Turf grass.

Soybeans

TYPES OF APPLICATIONS: Those listed in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* plus the following: Spot treatment, Pre-harvest, Selective equipment.
For Roundup Ready Soybeans, see the *"ROUNDUP READY CROPS"* section of this label.

Pre-plant, Pre-emergence, At-planting Applications:

This product may be applied alone or in a tank-mixture before, during or after planting Soybeans. Applications must be made prior to emergence of the crop.

Tank-Mixtures:

Apply these tank-mixtures in 10 to 20 gallons of water per acre. When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

Acifluorfen	Flufenacet	Metolachlor
Bentazon	Flumetsulam	Metribuzin
Carfentrazone	Flumioxazin	Pendimethalin
Clethodim	Fomesafen	Pyroxasulfone
Chloransulam	Fluazifop	Quizalofop
Chlorimuron	Imazethapyr	Saflufenacil
Clomazone	Imazaquin	Sethoxydim
Dimethenamid	Lactofen	Sulfentrazone
Fenoxaprop	Linuron	Thifensulfuron

This product may be tank-mixed with 2,4-D or 2,4-DB. See the 2,4-D or 2,4-DB label for intervals between application and planting.
For difficult-to-control annual weeds such as Barnyardgrass, Crabgrass, Fall panicum, Shattercane and broadleaved Signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply this product at 1 quart per acre in these tank-mixtures. For other labeled annual weeds, apply 0.75 to 1 quart of this product per acre when weeds are less than 6 inches tall, and 1 to 1.5 quarts when weeds are over 6 inches tall.

Spot Treatment:

For spot treatments, apply this product prior to initial pod set in Soybeans.
USE RESTRICTIONS: Do not treat more than 10% of the total field area to be harvested. The crop receiving spray in treated area will be killed. Take care to avoid drift or spray outside target area for the same reason.

Pre-harvest Applications:

This product provides weed control when applied prior to harvest of Soybeans. Apply using either aerial or ground spray equipment after pods have set and lost all green color at rates given in the *"WEEDS CONTROLLED AND RATES"* section for *"ANNUAL WEEDS"*, *"PERENNIAL WEEDS"*, and *"WOODY BRUSH AND TREES"*. Avoid excessive seed shatter loss due to ground application equipment.
USE PRECAUTION: Pre-harvest application to Soybeans grown for seed may reduce germination or vigor.
USE RESTRICTIONS: Do not apply more than 5 quarts of this product per acre for pre-harvest applications. Do not apply more than 2 quarts of this product per acre by air. Allow a minimum of 7 days between application and harvest of Soybeans. Do not graze or harvest treated hay or fodder for livestock feed within 25 days of last pre-harvest application. **Note:** If the application rate is 1 quart per acre or lower, the grazing restriction is reduced to 14 days after last pre-harvest application.

Selective Equipment:

This product may be applied on Soybeans through shielded applicators, hooded sprayers, wiper applicators or sponge bars.
USE PRECAUTIONS: See *"SELECTIVE EQUIPMENT"* under *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for information on proper use and calibration of this equipment.
USE RESTRICTIONS: Allow at least 7 days between application and harvest.

Sugarcane

TYPES OF APPLICATIONS: Those listed in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"*.

Pre-plant, Pre-emergence, At-planting Applications:

This product may be applied in or around Sugarcane fields or in fields prior to the emergence of plant cane.
USE RESTRICTIONS: Do not apply to vegetation in or around ditches, canals or ponds containing water to be used for irrigation.

Spot Treatment:

For control of volunteer or diseased Sugarcane, make a 1% solution of this product in water and spray-to-wet the foliage of vegetation to be controlled. Volunteer or diseased Sugarcane must have at least 7 new leaves.
USE PRECAUTIONS: Avoid spray contact with healthy cane plants as severe damage or destruction may result.
USE RESTRICTIONS: Do not feed or graze treated Sugarcane foliage following application.

Fallow Treatments:

This product may be used as a replacement for tillage in fields that are lying fallow between Sugarcane crops. This product may also be used to remove the last stubble of ratoon cane. For removal of last stubble of ratoon cane, apply 4 to 5 quarts of this product in 10 to 40 gallons of water per acre to new growth having at least 7 new leaves. Allow 7 or more days after application before tillage. Ground or aerial application equipment may be used. Applications up to 3 quarts per acre may be made by aerial application in fallow sites where there is sufficient buffer to prevent injury due to drift onto adjacent crops. Tank-mixtures with 2,4-D and Dicamba may be used.

Hooded Sprayers:

This product may be used through hooded sprayers for weed control between the rows of Sugarcane. See the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for additional use instructions.
Do not allow treated weeds to come into contact with the crop. Droplets, mist, foam or splatter of the herbicide solution settling on the crop may result in discoloration, stunting or destruction.

Tree, Vine, and Shrub Crops

THIS SECTION GIVES DIRECTIONS THAT APPLY TO ALL LISTED TREE, VINE, AND SHRUB CROPS LISTED BELOW. SEE THE INDIVIDUAL CROP CATEGORIES FOR SPECIFIC INSTRUCTIONS, PRE-HARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.
TYPES OF APPLICATIONS: Pre-plant (site preparation) Broadcast sprays, Site weed control, Middles (between rows of trees, vines or bushes), Strips (within rows of trees, vines or bushes), Selective equipment (shielded sprayers, wiper treatments), Directed sprays, Spot treatments, Perennial grass suppression, Cut stump.
Except as directed, applications may be made with boom equipment, CDA equipment, shielded sprayers, handheld and high-volume wands, lances, orchard guns or with wiper applicator equipment.
USE INSTRUCTIONS: This product may be applied in middles (between rows of trees or vines), strips (within rows of trees or vines), and for weed control or perennial grass suppression in established fruit trees and nut groves, orchards, berries, and vineyards. It may also be used for site preparation prior to planting or transplanting these crops.
Apply 0.5 to 5 quarts per acre according to the *"ANNUAL WEEDS"* and *"PERENNIAL WEEDS"* table under *"WEEDS CONTROLLED AND RATES"* section of this label. Utilize rates at the higher end of the specified rate range when weeds are stressed, growing in dense populations or are greater than 12 inches tall. Repeat applications may be made up to a maximum of 10.6 quarts per acre per year.
The maximum use rates stated throughout this product's labeling apply to this product combined with the use of all other herbicides containing Glyphosate or Sulfosate as active ingredient, whether

applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other Glyphosate or Sulfosate containing products does not exceed stated maximum use rate.
Use shielded or directed sprayers in crops with potential for crop contact and where there is sufficient clearance.
For applications in strips (within rows of trees), only selective equipment (directed sprays, hooded sprayers, shielded applicators, or wipers) is to be used to minimize the potential for leakage or drift of herbicide sprays onto crop. For Berry crops, enclose fully (top, sides, front and back included) hooded or shielded sprayers. Wipers or shielded applicators capable of preventing all contact with the crop may be used.
USE PRECAUTIONS: Extreme care must be exercised to avoid contact of herbicide solution, spray, drift or mist with foliage or green bark of trunk, branches, suckers, fruit or other parts of trees, canes and vines. Avoid application when recent pruning wounds or other mechanical injury has occurred. Contact of this product with other than matured brown bark can result in serious crop damage or destruction.
See *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for additional directions and precautions.
USE RESTRICTIONS: Allow a minimum of 3 days between application and transplanting.

Middles (Between Rows of Trees, Vines or Bushes):

This product will control or suppress annual and perennial weeds and ground covers growing between the rows of labeled tree and vine crops. If weeds are under drought stress, irrigate prior to application. Reduced control may result if weeds have been mowed prior to application.
TANK-MIXTURES: A tank-mixture of this product with Oxyfluorfen may be used for annual weeds in middles between rows of Citrus crops, fruit trees, tree nuts and vine crops. Use this mixture when weeds are stressed or growing in dense populations.
16 to 32 fluid ounces of this product plus appropriate rate of Oxyfluorfen per acre will control annual weeds with a maximum height or diameter of 6 inches including the following:

Crabgrass	Lambsquarters (Common)	Ryegrass (Common)
Common groundsel	London rocket	Shepherdspurse
Filaree (suppression)	Pigweed (Redroot)	Sowthistle (Annual)
Horseweed/Marestail *(Conyza canadensis)*	Purslane (Common) (suppression)	Stinging nettle
Junglerice		

16 to 32 fluid ounces of this product plus appropriate rate of Oxyfluorfen per acre will control the following weeds with maximum height or diameter of 3 inches:

Cheeseweed (Common)	Hairy fleabane *(Conyza bonariensis)*

Strips (In Rows of Trees, Vines or Bushes):

TANK-MIXTURES: This product may be applied in rows of tree or vine crops in tank-mixtures with the following products:

Bromacil	Norflurazon	Pendimethalin
Diuron	Oryzalin	Simazine
Napropamide	Oxyfluorfen	

Do not apply these tank-mixtures in Puerto Rico.
Refer to the individual product labels for specific crops, rates, geographic restrictions and precautionary statements. Follow the most restrictive label.

Perennial Grass Suppression:

This product will suppress perennial grasses such as Bahiagrass, Bermudagrass, Tall fescue, Orchardgrass, Kentucky bluegrass, and Quackgrass that are grown as ground covers in tree and vine crops.
For suppression of Tall fescue, Fine fescue, Orchardgrass, and Quackgrass: Apply 8 fluid ounces of this product in 10 to 20 gallons of water per acre.
For suppression of Kentucky bluegrass covers: Apply 6 fluid ounces of this product per acre. Do not add Ammonium sulfate. For best results, mow cool season grass covers in the Spring to even their height and apply this product 3 to 4 days after mowing.
For suppression of vegetative growth and seedhead inhibition of Bahiagrass for approximately 45 days: Apply 6 fluid ounces of this product in 10 to 25 gallons of water per acre. Apply 1 to 2 weeks after full green-up or after mowing to a uniform height of 3 to 4 inches. This application must be made prior to seedhead emergence. For suppression up to 120 days, apply 4 fluid ounces of this product per acre, followed by an application of 2 to 4 fluid ounces per acre about 45 days later. Make no more than 2 applications per year.
For burndown of Bermudagrass: Apply 32 to 64 fluid ounces of this product in 3 to 20 gallons of water per acre. Use this treatment only if reduction of the Bermudagrass stand can be tolerated. When burndown is required prior to harvest, allow at least 21 days to ensure sufficient time for burndown to occur.
For suppression of Bermudagrass: Apply 6 to 16 fluid ounces of this product per acre East of the Rocky Mountains and 16 fluid ounces of this product per acre West of the Rocky Mountains. Apply in a total spray volume of 3 to 20 gallons per acre, no sooner than 1 to 2 weeks after full green-up. If the Bermudagrass is mowed prior to application, maintain a minimum of 3 inches in height. Sequential applications may be made when regrowth occurs and Bermudagrass injury and stand reduction can be tolerated. East of the Rocky Mountains, use rates of 6 to 10 fluid ounces of this product per acre in shaded conditions or where a lesser degree of suppression is desired.

Cut Stump (Tree Crops):

Cut stump applications of this product may be made during site preparation or site renovation prior to transplanting tree crops. This product will control regrowth of cut stumps and resprouts of many types of tree species, some of which are listed below.
Citrus Trees – Calamondin, Chironja, Citron, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (Tangerine), Orange (All), Pummelo, Tangelo, Tangor.
Fruit Trees – Apple, Apricot, Cherry (Sour, Sweet), Crabapple, Loquat, Mayhaw, Nectarine, Olive, Peach, Pear, Plum/Prune (All), Quince.
Nut Trees – Almond, Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory nut, Macadamia, Pecan, Pistachio, Walnut (Black, English).
Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut trees or resprouts close to the soil surface. Apply a 50 to 100% solution of this product to the freshly cut surface immediately after cutting. Delays in application may result in reduced performance. For best results, apply during periods of active growth and full leaf expansion.
USE PRECAUTIONS: AVOID MAKING CUT STUMP APPLICATIONS WHEN THE ROOTS OF ADJACENT DESIRABLE TREES MAY BE GRAFTED TO THE ROOTS OF THE CUT STUMP. INJURY RESULTING FROM ROOT GRAFTING MAY OCCUR IN ADJACENT TREES. Some sprouts, stems, or trees may share the same root system. Adjacent trees having a similar age, height and spacing may signal shared roots. Whether grafted or shared, injury is likely to occur to non-treated stems/trees when one or more trees sharing common roots are treated.

Berry Crops — Aronia berry, Bayberry, Bearberry, Bilberry, Blackberry (including Andean blackberry, Arctic blackberry, Bingleberry, Black satin berry, Boysenberry, Brombeere, California blackberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, Common blackberry, Coryberry, Darrowberry, Dewberry, Dirksen thornless berry, Evergreen blackberry, Himalayaberry, Hullberry, Lavacaberry, Loganberry, Lowberry, Lucretiaberry, Mammoth blackberry, Marionberry, Mora, Nectarberry, Northern dewberry, Olallieberry, Oregon evergreen berry, Phenomenalberry, Rangeberry, Ravenberry, Rossberry, Shawnee blackberry, Southern dewberry, Tayberry, Youngberry, Zarzamora), Blueberry, Buffaloberry, Che, Chilean guava, Chokerberry, Cloudberry, Cranberry, Currant, Elderberry, European barberry, Gooseberry, Huckleberry, Jostaberry, Juneberry, Lingonberry, Partridgeberry, Phalsa, Pincherry, Raspberry (Black, Red, Wild), Riberry, Salal, Schisandra berry, Serviceberry

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section plus Spot Treatment in Cranberry Production and Post-Harvest Treatments in Cranberry Production.
USE PRECAUTIONS: To avoid damage, herbicide sprays must not be allowed to contact desirable vegetation, including green shoots, canes, or foliage.

USE RESTRICTIONS: Allow a minimum of 30 days between last application and harvest in Cranberries. Allow a minimum of 14 days between last application and harvest in other berry crops. Do not make directed sprays within the Cranberry bush areas prior to berry harvest.

Spot Treatments for Cranberry Production:

Spot treatments may be used to control weeds growing in dry ditches (interior and perimeter) of Cranberry production areas. Handheld sprayers or other appropriate application equipment listed under *"APPLICATION EQUIPMENT AND TECHNIQUES"* in this label may be used. Use nozzles that emit medium to large-sized droplets to minimize drift in order to avoid crop injury.

Drop water level to remove standing water in ditches prior to application. In handheld sprayers, use 1 to 2% solution of this product. Spray to wet vegetation, not to runoff.

USE PRECAUTIONS: For treatments after draw down of water in dry ditches, allow 2 or more days after treatment before reintroduction of water to achieve maximum weed control. Apply this product within 1 day after draw down to ensure application to actively growing weeds.

USE RESTRICTIONS: Allow a minimum of 30 days between last application and harvest of Cranberries.

Do not apply this material through the irrigation system. Do not make applications by air. Do not apply directly to water.

Post-harvest Treatments in Cranberry Production:

Application of this product may be made after the harvest of Cranberries to control weeds growing within the field. Best results will be obtained if applications are made to vines that appear dormant (after they have turned red). Handheld sprayers, wipers, or other appropriate application equipment listed under *"APPLICATION EQUIPMENT AND TECHNIQUES"* in this label may be used. If using handheld sprayers, use a 0.5 to 1% solution of this product. Spray to wet vegetation, not to runoff. If using handheld boom sprayers, apply 2 to 4 quarts of this product per acre.

Even though vines appear dormant, contact of the herbicide solution with desirable vegetation may result in damage or severe plant injury. Cranberry plants that are directly sprayed may be killed.

USE RESTRICTIONS: Make applications only after Cranberries have been harvested. Allow a minimum of 6 months after last application and next harvest of Cranberries. Do not apply this product through the irrigation system. Do not make applications by air. Do not apply directly to water. Do not treat more than 10% of the total bog.

Citrus – Calamondin, Chironja, Citron, Citrus Hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (Tangerine), Orange (All), Pummelo, Satsuma Mandarin, Tangelo (Ugli), Tangor

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section.

USE INSTRUCTIONS IN FLORIDA AND TEXAS:

For burndown or control of the weeds listed below, apply the labeled rates of this product in 3 to 30 gallons of water per acre. Where weed foliage is dense, use 10 to 30 gallons of water per acre.

For Goatweed: Apply 2 to 3 quarts of this product per acre. Apply in 20 to 30 gallons of water per acre when plants are actively growing. Use 2 quarts per acre when plants are less than 8 inches tall and 3 quarts per acre when plants are greater than 8 inches tall. If Goatweed is greater than 8 inches tall, the addition of Bromacil (e.g., Krovar I) or Diuron may improve control. Refer to the individual product labels for specific crops, rates, geographic restrictions and precautionary statements. Follow the most restrictive label.

For Perennial Weeds:

Weed Species	Rate of This Product Per Ac.			
	1 Qt.	2 Qts.	3 Qts.	5 Qts.
Bermudagrass	B	—	PC	C
Guineagrass:	—	B	C	C
Florida Flatwoods Florida Ridge & Texas	B	C	C	C
Paragrass	B	C	C	C
Torpedograss	S	—	PC	C
B = Burndown; C = Control; PC = Partial Control; S = Suppression				

USE RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in Citrus crops. For Citron groves, apply as directed sprays only.

Miscellaneous Tree Food Crops – Cactus (Fruit, Pads), Palm (Heart, Leaves), Palm (Oil)

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section.

USE DIRECTIONS AND RESTRICTIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section.

Non-Food Tree Crops – Pine, Poplar, Eucalyptus, Christmas Trees, Other Non-Food Tree Crops

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section.

Directed Sprays, Spot Treatment, Wiper Applications:

This product may be used as a post-directed spray and spot treatment around established Pine, Poplar, Eucalyptus, Christmas trees and other non-food tree crops.

USE PRECAUTIONS: Care must be exercised to avoid contact of spray, drift or mist with foliage or green bark of established Christmas trees and other Pine trees. Desirable plants may be protected from the spray solution by using shields or coverings made of cardboard or other impermeable material.

USE RESTRICTIONS: THIS PRODUCT IS NOT FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY IN CHRISTMAS TREES AND OTHER PINE TREES.

Site Preparation:

This product may be used prior to planting non-food tree crops.

USE PRECAUTIONS: Take precautions to protect non-target plants during site preparation applications.

Pome Fruits – Apple, Crabapple, Loquat, Mayhaw, Pear (including Oriental pear), Quince

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section.

USE RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in Pome crops.

Stone Fruits – Apricot, Cherry (Sweet, Tart), Nectarine, Olive, Peach, Plum/Prune (All types), Plumcot

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section.

USE RESTRICTIONS: Allow a minimum of 17 days between last application and harvest in stone fruit crops. For Olive groves, apply as directed sprays only.

RESTRICTIONS ON APPLICATION EQUIPMENT: For Cherries, any application equipment listed in this section may be used in all states. Any application equipment listed in this section may be used in Apricots, Nectarines, Peaches, and Plums/Prunes growing in Arizona, California, Colorado, Idaho, Kansas, Kentucky, New Jersey, North Dakota, Oklahoma, Oregon, Texas, Utah and Washington, except for Peaches grown in the states specified in the following paragraph. In all other states, use wiper equipment only.

For Peaches grown in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee only, apply with a shielded boom sprayer or shielded wiper applicator, which prevents any contact of this product with the foliage or bark of trees. Apply no later than 90 days after first bloom. Applications made after this time may result in severe damage. Remove suckers and low-hanging limbs at least 10 days prior to application. Avoid applications near trees with recent pruning wounds or other mechanical injury. Apply only near trees that have been planted in the orchard for 2 or more years. EXTREME CARE MUST BE TAKEN TO ENSURE NO PART OF THE PEACH TREE IS CONTACTED.

Tree Nuts – Almond, Beechnut, Betelnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Coconut, Filbert (Hazelnut), Hickory nut, Macadamia, Pecan, Pine nut, Pistachio, Walnut (Black, English)

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section.

USE RESTRICTIONS: Allow a minimum of 3 days between last application and harvest of tree nuts, except Coconut. Allow 14 days between application and harvest in Coconut.

Tropical and Subtropical Trees and Fruits – Ambarella, Atemoya, Avocado, Banana, Barbados cherry (Acerola), Biriba, Blimbe, Breadfruit, Cacao (Cocoa) bean, Canistel, Carambola (Starfruit), Cherimoya, Coffee, Custard apple, Dates, Durian, Feijoa, Figs, Governor's plum, Guava, Ilama, Imbe, Imbu, Jaboticaba, Jackfruit, Longan, Lychee, Mamey apple, Mango, Mangosteen, Marmaladebox (Genip), Mountain papaya, Papaya, Pawpaw, Plantain, Persimmon, Pomegranate, Pulasan, Rambutan, Rose apple, Sapodilla, Sapote (Black, Mamey, White), Spanish lime, Soursop, Star apple, Sugar apple, Surinam cherry, Tamarind, Tea, Ti (Roots, Leaves), Wax jambu

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section plus Bananacide.

USE PRECAUTIONS: In Coffee and Banana, delay applications 3 months after transplanting to allow the new Coffee or Banana plant to become established.

USE RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in Banana, Guava, Papaya, and Plantain crops. For any other tropical or subtropical fruit trees, allow a minimum of 14 days between last application and harvest. Allow a minimum of 28 days between last application and harvest in Coffee crops.

Bananacide (Bananas Only):

This product may be used to destroy Banana plants infected with the Banana bunchy top virus as well as non-infected banana plants to establish disease free buffers around plantations.

Remove all fruit from the plants within the treatment area prior to treatment. Inject 1/25 fluid ounce (1 mL) of this product's concentrate per 2 to 3 inches of pseudostem diameter. Make the injection at least 1 foot above the ground, except for very small plants, which should be injected vertically into the top. Any subsequent regrowth must also be destroyed. All plants and mats (or units) adjacent (within a 4 foot radius) to a treated mat shall be mechanically destroyed.

For control of the Banana bunchy top virus, it is critical that the grower follow a strict control program involving monitoring for diseased plants, spraying to control the aphid vector, and destruction of all infected mats (or units). An infected plant may not show symptoms of the banana bunchy top virus for up to 125 days, therefore it is critical that the entire mat (or unit) containing the diseased plant be destroyed immediately.

USE PRECAUTIONS: Following transplant of new Banana plants into treated areas, allow plants to become established for 3 months before applying this product for weed control.

USE RESTRICTIONS: Do not apply more than 0.5 fluid ounce (15 mL) of this product's concentrate per mat (or unit). Remove all fruit from plants and mats (or units) prior to treatment. Do not harvest any fruit or plant materials from treated mats (or units) following injection. Do not allow livestock to consume treated plant materials.

Vine Crops – Grapes (Raisin, Table, Wine), Hops, Kiwi, Passion fruit

TYPES OF APPLICATIONS: Those listed in *"TREE, VINE AND SHRUB CROPS"* section.

USE RESTRICTIONS: Do not make applications when green shoots, canes or foliage are in the spray zone. In the Northeast and Great Lakes regions, applications must be made prior to the end of bloom stage of Grapes to avoid injury, or make applications with shielded sprayers or wiper equipment. Do not use selective equipment in Kiwi.

Pre-harvest Interval (PHI): Allow a minimum of 14 days between last application and harvest in vine crops.

Vegetable Crops

THIS SECTION GIVES DIRECTIONS THAT APPLY TO ALL LISTED VEGETABLE CROPS BELOW. SEE THE INDIVIDUAL CROP CATEGORIES FOR SPECIFIC INSTRUCTIONS, PRE-HARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATIONS: Chemical Fallow, Pre-plant Fallow Beds, Pre-plant, Pre-emergence, Prior to Transplanting Vegetables, At-planting, Hooded Sprayers in Row Middles, Shielded Sprayers in Row Middles, Wiper Applications in Row Middles, Post-Harvest, Directed Applications (Non-bearing Ginseng), Over-the-top Wiper Applicator (Carrots, Rutabagas and Sweet potatoes Only).

USE PRECAUTIONS: When applying this product prior to transplanting or direct-seeding crops into plastic mulch, care must be taken to remove residues of this product, which could cause crop injury, from the plastic prior to planting. Residues can be removed by a single one-half inch application of water, either by natural rainfall or via a sprinkler system. Insure the washwater flushes off the plastic mulch does not enter transplant holes. Applications made at emergence will result in injury or death to emerged seedlings. Avoid contact of herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops because severe injury or destruction may result.

When making pre-emergence and at-planting applications, applications must be made before crop emergence to avoid severe crop injury. Apply before seed germination in *Coarse sandy soils* to further minimize the risk of injury. In crops with vines, hooded sprayer, shielded sprayer and wiper applications to row middles must be made prior to vine development otherwise severe injury or destruction may result.

USE RESTRICTIONS: Unless otherwise specified in this product's labeling, treatments with selective equipment including wipers and hooded sprayers must be made at least 14 days prior to harvest. Post-harvest or fallow applications must be made at least 30 days prior to planting any non-labeled crop. (See *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for additional information.)

Brassica Vegetables – Broccoli, Chinese broccoli (Gai lon), Broccoli raab (Rapini), Brussels sprouts, Cabbage, Chinese cabbage (Bok choy), Chinese cabbage (Napa), Chinese mustard cabbage (Gai choy), Cauliflower, Cavalo broccolo, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens

Bulb Vegetables – Garlic, Great-headed garlic, Leek, Onion (Dry bulb and Green), Welsh onion, Shallot

Cucurbit Vegetables and Fruits – Chayote (Fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Edible gourd (includes Hyotan, Cucuzza, Hechima, Chinese okra), Melons (All), *Momordica* spp. (includes Balsam apple, Balsam pear, Bittermelon, Chinese cucumber), Muskmelon (includes Cantaloupe, Casaba, Crenshaw melon, Golden pershaw melon, Honeydew melon, Honey ball melon, Mango melon, Persian melon, Pineapple melon, Santa Claus melon, Snake melon), Pumpkin, Summer squash (includes Crookneck squash, Scallop squash, Straightneck squash, Vegetable marrow, Zucchini), Winter squash (includes Butternut squash, Calabaza, Hubbard squash, Acorn squash, Spaghetti squash), Watermelon

USE RESTRICTIONS: Allow at least 3 days between application and planting for Cantaloupe, Casaba melon, Crenshaw melon, Cucumber, Gherkin, Gourds, Honeydew melon, Honey ball melon, Mango melon, Melons (All), Muskmelon, Persian melon, Pumpkin, Squash (Summer, Winter), and Watermelon.

Leafy Vegetables – Amaranth (Chinese spinach), Arugula (Roquette), Beet greens, Cardoon, Celery, Chinese celery, Celtuce, Chaya, Chervil, Edible-leaved chrysanthemum, Garland chrysanthemum, Corn salad, Cress (Garden, Upland), Dandelion, Dock (Sorrel), Dokudami, Endive (Escarole), Florence fennel, Gow kee, Lettuce (Head, Leaf), Orach, Parsley, Purslane (Garden, Winter), Radicchio (Red chicory), Rhubarb, Spinach, New Zealand spinach, Vine spinach, Swiss chard, Watercress (Upland), Water spinach

USE PRECAUTIONS: For Watercress, avoid applications within 3 days prior to seeding and during the period between seeding and emergence to minimize the risk of injury.

Fruiting Vegetables – Eggplant, Groundcherry (*Physalis* spp.), Pepino, Pepper (includes Bell pepper, Chili pepper, Cooking pepper, Pimento, Sweet pepper), Tomatillo, Tomato

USE PRECAUTIONS: For Tomato, avoid hooded or shielded sprayer applications in row middles.

USE RESTRICTIONS: For Eggplant, Ground cherry, Pepper (All), and Tomatillo, allow at least 3 days between application and planting.

Legume Vegetables (Succulent or Dried) - Beans (*Lupinus:* includes Grain lupin, Sweet lupin, White lupin, and White sweet lupin), Beans (*Phaseolus:* includes Field bean, Kidney bean, Lima bean, Navy bean, Pinto bean, Runner bean, Snap bean, Tepary bean, Wax bean), Beans (*Vigna:* includes Adzuki bean, Asparagus bean, Blackeyed pea, Catjang, Chinese longbean, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea, Urd bean, Yardlong bean), Broad bean (Fava), Chickpea (Garbanzo), Guar, Jackbean, Lablab bean, Lentil, Peas (*Pisum:* includes Dwarf pea, Edible-podded pea, English pea, Field pea, Garden pea, Green pea, Snowpea, Sugar snap pea), Pigeon pea, Soybean (immature seed), Sword bean

Root and Tuber Vegetables – Arracacha, Arrowroot, Chinese artichoke, Jerusalem artichoke, Beet (Garden), Burdock, Canna, Carrot, Cassava (Bitter, Sweet), Celeriac, Chayote (Root), Chervil (Turnip-rooted), Chicory, Chufa, Dasheen (Taro), Galangal, Ginger, Ginseng, Horseradish, Leren, Kava (Turnip-rooted), Parsley, Parsnip, Potato, Radish, Oriental radish, Rutabaga, Salsify, Black salsify, Spanish salsify, Skirret, Sweet potato, Tanier, Turmeric, Turnip, Wasabi, Yacon, Yam bean, True yam

Directed Applications (Non-Bearing Ginseng Only):

This product may be used for weed control in established non-bearing Ginseng. Applications may be made with boom equipment, CDA, shielded sprayers, handheld and high volume wands, lances, and orchard guns or with wiper application equipment.

USE PRECAUTIONS: Direct applications so that there is no contact of this product with the Ginseng plant.

USE RESTRICTIONS: Applications must be made at least one year prior to harvest of Ginseng.

Over-the-top Wiper Applicator (Carrots, Rutabagas and Sweet Potatoes Only):

Apply a 33% solution of this product by volume in water using a wiper applicator operated over the top of Carrots, Rutabagas and Sweet potatoes for the control of tall weeds. See additional use instructions for wiper applicators under the section *"APPLICATION EQUIPMENT AND TECHNIQUES"*.

USE RESTRICTIONS: For Carrot, a maximum of two wiper or sponge bar applications may be made with a minimum of 60 days prior to harvest following the first application and 7 days prior to harvest following the second application of if only 1 wiper application is made over the top of Carrots. For Rutabagas, allow at least 14 days between application and harvest. For Sweet potatoes, a maximum of 5 wiper or sponge bar applications may be made with a minimum of 14 days between applications and a minimum of 7 days prior to harvest.

Miscellaneous Crops

[Aloe vera, Asparagus, Bamboo shoots, Globe artichoke, Okra, Peanut (Groundnut), Pineapple, Strawberry, Sugar beet]

TYPES OF APPLICATIONS: Those listed in *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* plus the following: Weed control, Site preparation, Spot Treatment (Asparagus), Post-harvest Applications (Asparagus).

For Roundup Ready Sugar beets, see the *"ROUNDUP READY CROPS"* section of this label.

USE PRECAUTIONS: Avoid contact of herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops because severe injury or destruction may result. When making pre-emergence and at-planting applications, applications must be made before crop emergence to avoid severe crop injury. Apply before seed germination in *Coarse sandy soils* to further minimize the risk of injury. In crops with vines, hooded sprayer, shielded sprayer and wiper applications to row middles must be made prior to vine development otherwise severe injury or destruction may result.

USE RESTRICTIONS: Unless otherwise specified in this product's labeling, treatments with selective equipment including wipers and hooded sprayers must be made at least 14 days prior to harvest. Post-harvest or fallow applications must be made at least 30 days prior to planting any non-labeled crop. (See *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for additional information.)

Weed Control / Site Preparation:

This product may be applied for weed control or for site preparation prior to planting or transplanting crops listed in this section.

USE PRECAUTIONS: When applying this product prior to transplanting or direct-seeding crops into plastic mulch, care must be taken to remove residues of this product, which could cause crop injury, from the plastic prior to planting. Residues can be removed by a single one-half inch application of water, either by natural rainfall or by a sprinkler system. Ensure that the washwater flushes off the plastic mulch and does not enter transplant holes. Applications made at emergence will result in injury or death to emerged seedlings.

USE RESTRICTIONS: Do not apply within a week before the first Asparagus spears emerge. Do not feed or graze treated Pineapple forage following application.

Spot Treatment (Asparagus):

This product may be applied immediately after cutting Asparagus, but prior to the emergence of new spears.

USE RESTRICTIONS: Do not harvest within 5 days of treatment of Asparagus. Do not treat more than 10% of the total field area to be harvested.

Post-harvest Applications (Asparagus):

This product may be applied after the last harvest of Asparagus and all spears have been removed. If spears are allowed to regrow, delay application until ferns has developed. Delayed treatments must be applied as a directed or shielded spray in order to avoid contact of the spray with ferns, stems or spears.

USE PRECAUTIONS: Direct contact of the spray with Asparagus may result in serious crop injury. Select and use specific types of spray equipment for post-emergence post-harvest applications. A directed spray is any application where the spray pattern is aligned in such a way as to avoid direct contact of the spray with the crop. A shielded spray is any application where a physical barrier is positioned and maintained between the spray and the crop to prevent contact of spray with the crop.

Roundup Ready Crops

The following instructions or those separately published on Supplemental labeling include all applications which can be made onto the specified Roundup Ready crops during the complete cropping season. DO NOT combine these instructions with other instructions meant for crop varieties that do not contain the Roundup Ready gene found in the *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* section of this label.

USE THIS PRODUCT FOR POST-EMERGENCE APPLICATION ONLY ON CROP VARIETIES DESIGNATED AS CONTAINING A ROUNDUP READY GENE OR GLYPHOSATE-TOLERANT GENE.

Applying this product to crop varieties that are not designated as Roundup Ready or Glyphosate-tolerant will result in severe crop injury and yield loss. Avoid contact with foliage, green stems, or fruit of crops, or any desirable plants that do not contain a Roundup Ready or Glyphosate-tolerant gene, since severe injury or destruction will result.

The Roundup Ready or Glyphosate-tolerant designation indicates that the crop variety contains a patented gene that provides tolerance to this product. Information on Glyphosate-tolerant crop varieties may be obtained from your seed supplier or company representative. Roundup Ready or Glyphosate-tolerant crop varieties must be purchased from an authorized licensed seed supplier.

Ground Applications Using Broadcast Equipment:

Apply this product in 5 to 20 gallons of spray solution per acre unless otherwise specified. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best results, use flat spray nozzles. Check for even distribution of spray droplets.

Aerial Applications:

Apply this product in 3 to 15 gallons of water per acre unless otherwise specified. See the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for procedures to avoid spray drift that may cause injury to any vegetation not intended for treatment. Use of appropriate buffer zones will help prevent injury to adjacent vegetation.

ATTENTION: AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN A GLYPHOSATE-TOLERANT GENE.

FOR AERIAL APPLICATIONS IN CALIFORNIA, REFER TO THE *"AERIAL APPLICATION IN CALIFORNIA"* SECTION OF THIS LABEL FOR REQUIREMENTS IN THAT STATE.

Tank-Mixing and Application Instructions:

See the *"MIXING, ADDITIVES, AND APPLICATION INSTRUCTIONS"* section of this label for additional directions and restrictions on the application of this product.

Tank-mixtures with other herbicides, insecticides, fungicides, micronutrients or foliar fertilizers may result in reduced weed control or crop injury. DO NOT use for over-the-top applications of this product unless otherwise noted in this product label, supplemental labeling or fact sheets published separately by Drexel.

Ammonium sulfate may be mixed with this product for applications to Roundup Ready crops. Refer to the *"MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS"* section for use instructions for Ammonium sulfate.

Sprayer Preparation:

It is important that sprayer and mixing equipment be clean and free of pesticide residue before making applications of this product. Follow the cleaning procedures specified on the label of the product(s) previously used. THOROUGHLY CLEAN THE SPRAY TANK AND ALL LINES AND FILTERS TO ELIMINATE POTENTIAL CONTAMINATION FROM OTHER HERBICIDES PRIOR TO MIXING AND APPLYING THIS PRODUCT.

NOTE: The following instructions are based on a clean start at-planting by using a burndown application or tillage to control existing weeds before crop emergence. In no-till and stale seedbed systems, a pre-plant burn-down treatment of this product will control existing weeds prior to crop emergence. Some weeds, such as Black nightshade, broadleaf Signalgrass, Sicklepod, Texas panicum, Sandbur, annual Morningglory, Woolly cupgrass, Shattercane, Wild proso millet, Burcucumber, and Giant ragweed with multiple germination times or suppressed (stunted) weeds may require a second application of this product for complete control. Make the second application after some regrowth has occurred and at least 10 days after a previous application of this product.

ALFALFA WITH THE ROUNDUP READY GENE

Weed Control Applications in Seed Production of Alfalfa with the Roundup Ready Gene

This product will control many troublesome emerged weeds with over-the-top applications in Roundup Ready Alfalfa grown for seed. In-crop applications may be made from emergence through the late vegetative stage and spot treatments may be made from early bud stage through seed harvest.

Ground Applications:

For ground applications with broadcast equipment, apply this product in 3 to 40 gallons of spray solution per acre. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

Aerial Applications:

For aerial application, use the specified rates of this product in 3 to 15 gallons of spray solution per acre. Do not apply during low-level inversion conditions when winds are gusty or any other conditions that favor drift. Drift may cause any damage to vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

DO NOT EXCEED 2 QUARTS OF THIS PRODUCT PER ACRE WHEN MAKING APPLICATIONS BY AIR.

See the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for procedures to avoid spray drift that may cause injury to any vegetation not intended for treatment.

TYPES OF APPLICATIONS: Pre-plant, At-planting, Pre-emergence, Post-emergence and Post-harvest of seed.

Maximum Allowable Combined Application Rates (Qts./Ac.)	
Combined total per year for all applications	8
Total of Pre-plant, At-planting and Pre-emergence applications	2
Total in-crop application rate from emergence through the late vegetative stage	6
Spot-treatment during early bud stage through seed harvest (See the *"Spot Treatment After Late Vegetative Stage"* section and the *"USE PRECAUTIONS"* and *"USE RESTRICTIONS"* sections for complete instructions.)	Apply spray-to-wet; do not apply to the point of runoff.

There are no rotational crop restrictions following applications of this product. For any crop NOT listed in this label, applications must be at least 30 days prior to planting.

Over-the-top Applications:

Broadcast applications of this product may be made using ground or aerial equipment in-crop on Roundup Ready Alfalfa from emergence through the late vegetative stage. Do not make broadcast applications of this product between the initiation of Alfalfa budding and the harvest of seed. Any single over-the-top broadcast application of this product must not exceed 2 quarts per acre. Make sequential applications of this product at least 7 days apart.

Due to the biology and breeding constraints of Alfalfa, up to 10% of the seedlings may not contain the Roundup Ready gene and will not survive or thrive after the first application of this product. To limit undesirable effects of stand gaps created by the loss of plants not containing the Roundup Ready gene, make a single application of at least 1 quart of this product per acre at or before the 3 to 4 trifoliate growth stage.

Spot Treatments After Late Vegetative Stage:

For late emerging weeds, this product may be applied as a spot treatment in Roundup Ready Alfalfa grown for seed during the early bud stage through seed harvest. Applications made during this stage may result in reduced seed yield and quality. Make applications on a spray-to-wet basis. Do not spray to the point of runoff. If a spot treatment is made after the late vegetative stage, harvested seed must not be used for Alfalfa sprout production.

Post-harvest Applications:

Following harvest of Roundup Ready Alfalfa seed, the stand may be managed for forage and hay production. Refer to the below section on *"WEED CONTROL APPLICATIONS IN FORAGE AND HAY PRODUCTION OF ALFALFA WITH THE ROUNDUP READY GENE"*.

Weeds Controlled:

For specific rates of application and instructions for control of various annual and perennial weeds, refer to the *"WEEDS CONTROLLED AND RATES"* section of this label.

Some weeds with multiple germination times or suppressed (stunted) weeds may require a second application of this product for complete control. Make the second application after some regrowth of weeds has occurred.

In addition to those weeds listed in this label, this product will suppress or control the parasitic weed, Dodder (*Cuscuta* spp.) in Roundup Ready Alfalfa seed production. Repeat applications may be necessary for complete control.

Do not make over-the-top applications of this product when in tank-mixture with other herbicides, insecticides, or fungicides as this may result in crop injury or reduced weed control.

For applications made prior to the 4 trifoliate growth stage during stand establishment, the use of Ammonium sulfate may result in crop injury. Refer to *"ADDITIVES"* under the *"MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS"* section of this label for use instructions for Ammonium sulfate.

USE RESTRICTIONS: Do not make over-the-top broadcast applications of this product between the initiation of Alfalfa budding and the harvest of Roundup Ready Alfalfa seed. If a spot treatment of this product is made after the late vegetative stage, do not use harvested Roundup Ready Alfalfa seed for Alfalfa sprout production. Regardless of applications made, the use of harvested Roundup Ready Alfalfa seed is not suitable for production of Alfalfa sprouts.

Weed Control Applications in Forage and Hay Production of Alfalfa with the Roundup Ready Gene

This product will control many troublesome emerged weeds with over-the-top applications in Roundup Ready Alfalfa. Allow at least 5 days between the last application and grazing, or, cutting and feeding of Alfalfa forage and hay.

Ground Applications:

For ground applications with broadcast equipment, apply this product in 3 to 40 gallons of spray solution per acre. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

Aerial Applications:

For aerial application, use the specified rates of this product in 3 to 15 gallons of spray solution per acre.

DO NOT EXCEED 2 QUARTS OF THIS PRODUCT PER ACRE WHEN MAKING APPLICATIONS BY AIR.

Do not apply during low-level inversion conditions, when winds are gusty or under any other conditions that favor drift. Drift may cause damage to any vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

See the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for procedures to avoid spray drift that may cause injury to any vegetation not intended for treatment.

TYPES OF APPLICATIONS: Pre-plant, At-planting, Pre-emergence, Post-emergence and Post-harvest of seed.

Maximum Allowable Combined Application Rates (Qts./Ac.)	
Combined total per year for all applications including pre-plant during year of establishment	8
Total of Pre-plant, At-planting and Pre-emergence applications	2
Combined total per year in-crop applications for newly established and established stands	6

There are no rotational crop restrictions following applications of this product. For any crop NOT listed in this label, applications must be at least 30 days prior to planting.

Over-the-top Applications:

Apply this product to Roundup Ready Alfalfa from its emergence until 5 days prior to cutting. Do not exceed 2 quarts of this product per acre for any single over-the-top application. Sequential applications of this product have to be at least 7 days apart.

Note: Where Roundup Ready Alfalfa is grown with a companion or cover crop, or is over-seeded with a second species, over-the-top applications of this product will eliminate the non-Roundup Ready species.

During stand establishment, due to the biology and breeding constraints of Alfalfa, up to 10% of the seedlings may not contain the Roundup Ready gene and will not survive or thrive after the first application of this product. To remove the undesirable effects of stand gaps created by the loss of plants not containing the Roundup Ready gene, apply a single application of at least 1 quart of this product per acre at or before the 3 to 4 trifoliate growth stage.

In both newly seeded and established stands, apply this product after weeds have emerged but before Alfalfa growth or regrowth interferes with application spray coverage of the target weeds in order to maximize yield and quality potential of forage and hay.

Weeds Controlled:

For specific rates of application and instructions for control of various annual and perennial weeds, refer to the *"WEEDS CONTROLLED AND RATES"* of this label. Some weeds with multiple germination times or suppressed (stunted) weeds may require a second application of this product for complete control. Make the second application after some regrowth of weeds has occurred.

In addition to those weeds listed on this label, this product will suppress or control the parasitic weed, Dodder (*Cuscuta* spp.) in Roundup Ready Alfalfa seed production. Repeat applications may be necessary for complete control.

USE RESTRICTIONS: Do not apply more than 2 quarts of this product by any single over-the-top application. Sequential applications of this product have to be made at a minimum of 7 day intervals. The combined total per year for all in-crop application in newly established and established stands must not exceed 6 quarts per acre.

Before application, remove domestic livestock. Wait for at least 5 days after the last application before grazing or cutting and feeding of the Roundup Ready Alfalfa forage and Hay.

CANOLA WITH THE ROUNDUP READY GENE

TYPES OF APPLICATIONS: Pre-plant, Pre-emergence, At-planting, Post-emergence.

DO NOT USE THIS PRODUCT ON CANOLA WITH THE ROUNDUP READY GENE PLANTED IN THE FOLLOWING STATES: ALABAMA, DELAWARE, FLORIDA, GEORGIA, KENTUCKY, MARYLAND, NEW JERSEY, NORTH CAROLINA, SOUTH CAROLINA, TENNESSEE, VIRGINIA AND WEST VIRGINIA.

This product will control many troublesome emerged weeds when applied pre-plant, pre-emergent and/or with over-the-top applications in Roundup Ready Canola. Allow a minimum of 60 days between last application and Canola harvest.

Maximum Allowable Combined Application Quantities Per Season (Qts./Ac.)	
Total of Pre-plant, At-planting, Pre-emergence applications	2
Total in-crop application rate from emergence to 6 leaf stage (Spring varieties) or prior to bolting in the Spring (Winter varieties)	1

Ground Applications:

For ground applications, with broadcast equipment, apply this product in 5 to 20 gallons of spray solution per acre. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

Aerial Applications:

For aerial applications, apply this product in 3 to 15 gallons of water per acre.

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing or when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure.

There are no rotational crop restrictions following applications of this product.

Pre-plant, Pre-emergence, At-Planting Applications:

This product may be applied before, during or after planting Canola by aerial or ground application equipment. The maximum combined application rate from all pre-plant and pre-emergent applications must not exceed 2 quarts per acre per season.

Note: In no-till and stale seedbed systems, always use a burndown treatment to control existing weeds before Canola emerges. Apply a pre-plant burndown treatment of 0.5 to 1 quart of this product per acre.

Roundup Ready Spring Canola Varieties

Roundup Ready Spring Canola is defined as those Roundup Ready Canola varieties that are seeded in the Spring and harvested in the Fall, and do not enter a Winter dormancy period.

Post-emergence Applications:

This product may be applied by aerial or ground application equipment post-emergence to Roundup Ready Spring Canola varieties from emergence through the 6 leaf stage of development. Applications made during bolting or flowering may result in crop injury and yield loss. To maximize yield potential, make applications early to eliminate competing weeds.

Weeds Controlled:

For specific rates of application and instructions, refer to the *"WEEDS CONTROLLED AND RATES"* section of this label.

Single Application:

Apply 0.5 to 0.75 quart per acre no later than the 6 leaf stage for the control of annual weeds. Avoid overlapping applications that may result in temporary yellowing, delayed flowering, and/or growth reduction. Similar injury may result when applications of more than 11 fluid ounces per acre are applied after the 4 leaf stage.

Sequential Application:
Apply 0.5 quart per acre to 1 to 3 leaf Canola followed by a sequential application at a minimum interval of 10 days, but no later than the 6 leaf stage. Do not make sequential applications for early emerging annual weeds and perennial weeds such as Canada thistle and Quackgrass or when controlling weeds with multiple application times.
This product will control or suppress most perennial weeds. For some perennial weeds, repeat applications may be required to eliminate crop competition throughout the growing season.

Use Restrictions:
No more than two over-the-top broadcast applications may be made from crop emergence through the 6 leaf stage of development and the total in-crop application must not exceed 1 quart per acre. Allow a minimum of 60 days between last application and Canola harvest.

Roundup Ready Winter Canola

Roundup Ready Winter Canola is defined as those Roundup Ready Canola varieties that are seeded in the Fall and harvested the following Spring or Summer. Winter Canola varieties are intended to enter a cold period dormancy in the Winter.

Post-emergence Applications:
This product may be applied post-emergence by aerial or ground application equipment to Roundup Ready Winter Canola varieties from emergence to the 6 leaf stage in the Fall and prior to bolting in the Spring. Applications made during or after bolting may result in crop injury and yield loss. To maximize yield potential, make applications early to eliminate competing weeds. Allow a minimum of 60 days between last application and harvest.

Single Application:
Apply 0.5 to 0.75 quart per acre in the Fall and no later than the 6 leaf stage for the control of annual weeds. Avoid overlapping applications which may result in temporary yellowing, delayed flowering, and growth reduction.

Sequential Applications:
Apply 0.5 quart per acre to 1 to 3 leaf Canola in the Fall, followed by a sequential application at a minimum interval of 10 days, but before bolting in the Spring. Do not make sequential applications for early emerging annual weeds and Winter emerging weeds such as Downy brome, Jointed goatgrass and Ryegrass.
This product will control or suppress most perennial weeds. For some perennial weeds, sequential applications may be required to eliminate crop competition throughout the growing season.

Use Restrictions:
No more than two over-the-top broadcast applications may be made from crop emergence up the onset of bolting and the total in-crop application must not exceed 1 quart per acre. Allow a minimum of 60 days between last application and Canola harvest.

Weeds Controlled:
For specific rates of application and instructions for control of various annual and perennial weeds, refer to the *"WEEDS CONTROLLED AND RATES"* sections of this label.
Do not make over-the-top application of this product when in tank-mixture with other herbicides, insecticides, or fungicides as this may result in reduced weed control or crop injury.
Some weeds with multiple germination times or suppressed (stunted) weeds may require sequential applications of this product for control. Make the second application after some regrowth has occurred and at least 10 days after a previous application of this product.

CORN WITH THE ROUNDUP READY GENE

TYPES OF APPLICATIONS: Pre-plant, Pre-emergence, At-planting, Post-emergence (In-Crop), Spot treatment, Pre-harvest, Post-harvest.

Summary Table of Use Directions of This Product on Roundup Ready Corn			
Applications	**Maximum Rate of This Product per Application**	**Maximum Amount Applied**	**Pre-harvest Interval (PHI) When Corn is Harvested for:**
Pre-plant, Pre-emergence, At-Planting			
Single or Sequential	—	5 qts./Ac.	Forage – 50 days Grain – See below
Post-emergence, In-crop (Emergence to V-8 stage or 30 inches high)			
Single	1 qt./Ac.	1 qt./Ac.	Forage – 50 days Grain – See below
Sequential (minimum 10 day interval between applications)	1 qt./Ac.	2 qts./Ac.	Forage – Prohibited Grain – See below
Pre-harvest, Corn for Grain (Black layer until 7 days before harvest)			
Single	1 qt./Ac.	1 qt./Ac.	Grain - 7 days
Combined per year total for all applications: 8 qts./Ac.			

When applied as directed, this product controls labeled annual grasses and broadleaf weeds in Roundup Ready Corn. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. Apply to actively growing weeds before they reach the maximum height listed in the *"WEEDS CONTROLLED AND RATES"* section.
Refer to *"MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS"* section of this label for proper use instructions.

Ammonium Sulfate:
Ammonium sulfate may be mixed with this product for application to Roundup Ready Corn. Refer to the *"MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS"* section of this label for use instructions for Ammonium sulfate.

Pre-harvest Intervals (PHI):
Allow a minimum of 50 days between application of this product and harvest of Corn forage and 7 days between application and harvest of Corn grain. Allow a minimum of 10 days between in-crop applications of this product. **Do not graze, harvest or feed Corn forage or silage following sequential in-crop applications of this product on Roundup Ready Corn.** There are no rotational crop restrictions following applications of this product.

Ground Applications:
Use the specified rates of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. Carefully select correct nozzles and spray pressure to avoid spraying a fine mist. Check for even distribution of spray droplets.

Aerial Applications:
Use the specified rates of this product in 3 to 15 gallons of spray solution per acre. Do not exceed 1 quart per acre. See the *"WEEDS CONTROLLED AND RATES"* section of this label for specified rates. AERIAL APPLICATIONS TO ROUNDUP READY CORN MAY BE MADE ONLY IN THE FOLLOWING STATES: AL, AR, CO, FL, GA, KS, LA, MS, MO (Bootheel only), NE, NC, ND, OK, SC, SD, TN, TX.

Weeds Controlled:
Apply 0.75 to 1 quart of this product per acre for control of labeled grasses and broadleaf weeds in conventional and no-till Corn production systems. See *"ANNUAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label for rates and directions for specific annual weeds. This product, applied up to 1 quart per acre will also control or suppress the growth of perennial weeds such as:

Bermudagrass	Horsenettle	Redvine
Canada thistle	Nutsedge	Trumpetcreeper
Common milkweed	Quackgrass	Swamp smartweed
Field bindweed	Rhizome johnsongrass	Wirestem muhly
Hemp dogbane		

For additional use information on perennial weeds, see *"PERENNIAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label.

Pre-emergence Followed by Post-emergence Weed Control Program:

This product may be applied post-emergence in-crop following any labeled pre-emergence herbicide application. Make post-application of this product before the weeds reach a height and/or density that the weeds become competitive with the crop. A single in-crop application of this product at the specified rate will provide control of emerged weeds listed on this label. This product may be applied post-emergence to Roundup Ready Corn from emergence through V-8 (8 leaves with collars) stage or until Corn height reaches 30 inches (free standing), whichever comes first.

Post-emergence Only Weed Control Program:

This product may be applied alone as a post-emergence in-crop application to provide control of emerged weeds listed on the label. Make post-emergence application of this product before the weeds reach a height and/or density that the weeds become competitive with the crop. If new flushes of weeds occur, a sequential application of this product at 0.75 to 1 quart per acre will control the listed grasses and broadleaf leaves. This product may be applied post-emergence to Roundup Ready Corn from emergence to the V-8 stage or until Corn height reaches 30 inches (free standing), whichever comes first.

Note: Non-ionic surfactants which are labeled for use with post-emergence herbicides may be used. When using additional surfactant, use 0.5% surfactant concentration (2 qts. per 100 gals. of spray solution) for those surfactants containing less than 70% active ingredient.

The addition of certain surfactants to this product may result in some crop response, including leaf necrosis, leaf chlorosis or leaf speckling due to the surfactant added to the spray mixture. Read and carefully observe precautionary statements and other information in the surfactant label.

Post-harvest Applications:

This product may be applied after harvest of Corn.

Higher rates may be required for control of large weeds that were growing in the crop at the time of harvest. Tank-mixtures with 2,4-D or Dicamba may be used.

USE RESTRICTIONS: Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

For Post-emergence Applications to Roundup Ready Corn 2

The use of the higher in-crop over-the-top rates described in this section on other than Roundup Ready Corn 2 may cause crop injury and reduce yields.

For Roundup Ready Corn 2 from emergence through the V8 stage (8 leaves with collars) or until Corn height reaches 30 inches, whichever comes first, this product may be applied over-the-top broadcast or with drop nozzles. When Corn height is 24 to 30 inches (free standing), use drop nozzles for optimum spray coverage and weed control. For Corn heights 30 to 48 inches (free standing), apply this product only using ground application equipment with drop nozzles adjusted to avoid spraying into the whorls of the Corn plants. Single in-crop applications of this product must not exceed 1.5 quarts per acre.

Maximum Allowable Combined Application Quantities Per Season (Qts./Ac.)	
Total of Pre-plant, At-planting, Pre-emergence applications	5
Post-emergence (in-crop): Maximum combined total of multiple in-crop applications from emergence through the 48 inch stage	3
Pre-harvest: Maximum pre-harvest application rate after maximum kernel fill is complete and the crop is physiologically mature (black layer formation) with 35% grain moisture or less until 7 days before harvest. See *"USE RESTRICTIONS"* on pre-harvest applications.	1
Cropping Season: Combined total per year for all applications	**8**

The addition of 1 to 2% dry Ammonium sulfate by weight or 8.5 to 17 pounds per 100 gallons of water may increase the performance of this product under hard water conditions, drought conditions or when tank-mixed with Alachlor herbicide. Ensure that Ammonium sulfate is completely dissolved in the spray tank before adding herbicides. Thoroughly rinse the spray system with clean water after use to reduce corrosion. The addition of other additives, including fertilizers and micronutrients are not directed with this product since this may result in increased potential for crop injury.

Ground Applications:

For ground applications, use the specified rates of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. Carefully select correct nozzles and spray pressure to avoid spraying a fine mist. Check for even distribution of spray droplets.

Aerial Applications:

For aerial applications, use the specified rates of this product in 3 to 15 gallons of spray solution per acre. Do not exceed 1 quart per acre. See the *"WEEDS CONTROLLED AND RATES"* section of this label. AVOID DRIFT – DO NOT APPLY DURING INVERSION CONDITIONS, WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITIONS WHICH FAVOR DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO PREVENT INJURY TO ADJACENT VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Weeds Controlled:

Apply 0.75 to 1 quart of this product per acre for control of labeled grasses and broadleaf weeds in conventional and no-till Corn production systems. Refer to *"ANNUAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label for specified rates for specific annual weeds. This product applied at up to 1.5 quarts per acre will control or suppress the growth of perennial weeds such as Bermudagrass, Canada thistle, Common milkweed, Field bindweed, Hemp dogbane, Horsenettle, Nutsedge, Quackgrass, Rhizome johnsongrass, Redvine, Trumpetcreeper, Swamp smartweed, and Wirestem muhly. For additional information on perennial weeds, see *"PERENNIAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label.

Pre-plant, Pre-emergence, At-Planting Applications:

This product may be applied alone or in tank-mixture before, during or after planting Corn.

Pre-emergence Followed by Post-emergence Weed Control Program:

This product may be applied post-emergence in-crop following any labeled pre-emergence herbicide application. Make post-application of this product before the weeds reach a height and/or density that the weeds become competitive with the crop.

An in-crop application of this product at the specified rates will provide control of emerged weeds listed on the label. This product may be applied over-the-top broadcast or with drop nozzles post-emergence to Roundup Ready Corn 2 from emergence through the V8 stage (8 leaves with collars) or until Corn height reaches 30 inches (free standing), whichever comes first. When Corn height is 24 to 30 inches, use drop nozzles for optimum spray coverage and weed control. For Corn heights 30 to 48 inches (free standing), apply this product only using ground application equipment with drop nozzles and avoid spraying into the whorls of the Corn plants.

Post-emergence Only Weed Control Program:

This product may be applied alone as a post-emergence in-crop application to provide control of emerged weeds listed on the label. Make post-emergence application of this product before the weeds reach a height and/or density that the weeds become competitive with the crop. If new flushes of weeds occur, a sequential application of this product at 0.75 to 1 quart per acre will control the labeled grasses and broadleaf weeds. This product may be applied over-the-top broadcast or with drop nozzles post-emergence to Roundup Ready Corn 2 from emergence through the V8 stage or until Corn height reaches 30 inches (free standing), whichever comes first. When Corn height is 24 to 30 inches, use drop nozzles for optimum spray coverage and weed control. For Corn height 30 to 48 inches (free standing), apply this product only using ground application equipment with drop nozzles and avoid spraying into the whorls of the Corn plants.

Tank-Mixtures:

This product may be applied in tank-mixtures with but not limited to the following products. Refer to the specific product label and observe all use precautions and limitations on the label for all products used in tank-mixtures, including application timing restrictions, soil restrictions, minimum re-cropping interval and rotational guidelines. The more restrictive requirements apply. Tank-mixtures with other products may result in increased potential for crop injury and/or weed antagonism. Refer to the following table for height limitation for tank-mix partner.

Tank-Mix Partner	Maximum Height of Corn For Application (Inches)
Acetochlor	11
Alachlor	5
Atrazine	12
Halosulfuron	24
Metolachlor	40

There are no rotational crop restrictions following applications of this product.

Use Restrictions:

Single in-crop applications of this product must not exceed 1.5 quarts per acre. Allow a minimum of 10 days between in-crop applications of this product. Allow a minimum of 50 days between application of this product and harvest of Corn forage or grain. For applications at pre-harvest timing (see *"Pre-harvest Applications"* section below), allow a minimum of 7 days between application and harvest or feeding of Corn stover or grain.

Pre-harvest Applications:

A single pre-harvest application of up to 1 quart of this product per acre may be made, if no more than a total of 2 quarts of this product has been previously applied in over-the-top or drop nozzle applications. Make a pre-harvest application at 35% grain moisture or less. Ensure that maximum kernel fill is complete and the Corn is physiologically mature (black layer formed).

USE RESTRICTIONS: Do not make a pre-harvest application of this product if more than a combined total of 2 quarts of this product has been previously applied in over-the-top or drop nozzle applications. Allow a minimum of 7 days between a pre-harvest application and harvest or feeding of Corn stover or grain.

Post-harvest Applications:

This product may be applied after harvest of Corn. Higher rates may be required for control of large weeds that were growing in the crop at the time of harvest. Tank-mixtures with 2,4-D or Dicamba may be used.

USE RESTRICTIONS: Allow a minimum of 7 days between treatment and harvest or feeding of treated vegetation.

For Control and Management of Glyphosate-Resistant Horseweed/Marestail *(Conyza canadensis)* in Roundup Ready Corn Hybrids Only

For ground applications, use 10 to 20 gallons of water per acre. For aerial applications, use 3 to 15 gallons of water per acre. For tank-mixtures, read and carefully observe the precautionary statements and all other information appearing on the product labels, supplemental labeling or fact sheets published separately for all herbicides used. Follow the most restrictive label.

In-crop

For in-crop Roundup Ready Corn, apply a tank-mixture of this product (1 qt. per acre) plus Dicamba (0.25 to 0.5 lb. per acre) or 2,4-D (0.5 to 1 lb. per acre). Apply between Corn emergence and the 5 leaf stage of growth (approximately 8 inches tall).

COTTON WITH THE ROUNDUP READY GENE

ONLY USE THIS PRODUCT OVER-THE-TOP OF OR DIRECTED ONTO IMPROVED COTTON VARIETIES THAT ARE DESIGNATED AS COTTON WITH THE ROUNDUP READY GENE.

COTTON WITH THE ROUNDUP READY GENE MAY ONLY BE USED FOR PLANTING A COMMERCIAL CROP IN A SINGLE SEASON. SEED MAY NOT BE SAVED FOR REPLANTING AND SAVED SEED MAY NOT BE SUPPLIED TO OTHERS FOR REPLANTING. DREXEL DOES NOT WARRANT THE SAFETY OR PERFORMANCE OF THIS PRODUCT WHEN USED ON "BROWN BAG" OR FARMER-SAVED SEED.

ATTENTION: Use of this product in accordance with label directions is expected to result in normal growth of Roundup Ready Cotton, however, various environmental conditions, agronomic practices and other factors make it impossible to eliminate all risks associated with the use of this product, even when applications are made in conformance with the label specifications. In some cases, these factors can result in boll loss, delayed maturity and/or yield loss.

TYPES OF APPLICATIONS: Pre-plant, Pre-emergence, At-planting, Post-emergence (Over-the-top), Selective Equipment, Pre-harvest.

Maximum Allowable Yearly Rates of This Product (Qts./Ac.)	
Total of Pre-plant, Pre-emergence applications	5
Total in-crop applications from cracking to lay-by	4
Maximum pre-harvest application rate	2
Combined total per year for all applications	**8**

Ground Applications:

With broadcast equipment, apply this product in 5 to 20 gallons of spray solution per acre. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best result with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

Aerial Applications:

Apply this product in 3 to 15 gallons of spray solution per acre.

DO NOT EXCEED A MAXIMUM RATE OF 1 QUART OF THIS PRODUCT PER ACRE WHEN MAKING APPLICATIONS BY AIR.

Do not apply during low-level inversion conditions, when winds are gusty or under any other conditions which favor drift. Drift may cause damage to any vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

There are no rotational crop restrictions following applications of this product.

Pre-plant, Pre-emergence, At-planting Applications:

This product may be applied before, during or after planting Cotton.

Post-emergence (Over-the-top) Applications:

This product may be applied by aerial or ground application equipment post-emergence to Roundup Ready Cotton from the ground cracking stage until the 4 leaf (node) stage of development (until the 5th true leaf reaches the size of a quarter). Over-the-top applications made after the 4 leaf (node) stage of development may result in boll loss, delayed maturity and/or yield loss. Any single over-the-top broadcast application must not exceed 1 quart per acre. No more than 2 over-the-top broadcast applications may be made from crop emergence through the 4 leaf (node) stage of development. Sequential over-the-top applications of this product must be at least 10 days apart and Cotton must have at least 2 nodes of incremental growth between applications. **Note:** Always plant into a weed-free seedbed. In no-till and stale seedbed systems always burn down existing weeds before Cotton emerges. Apply a pre-plant burndown treatment of 0.5 to 1.5 quarts (16 to 48 fl. ozs.) of this product per acre.

Post-directed or Hooded Applications:

This product may be applied using precision post-directed or hooded sprayers to Roundup Ready Cotton through lay-by. At this stage, use post-directed equipment which directs the spray to the base of the Cotton plants. Avoid spray contact with Cotton leaves to the maximum extent possible. To minimize spray onto the leaves of the Cotton plants, place nozzles in a low position directing a horizontal spray pattern under the Cotton leaves to contact the weeds in the row, and maintain low spray pressure (less than 30 psi). For best results make applications while weeds are small (less than 3 inches). Applications that contact the Cotton leaves may result in boll loss, delayed maturity and/or yield loss. Any single post-directed application must not exceed 1 quart of this product per acre. Do not make more than two applications from the 5 leaf stage through lay-by. Sequential in-crop applications of this product must be at least 10 days apart and Cotton must have at least two nodes of incremental growth between applications.

Salvage Treatment:

This treatment may be used after the 4 leaf stage of development. Use only where weeds threaten to cause the loss of the crop. One quart per acre may be applied either as an over-the-top application or as a post-directed treatment sprayed higher on the Cotton plants and over the weeds. **Note:** Salvage treatments will result in significant boll loss, delayed maturity and/or yield loss. **Do not make more than one salvage treatment per growing season.**

Weeds Controlled:
For specific rates of application and instructions for control of various annual and perennial weeds, refer to the *"WEEDS CONTROLLED AND RATES"* section of this label. This product, applied at the 1 quart rate per acre, will burndown or suppress the growth of the following perennial weeds and reduce crop competition.

Common bermudagrass	Silverleaf nightshade
Redvine	Trumpetcreeper
Rhizome johnsongrass	Yellow and Purple nutsedge

Fall pre-harvest application may be required for control of these perennial weeds. Do not use this product in tank-mixtures with other herbicides for over-the-top applications as this may result in reduced weed control or crop injury.
Some weeds with multiple germination times or suppressed (stunted) weeds may require sequential applications of this product for control.

Pre-harvest Applications:
This product may be applied for pre-harvest annual and perennial weed control as a broadcast treatment to Roundup Ready Cotton after 20% boll crack.
Allow a minimum of 7 days between application and harvest.
THE USE OF ADDITIVES FOR PRE-HARVEST APPLICATION TO ROUNDUP READY COTTON IS PROHIBITED.
Note: This product will not enhance the performance of harvest aids when applied to Roundup Ready Cotton. DO NOT APPLY THIS PRODUCT PRE-HARVEST TO CROPS GROWN FOR SEED.
Non-ionic surfactants which are labeled for use with post-emergence herbicides may be used. When using additional surfactant, use 0.5% surfactant concentration (2 qts. per 100 gals. of spray solution) when using surfactant which contains at least 70% active ingredient, or a 1% surfactant concentration (4 qts. per 100 gals. of spray solution) for surfactant containing less than 70% active ingredient.

For Cotton with the Roundup Ready Gene for Application (Arizona Only)
See *"USE INFORMATION"* and *"MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS"* sections of this label for essential product performance information.
TYPES OF APPLICATIONS: Pre-plant, At-planting, Pre-emergence, Over-the-top, Selective Equipment, Pre-harvest.

Maximum Allowable Combined Application Quantities Per Season (Qts./Ac.)	
Total of Pre-plant, At-planting, Pre-emergence applications	5
Total in-crop applications from ground cracking to lay-by	3.75
Total in-crop over-the-top from ground cracking to 4 leaf stage	3
Total in-crop applications using selective equipment through lay-by	2
Maximum pre-harvest application rate	2
Combined total per year for all applications	**8**

USE PRECAUTIONS: DO NOT combine these instructions with other use directions made for crop varieties that do not contain the Roundup Ready gene. See the *"USE DIRECTIONS FOR ANNUAL AND PERENNIAL CROPS"* section of this label.
Sequential in-crop over-the-top or post-directed applications of this product must be at least 10 days apart and Cotton must have at least two nodes of incremental growth between applications.
Applications made in excess of maximum label rates are expected to result in boll loss, delayed maturity and/or yield loss.
The maximum use rates stated throughout this product's labeling apply to this product combined with the use of all other herbicides containing Glyphosate or Sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other Glyphosate or Sulfosate containing products does not exceed stated maximum use rates.
USE RESTRICTIONS: The combined total application of this product from Cotton emergence until harvest must not exceed 6 quarts per acre. No more than two over-the-top broadcast applications may be made from crop emergence through the 4 leaf (node) stage of development. Do not make more than two post-directed applications from the 5 leaf stage through lay-by. Allow a minimum of 7 days between application and harvest.

Pre-plant, At-Planting, Pre-emergence Applications:
This product may be applied before, during or after planting Cotton.

Post-emergence (Over-the-top) Applications:
This product may be applied by aerial or ground application equipment at rates up to 1 quart per acre per application post-emergence to Roundup Ready Cotton from the ground cracking stage until the 4 leaf (node) stage of development (until the fifth true leaf reaches the size of a quarter). **Note:** Over-the-top applications made after the 4 leaf (node) stage of development may result in boll loss, delayed maturity and/or yield loss.

Applications Using Selective Equipment:
This product may be applied in-crop using precision post-directed or hooded sprayers to Roundup Ready Cotton through lay-by. Unless otherwise directed, any single application using selective equipment must not exceed 1 quart per acre. Sequential in-crop applications using selective equipment may be made up to a maximum of 2 quarts per acre. At this stage, use post-directed equipment which directs the spray to the base of the Cotton plants. Avoid spray contact with Cotton leaves to the maximum extent possible. To minimize spray onto the leaves of the Cotton plants, place nozzles in a low position directing a horizontal spray pattern under the Cotton leaves to contact weeds in the row, and maintain low spray pressure (less than 30 psi). For best results, make applications while weeds are small (less than 3 inches).
USE PRECAUTIONS: See the *"Selective Equipment"* part of the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for information on proper use and calibration of this equipment.
USE RESTRICTIONS: The combined total of in-crop over-the-top plus selective equipment applications must not exceed 4 quarts per acre.

Salvage Treatment:
This treatment may be used after the 4 leaf stage of development and only where weeds threaten to cause the loss of the crop. One quart per acre may be applied either as an over-the-top applications or as a post-directed treatments sprayed higher on the Cotton plants and over the weeds. **Note:** SALVAGE TREATMENTS WILL RESULT IN SIGNIFICANT BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS. NO MORE THAN ONE SALVAGE TREATMENT MAY BE USED PER GROWING SEASON.
For specific rates of application and instructions, refer to the *"WEEDS CONTROLLED AND RATES"* section of this label.

Pre-harvest Applications:
This product may be applied for pre-harvest annual and perennial weed control as a broadcast treatment to Roundup Ready Cotton after 20% boll crack. Up to 2 quarts of this product per acre may be applied using either aerial or ground spray equipment. **Note:** This product will not enhance the performance of harvest aids when applied to Roundup Ready Cotton.
USE RESTRICTIONS: Allow a minimum of 7 days between application and harvest of Cotton. Do not apply this product pre-harvest to Roundup Ready Cotton grown for seed.

For Control and Management of Glyphosate-Resistant Horseweed/Marestail *(Conyza canadensis)* in Roundup Ready Cotton Varieties Only
For ground applications, use 10 to 20 gallons of water per acre. For aerial applications, use 3 to 15 gallons of water per acre. For tank-mix directions, read and carefully observe the precautionary statements and all other information appearing on the product labels, supplemental labeling or fact sheets published separately for all herbicides used.

Post-directed Applications:
Management of early season weed competition and the development of a crop height differential between Cotton and the Horseweed/Marestail (*Conyza canadensis*) are often achieved by a combination of pre-plant burndown and post-emergent over-the-top and/or directed applications of this product. These measures enhance the development of a height differential that is necessary to successfully make post-directed treatments. Make in-crop post-directed applications of MSMA (2 lbs./Ac.) tank-mixed with Diuron (0.5 to 0.75 lbs. per acre) when the temperature is 80°F or higher.

Tank-mixtures of This Product with Metolachlor

Apply this product as a tank-mixture with Metolachlor in water post-emergence directed or post-emergence over-the-top for control of emerged weeds as listed on this and Metolachlor labels as well as for residual pre-emergence weed control of the weeds listed on the Metolachlor label. See the section *"POST-EMERGENCE (OVER-THE-TOP) APPLICATIONS"* for use rates and timings of this product and follow the Metolachlor label for its specified rates, method of application, and timing of application restrictions. DO NOT add fertilizer additives, surfactants and spray adjuvant or pesticides to this tank-mixture if it is to be applied post-emergence over-the-top to Cotton or crop injury may occur.

USE PRECAUTIONS: Post-emergence over-the-top applications of this tank-mixture may cause temporary injury such as necrotic spotting on the exposed Cotton leaves, which will not affect normal plant development.

USE RESTRICTIONS: Do not apply this tank-mixture post-emergence to Cotton varieties not designated as Roundup Ready. Do not apply post-emergence over-the-top to Cotton past the growth stage limit. Do not use on *Sand* or *Loamy sand soils* in Gaines County, Texas.

Flex Cotton with Roundup Ready Gene

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY CROPS), DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

See *"USE INFORMATION"* and *"MIXING, ADDITIVES, AND APPLICATION INSTRUCTIONS"* sections in this label for important product performance information.

The instructions provided in this section are specific to, and may only be used with, varieties designated as Roundup Ready Flex Cotton. Applications described in this section on other than Roundup Ready Flex Cotton will cause crop injury and reduced yields. DO NOT combine the instructions in this section, with those in the *"ROUNDUP READY COTTON"* section of this label, or with any other Roundup Ready Cotton or Roundup Ready Flex Cotton instructions on labeling for this or any other Glyphosate-containing products. Drift of this product from an application made to Roundup Ready Flex Cotton onto adjacent fields of post 4 leaf (node) Roundup Ready Cotton may cause extensive injury including boll loss, delayed maturity and/or yield loss.

TYPES OF APPLICATIONS: Pre-plant, At-Planting, Pre-emergence, Post-emergence (In-Crop), Pre-harvest.

Maximum Allowable Combined Application Quantities Per Season (Qts./Ac.)	
Total of all Pre-plant, At-planting, Pre-emergence applications	5
Total of all in-crop applications from ground cracking to 60% open bolls	6
Total of all in-crop applications between lay-by and 60% open bolls	2
Total of all in-crop applications from 60% bolls open to 7 days prior to harvest	2
Total of all in-crop applications from emergence through harvest	6
Combined total per year for all applications	**8**

Pre-plant, Pre-emergence, At-Planting

This product may be applied before, during or after planting Roundup Ready Flex Cotton.

TANK-MIXTURES: This product may be tank-mixed with 2,4-D or Dicamba and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the specific product being used is labeled for application prior to planting or the emergence of Cotton.

Read and follow label directions of all products in the tank-mixture. Clomazone, Diuron, Flumioxazin, Fluometuron, Fomesafen, Metolachlor, Pendimethalin, Prometryn, Pyrithiobac.

USE RESTRICTIONS: Maximum quantity of this product that may be applied for all pre-plant, at-planting and pre-emergence applications combined is 5 quarts per acre per season. Refer to individual tank-mix product label for restrictions and precautions. Use according to the most restrictive precautionary statements for each product in the tank-mixture.

Post-emergence (In-Crop) Applications:

When applied in accordance with the label, this product will control listed annual grasses and broadleaf weeds in Roundup Ready Flex Cotton. To maximize yield potential, spray Cotton early to eliminate competing weeds. Many perennial weeds will be controlled or suppressed with one or more applications of this product. Use an initial application of 1 quart per acre to control or suppress 1 to 3 inch tall annual grass and broadleaf weeds. This product may be applied by ground application equipment at rates up to 1.5 quarts per acre per application to Roundup Ready Flex Cotton. In addition to broadcast applications, post-directed equipment may be used to achieve more thorough weed coverage.

TANK-MIXTURES: This product may be tank-mixed with the following products and applied post-emergence (in-crop) over the top of Roundup Ready Flex Cotton. Ensure that the specific product being used is labeled for application post-emergence (in-crop) to Cotton. Read and follow label directions of all products in the tank-mixture. Clethodim, Fluazifop, Fomesafen, Metolachlor, Pyrithiobac, Quizalofop, Sethoxydim, Trifloxysulfuron.

Pyrithiobac may cause leaf yellowing and/or leaf crinkling when applied post-emergence (in-crop) to Roundup Ready Flex Cotton. Metolachlor over-the-top of Roundup Ready Flex Cotton may cause leaf injury in the form of necrotic spotting.

This product can be tank-mixed with the following product for in-crop application using precision post-directed or hooded sprayer. Ensure that the specific product being used is labeled for application post-emergence (in-crop) to Cotton. Read and follow label directions of all products in the tank-mixture. Carfentrazone, Diuron, Flumioxazin, Fluometuron, Linuron, Pendimethalin, Prometryn, Pyrithiobac, Trifloxysulfuron.

Pyrithiobac may cause leaf yellowing and/or leaf crinkling when applied post-emergence (in-crop) in Roundup Ready Flex Cotton.

USE PRECAUTIONS: In-crop application rates above 1 quart of this product per acre made alone or with the addition of other crop chemical products containing surfactant may cause a crop response including leaf speckling or leaf necrosis. DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR OVER-THE-TOP APPLICATION TO ROUNDUP READY FLEX COTTON. Refer to individual tank-mix product label for restrictions and precautions; use according to the most restrictive precautionary statements for each product in the tank-mixture.

USE RESTRICTIONS: The maximum rate of this product for any single in-crop application is 1.5 quarts per acre using ground application equipment. Do not exceed a maximum rate of 1 quart of this product when making applications by air. Between lay-by and 60% open bolls, the maximum combined total rate of this product that may be applied is 2 quarts per acre. The maximum combined total rate of all applications made from crop emergence to 60% open bolls must not exceed 6 quarts per acre.

Pre-harvest Applications:

This product may be applied to Roundup Ready Flex Cotton up to 2 quarts per acre for annual and perennial weed control prior to harvest after 60% boll crack. **Note:** This product will not enhance the performance of harvest aids when applied to Roundup Ready Flex Cotton.

USE RESTRICTIONS: Allow a minimum of 7 days between application and harvest of Roundup Ready Flex Cotton.

DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR PRE-HARVEST APPLICATION TO ROUNDUP READY FLEX COTTON.

SOYBEANS WITH THE ROUNDUP READY GENE

TYPES OF APPLICATIONS: Pre-plant, Pre-emergence, At-Planting, Post-emergence, Pre-harvest, Post-harvest.

This product may be applied post-emergence to Roundup Ready Soybeans from the cracking stage through the full flowering stage.

Maximum Allowable Combined Application Quantities Per Season (Qts./Ac.)	
Total of Pre-plant, At-planting, Pre-emergence applications	5
Total in-crop applications from cracking throughout flowering	3
Maximum pre-harvest application rate	1
Combined total per year for all applications	**8**

Pre-plant, Pre-emergence, At-Planting Applications:

This product may be applied before, during or after planting Soybeans. Refer to the table above for maximum allowable quantities of this product that can be applied per season.

Post-emergence Applications:

When applied as directed, this product will control labeled annual grasses and broadleaf weeds in Roundup Ready Soybeans. Applications of this product can be made in Roundup Ready Soybeans from emergence (cracking) throughout flowering. Refer to *"ANNUAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label for specified rates for specific annual weeds. Make an initial application of 1 quart of this product per acre on 2 to 8 inch tall weeds. Weeds will generally be 2 to 8 inches tall 2 to 5 weeks after planting. If the initial application is delayed and weeds are larger, apply a higher rate of this product. This product may be used up to 2 quarts per acre in any single in-crop application for control of annual weeds and where heavy weed densities exist.

This product at 1 to 2 quarts per acre (single or multiple applications), will control or suppress perennial weeds such as: Bermudagrass, Canada thistle, Common milkweed, Field bindweed, Hemp dogbane, Horsenettle, Horseweed/Marestail (*Conyza canadensis*), Nutsedge, Quackgrass, Rhizome johnsongrass, Redvine, Trumpetcreeper, Swamp smartweed and Wirestem muhly. For best results, allow perennial weed species to achieve at least 6 inches of growth before spraying with this product.

Under adverse growing conditions such as drought, hail, wind damage or a poor Soybean stand that slows or delays canopy closure, a sequential application of this product may be necessary to control late flushes of weeds. IN THE SOUTHERN STATES, A SEQUENTIAL APPLICATION OF THIS PRODUCT WILL BE REQUIRED TO CONTROL NEW FLUSHES OF WEEDS IN THE ROUNDUP READY SOYBEAN CROP. To control Giant ragweed, apply 1 quart of this product per acre when the weed is 8 to 12 inches tall to increase control and possibly avoid the need for a sequential application.

USE RESTRICTIONS: The combined total application from crop emergence through harvest must not exceed 3 quarts per acre. The maximum rate for any single in-crop application is 2 quarts per acre. The maximum combined total of this product that can be applied during flowering is 2 quarts per acre.

Pre-harvest Applications:

This product provides weed control when applied prior to harvest of Soybeans. Up to 1 quart of this product per acre can be applied by aerial or ground application. Refer to the table above for maximum allowable quantities of this product that can be applied per season.

USE PRECAUTIONS: Avoid excessive seed shatter loss due to ground application equipment.

USE RESTRICTIONS: Allow a minimum of 14 days between final application and harvest of Soybean grain or feeding of Soybean grain, forage or hay.

Post-harvest Applications:

This product may be applied after harvest of Roundup Ready Soybeans. Higher rates may be required for control of large weeds which were growing in the crop at the time of harvest. Tank-mixtures with 2,4-D or Dicamba may be used.

Cropping Season:

Combined total for the year for all applications of this product may not exceed 8 quarts per acre.

When used as directed, this product will control annual grasses and broadleaf weeds listed in Roundup Ready Soybeans. Many perennial grasses and broadleaf weeds will be controlled or suppressed with 1 or more applications of this product.

There are no rotational crop restrictions following applications of this product.

Ground Applications:

Use the specified rates of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best results with ground application equipment, use nozzles which provide a flat fan pattern. Check for even distribution of spray droplets.

Aerial Applications:

Use the specified rates of this product in 3 to 15 gallons of water per acre. Do not exceed 1 quart of this product per acre. DO NOT APPLY DURING LOW LEVEL INVERSION CONDITIONS WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITIONS WHICH FAVOR DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Rates for Annual Weeds:

The following rates will provide control of annual grasses and broadleaf weeds listed in conventional and no-till Soybean production systems. Refer to *"ANNUAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label for specified rates for specific annual weeds. Do not use this product in tank-mixtures with other herbicides due to the potential for crop injury and/or weed antagonism, and to rotational crop restrictions of the tank-mixed partner.

This product may be used at a rate of up to 2 quarts per acre in any single application for control of annual weeds where heavy weed densities exist. The maximum combined total of this product which can be applied during flowering is 2 quarts per acre. **Note:** The following are based on a clean start at planting by using a burndown application or tillage to control existing weeds before Soybean emergence. In stale seedbed or no-till systems, a pre-plant burndown treatment of 0.5 to 2 quarts of this product per acre may be applied to control existing weeds prior to crop emergence.

Midwest / Mid-Atlantic Uses

Narrow-row or Drilled Soybeans: A single in-crop application of this product will provide effective control of labeled weeds. For best results, make an initial application of 1 quart per acre on 4 to 8 inch weeds. Weeds will generally be 4 to 8 inches tall 3 to 5 weeks after planting. If the initial application is delayed and weeds are 8 to 18 inches tall, use 1.5 quarts per acre for best results.

Under adverse conditions such as drought, hail, wind damage or a poor Soybean stand that slows or delays canopy closure, a sequential application of this product at 0.75 to 1 quart per acre may be necessary to control late flushes of weeds. The combined total applications of this product made in-crop must not to exceed 3 quarts per acre.

Wide-row Soybeans: An in-crop application of this product will provide effective control of the initial stand of labeled weeds. For best result, make an initial application of 1 quart per acre on 4 to 8 inch weeds. Weeds will generally be 4 to 8 inches tall 3 to 5 weeks after planting. If new flushes of weeds occur, they can be controlled by sequential applications of this product.

Initial Treatment and Sequential* (if needed) Applications	
Weed Height (Inches)	**Rate (Qts./Ac.)**
1 to 4	0.75
4 to 8	1
8 to 18	1.5
*** Combined total application in-crop shall not exceed 3 qts. per Ac.**	

Black nightshade, Pennsylvania smartweed, Velvetleaf and Waterhemp: Apply 32 fluid ounces (1 qt.) per acre to weeds 3 to 6 inches tall and 1.5 quarts to weeds up to 12 inches tall. For Morningglory species, apply 1 quart to weeds up to 4 inches and 1.5 quarts to weeds up to 6 inches.

Giant ragweed: Apply 1 quart per acre when the weed is 8 to 12 inches tall to avoid the need for sequential application.

Some weeds such as Black nightshade, Burcucumber, Giant ragweed, Shattercane, Wild proso millet and Woolly cupgrass with multiple germination times may require a sequential application of this product.

Suppressed or stunted weeds may also require sequential application. Make sequential applications after some regrowth has occurred. Use a minimum of 16 fluid ounces of this product per acre for sequential applications.

The combined yearly total of in-crop applications post-emergence of this product must not exceed 3 quarts per acre.

Southeast Uses

Narrow-row, Drilled or Wide-row Soybeans: A single in-crop application of this product will provide effective control of the initial stand of labeled weeds. For best results, make an initial application of 1 quart per acre on 3 to 6 inch weeds. Weeds will generally be 3 to 6 inches tall 2 to 3 weeks after planting.

Initial Treatment	
Weed Height (Inches)	**Rate (Qts./Ac.)**
3 to 6	1
6 to 12	1.5

Under adverse growing conditions such as drought, hail, wind damage or a poor stand of Soybeans that slows or delays canopy closure, a sequential application of this product at 0.5 to 1 quart per acre may be necessary to control late flushes of weeds.

Sequential Application* (if needed)	
Weed Height (Inches)	**Rate (Qts./Ac.)**
2 to 3	0.5
3 to 6	0.75
6 to 12	1
*** Combined total application in-crop shall not exceed 3 qts. per Ac.**	

Florida pusley, Hemp sesbania and Spurred anoda: Apply 1 quart per acre to weeds 2 to 4 inches tall for the initial application. Apply 1 quart per acre when these weeds are 3 to 6 inches tall if a sequential application is needed.

For Black nightshade, Groundcherry, Morningglory and Pennsylvania smartweed, apply the following rates for the initial application:

Weed Height (inches)	Rate (qts./Acre)
1 to 3	0.75
3 to 6	1
6 to 12	1.5

Some weeds, such as Black nightshade, broadleaf Signalgrass, Burcucumber, Sicklepod and Texas panicum with multiple germination times may require a sequential application of this product. Suppressed or stunted weeds may also require sequential application. Make sequential applications after some regrowth has occurred. Use a minimum of 0.5 quart of this product per acre for sequential applications. The combined total of all in-crop applications of this product post-emergence must not exceed 3 quarts per acre.

Delta / Mid-South Uses

Narrow-row, Drilled or Wide-row Soybeans: A single in-crop application of this product will provide effective control of the initial stand of labeled weeds. New flushes of weeds can be controlled by sequential applications of this product. Combined yearly total of this product is not to exceed 3 quarts per acre. For best results, make an initial application of 1 quart per acre on 2 to 4 inch weeds. Weeds will generally be 2 to 4 inches tall in 2 to 3 weeks after planting.

Initial Treatment	
Weed Height (Inches)	**Rate (Qts./Ac.)**
2 to 4	1
5 to 12	1.5

Sequential Application*	
Weed Height (Inches)	**Rate (Qts./Ac.)**
2 to 3	0.5
3 to 6	0.75
6 to 12	1
*** Combined total application in-crop shall not exceed 3 qts. per acre.**	

Hemp sesbania and Spurred anoda: Apply a sequential treatment of 1 quart per acre on weeds 3 to 6 inches tall if required.

Some weeds such as Black nightshade, broadleaf Signalgrass, Burcucumber, Sicklepod and Texas panicum, with multiple germination times may require a sequential application of this product.

Suppressed or stunted weeds may also require sequential application. Make sequential application after some regrowth has occurred. Use a minimum of 0.5 quart of this product per acre for sequential applications. The combined total applications post-emergence of this product must not exceed 3 quarts per acre.

Perennial Weeds Rate Uses:

This product at 1 to 2 quarts per acre rate (single or sequential applications), will control or suppress perennial weeds such as Bermudagrass, Canada thistle, Common milkweed, Field bindweed, Hemp dogbane, Horsenettle, Horseweed/Marestail (*Conyza canadensis*), Nutsedge, Quackgrass, Redvine, Rhizome johnsongrass, Trumpetcreeper, Swamp smartweed and Wirestem muhly. For best results, allow perennial weed species to achieve at least 6 inches of growth before spraying with this product. For additional information on perennial weeds, see *"PERENNIAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label. For some perennial weeds, repeat application may be required to eliminate crop competition throughout the growing season. **Note:** Non-ioinic surfactants which are labeled for use with post-emergence herbicides may be used. When using additional surfactant, use 0.5% surfactant concentration (2 qts. per 100 gals. of spray solution) when using surfactant which contain at least 70% active ingredient or a 1% surfactant concentration (4 qts. per 100 gals. of spray solution) for those surfactants containing less than 70% active ingredient.

The addition of certain surfactants to this product may result in some crop response including leaf necrosis, leaf chlorosis or leaf speckling due to the surfactant added to the spray mixture. Read and carefully observe precautionary statements and other information appearing on the surfactant label.

Soybeans with Roundup Ready Gene in the State of California Only

The California Department of Pesticide Regulation has reviewed and authorized the use of this product for applications in Roundup Ready Soybeans. Applicators must read and follow the use directions specified in the *"SOYBEANS WITH THE ROUNDUP READY GENE"* section of this label.

For Control and Management of Glyphosate Resistant Horseweed/Marestail *(Conyza canadensis)* in Roundup Ready Soybean Varieties Only

For ground applications, use 10 to 20 gallons of water per acre. For aerial applications, use 3 to 15 gallons of water per acre. For tank-mixtures, read and carefully observe the precautionary statements and all other information appearing on the product labels, supplemental labeling or fact sheets published separately for all herbicides used.

Post-emergence (In-crop) Applications:

Control Horseweed prior to planting using pre-plant burndown treatments. In in-crop Roundup Ready Soybeans, apply a tank-mixture of this product (1 qt. per acre) with 0.3 oz. per acre of Amplify® (Cloransulam-methyl). Use this treatment as a salvage treatment only for a Horseweed/Marestail (*Conyza canadensis*) infestation that was not controlled pre-plant. Apply between full emergence of the first trifoliate leaf and 50% flowering stage of Soybeans. At the time of treatment, Horseweed has to be 6 inches or less in height.

SUGAR BEETS WITH THE ROUNDUP READY GENE

TYPES OF APPLICATIONS: Pre-plant, Pre-emergence, At-Planting, Post-emergence.

Maximum Allowable Combined Application Quantities Per Season (Qts./Ac.)	
Pre-plant, At-planting, Pre-emergence applications	5
Emergence to 8 leaf stage	2.5
Emergence to 8 leaf stage	2
Combined total per year for all applications	**8**

USE RESTRICTIONS: The combined total application from crop emergence through harvest must not exceed 4.5 quarts per acre. The maximum rate for any single application from crop emergence until the 8 leaf stage is 1.5 quarts per acre. The maximum rate for any single application between the 8 leaf stage and canopy closure is 1 quart per acre. Allow a minimum of 30 days between last application and Sugar beets harvest.

Pre-plant, Pre-emergence, At-Planting Applications:

This product may be applied before, during or after planting of Roundup Ready Sugar beets.

Post-emergence (In-Crop) Applications:

This product may be applied on Roundup Ready Sugar beets post-emergent over-the-top from emergence to 30 days prior to harvest. To maximize yield potential, spray Sugar beets early to eliminate competing weeds. Up to 4 sequential applications of this product may be made with at least 10 days between applications. Refer to *"ANNUAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label for specified rates for specific annual weeds. This product will control or suppress most perennial weeds. For some perennial weeds, repeat applications may be required to eliminate crop competition throughout the growing season.

Non-crop Uses Around Farmstead

TYPES OF APPLICATIONS: Non-selective weed control, Trim-and-Edge, Greenhouse/Shadehouse, Chemical mowing, Cut stumps, Habitat management.

Weed Control and Trim-and-Edge Uses

This product may be used to control annual weeds, perennial weeds and woody brush which are found in any part of the farmstead, including building foundations, along and in fences, in dry ditches

and canals, along ditch banks, farm roads, and shelterbelts, prior to landscape plantings and equipment storage areas.
TANK-MIXTURES: This product may be tank-mixed with the following products. Refer to the label of these products for approved farmstead sites and application rates.
For annual weeds, use 1 quart of this product per acre when weeds are less than 6 inches tall, 48 fluid ounces (1.5 qts.) per acre when weeds are 6 to 12 inches tall and 64 fluid ounces (2 qts.) per acre when weeds are greater than 12 inches tall. For perennial weeds, apply 64 to 160 fluid ounces (2 to 5 qts.) per acre in these tank-mixes. For tank-mixtures with these products through backpack sprayers, handguns or other high-volume spray-to-wet applications, see *"HANDHELD OR HIGH VOLUME EQUIPMENT"* under the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for use instructions.

2,4-D*	Diuron*	Oryzalin	Prodiamine
Bromacil	Imazapic	Oxadiazon	Simazine*
Chlorosulfuron	Imazapyr	Pendimethalin	Sulfometuron methyl
Dicamba	Metsulfuron methyl		

* Individual tank-mix product must be registered for use on this site.
** This product plus Dicamba may not be applied by air in California.

When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

Greenhouse / Shadehouse Uses

This product may be used to control weeds in and around greenhouses and shadehouses. Desirable vegetation must not be present during application and air circulation fans must be turned off.

Chemical Mowing

This product will suppress perennial grasses listed in this section to serve as a substitute for mowing.
Use 6 fluid ounces (0.25 qt.) of this product per acre when treating Kentucky bluegrass. Use 8 fluid ounces (0.25 qt.) of this product per acre when treating Fine fescue, Orchardgrass, Bahiagrass or Quackgrass covers. Use 16 fluid ounces (0.5 qt.) of this product per acre when treating Bermudagrass. Use 64 fluid ounces (2 qts.) of this product per acre when treating Torpedograss or Paragrass.
Apply treatments in 10 to 20 gallons of spray solution per acre. Chemical mowing applications may be made along farm ditches and other parts of farmsteads.
USE PRECAUTIONS: Use only in areas where some temporary injury or discoloration of perennial grasses can be tolerated.

Cut Stumps

Use this product for treating cut stumps in any non-crop sites listed on this label.
This product will control regrowth of cut stumps and resprouts of many types of woody brush and tree species, some of which are listed below. Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut trees or resprouts close to the soil surface. Apply a 50 to 100% solution of this product to the freshly cut surface immediately after cutting. Delays in application may result in reduced performance. For best results, apply during periods of active growth and full leaf expansion.

Alder	Pepper (Brazilian)	Sweetgum
Eucalyptus	Pine (Austrian)	Tan oak
Madrone	Reed (Giant)	Willow
Oak	Saltcedar	

USE PRECAUTIONS: Do not make cut stump applications when the roots of desirable woody brush or trees may be grafted to the roots of the cut stump. Some sprouts, stems, or trees may share the same root system. Adjacent trees having a similar age, height and spacing may signal shared roots. Whether grafted or shared, injury is likely to occur to non-treated stems/trees when one or more trees sharing common roots are treated.

Habitat Management

TYPES OF USES: Habitat Restoration and Maintenance, Wildlife food plots.

Habitat Restoration and Maintenance:

This product may be used to control exotic and other undesirable vegetation in habitat management areas. Applications can be made to allow recovery of native plant species, prior to planting desirable native species, and for similar broad spectrum vegetation control requirements in habitat management areas. Spot treatments can be made to selectively remove unwanted plants for habitat maintenance and enhancement.

Wildlife Food Plots:

This product may be used as a site preparation treatment to control annual and perennial weeds prior to planting wildlife food plots. Any wildlife food species may be planted after applying this product, or native species may be allowed to repopulate the area. If tillage is needed to prepare a seedbed, wait 7 days after application before tillage.

Industrial, Turf and Ornamental Uses

See *"USE INFORMATION"*, *"MIXING ADDITIVES AND APPLICATION INSTRUCTIONS"*, and *"APPLICATION EQUIPMENT AND TECHNIQUES"* sections of this label and the following sections for specific uses and instructions.

WEEDS CONTROLLED

Always use the higher rate of this product per acre within the specified range when weed growth is heavy or dense or weeds are growing in an undisturbed (non-cultivated) area.
Reduced results may occur when treating weeds heavily covered with dust. For weeds that have been mowed, grazed or cut, allow regrowth to occur prior to treatment.
For low volume directed spray applications, use a 5 to 10% solution of this product for control or partial control of annual weeds, perennial weeds, or woody brush and trees. Spray coverage should be uniform with at least 50% of the foliage contacted. Coverage of the top one-half of the plant is important for best results. To ensure adequate spray coverage, spray both sides of large or tall woody brush and trees, when foliage is thick and dense, or where there are multiple resprouts.
Refer to the following label sections for rates to control annual and perennial weeds and woody brush and trees. For difficult to control annual or perennial weeds and woody brush and trees, where plants are growing under stressed conditions, or where infestations are dense, this product may be used at 160 to 320 fluid ounces (5 to 10 qts.) per acre for enhanced results.

Annual Weeds:

Anoda (Spurred)	Fleabane (Rough)*	Ragweed (Giant)
Barley*	Florida pusley	Red rice
Barnyardgrass*	Foxtail*	Russian thistle
Bassia (Fivehook)	Goatgrass (Jointed)*	Rye*
Bittercress*	Goosegrass	Ryegrass*
Black nightshade*	Grain sorghum (Milo)*	Sandbur (Field)*
Bluegrass (Annual)*	Groundsel (Common)*	Shattercane*
Bluegrass (Bulbous)*	Hemp sesbania	Shepherdspurse*
Brome (Downy)*	Henbit	Sicklepod
Brome (Japanese)*	Horseweed/ Marestail *(Conyza canadensis)*	Signalgrass (Broadleaf)*
Browntop panicum*	Itchgrass*	Smartweed (Ladysthumb)*
Buttercup*	Johnsongrass (Seedling)	Smartweed (Pennsylvania)*
Carolina foxtail*	JungleRice	Sowthistle (Annual)
Carolina geranium	Knotweed	Spanishneedles
Castor bean	Kochia	Speedwell (Purslane)*
Cheatgrass*	Lambsquarters*	Sprangletop*
Cheeseweed *(Malva parviflora)*	Little Barley*	Spurge (Annual)
Chervil*	London rocket*	Spurge (Prostrate)*
Chickweed*	Mayweed	Spurge (Spotted)*
Cocklebur*	Medusahead*	Spurry (Umbrella)*
Copperleaf (Hophornbeam)	Morningglory (*Ipomoea* spp.)	Starthistle (Yellow)
Corn*	Mustard (Blue)*	Stinkgrass*
Corn speedwell*	Mustard (Tansy)*	Sunflower*
Crabgrass*	Mustard (Tumble)*	Teaweed/ Prickly sida
Dwarf dandelion*	Mustard (Wild)*	Texas panicum*
Eastern mannagrass*	Oats	Velvetleaf
Eclipta*	Pigweed*	Virginia copperleaf
Fall panicum*	Plains/Tickseed coreopsis*	Virginia pepperweed*
False dandelion*	Prickly lettuce*	Wheat*
Falseflax (Smallseed)*	Puncturevine	Wild oats*
Fiddleneck	Purslane (Common)	Witchgrass*
Field pennycress*	Ragweed (Common)*	Woolly cupgrass*
Filaree		Yellow rocket
Fleabane (Annual)*		
Fleabane (Hairy) *(Conyza bonariensis)**		

(Continued)

(Cont.)

USE INSTRUCTIONS: Use 32 fl. ozs. (1 qt.) per acre if weeds are less than 6 inches in height or runner length and 48 to 128 fl. ozs. (1.5 to 4 qts.) per acre if weeds are over 6 inches in height or runner length or when weeds are growing under stressed conditions. Use the higher rate for tough-to-control species regardless of the weed size at application. Treat tough-to-control weeds early when they are relatively small. This product may be tank-mixed provided that the specific tank-mix product is registered for use on the target site. Refer to these product labels for approved sites and application rates.

For spray-to-wet applications, apply a 0.5% solution of this product to weeds less than 6 inches in height or runner length. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds. For annual weeds over 6 inches tall, or for smaller weeds growing under stressed conditions, use a 1 to 2% solution. Use the higher rate for tough-to-control species or for weeds over 24 inches tall.

* When using field broadcast equipment (aerial applications or boom sprayers using flat-fan nozzles), these species will be controlled or partially controlled using 16 fl. ozs. (0.5 qt.) of this product per acre. Applications must be made using 3 to 10 gals. of carrier volume per acre. Use nozzles that ensure thorough coverage of foliage and treat when weeds are in an early growth stage.

Perennial Weeds:

In addition to the weeds listed below, refer to *"PERENNIAL WEEDS"* under the *"WEEDS CONTROLLED AND RATES"* section of this label for list of perennial weeds this product can be used on.

Best results are obtained when perennial weeds are treated after they reach the reproductive stage of growth (seedhead initiation in grasses and bud formation in broadleaf). For non-flowering plants, best results are obtained when the plants reach a mature stage of growth. In many situations, treatments are required prior to these growth stages.

When using spray-to-wet treatments with handheld equipment, ensure thorough coverage.

For low volume directed spot treatments using handheld equipment, apply a 5 to 10% solution of this product.

Allow 7 or more days after application before tillage.

Perennial Weeds	Rate (Fl. Oz. / Ac.)	Handheld (% Solution)
Beachgrass (European) *(Ammophila arenaria)*	96 to 160 (3 to 5 qts.)	2
German ivy	64 to 128 (2 to 4 qts.)	1 to 2
Pepperweed (Perennial)	128 (4 qts.)	2

Woody Brush and Trees:

In addition to the woody brush and trees listed below, refer to *"WOODY BRUSH AND TREES"* under the *"WEEDS CONTROLLED AND RATES"* section of this label for list of woody brush and trees this product can be used on.

Apply this product after full leaf expansion, unless otherwise directed. Use the higher rate for larger plants and/or dense areas of growth. On vines, use the higher rate for plants that have reached the woody stage of growth. Best results are obtained when application is made in late Summer or Fall after fruit formation.

In arid areas, best results are obtained when applications are made in the Spring to early Summer when brush species are at high moisture content and are flowering.

Symptoms may not appear prior to frost or senescence with Fall treatments.

Allow 7 or more days after application before tillage, mowing or removal. Repeat treatments may be necessary to control plants regenerating from underground parts or seed. Some autumn colors on undesirable deciduous species are acceptable provided no major leaf drop has occurred. Reduced performance may result if Fall treatments are made following a frost.

When using spray-to-wet treatments with handheld equipment, ensure thorough coverage. For low volume directed spot treatments using handheld equipment, apply a 5 to 10% solution of this product.

Woody Brush and Trees	Broadcast Rate (Fl. Oz. / Ac.)	Handheld Spray-to-Wet (% Solution)
Deerweed	64 to 160 (2 to 5 qts.)	2
Oak (Pin)	64 to 128 (2 to 4 qts.)	1 to 1.5
Sumac (Laurel, Sugarbrush)*	64 to 128 (2 to 4 qts.)	1 to 2
Toyon*	—	2
Yerbasenta*	—	2
* Partial control		

USE INSTRUCTIONS

Unless otherwise specified, applications may be made to control any weeds listed in the *"WEEDS CONTROLLED"* section under *"INDUSTRIAL, TURF AND ORNAMENTAL USES"*. Refer also to *"SELECTIVE EQUIPMENT"* under the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label.

Cut Stumps

Cut stump treatments may be made on any sites listed on this label. This product will control many types of woody brush and tree species including those listed under the *"WEEDS CONTROLLED AND RATES"* section of this label. Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut trees or resprouts close to the soil surface. Apply a 50 to 100% solution of this product to the freshly-cut surface immediately after cutting. Delays in application may result in reduced performance. For best results, make applications during periods of active growth and full leaf expansion.

DO NOT MAKE CUT STUMP APPLICATIONS WHEN THE ROOTS OF DESIRABLE WOODY BRUSH OR TREES MAY BE GRAFTED TO THE ROOTS OF THE CUT STUMP. Some sprouts, stems, or trees may share the same root system. Adjacent trees having a similar age, height and spacing may signal shared roots. Whether grafted or shared, injury is likely to occur to non-treated stems/trees when one or more trees sharing common roots are treated.

Forestry Site Preparation

Use this product for the control or partial control of woody brush, trees and herbaceous weeds in forestry or in preparing or establishing wildlife openings within these sites and maintaining logging roads.

This product can also be used for site preparation prior to planting any tree species, including Christmas trees, Eucalyptus, hybrid tree cultivars and silvicultural nursery sites.

Refer to the *"WEEDS CONTROLLED AND RATES"* and *"WOODY BRUSH AND TREES"* sections of this label for specific application rates and instructions.

Use higher rates of this product within the specified range for control or partial control of woody brush, trees and hard-to-control perennial herbaceous weeds. For best results, apply to actively growing woody brush and trees after full leaf expansion and before Fall color and leaf drop. Increase rates within the specified range for control of perennial herbaceous weeds any time after emergence and before seedheads, flowers or berries appear.

Use the lower rates of this product within the specified range for control of annual herbaceous weeds and actively growing perennial herbaceous weeds after seedheads, flowers or berries appear. Apply to the foliage of actively growing annual herbaceous weeds any time after emergence.

This product has no herbicidal or residual activity in the soil. Where repeat applications are necessary, do not exceed 10.6 quarts of this product per acre per year.

USE RESTRICTIONS: Unless otherwise directed, do not apply this product as an over-the-top broadcast spray for forestry conifer or hardwood release.

Tank-Mixtures:

Tank-mixtures of this product may be used to increase the spectrum of vegetation controlled. When tank-mixing, read and carefully observe the label claims, precautionary statements and all information on the labels of all products used. Use according to the most restrictive precautionary statements for each product in the mixture. **Note:** Make sure the tank-mix product is approved for use prior to planting the desired species. Observe planting interval restrictions.

Any labeled specified rate of this product may be used in a tank-mix with the following products for forestry site preparation.

Imazapyr	Sulfometuron methyl
Metsulfuron methyl	Triclopyr

Conifer Release

Apply only where Conifers have been established for more than one year. Vegetation should not be disturbed prior to treatment or until visible symptoms appear after treatment. Symptoms of treatment are slow to appear, especially in woody species treated in late Fall. Injury may occur to Conifers treated for release, especially where spray patterns overlap or the higher rates are applied or when applications are made during periods of active Conifer growth. **Do not use additional surfactant with Conifer release applications.** Applications must be made after formation of final Conifer resting buds in the Fall or prior to initial bud swelling in Spring. Some autumn colors on undesirable deciduous species are acceptable provided no major leaf drop has occurred. Use the following rates for Conifer release to control or partially control the weeds listed under *"WEEDS CONTROLLED"* in the above *"INDUSTRIAL, TURF AND ORNAMENTAL USES"* section.

For release of the following Conifer species:

Douglas fir Fir	Hemlock Pine*	Spruce
*Includes all species except Eastern white pine, Loblolly pine and Slash pine.		

Apply 48 to 64 fluid ounces (1.5 to 2 qts.) of this product per acre except in Washington and Oregon, West of the crest of the Cascade Mountains. For Spring treatments West of the crest of the Cascade Mountains, apply 32 fluid ounces (1 qt.) of this product per acre before Conifer bud swell for control of annual weeds. For Fall treatments in Washington and Oregon, West of the crest of the Cascade Mountains, apply 32 to 48 fluid ounces (1 to 1.5 qts.) of this product per acre before any major leaf drop of deciduous species. For release of Western hemlock, apply 32 fluid ounces (1 qt.) of this product per acre.

For release of the following Conifer species:

Eastern white pine	Loblolly pine	Slash pine

Late season application — Apply 48 to 64 fluid ounces (1.5 to 2 qts.) of this product in a minimum of 5 gallons of spray solution per acre in early autumn. Applications made prior to September 1 or when conditions are conducive to rapid growth of Conifers will create the potential for increased injury in the form of tip and/or needle burn. Injury may decrease with later applications. Some autumn colors are acceptable at the time of applications. Apply prior to frost or leaf drop of undesirable plants. Applications made according to label directions will release Loblolly pine, Eastern white pine and Slash pine by reducing competition from the following species:

Ash Cherry (Black, Pin) Elm Hawthorn Locust (Black) Maple (Red)	Oak (Black, Post, Southern red, White) Persimmon Poplar, yellow (Tulip tree)	Sassafras Sourwood Sumac (Poison, Smooth, Winged) Sweetgum

Apply only to those sites where woody brush and trees listed in this label constitute the majority of the undesirable species.

This Product Plus Sulfometuron methyl Tank-mixtures for Conifer Release from Herbaceous Weeds:

To release Loblolly pines from herbaceous weeds, tank-mixtures of this product with Sulfometuron methyl will provide control of annual weeds listed under *"WEEDS CONTROLLED"* in the above *"INDUSTRIAL, TURF AND ORNAMENTAL USES"* section of this label and the Oust label. This tank-mixture will also provide partial control of the perennial weeds listed below.

Apply 16 to 24 fluid ounces (0.5 to 0.75 qts.) of this product with appropriate rate of Sulfometuron methyl in 10 to 30 gallons of spray solution per acre. Make application to actively growing weeds as a broadcast spray over the top of the young Loblolly pines.

This tank-mixture may be applied using aerial equipment. When applying by air, use the specified rate in 5 to 15 gallons of spray solution per acre. For control of annual weeds below 12 inches in height (or runner length on annual vines), use the lower rates of both products. Use higher specified rates of both products when annual weeds are in more advanced stages of growth and are approaching flower or seed formation. Use the higher specified rates of both products for partial control of the following perennial weeds. Use the lower specified rates for suppression of growth.

Bahiagrass Broomsedge Dock, Curly Dogfennel	Fescue, Tall Johnsongrass* Poorjoe* Trumpetcreeper**	Vaseygrass Vervain, Blue
* Control at the higher rates. ** Suppression at higher rates only.		

Pine damage may occur or can be accentuated if treatment takes place when young trees are under stress from drought, flood water, insects or disease. Read and observe the precautionary statements and all other information appearing on the labels of the herbicides used.

Note to User: This product must not be used in areas where adverse impact on federally designated endangered/threatened plant or aquatic species are likely. Prior to making applications, the user of this product must determine no such species are located in or immediately adjacent to the area to be treated.

Non-crop Areas and Industrial Sites

Use in areas including airports, apartment complexes*, Christmas tree farms, commercial sites, Conservation Reserve Program (CRP) areas, ditch banks, dry ditches, dry canals, fencerows, golf courses, greenhouses, industrial sites, landscape areas, lumber yards, manufacturing sites, municipal sites, natural areas, office complexes, ornamentals, parks, parking areas, pastures, petroleum tank farms and pumping installations, plant nurseries, public areas, railroads, rangeland, recreational areas, residential areas*, rights-of-way, roadsides, schools, sod or turf seed farms, sports complexes, storage areas, substations, Turf grass areas, utility sites, warehouse areas, and wildlife management areas.

***Intended To Be Applied By Certified/Professional Applicators.**

Weed Control, Trim-and-Edge, Bare Ground:

This product may be used in non-crop areas using any application equipment described in this label. This product may be used to trim-and-edge around objects in non-crop sites, for spot treatment of unwanted vegetation and to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to planting an area to ornamentals, flowers, Turf grass (sod or seed), or prior to laying asphalt or beginning construction projects.

Repeated applications of this product may be used, as weeds emerge, to maintain bare ground.

TANK-MIXTURES: This product may be tank-mixed with the following products provided that the specific product is registered for use on the target site. Refer to these product labels for approved sites and application rates. Read and carefully observe the precautionary statements and all other information appearing on the labels of all herbicides used. Use according to the most restrictive precautionary statements for each product in the mixture. User is responsible for ensuring that the mixture product's label allows the specific applications when tank-mixing with a single generic active ingredient listed below.

2,4-D*	Diuron*	Oryzalin	Simazine*
Atrazine*	Hexazinone	Oxadiazon	Sulfometuron methyl
Bromacil	Imazapic	Oxyfluorfen	Sulfosulfuron
Chlorsulfuron	Imazapyr	Pendimethalin	Tebuthiuron
Clopyralid	Isoxaben	Prodiamine	Triclopyr
Dicamba	Metsulfuron methyl	Sethoxydim	
* Individual tank-mix product must be registered for use on this site. ** This product plus Dicamba tank-mixed may not be applied by air in California.			

When applied as a tank-mixture for bare ground, this product provides control of the emerged annual weeds and control or partial control of emerged perennial weeds, woody brush and trees.

For control or partial control of the following perennial weeds, apply 32 to 64 fluid ounces (1 to 2 qts.) of this product plus appropriate rate of Sulfometuron methyl per acre.

Bahiagrass Bermudagrass Broomsedge Dallisgrass	Dock, Curly Dogfennel Fescue, Tall Johnsongrass	Poorjoe Quackgrass Vaseygrass Vervain, Blue

TANK-MIXTURES FOR BRUSH CONTROL: Tank-mixtures of this product may be used to increase the spectrum of control for herbaceous weeds, woody brush and trees. When tank-mixing, read and carefully observe the label claims, precautionary statements and all information on the labels of all products used. Use according to

the most restrictive precautionary statements for each product in the mixture. Any specified rate of this product may be used in a tank-mix. For control of herbaceous weeds, use this product in tank-mixture with Imazapyr, Metsulfuron methyl, Triclopyr.
Ensure that Triclopyr is thoroughly mixed with water according to label directions before adding this product. Have spray mixture agitating at the time this product is added to avoid spray compatibility problems.
Note: For side-trimming treatments, use this product alone or in a tank-mixture with Triclopyr.

Chemical Mowing – Perennials:

This product will suppress perennial grasses listed in this section to serve as a substitute for mowing. Use 8 fluid ounces (0.25 qt.) of this product per acre when treating Fine fescue, Tall fescue, Orchardgrass, Quackgrass or Reed canarygrass covers. Use 6 fluid ounces (0.18 qt.) of this product per acre when treating Kentucky bluegrass. Apply treatments in 10 to 40 gallons of spray solution per acre. Use only in areas where some temporary injury or discoloration of perennial grasses can be tolerated.

Chemical Mowing – Annuals:

For growth suppression of some annual grasses, such as Annual Ryegrass, Wild Barley and Wild oats growing in coarse turf on roadsides or other industrial areas, apply 4 to 5 fluid ounces (0.12 to 0.15 qt.) of this product in 10 to 40 gallons of spray solution per acre. Make applications when annual grasses are actively growing and before the seedheads are in the boot stage of development. Treatments may cause injury to the desired grasses.

Bromus Species and Medusahead in Pastures and Rangelands:

***Bromus* species –** This product may be used to treat Downy brome *(Bromus tectorum)*, Japanese brome *(Bromus japonicus)*, Soft chess *(Bromus mollis)* and Cheatgrass *(Bromus secalinus)* found in industrial, rangeland and pasture sites. Apply 8 to 16 fluid ounces (0.25 to 0.5 qt.) of this product per acre on a broadcast basis. For best results, coincide treatment with early seedhead emergence of the most mature plants. Delaying the application until this growth stage will maximize the emergence of other weedy grass flushes. Apply to the same site each year until seed banks are depleted and the desirable perennial grasses can become reestablished on the site.
Medusahead – To treat Medusahead, apply 16 fluid ounces (0.5 qt.) of this product per acre as soon as plants are actively growing, and prior to the 4 leaf stage. Applications may be made in the Fall or Spring. Applications to Brome and Medusahead may be made using ground or aerial equipment. Aerial applications for these uses may be made using fixed wing or helicopter equipment. For aerial applications, apply in 2 to 10 gallons of water per acre. For applications using ground equipment, apply in 10 to 20 gallons of water per acre. When applied as directed in this label, there are no grazing restrictions.

Dormant Turf Grass:

This product may be used to control or suppress many Winter annual weeds and Tall fescue for effective release of dormant Bermudagrass and Bahiagrass turf. Treat only when turf is dormant and prior to Spring greenup. Apply 8 to 64 fluid ounces (0.25 to 2 qts.) of this product per acre. Apply the labeled rates in 10 to 40 gallons of water per acre. Use only in areas where Bermudagrass or Bahiagrass are desirable ground covers and where some temporary injury or discoloration can be tolerated.
Treatments in excess of 16 fluid ounces (1 qt.) per acre may result in injury or delayed greenup in highly maintained areas, such as golf courses and lawns. DO NOT apply tank-mixtures of this product plus Sulfometuron methyl in highly maintained Turf grass areas. For further uses, refer to the *"ROADSIDES"* section of this label, which gives rates for dormant Bermudagrass and Bahiagrass treatments.

Actively Growing Bermudagrass:

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing Bermudagrass. DO NOT apply more than 16 fluid ounces (0.5 qt.) of this product per acre in highly maintained Turf grass areas. DO NOT apply tank-mixtures of this product plus Sulfometuron methyl in highly maintained Turf grass areas. For further uses, refer to the *"ROADSIDES"* section of this label, which gives rates for actively growing Bermudagrass treatments. Use only in areas where some temporary injury or discoloration can be tolerated.

Turf Grass Renovation, Seed, or Sod Production:

This product controls most existing vegetation prior to renovating Turf grass areas or establishing Turf grass grown for seed or sod. For maximum control of existing vegetation, delay planting or sodding to determine if any regrowth from escaped underground plant parts occurs. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application.
For warm-season grasses such as Bermudagrass, Summer or Fall applications provide the best control. Where existing vegetation is growing under mowed Turf grass management, apply this product after omitting at least one regular mowing to allow sufficient growth for good interception of the spray.
Desirable Turf grasses may be planted following the above procedures.
Handheld equipment may be used for spot treatment of unwanted vegetation growing in existing Turf grass. Broadcast or handheld equipment may be used to control sod remnants or other unwanted vegetation after sod is harvested.
Do not disturb soil or underground plant parts before treatment. Delay tillage or renovation techniques such as vertical mowing, coring or slicing for 7 days after application to allow translocation into underground plant parts. If application rates total 96 fluid ounces (3 qts.) per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater than 96 fluid ounces (3 qts.) per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Habitat Management

Habitat Restoration and Management:

This product may be used to control exotic and other undesirable vegetation in habitat management and natural areas, including rangeland and wildlife refuges. Applications can be made to allow recovery of native plant species, prior to planting desirable native species, and for similar broad spectrum vegetation control requirements. Spot treatments can be made to selectively remove unwanted plants for habitat management and enhancement.

Wildlife Food Plots:

This product may be used as a site preparation treatment prior to planting wildlife food plots. Any wildlife food species may be planted after applying this product, or native species may be allowed to repopulate the area. If tillage is needed to prepare a seedbed, wait 7 days after application before tillage to allow translocation into underground plant parts.

Injection and Frill (Woody Brush and Trees)

This product may be used to control woody brush and trees such as Sycamore and those listed under *"WOODY BRUSH AND TREES"* under the *"WEEDS CONTROLLED AND RATES"* section by injection or frill applications. Apply this product using suitable equipment that must penetrate into the living tissue. Apply the equivalent of 1/25 fluid ounce (1 mL) of this product per each 2 to 3 inches of trunk diameter at breast height (DBH). This is best achieved by applying a 50 to 100% concentration of this product either to a continuous frill around the tree or as cuts evenly spaced around the tree below all branches. As tree diameter increases in size, better results are achieved by applying diluted material to a continuous frill or more closely spaced cuttings. Avoid application techniques that allow runoff to occur from frilled or cut areas in species that exude sap freely. In species such as this, make the frill or cuts at an oblique angle to produce a cupping effect and use a 100% concentration of this product. For best results, apply during periods of active growth and after full leaf expansion.

Hollow Stem Injection

This product may be applied through handheld injection devices that deliver the specified amounts of this product into targeted hollow stem plants growing in any non-crop site specified on this label. For control of the following hollow stem plants, follow the use instructions below:
Japanese knotweed *(Polygonum cuspidatum)* – Inject 6 mL per stem of this product between second and third internode.
Bohemian knotweed *(Polygonum bohemicum)* – Inject 6 mL per stem of this product between second and third internode.
Giant hogweed *(Heracleum mantegazzianum)* – Inject one leaf cane per plant 12 inches above root crown with 6 mL of a 5% v/v solution of this product.
Poison hemlock *(Conium maculatum)* – Inject one leaf cane per plant 10 to 12 inches above root crown with 6 mL of a 5% v/v solution of this product.
Field horsetail *(Equisetum arvense)* – Inject one segment above the root crown with 0.6 mL per stem of this product. Use a small syringe that calibrates to this rate.
Canada thistle *(Cirsium arvense)* – Cut 8 to 9 of the tallest plants at bud stage in a clump with clippers. Use a cavity needle that is pushed

into the stem center and then slowly removed as 0.6 mL per stem of this product is injected into the stem.

Note: The combined total for all treatments must not exceed 10.6 quarts of this product per acre. At 6 mL per stem, 10.6 quarts treats about 1,600 stems per acre.

Ornamentals, Plant Nurseries, and Christmas Trees

Post-Directed, Trim-and-Edge:

This product may be used as a post-directed spray around established woody ornamental species including Arborvitae, Azalea, Boxwood, Crabapple, Douglas fir, Eucalyptus, Euonymus, Fir, Jojoba, Holly, Lilac, Magnolia, Maple, Oak, Pine, Poplar, Privet, Spruce and Yew.

This product may also be used to trim-and-edge around trees, buildings, sidewalks and roads, potted plants and other objects in a nursery setting.

Desirable plants may be protected from the spray solution by using shields or coverings made of cardboard or other impermeable material. THIS PRODUCT IS NOT FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY IN ORNAMENTALS AND CHRISTMAS TREES. Care must be exercised to avoid contact of spray, drift or mist with foliage or green bark of established ornamental species.

Site Preparation:

This product may be used prior to planting any ornamental, nursery or Christmas tree species.

Wiper Applications:

This product may be used through wick or other suitable wiper applicators to control or partially control undesirable vegetation around established Eucalyptus or Poplar trees. See the *"SELECTIVE EQUIPMENT"* under the *"APPLICATION EQUIPMENT AND TECHNIQUES"* section of this label for further information about the proper use of wiper applicators.

Greenhouse / Shadehouse Uses:

This product may be used to control weeds growing in and around greenhouses and shadehouses. Desirable vegetation must not be present during application and air circulation fans must be turned off.

Parks, Recreational and Residential Areas*

This product may be used in parks, recreational and residential areas*. It may be applied with any application equipment described in this label. This product may be used to trim-and-edge around trees, fences, and paths, around buildings, sidewalks, and other objects in these areas. This product may be used for spot treatment of unwanted vegetation. This product may be used to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to planting an area to ornamentals, flowers, Turf grass (sod or seed), or prior to laying asphalt or beginning construction projects. All of the instructions in the *"NON-CROP AREAS AND INDUSTRIAL SITES"* section apply to park and recreational areas.

***Intended To Be Applied By Certified/Professional Applicators.**

Railroads

The instructions in the *"NON-CROP AREAS AND INDUSTRIAL SITES"* section may be used on railroads.

Bare Ground, Ballast and Shoulders, Crossings, and Spot Treatment:

This product may be used to maintain bare ground on railroad ballast and shoulders. Repeat applications of this product may be used, as weeds emerge, to maintain bare ground. This product may be used to control tall-growing weeds to improve line-of-sight at railroad crossings and reduce the need for mowing along rights-of-way. For crossing applications, up to 80 gallons of spray solution per acre may be used.

TANK-MIXTURES: This product may be tank-mixed with the following products for ballast, shoulder, spot, bare ground and crossing treatments provided that the specific product is registered for use on such sites. Refer to these product labels for approved non-crop sites and application rates. Read and carefully observe the precautionary statements, restrictions and all other information appearing on the labels of all herbicides used. Use according to the most restrictive statements for each product in the mixture. User is responsible for ensuring the mixture product's label allows the specific applications when tank-mixing with a single generic active ingredient listed below:

2,4-D*	Clopyralid	Imazapyr	Sulfosulfuron
Atrazine*	Dicamba**	Metsulfuron methyl	Tebuthiuron
Bromacil	Diuron*	Simazine*	Triclopyr
Chlorsulfuron	Hexazinone	Sulfometuron methyl	

* The individual tank-mix product must be registered for use on this site.

** This product plus Dicamba tank-mixed may not be applied by air in California.

Brush Control:

This product may be used to control woody brush and trees on railroad rights-of-way. Apply 126 to 320 fluid ounces (4 to 10 qts.) of this product per acre as a broadcast spray using boom-type or boomless nozzles. Up to 80 gallons of spray solution per acre may be used. Apply a 0.75 to 2% solution of this product when using high-volume spray-to-wet applications. Apply a 5 to 10% solution of this product when using low volume directed sprays for spot treatment.

TANK-MIXTURES: This product may be mixed with the following products for enhanced control of woody brush and trees:

Chlorsulfuron	Fosamine	Metsulfuron methyl
Clopyralid	Hexazinone	Picloram
Diglycolamine	Imazapyr	Triclopry

When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

Bermudagrass Release:

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing Bermudagrass. Apply 16 to 48 fluid ounces (0.5 to 1.5 qts.) of this product in up to 80 gallons of spray solution per acre. Use the lower rate when treating annual weeds below 6 inches in height (or runner length). Use the higher rate as weeds increase in size or as they approach flower or seedhead formation. These rates will also provide partial control of the following perennial species:

Bahiagrass	Fescue (Tall)	Trumpetcreeper
Bluestem (Silver)	Johnsongrass	Vaseygrass

TANK-MIXTURES: This product may be tank-mixed with Sulfometuron methyl. If tank-mixed, use no more than 16 to 48 fluid ounces (0.5 to 1.5 qts.) of this product with an appropriate rate of Sulfometuron methyl per acre. Use the lower rates of each product to control annual weeds less than 6 inches in height (or runner length) that are listed in this label and the Sulfometuron methyl label. Use the higher rates as annual weeds increase in size and approach the flower or seedhead stages. These rates will also provide partial control of the following perennial weeds:

Bahiagrass	Broomsedge	Dogfennel	Raspberry
Blackberry	Dallisgrass	Fescue (Tall)	Trumpetcreeper
Bluestem (Silver)	Dewberry	Johnsongrass	Vaseygrass
	Dock (Curly)	Poorjoe	Vervain (Blue)

Use only on well-established Bermudagrass. Bermudagrass injury may result from the treatment, but regrowth will occur under moist conditions. Repeat applications in the same season may cause severe injury.

When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

Roadsides

The instructions in the *"NON-CROP AREAS AND INDUSTRIAL SITES"* section may apply to roadsides.

Shoulder Treatments:

This product may be used on road shoulders. It may be applied with boom sprayers, shielded boom sprayers, high-volume off-center nozzles, handheld equipment, and similar equipment.

Guardrails and Other Obstacles to Mowing:

This product may be used to control weeds growing under guardrails and around signposts and other immovable objects along the roadside.

Spot Treatment:

This product may be used as a spot treatment to control unwanted vegetation growing along roadsides.

Tank-Mixtures:

This product may be tank-mixed with other products including the following for shoulder, guardrail, spot and bare ground treatments provided that the specific product is registered for use on such sites. Refer to these product labels for approved non-crop sites and application rates. Read and carefully observe the precautionary

statement and all other information appearing on the labels of all herbicides used. Use according to the most restrictive precautionary statements for each product in the mixture. User is responsible for ensuring that the mixture product's label allows the specific applications when tank-mixing with a single generic active ingredient listed below.

2,4-D*	Diuron*	Oryzalin	Simazine*
Atrazine*	Hexazinone	Oxadiazon	Sulfometuron methyl
Bromacil	Imazapic	Pendimethalin	Sulfosulfuron
Chlorsulfuron	Isoxaben	Prodiamine	
Dicamba**	Metsulfuron methyl	Sethoxydim	

*The individual tank-mix product must be registered for use on this site.
**This product plus Dicamba tank-mixed may not be applied by air in California.

See the *"NON-CROP AREA AND INDUSTRIAL SITES"* section of this label for tank-mixing instructions.

Release of Bermudagrass or Bahiagrass:

Dormant Applications – This product may be used to control or partially control many Winter annual weeds and Tall fescue for effective release of dormant Bermudagrass or Bahiagrass. Treat only when turf is dormant and prior to Spring greenup. This product may be tank-mixed with Sulfometuron methyl for residual control. Tank-mixtures of this product with Sulfometuron methyl may delay greenup. For best results on Winter annuals, treat when plants are in an early growth stage (below 6 inches in height) after most have germinated. For best results on Tall fescue, treat when Fescue is at or beyond the 4 to 6 leaf stage.

Apply 8 to 64 fluid ounces (0.25 to 2 qts.) of this product per acre alone or in a tank-mixture with an appropriate rate of Sulfomethuron methyl. Apply the labeled rates in 10 to 40 gallons of water per acre. Use only in areas where Bermudagrass or Bahiagrass are desirable ground covers and where some temporary injury or discoloration can be tolerated. To avoid delays in greenup and minimize injury, add no more than what is needed of Sulfometuron methyl per acre on Bermudagrass and Bahiagrass and avoid treatments when these grasses are in a semi-dormant condition.

This product may also be applied at 16 to 64 fluid ounces (0.5 to 2 qts.) in tank-mixture with an appropriate rate of Sulfosulfuron herbicide per acre. Read and follow all label directions for Sulfosulfuron herbicide.

Actively Growing Bermudagrass – This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing Bermudagrass. Apply 16 to 48 fluid ounces (0.5 to 1.5 qts.) of this product in 10 to 40 gallons of spray solution per acre. Use the lower rate when treating annual weeds below 6 inches in height (or runner length). Use the higher rate as weeds increase in size or as they approach flower or seedhead formation. These rates will also provide partial control of the following perennial species:

Bahiagrass	Fescue (Tall)	Trumpetcreeper
Bluestem (Silver)	Johnsongrass	Vaseygrass

This product may be tank-mixed with Sulfometuron methyl. If tank-mixed, use no more than 16 to 32 fluid ounces (0.5 to 1 qt.) of this product with an appropriate rate of Sulfometuron methyl per acre. Use the lower rates of each product to control annual weeds less than 6 inches in height (or runner length) that are listed in this label and the Sulfometuron methyl label.

Use the higher rates as annual weeds increase in size and approach the flower or seedhead stages. These rates will also provide partial control of the following perennial weeds:

Bahiagrass	Dallisgrass	Fescue (Tall)	Trumpetcreeper
Bluestem (Silver)	Dock (Curly)	Johnsongrass	Vaseygrass
Broomsedge	Dogfennel	Poorjoe	Vervain (Blue)

Use only on well-established Bermudagrass. Bermudagrass injury may result from the treatment but regrowth will occur under moist conditions. Repeat applications of the tank-mix in the same season may cause severe injury.

When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

Actively Growing Bahiagrass – For suppression of vegetative growth and seedhead inhibition of Bahiagrass for approximately 45 days, apply 6 fluid ounces (0.18 qt.) of this product in 10 to 40 gallons of water per acre. Apply 1 to 2 weeks after full greenup or after mowing to a uniform height of 3 to 4 inches. This application must be made prior to seedhead emergence.

For suppression up to 120 days, apply 4 fluid ounces (0.12 qt.) of this product per acre, followed by an application of 2 to 4 fluid ounces (0.06 to 0.12 qt.) per acre about 45 days later. Make no more than 2 applications per year.

This product may be used for control or partial control of Johnsongrass and other weeds listed on the Sulfosulfuron label in actively growing Bahiagrass. Apply 6.25 fluid ounces (0.19 qt.) of this product plus an appropriate rate of Sulfosulfuron per acre. Use only on well-established Bahiagrass.

A tank-mixture of this product with Sulfometuron methyl may also be used. Apply 6 fluid ounces (0.18 qt.) of this product plus an appropriate rate of Sulfometuron methyl per acre 1 to 2 weeks following an initial spring mowing. Make only one application per year.

When tank-mixing, do not exceed specified application rates and use only in accordance with the most restrictive instructions on the respective product labels.

Utility Sites

Use this product along electrical power, pipeline and telephone rights-of-way, and in other sites associated with these rights-of-way, such as substations, roadsides, railroads or similar rights-of-way that run in conjunction with utilities.

This product may be used in utility sites and substations for bare ground, trim-and-edge around objects, spot treatment of unwanted vegetation and to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to planting a utility site to ornamentals, flowers, Turf grass (sod or seed), or beginning construction projects.

This product can be used in preparing or establishing wildlife openings within these sites, maintaining access roads and for side trimming along utility rights-of-way.

TANK-MIXTURES: Tank-mixtures of this product may be used to increase the spectrum of control for herbaceous weeds, woody brush and trees. This product may be tank-mixed with other products including the following provided that the specific product is registered for use on such sites. Refer to the label of these products for approved non-crop sites and application rates. Read and carefully observe the precautionary statements and all other information appearing on the labels of all herbicides used. Use according to the most restrictive precautionary statements for each product in the mixture. User is responsible for ensuring that the tank-mix product allows the specific applications when tank-mixing with a single generic active ingredient listed below.

2,4-D*	Fosamine	Pendimethalin
Atrazine*	Hexazinone	Simazine*
Bromacil	Imazapic	Sulfometuron methyl
Chlorsulfuron	Imazapyr	Sulfosulfuron
Clopyralid	Metsulfuron methyl	Triclopyr***
Dicamba**	Oryzalin	
Diuron*	Prodiamine	

* The individual tank-mixed product must be registered for use on this site.
** This product with Dicamba tank-mixed may not be applied by air in California.
*** Ensure that Triclopyr is thoroughly mixed with water according to label directions before adding this product. Have the spray mixture agitating at the time this product is added to avoid spray compatibility problems. For side trimmings, this product can be used alone or in tank-mixture with Triclopyr.

Bare Ground and Trim-and-Edge:

This product may be used in utility sites and substations for bare ground, trim-and-edge around objects, spot treatment of unwanted vegetation and to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to planting a utility site to ornamentals, flowers, Turf grass (sod or seed), or beginning construction projects. Repeated applications of this product may be used, as weeds emerge, to maintain bare ground.

TANK-MIXTURES: This product may be tank-mixed with other products including the following provided that the specific product is registered for use on such sites. Refer to the label of these products for approved non-crop sites and application rates.

Dicamba	Metsulfuron methyl	Simazine
Diuron	Oryzalin	Triclopyr
Imazapic	Oxadiazon	
Imazapyr	Prodiamine	

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Keep container closed to prevent spills and contamination. Store in original container.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for pesticide disposal or in accordance with applicable federal, state or local procedures. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed.

CONTAINER HANDLING:

Nonrefillable Container (rigid material; ≤ 5 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; > 5 gallons up to < 250 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container (≥ 250 gallons & Bulk): Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY—CONDITIONS OF SALE

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Manufacturer.

Manufacturer warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the "*DIRECTIONS FOR USE*" set forth in the complete directions for use booklet ("Directions"), subject to the risks referred to above.

To the extent consistent with applicable law, any damage arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values or any other special or indirect damages.

To the extent consistent with applicable law, Manufacturer makes no other express or implied warranty including any other express or implied warranty of FITNESS or MERCHANTABILITY.

IMITATOR and the DREXEL logo are registered trademarks of Drexel Chemical Company.
Roundup Ready is a registered trademark of Monsanto Technology LLC.

4.5"

7.75"

PROXY®

Growth Regulator

For Commercial Use on Turf including Golf, Parks, and Sports Turf.
Not For Residential Use.

ACTIVE INGREDIENT:
Ethephon [(2-chloroethyl)phosphonic acid]*..... 21.7%
OTHER INGREDIENTS:..... 78.3%
TOTAL:.....100.0%

*Contains 2 pounds ethephon per gallon.
EPA Reg. No. 101563-40 **EPA Est. No.**

KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL and TRANSPORTATION Emergencies ONLY Call
24 Hours a Day 1-800-424-9300
For PRODUCT USE Information Call 1-800-331-2867

See Booklet for Complete Precautionary Statements and Directions for Use.

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or ambulance, and then give artificial respiration preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

Victims of severe overexposure, by inhalation, should be kept under medical observation for up to 72 hours for delayed onset of pulmonary edema. In a victim of overexposure by ingestion, careful gastric lavage is required due to the possibility of stomach or esophageal perforation. This material is an acid, but the use of alkaline substances to neutralize it is contraindicated.

D00000913
61380130E 221216AV1 90393760A
Net Contents:
2.5 Gallons

Produced for:
Environmental Science U.S., LLC.
5000 CentreGreen Way, Suite 400
Cary, NC 27513

envu™

4.5"

7.75"

PRECAUTIONARY STATEMENTS

DANGER/PELIGRO

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive: Causes irreversible eye damage. Wear safety goggles when handling. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Do not inhale vapors, as this product will irritate mucous membranes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance selection chart.

Applicators and other handlers must wear long-sleeved shirts and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks, and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Users should remove clothing immediately if pesticide gets inside. Then wash body thoroughly and change into clean clothing. The contaminated clothing should be washed before reuse.

Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash the outside of gloves before removing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations. Read entire label before using this product.

PRODUCT USE

PROXY® GROWTH REGULATOR is a plant growth regulator that may be used to suppress the formation of seedheads of various plants including *Poa annua* and white clover and also to suppress the growth of certain cool season grasses. PROXY GROWTH REGULATOR is foliarly absorbed and is most effective on actively growing healthy turf. For best results, apply in sufficient volume of water to provide uniform coverage. Use of a spreader/sticker with an application of PROXY GROWTH REGULATOR is not necessary. PROXY GROWTH REGULATOR is rainfast within 2 hours. Do not allow entry into treated area until PROXY GROWTH REGULATOR has dried. For maximum performance, delay mowing until the day after application.

PRECAUTIONS AND RESTRICTIONS

Do not use this product for purposes other than those listed on the label.

Do not treat turfgrass with poor root systems or growing under stress due to poor soil conditions, drought, disease, or insect damage.

Do not use PROXY GROWTH REGULATOR in areas where excessive thatch has accumulated.

Do not contaminate water used for irrigation or domestic purposes.

Do not apply PROXY GROWTH REGULATOR through any type of irrigation system.

Avoid spray drift to nearby crops, as this product will cause modifications in plant growth. Plant injury may result.

Scalping may occur on creeping bentgrass cultivars after more than 2 applications of PROXY GROWTH REGULATOR for *Poa* seedhead suppression. PROXY GROWTH REGULATOR has been used successfully on many bentgrass cultivars. Tolerance testing must be done on new cultivars before extensive use.

Mix only the amount of spray you expect to use each day. Do not allow mixed solution to stand overnight.

Do not buffer spray solutions.

Test tank mixes with other products on a small area before using widely.

IMMEDIATELY RINSE ANY SPILLS WITH PLENTY OF WATER AS PROXY GROWTH REGULATOR IS CORROSIVE.

DO NOT MIX PROXY GROWTH REGULATOR WITH AMMONIUM THIOSULFATE. SUCH TANK MIXTURES MAY RESULT IN FORMATION OF TOXIC FUMES.

DO NOT EXCEED A MAXIMUM OF 30 OZ OF PROXY GROWTH REGULATOR PER 1,000 SQ FT PER YEAR.

EQUIPMENT CLEANING

Prolonged exposure to spray deposits will damage acrylic plastics, certain paints, and metals because of the acidic nature of this product.

Rinse thoroughly all exposed acrylic plastic materials and painted surfaces with a detergent and water within one hour after exposure to spray deposits.

TURF

Seedhead Suppression: Foliar application of PROXY GROWTH REGULATOR will provide suppression of *Poa annua* and white clover seedheads. Make the initial application prior to the emergence of new seedheads. A period of 2-3 weeks after application is required for maximum performance. Repeat applications may be made to predominately *Poa annua* or white clover sites as needed, but not less than two weeks after the previous application. Follow other precautions and restrictions on the label.

APPLICATION	SITES	RATE	SPRAY VOLUME
***Poa annua* and White Clover Seedhead Suppression:** Reapplication interval: 2 weeks or greater for all labeled grasses	Golf course turf including Greens, Tees, Fairways, and Roughs Commercial Turfgrasses including Bentgrass, Kentucky Bluegrass, Perennial Ryegrass, Tall & Fine Fescue, and Bermudagrass	5 fl oz/1,000 sq ft	1.0 - 2.0 gal/1,000 sq ft

Tank Mixture with Primo MAXX: Tank mixtures of PROXY GROWTH REGULATOR at 5 oz per 1,000 sq ft and Primo MAXX at 0.125 or 0.25 ounce per 1,000 sq ft can be used to promote seedhead suppression as well as turfgrass quality. Multiple applications of the tank mix combination may be needed. The number of applications must not exceed recommendations for rates or timings for either product applied once. Follow the recommendation on each product label for the most restrictive application interval for each turfgrass. Application of this tank mixture during frost periods may cause temporary turf discoloration.

Growth Suppression: An application of PROXY GROWTH REGULATOR slows the growth of turfgrasses, thus reducing the required frequency of mowing and the volume of clippings collected. For best turfgrass growth regulation, apply PROXY GROWTH REGULATOR when daytime air

4.5"

7.75"

temperatures are 65°F and rising. PROXY GROWTH REGULATOR must only be applied once turfgrass mowing heights have been established for the season. Avoid multiple applications of PROXY GROWTH REGULATOR in areas where excessive thatch has accumulated.

APPLICATION	SITES	RATE	SPRAY VOLUME
Turfgrass Growth Regulation Reapplication intervals: • Kentucky Bluegrass-7 weeks • Perennial Ryegrass-7 weeks • Tall/Fine Fescue-4 weeks • Bentgrass-4 weeks	Golf course turf including Greens, Tees, Fairways, and Roughs Commercial Turfgrasses including Bentgrass, Kentucky Bluegrass, Perennial Ryegrass, Tall & Fine Fescue	5 fl oz/1,000 sq ft	1.0 - 2.0 gal/1,000 sq ft

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE

Store in original container and keep tightly closed. Store in a cool dry place.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Offer for reconditioning, if appropriate. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then

offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Environmental Science U.S., LLC. All such risks shall be assumed by the user or buyer.

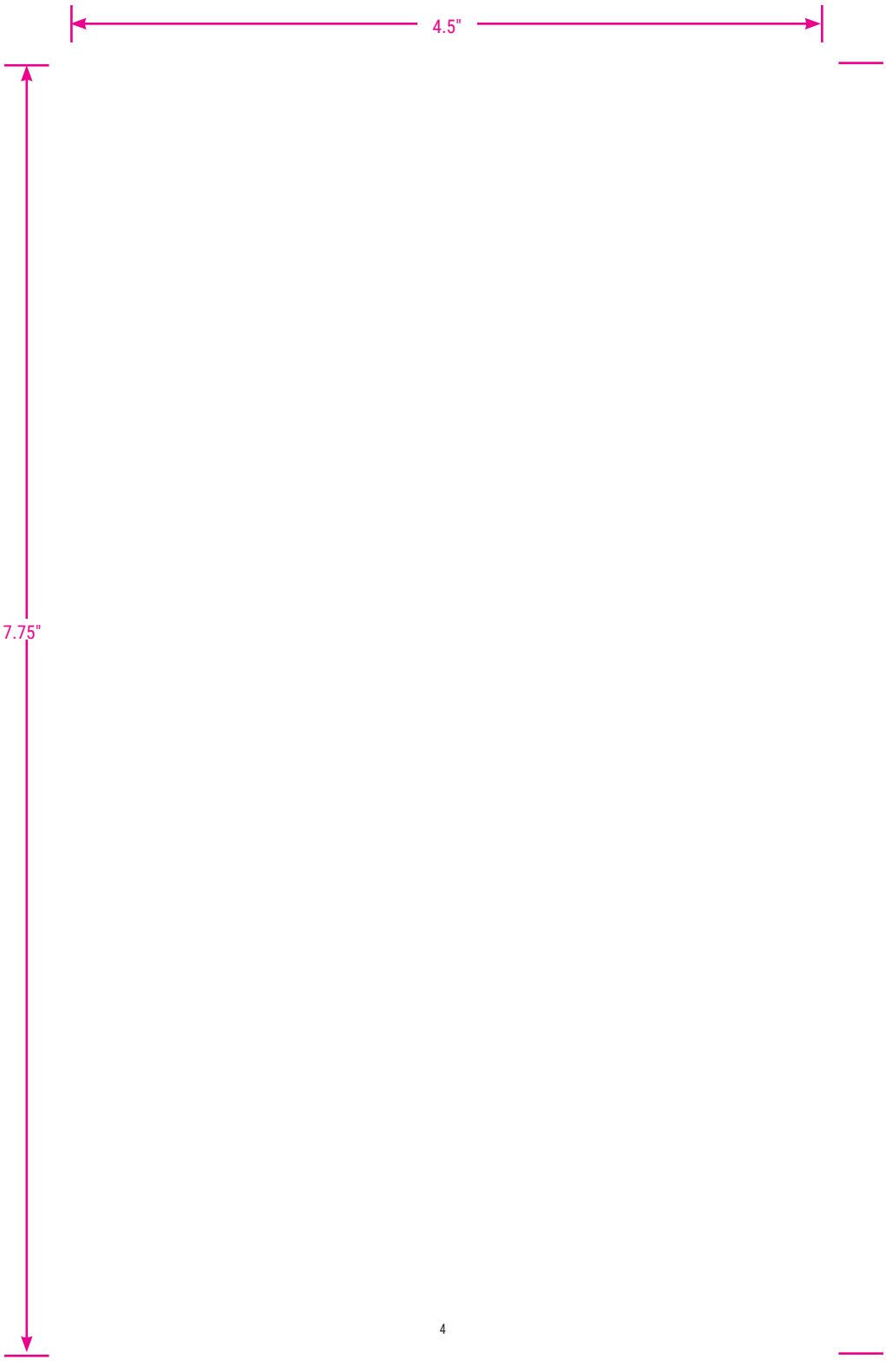
DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Environmental Science U.S., LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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Environmental Science U.S., LLC
5000 CentreGreen Way, Suite 400
Cary, NC 27513

envu


4.5"
7.75"

.875" 4.125" .50"

7.5" 7.75"

PROXY®

Growth Regulator

For Commercial Use on Turf including Golf, Parks, and Sports Turf.
Not For Residential Use.

ACTIVE INGREDIENT:

Ethephon [(2-chloroethyl)phosphonic acid]*	21.7%
OTHER INGREDIENTS:	78.3%
TOTAL:	100.0%

*Contains 2 pounds ethephon per gallon.

EPA Reg. No. 101563-40 **EPA Est. No.**

KEEP OUT OF REACH OF CHILDREN

DANGER / PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

See Booklet for Complete Precautionary Statements and Directions for Use.

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours a Day 1-800-424-9300
For PRODUCT USE Information Call 1-800-331-2867

FIRST AID

If in eyes	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or ambulance, and then give artificial respiration preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

Victims of severe overexposure, by inhalation, should be kept under medical observation for up to 72 hours for delayed onset of pulmonary edema. In a victim of overexposure by ingestion, careful gastric lavage is required due to the possibility of stomach or esophageal perforation. This material is an acid, but the use of alkaline substances to neutralize it is contraindicated.

PRECAUTIONARY STATEMENTS
DANGER/PELIGRO
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive: Causes irreversible eye damage. Wear safety goggles when handling. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Do not inhale vapors, as this product will irritate mucous membranes.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE

Store in original container and keep tightly closed. Store in a cool dry place.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Offer for reconditioning, if appropriate. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(01)00810112100076 3

D00000913
61380130E 221216AV1 90393760A

Net Contents
2.5 Gallons

envu™

PRODUCED FOR
Environmental Science U.S., LLC
5000 CentreGreen Way, Suite 400
Cary, NC 27513

PULL HERE TO OPEN

.6875" 4.5" .3125"
Book Placement
5.5"

SPECIMEN

Group	27	Herbicide

Pylex™
herbicide

For postemergence control of broadleaf and grass weeds in select turfgrass species on golf courses, sod farms and residential turfgrass

Active Ingredient:

topramezone: [3-(4,5-dihydro-isoxazolyl)-2-methyl-4-(methylsulfonyl) phenyl](5-hydroxy-1-methyl-1*H*-pyrazol-4-yl)methanone	29.7%
Other Ingredients:	70.3%
Total:	100.0%

1 gallon contains 2.8 pounds of topramezone free acid.

EPA Reg. No. 7969-327

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for **First Aid**, **Precautionary Statements**, **Directions For Use**, and **Conditions of Sale and Warranty**.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

BASF
The Chemical Company

62719-445 05/15/2006 1/28

Base Label:

(Logo) **Dow AgroSciences**

Dimension® Ultra 40WP

Specialty Herbicide

Dimension Ultra 40WP provides control of listed annual grasses and broadleaf weeds in established lawns, commercial sod farms, noncropland and industrial sites, ornamental turf (including golf course fairways, roughs, tee boxes), landscape, field grown and container ornamentals

In New York State, this product may only be used by commercial applicators at no more than 0.625 pounds per acre per year (10 ounces) or 2 water-soluble pouches per acre per year (0.25 pounds active ingredient).

Active Ingredient	
dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)- S,S-dimethyl ester	40.0%
Inert Ingredients	60.0%
Total	100.0%

Each 5 ounce water-soluble pouch contains 0.125 lb of active ingredient.
Product protected by U.S. Patent No. 4,692,184. Other patents pending

ACCEPTED

MAY 15 2006

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

62719-445

Keep Out of Reach of Children

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

Causes Eye Irritation •Harmful If Absorbed Through The Skin

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Avoid breathing dust. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE):

Applicators and other handlers (other than mixer loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Mixer and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs or aircraft in a manner that meet the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to a unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-445 EPA Est. _____

®Trademark of Dow AgroSciences LLC

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Net Weight 2.5 lb

8 x 5 oz Water-Soluble Pouches

Label Booklet:

(Logo) Dow AgroSciences

Dimension® Ultra 40WP

Specialty Herbicide

Dimension Ultra 40WP provides control of listed annual grasses and broadleaf weeds in established lawns, commercial sod farms, noncropland and industrial sites, ornamental turf (including golf course fairways, roughs, tee boxes), landscape, field grown and container ornamentals

In New York State, this product may only be used by commercial applicators at no more than 0.625 pounds per acre per year (10 ounces) or 2 water-soluble pouches per acre per year (0.25 pounds active ingredient).

Active Ingredient	
dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)- S,S-dimethyl ester	40.0%
Inert Ingredients	60.0%
Total	100.0%

Each 5 ounce water-soluble pouch contains 0.125 lb of active ingredient.
Product protected by U.S. Patent No. 4,692,184. Other patents pending

Keep Out of Reach of Children

CAUTION

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for Precautionary Statements and Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

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EPA Reg. No. 62719-445 EPA Est. _____

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Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

Net Weight 2.5 lb
8 x 5 oz Water-Soluble Pouches

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Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes Eye Irritation •Harmful If Absorbed Through The Skin

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Avoid breathing dust. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE):

Applicators and other handlers (other than mixer loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Mixer and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs or aircraft in a manner that meet the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE immediately after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. *Call a poison control center or* doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give *artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for* further treatment advice.

Hot Line Number: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment information.

Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read all Directions for Use carefully before applying.

REFORMULATION OR REPACKAGING OF THIS PRODUCT IS PROHIBITED.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements:

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE)and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Non-Agricultural Use Requirements:

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

- **Keep unprotected persons out of treated area until sprays have dried.**

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
Storage: Store this product only in its original container in a dry, cool, secured storage area. Store this product above 32°F.
Product Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.
Container Disposal: Completely empty bags into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.
Spill: In case of spill, observe all protective and safety precautions when cleaning up spills. Dispose of material according to "product disposal" directions listed above.

General Information

This product is not for application by homeowners.

Dimension* Ultra 40WP specialty herbicide provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns, commercial sod farms, noncropland and industrial sites and ornamental turf (including golf course fairways, roughs, tee boxes), landscape ornamentals, field grown and container nursery ornamentals.

Except for control of crabgrass up to initiation of tillering, this product will not control emerged weeds. This stage of crabgrass growth generally corresponds to the time when seedlings are first visible in established turfgrasses. Applications to crabgrass after initiation of tillering will not provide satisfactory control. All other applications of this product should be made preemergence (prior to germination of target weeds).

This product is not effective until activated by 1/2 inch or more of rainfall or irrigation. Applications should be timed to ensure that activation has occurred prior to tillering stage of crabgrass development or prior to germination of all other weeds.

Note: In the state of New York State this product may be applied only by commercial applicators.

Mixing Instructions

Handling of Water Soluble Pouches: The enclosed pouches are water soluble. Do not allow pouches to become wet prior to adding to the spray tank. Do not handle the pouches with wet hands or wet gloves. Always reseal over-wrap bag to protect remaining unused pouches. Do not remove water-soluble pouches from over-wrap except to add directly to the spray tank.

Mixing Instructions

Dimension Ultra 40WP Alone with Water as the Carrier:

Be sure the sprayer is clean and not contaminated with other materials prior to use. Fill the mixing tank 1/2 to 3/4 full with clean water and begin agitation. Be certain that the agitation system is working properly and creates a rolling or rippling on the liquid surface. With the agitator running, add the required number of unopened water-soluble pouches into the tank and allow time for complete mixing prior to adding any additional materials to the tank. Depending on the water temperature and degree of agitation, disintegration and complete mixing of contents of water soluble pouches should occur within ten minutes after their addition to water. Finish by adding the remainder of the required amount of water to the spray tank. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the water source.

Maintain agitation of spray mixture during mixing and application to ensure uniformity of spray mixture and prevent settling.

Dimension Ultra 40WP Alone with Fluid Fertilizer as the Carrier

First, determine the compatibility of this product with the desired fluid fertilizer by mixing small proportional quantities in advance. Follow instructions in the "Compatibility Test" section of this label. Then follow the mixing procedure listed below for tank mixtures.

Tank Mixtures

First, determine the compatibility of this product and the desired tank mixture partner product(s) in the appropriate carrier (water or fluid fertilizer) by mixing small proportional quantities in advance. See the "Physical Compatibility Test" section of this label below. Then adhere to the following mixing procedure:

Note: Dimension Ultra 40WP is compatible with boron and spray oils; however, the water soluble pouches must be completely dissolved before adding spray oils or products containing boron to spray mixtures.

Mixing Procedure:

1. Place a 20 to 35 mesh screen or wetting basket over the filling port.
2. Fill the previously cleaned sprayer half full with the appropriate carrier. Start agitation and continue agitation through mixing and spraying operations.
3. Add a compatibility agent if needed. Read and follow all of the information found on the product label for the selected compatibility agent. Check for adequate agitation.
4. Add Dimension Ultra 40WP to the tank and allow sufficient time for the water-soluble pouches to dissolve and contents to mix completely before adding other materials. Add any other wettable powder or dry flowable formulation. **When mixing this product or any other wettable powder or dry flowable product with fluid fertilizer, premix with water to form a slurry and then add slowly to the mixing tank.**
5. If a flowable pesticide formulation is used, premix with one part water, and add **slowly** to tank.
6. Add emulsifiable concentrate pesticide formulations to the tank.
7. Add water-soluble liquid pesticide formulations followed by surfactants, marker dyes or foams, or drift control additives while continuing the filling process.

Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, agitate thoroughly to re-suspend the mixture before resuming spraying.

Physical Compatibility Test

Before mixing this product with fluid fertilizers and/or other pesticides, it is recommended that the compatibility of the tank mixture be tested by mixing proportionate amounts of each component in a small glass jar according to the following instructions:

Compatibility Test Mixing Instructions

Pesticide Formulation	If Rate per Acre Is:	Amount of Pesticide added to Spray Carrier (assuming volume is 25 GPA) ADD: Level Teaspoons per Pint Jar of Carrier Solution
Dry	1 lb	1-1/2
Liquid	1 qt	1

This compatibility test is designed for 25 gallons of spray solution per acre. The table above gives general guidelines for use rate ratios of pesticides to be tank-mixed with this product. Determine the amount of pesticide to tank-mix by referring to the pesticide label(s). Then, calculate the amount of pesticide to add to jar based on use rate ratios in table. For a use rate of 1 pound per acre of dry pesticide add 1-1/2 teaspoons to the jar, and for a use rate of 1 quart per acre of liquid pesticide, add 1 teaspoon to the jar. This product should be added based on use rate ratios for liquid pesticides (for a use

rate of 1 quart per acre, add 1 teaspoon to the jar). For changes in spray volume or herbicide rate, make appropriate changes in the ingredients for the test. Shake well to mix.

If pesticide(s) does not form crystals, flakes, sludge, gels, oily films or layers, then the tested components are compatible. Incompatibility in any of the above-described forms will usually occur within 5 minutes after mixing.

If components are incompatible, the use of a compatibility agent is recommended. Repeat the above compatibility test with a suitable compatibility agent (one-half teaspoon per pint jar is equivalent to 2 pints per 100 gallons of spray solution). Do not use mixtures that show incompatible signs such as formation of crystals, flakes, sludge, gels, oil films or layers.

Weed Control in Turfgrasses

Use Precautions for Turf Use

Turfgrass Safety

This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. The grass must have developed a good root system and a uniform stand, and have received at least two mowings following seeding, sodding, or sprigging before making the first application of this product. Use of this product on turf that is not well-established, or has been weakened by weather-, pest-, disease-, chemical-, mechanical or other related stress, may result in turf injury.

This product should only be applied to turf that is composed of the following turfgrass species that have been determined to be tolerant to applications of this product. When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

Cool-Season Grasses

Common Name	Scientific Name
bentgrass, creeping[a]	*Agrostis palustris*
bluegrass, Kentucky	*Poa pratensis*
fescue, fine[b]	*Festuca rubra*
fescue, tall	*Festuca arundinacea*
ryegrass, perennial	*Lolium perenne*

Warm-Season Grasses

Common Name	Scientific Name
bahiagrass	*Paspalum notatum*
bermudagrass[c]	*Cynodon dactylon*
buffalograss[d]	*Buchloe dactyloides*
carpetgrass	*Axonopus affinis*
centipedegrass	*Eremochloa ophiuroides*
kikuyugrass	*Pennisetum clandestinum*
seashore paspalum	*Paspalum vaginatum*
St. Augustinegrass	*Stenotaphrum secundatum*
zoysiagrass	*Zoysia japonica*

a) Do not use on golf course putting greens.
b) Use of this product is not recommended on certain varieties of creeping bentgrass, such as 'Cohansey', 'Carmen', 'Seaside', and 'Washington' as undesirable turfgrass injury may result. Not all varieties of creeping bentgrass have been tested.
Do not apply this product to colonial bentgrass (*Agrostis tenuis)* varieties.
c) Use of this product on certain varieties of fine fescue is not recommended as use may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this

product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', 'Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties of fine fescue have been tested.

d) Use of this product on 'Tifgreen' (328) hybrid bermudagrass is not recommended as use may result in undesirable turfgrass injury.
e) **Do not** use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

Reseeding, Overseeding, or Sprigging

Reseeding, overseeding, or sprigging of treated areas within 10 weeks after a single application of this product, or 4 months after a split application program totaling more than 0.46 oz/1000 sq ft (1.25 lb/acre), may inhibit the establishment of desirable turfgrasses. However, overseeding of bermudagrass with perennial ryegrass 8 weeks after an application or as early as 6 weeks after application if slight injury to perennial ryegrass can be tolerated, is a recommended exception.

When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

Sod Production

- It is recommended that sod be established for at least six (6) months before a Dimension Ultra 40WP application is made.
- **Do not** apply this product within three (3) months of harvest.

Other Use Precautions

Early postemergence applications of this product will control crabgrass only if applied prior to the fifth leaf (first tiller) stage of growth of crabgrass.
For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product.

- **Do not** apply this product until the grass has recovered from these cultural practices.
- **Do not** use clippings from treated turf for mulching around vegetables or fruit trees.
- **Do not** graze livestock or feed foliage cut from areas treated with this product.

Application Directions

Application Equipment and Instructions

Apply this product through conventional liquid application equipment in a sufficient volume of carrier solution to provide a uniform spray distribution. A hand held spray gun may be used. **Do not** apply this product through liquid application equipment that uses cluster spray nozzles or other boomless spray equipment due to variability in application use rates and spray patterns. Calibrate application equipment prior to usage. Avoid streaking, skips, or excess overlaps during application. The use of marker dyes or foams aids in making more accurate applications.

Chemigation: Do not apply this product through any type of irrigation system.

Control of Crabgrass

Preemergence and Early Postemergence Control.

This product provides "preemergence" control of crabgrass (including the large, smooth, and southern species) when applied prior to the emergence of crabgrass in established lawns and ornamental turfs. It can also provide "early postemergence" control of crabgrass during the early stages of crabgrass growth

after the crabgrass has emerged . However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Early post-emergence crabgrass control will be obtained only when this product is applied prior to the tillering of crabgrass, which generally corresponds to the time when you can first easily see the crabgrass plants in the lawn or turf. So the practical benefit of this product's additional, early postemergence activity is that (compared to strictly preemergence crabgrass products) it can give the user a 2 - 8 week longer period of time (depending on climatic conditions and crabgrass growth rates) to make applications and still control crabgrass.

Application Frequency and Timing.

This product may be applied as a single application, as a split application, or as a sequential application for crabgrass control in the spring, summer, or fall.

Spring Applications

For applications made in the spring or early summer, this product should be applied at the appropriate rate corresponding to one of the three control programs listed in Table 1, depending on the user's location, the mowing height of the turfgrass, and whether the use is considered to be preemergence or early postemergence at the time of the application. The duration of residual weed control provided by this product is directly related to the total rate applied, but will vary somewhat depending on weather, weed pressure, turfgrass competitiveness, and the user's location within a region.

Use Program 1 for preemergence control at sites where turfgrass is cut relatively high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program will also provide early postemergence control of crabgrass up to the 3-leaf stage at sites where turfgrass is cut relatively high (e.g., homeowner lawns).

Use Program 2 for preemergence control at sites where (a) turfgrass is cut relatively low (e.g., golf fairways), and (b) turfgrass maintenance or weed control has been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control up to crabgrass tillering at sites where turfgrass is cut relatively high (e.g., residential lawns).

Use Program 3 for preemergence control at sites where (a) turfgrass is cut relatively low (e.g., golf fairways) and (b) turf maintenance or weed control has not been conducted during the previous year. This program provides 4-6 months of preemergence crabgrass control. This program may also be used for early postemergence control up to crabgrass tillering at sites where turfgrass is cut relatively low (e.g., golf fairways). Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired. Split applications may also be made, with the rates in Table 1 being split across two applications made 5-10 weeks apart. Such applications may provide improved weed control.

Region	Application Rates	Program 1	Program 2	Program 3
All states and parts of states not listed in transition, south, coastal south or west.	**Number of square feet per water-soluble pouch per treatment**	29,040	21,780	14,520
	Number of pouches per acre	1.5	2	3
	Pounds per acre	0.47	0.625	0.95
	Pounds ai/per acre	0.188	0.25	0.38
Transition- DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, & RI	**Number of square feet per water-soluble pouch per treatment**	21,780	14,520	10,900
	Number of pouches per treated acre	2	3	4
	Pounds per acre	0.625	0.95	1.25
	Pounds ai/per acre	0.25	0.38	0.5

South- AL, AR, GA, LA, MS, NC, NM, OK, SC, TN, & TX	**Number of square feet per water-soluble pouch per treatment**	14,520	21,780	17,424
	Number of pouches per acre	3	2 + 2[c]	2.5 + 2.5[b,c]
	Pounds per acre	0.95	0.625 + 0.625	0.78 + 0.78
	Pounds ai/per acre	0.38	0.25 + 0.25	0.31 + 0.31
Coastal South- - HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX	**Number of square feet per water-soluble pouch per treatment**	21,780	17,424	14,520
	Number of pouches per acre	2 + 2[c]	2.5 + 2.5[b,c]	3 + 3[c]
	Pounds per acre	0.625 + 0.625	0.78 + 0.78	0.95 + 0.95
	Pounds ai/per acre	0.25 + 0.25	0.31 + 0.31	0.38 + 0.38
WEST - AZ, CA, & NV. In this climatically diverse region, use the higher rates in local areas with longer crabgrass seasons.	**Number of square feet per water-soluble pouch per treatment**	29,040 - 21,780	21,780 - 14,520	21,780
	Number of pouches per acre	1.5 - 2[b]	2 - 3	2 + 2[c]
	Pounds per acre	0.47 - 0.625	0.625 - 0.95	0.625 + 0.625
	Pounds ai/per acre	0.18 - 0.25	0.25 - 0.38	0.25 + 0.25

a) In New York State, do not apply more than 2 water-soluble pouches per acre or 0.23 oz/1000 sq ft (0.625 lb/acre) per year.

b) The water-soluble bag should not be opened. The water -soluble bag is not designed to be re-measured or subdivided. Treat an appropriate number of acres to use a whole number of bags.

c) Preemergence applications totaling more than 0.5 lb ai/acre (greater than 1.25 lb/acre of Dimension Ultra 40WP) must be applied as a split application. The recommended interval for split applications is 5 to 10 weeks apart. Early postemergence applications are limited to 0.5 lb ai/acre (1.25 lb of Dimension Ultra 40WP) per application.

Maximum Use Rates (All Turf Uses)

- **Do not** apply more than 0.5 lb ai/acre per application or more than 1.5 lb ai/acre per year using split or sequential applications. This is equivalent to 4 water-soluble pouches per acre or 0.46 oz/1000 sq ft (1.25 lb/acre of product) per application, and 12 water-soluble pouches per acre or 1.38 oz/1000 sq ft (3.75 lb/acre of product) per year.
- **In New York State,** do not apply more than 0.25 lb ai per year. This is equivalent to 2 water-soluble pouches (0.625 lb/acre) per acre or 0.23 oz/1000 sq ft of Dimension Ultra 40WP.

Fall Applications

This product can also be applied in the late summer or early fall (late August through November) at the "Program 3" use rates listed in Table 1 to provide control of crabgrass through the early part of the next spring. Do not exceed maximum use rates as described above.

The Fall Application may be followed by an appropriately timed spring application to provide season-long weed control provided the maximum use rate per year is not exceeded.

Tank Mixtures for Postemergence Control of Crabgrass

Application of this product alone provides early postemergence control of crabgrass when treated prior to the tillering stage of growth. For postemergence control of tillered crabgrass up to 3 tillers, this product may be applied in tank mix combination with either MSMA or Acclaim.

If preemergence herbicides have been applied prior to a postemergence application, use the applicable Program 1 or Program 2 use rate of Dimension Ultra 40WP for your area; otherwise, apply the Program 3 use rate.

A compatibility test (see the "Physical Compatibility Test" in "Mixing Instructions" section) is recommended before tank mixing this product with fluid fertilizers and/or either MSMA or Acclaim herbicide.

Refer to the labels for MSMA or Acclaim for information on tolerance of specific turfgrass species and observe all limitations, precautionary statements, and use restrictions on the respective labels when using them in tank mixtures. The addition of a nonionic surfactant may improve control. Always read and follow the surfactant manufacturer's label recommendations.

Control of Other Grass and Broadleaf Weeds

Weeds Controlled

Used as directed, Dimension Ultra 40WP will control or suppress the following annual grass and broadleaf weeds when applied prior to their emergence.

Note: This product will not control emerged broadleaf weeds or grasses, except for crabgrass up to tillering stage of development. Therefore, the area to be treated should be free of weeds prior to application.

Numbers in parentheses (-) refer to footnotes.

Grasses

barley	*Hordeum* spp.
barnyardgrass	*Echinochloa crus-galli*
bluegrass, annual (1)	*Poa annua*
brome	*Bromus* spp.
crabgrass, large	*Digitaria sanguinalis*
crabgrass, smooth	*Digitaria ischaemum*
crabgrass, Southern	*Digitaria ciliaris*
crowfootgrass	*Dactyloctenium aegyptium*
dallisgrass (seedling)	*Paspalum dilatatum*
goosegrass	*Eleusine indica*
foxtail, giant	*Setaria faberi*
foxtail, green	*Setaria verdi*
foxtail, yellow	*Pennisetum dandestinum*
kikuyugrass	*Pennisetum clandestinum*
Mary's grass	*Microstegium vimineum*
oats, wild	*Avena fatua*
ryegrass (annual & perennial)	*Lolium* spp.
sandbur	*Cenchrus* spp.
smutgrass	*Sporobolus indicus*

(1) **For Extended Control of Annual Poa (*Poa annua*) in South and Coastal South Regions:** An initial application at 1.25 lb/acre (0.5 lb ai) is recommended 6 weeks before overseeding followed by a second application of 0.625 to 1.25 lb/acre (0.25 to 0.5 lb ai) 120 days after overseeding. Some injury to overseeded perennial ryegrass may occur (See "Reseeding, Overseeding, or Sprigging" precautions under "Use Precautions for Turf Use").

Broadleaf Weeds

bittercress	*Cardamine* spp.
carpetweed	*Mollugo verticillata*
chickweed	*Stellaria* spp.
coneflower, purple	*Rudbekia purpurea*
geranium, Carolina	*Geranium carolinianum*

henbit	*Lamium* spp.
knotweed, prostrate	*Polygonum aviculare*
lespedeza, common	*Lespedeza striata*
marestail	*Conyza canadensis*
medic, black	*Medicago lupulina*
mustard	*Brassica* spp.
oxalis, buttercup	*Oxalis pes-caprae*
pineappleweed	*Matricaria matricarioides*
pigweed, redroot	*Amaranthus retroflexus*
parsley-piert	*Alchemilla arvensis*
purslane, common	*Portulaca oleracea*
rocket, London	*Sisymbrium irio*
shepherdspurse	*Capsella bursa-pastoris*
speedwell, corn	*Veronica arvensis*
spurge, garden	*Euphorbia hirta*
spurge, prostrate	*Euphorbia humistrata*
spurge, spotted	*Euphorbia maculata*
woodsorrel, creeping	*Oxalis corniculata*
woodsorrel, yellow	*Oxalis stricta*

Use Directions for Noncropland and Industrial Sites

Dimension Ultra 40WP may be applied for preemergence control of listed annual grasses and broadleaf weeds in terrestrial noncrop areas such as farm yards, fence rows, highway or roadside utility and railroad rights-of-way, airports, recreation areas, campgrounds, and industrial sites such as lumber yards, tank farms, and storage areas. Refer to "Control of other Grasses and Broadleaf Weeds" section above for a listing of weeds controlled.

Applied preemergence, Dimension Ultra 40WP controls weeds as they germinate. This product will not control established weeds. Make applications prior to germination of target weeds or to bare ground. The best weed control is obtained when applications are made to soil that is free of clods, weeds and debris such as leaves. Prior to making an application, control existing vegetation by cultivation, hand weeding, or use of a postemergence herbicide.

To be effective, Dimension Ultra 40WP must be activated by 1/2 inch or more of rainfall or irrigation prior to germination of target weeds. Once the treatment is activated, avoid mixing of the soil surface that will expose untreated soil.

Application Rates:

Dimension Ultra 40WP		
Rate per acre	**Rate per 1000 sq ft**	**Square feet per water soluble pouch**
20 oz	0.46 oz	10,890

Sequential applications may be made at 3 to 4 month intervals for extended preemergence weed control. Do not exceed maximum use rates per year

Maximum Use Rates

- **Do not** apply more than 0.5 lb ai/acre per application or more than 1.5 lb ai/acre per year. This is equivalent to 4 water-soluble pouches per acre or 0.46 oz/1000 sq ft (1.25 lb/acre) per application, and 12 water-soluble pouches per acre or 1.375 oz/1000 sq ft (3.75 lb/acre) per year.
- **In New York State,** do not apply more than 0.25 lb ai per year. This is equivalent to 2 water-soluble pouches (0.625 lb/acre) per acre or 0.23 oz/1000 sq ft of Dimension Ultra 40WP.

Use Precautions for Noncrop Areas

- Do not apply when weather conditions favor drift to non-target areas. This product may injure foliage of non-target plants.
- Do not graze livestock or feed forage cut from areas treated with this product.
- For ornamentals within non-crop areas, apply only after transplanting when soil around roots has been thoroughly settled by rainfall or irrigation or injury may result.

Use Directions For Ornamentals

Dimension* Ultra 40WP specialty herbicide provides preemergence control of listed annual grass and broadleaf weeds in areas planted with tolerant ornamental plants listed on this label. It is intended for use on plants being grown for aesthetic purposes in landscaped areas. When applied as directed, the ornamental plants listed on this label have shown tolerance to post-directed applications of Dimension Ultra 40WP herbicide. It is impossible, however, to evaluate tolerance to this product on all ornamental plant species or varieties or under all possible growing conditions. Under your growing conditions, it is strongly recommended that a limited area involving only a few plants be treated for tolerance evaluation prior to large-scale applications.

Treatment of Turf or Ornamental Species not listed on the Label for Dimension Ultra 40WP
Although this label contains a large number of ornamental species, it is not possible to include all of the ornamental plants that may be encountered in nursery or landscape settings. Users who wish to use this product on a plant species not listed on this label may determine the suitability for such use by treating a small area or small number of plants at a recommended rate. Prior to treatment of larger areas, the treated area/plants should be observed for any sign of herbicidal injury during 30 to 60 days of typical growing conditions. **The user assumes the responsibility for any plant damage or other liability resulting from use of Dimension Ultra 40WP on species not recommended on this label.**

Chemigation: Do not apply through any type of irrigation system.

Use Rates

Make applications prior to germination of target weed species in spring, summer or fall. Sequential applications may be made at 3 to 4 month intervals to maintain weed control. Do not exceed maximum use rates per year

Apply Dimension Ultra 40WP with a calibrated sprayer that will assure accurate, uniform, spray distribution. In general, Dimension Ultra 40WP should be thoroughly mixed with clean water at 4 water-soluble pouches per acre or 0.46 oz of product /1000 square feet (1.25 lb/acre) per application and applied at 20 to 40 psi in a minimum of one gallon of water per 1000 square feet. One 5 ounce water-soluble pouch treats 10, 890 square feet. This product may be applied as a single application or as a split application prior to weed seed germination.

Application Rates:

Dimension Ultra 40WP		
Rate per acre	**Rate per 1000 sq ft**	**Square feet per water soluble pouch**
20 oz	0.46 oz	10,890

Maximum Use Rates

- **Do not** apply more than 0.5 lb ai/acre per application or more than 1.5 lb ai/acre per year using split or sequential applications. This is equivalent to 4 water-soluble pouches per acre or 0.46 oz/1000 sq ft (1.25 lb/acre) per application, and 12 water-soluble pouches per acre or 1.375 oz/1000 sq ft (3.75 lb/acre) per year.

- **In New York State,** do not apply more than 0.25 lb ai per year. This is equivalent to 2 water-soluble pouches (0.625 lb/acre) per acre or 0.23 oz/1000 sq ft of Dimension Ultra 40WP.

Application Timing and Recommendations

Apply Dimension Ultra 40WP as a post-directed or over the top spray around established ornamentals as directed on the tolerance ornamentals table. When making directed spray applications, direct spray to the soil at the base of the ornamentals avoiding contact or drift to foliage.

Dimension Ultra 40WP is a preemergence herbicide that will control germinating weeds. It will not control weeds that are established. Make applications prior to weed seed germination. The best weed control is obtained when applications are made to soil that is free of clods, weeds and debris such as leaves. Prior to making an application, existing vegetation should be controlled by hand weeding, by cultivation or with a postemergence herbicide. Once an application of this product has been made, do not disturb the soil surface as the herbicide barrier will be broken. Care must be taken that soil or planting mixes have settled firmly following transplanting and that there are no cracks that would allow direct contact of this product and plant roots.

Precautions

- Apply this product only to established ornamentals (after transplanting when soil around roots has been thoroughly settled by rainfall or irrigation).
- **Do not** apply this product to bare roots of ornamental plants as injury may result.
- **Do not** *incorporate this product into soil. Dilution of active ingredient and possible injury to plant* roots may occur.
- **Do not** apply to or around ornamental plants that have been weakened or are under stress (due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, nematodes or diseases).
- Drift or direct sprays of this product may injure foliage of non-target plants. **Do not** make applications when weather conditions favor drift to non-target areas.
- **Do not** apply this product on grasses grown for seed.
- **Do not** graze livestock or feed forage cut from areas treated with this product.
- **Do not** apply this product in enclosed structures and greenhouses.

Tolerant Ornamentals

When applied under the conditions described on this label, ornamentals listed below have shown tolerance in field trials. However, this product has not been tested on all cultivars of each species or under all possible growing conditions. Under your growing conditions, it is strongly recommended that a limited number of plants be treated for tolerance evaluation, prior to initiating large-scale applications. Follow directions given above to determine plant tolerance under your growing conditions prior to large scale use.

Common Name	Botanical Name	Tolerant Cultivars	Recommended Application Method O = Over the top, D= Directed[1]	Recommended Approved Approved Treatment Method C= Container Grown, F= Field
abelia, dwarf	*Abelia X grandiflora*	nana	D	F
abyssinian red banana	*Ensete ventricosium*	maurelii	O,D	C,F

ajuga	*Ajuga reptans* *Ajuga genevensis*	bronze bronze beauty	D	F
almond, flowering	*Prunus gladulosa*		D	F
apple †	*Malus pumila*		D	F
arborvitae	*Thuja occidentalis*	nigra pyramidalis smaragh techny woodwardii	D D D D D	F F F F F
arborvitae, golden	*Thuja orientalis*	aurea nana	O,D	C, F
aster, Chinese	*Callistephus chinensis*	dwarf queen	D	F
ash, green	*Fraxinus pennsylvanica*		D	F
ash, mountain	*Sorbus aucuparia*		D	F
ash, purple	*Fraxinus americana*		D	F
azalea	*Rhododendron* spp.	brilliant buccaneer carror chimes (belgian) elsie lee exbury fashion hardijzer beauty hershey red higasa hinocrimson holland (hybrid) marion lee northern lights orange cup orchid lights snow southern charm	D D D D D D D D D D D D D D D D D D	F F F F F F F F F F F F F F F F F F
azalea, flame	*Rhodocendron calendulaceum*		D	F
azalea, Kirishima			D	F
bamboo, heavenly			D	F
barberry	*Berberis thunbergii*	aurea dwarf pigmy green kobold pygmy red rose glow	D D D D D D	F F F F F F
barberry, purple		atropurpurea	D	F
basket flower	*Gaillardia grandiflora*		D	F

beach grass	*Ammophila breviligulata*		D	F
bearberry (common)	*Arctostaphylos uva-ursti*	Massachusetts	D	F
bee balm	*Monarda didyma*		D	F
begonia	*Begonia* spp.		D	F
birch, river	*Betula nigra*		D	F
blackeyed susan	*Rudbeckia hirta*	goldstrum	D	F
blanket flower	*Gaillardia* spp.		D	F
blueberry †	*Vaccinium* spp.	bluecrop *blue jay* jersey north blue northland	D D D D D	F F F F F
blue fescue	*Festuca ovina*		D	F
bottlebrush	*Callistemon citrinus*		D	F
boxwood, Japanese		japonica	D	F
boxwood, weller	*Buxus sempervirens*	winter gem	O,D	C,F
broom	*Cytisus* spp. *Genista pilosa*	moonlight Vancouver gold	D D	F F
bugle carpet			D	F
camellia	*Camellia japonica* *Camellia sasanqua*	debutante mathotiana supreme chansonette setsukgekka	D O,D D O,D	F C,F F C,F
candy tuft	*Iberis* spp.	Snow White	D	F
carex, variegated	*Carex*		D	F
cedar, red	*Juniperus virginiana*		D	F
celosia	*Celosia* spp.		D	F
centaura	*Centaurea montana*		D	F
cockscomb, plumosa	*Celosia cristata*	scarlet plumosa	D	F
coleus	*Coleus blumei*	red kewpie	D	F
columbine	*Aguilegia* spp.		D	F
coneflower, purple	*Echinacea purpurea*		D	F
copper leaf	*Acalypha wilkesiana*		D	F
coreopsis	*Coreopsis* spp.	moonbeam	D	F
corn flower	*Centaurea* spp.		D	F
cotoneaster	*Cotoneaster apiculatus*		D	F
coyotebrush	*Baccharis pilularis*		D	F
cycads	*Cycas revoluta*		D	F
cypress, bald	*Taxodium distichum*		D	F

cypress, Italian	*Cupressus sempervirens*	glauca	D	F
cypress, Japanese false	*Chamaecyparis obtusa*	gracilis	D	F
cypress, leyland	*Cupressocyparis leylandii*		D	F
daffodil	*Narcissus* spp.	King Alfred	D	F
daylilly	*Hemerocallis* spp.	spring glory aztec gold bright yellow (hybrid) single gold (evergreen) Wilson's yellow	OD D D D D	C,F F F F F
dianthus (sweet william)	*Dianthus barbatus*		D	F
delphinium	*Delphinium elatum*	magic fountain	D	F
dogwood	*Cornus florida*		D	F
dogwood, American	*Cornus sericea*	flavarimaea	D	F
douglas fir	*Pseudotsuga menziesii*		D	F
dusty miller	*Senecio cineraria*		D	F
elm, drake	*Ulmus parvifolia*		D	F
euryops	*Europs pectinatus*	viridis	O,D	C,F
eulaliagrass	*Miscanthus sinensis*	maiden grass, gracillimus	O,D	C,F
euonymus	*Euonymus fortunei*	argenteo-variegata auereo-marginata colorata emerald gaiety emerald 'n gold gold edge gold princess silver king tricolor vegetus	D D D D D D D D D D	F F F F F F F F F F
fan palm, European	*Chamaerops humilis*		D	F
fan palm, Mexican	*Washingtonia robusta*		D	F
fern(various)	*Asparagus* spp.		D	F
fescue	*Festuca glauca*		D	F
fetterbush	*Leucothoe fontanesiana*	rainbow	D	F
ficus	*Ficus retusa*	nitidia	D	F
fir fraser	*Abies fraseri*		D	F
forsythia	*Forsythia X intermedia* *Spring Glory*	arnold dwarf bronxensis dwarf lynwood gold meadowlark weeping	D D D D D	F
fountain grass	*Pennisetum*	rubrum	O,D	C, F

	setaceum			
fuchsia	*Fuchsia* spp.		D	F
galium	*Galium ordoratum*		D	F
garlic, variegated society	*Thulbaghia violacea*	variegata	O,D	C,F
gardenia	*Gardenia jasminoides*	white gem mystery radicans	O,D D	C,F F
geranium	*Pelargonium X hortorum*		D	F
gum	*Eucalyptus citriodora*		D	F
hawthorn	*Crataegus* spp.	cockspur white crimson cloud enchantress Jack Evans Washington white	D D D D D	F F F F F
heather, twisted	*Erica cinerea*	Mediterranean pink	D	F
hemlock, Canada	*Tsuga canadensis*		D	F
hibiscus	*Hibiscus* spp.	blue bird brilliant hula girl	D D D	F F F
holly	*Ilex* spp. *Ilex X meserveae* *Ilex X attenuata*	blue boy blue girl burfodii china girl compacta forsteri hellerie Japanese northern beauty needlepoint nellie r. stevens savanah	D D D D D D D D D D D	F F F F F F F F F F F
holly, Chinese	*Ilex cornuta*		D	F
holly, Japanese	*Ilex crenata*		O,D	C,F
holly, yaupon	*Ilex vomitoria*		D	F
honeysuckle	*Lonicera japonica*	clavey's dwarf halliana tatarian canadian white zebelli red hosta	D D D D	F F F F
hosta	*Hosta* spp. *Hosta lancifolia*	albo marginata	D D	F F
ice plant ice plant, white trailing	*Carpobrotus edulis* *Delosperma alba CT*		O,D O,D	C,F C,F
impatiens	*Impatiens* spp.			
iris	*Iris* spp.	dwarf blue wedgewood	D	F
ivy, English	*Hedera helix*	bulgaria	D	F

		thorndale	D	F
jasmine, Asian	*Trachelospermum asiaticum*		D D	F F
jasmine, star	*Trachelospermum jasminoides*		D D	F F
juniper	*Juniperus* spp.	arcadia armstrong bar harbor	O,D	C,F
	Juniperus horizontalis	blue chip blue pacific blue rug	D D D	F F F
	Juniperus horizontalis	blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes Manhattan blue *parsoni* pfitzeriana plumosa prince of wales procumbens dwarf san jose sargent blue sargent green scandia scopulorum moonglow scopulorum skyrocket spartan	D D D	F F F
	Juniperus chinensis	tamariscifolia	D D D D D D D D D D D D D D D D D D D D	F F FF F F F F F F F F F F F F F F F F F

			D D D D D D D D D D	F F F F F F F F F F
	Juniperus sabina	weberi youngstown yukon belle	D O,D	F C,F
king palm	*Archontophoenix cunninghamiana*		D D D	F F F
laurel, Australian	*Pittosporum tobira*		O,D	C,F
laurel, mountain	*Kalmia latifolia*		O,D	C,F
leucothoe	*Leucothoe fontanesiana*		D	F
ligustrum, Japanese	*Ligustrum japonicum*		D	F
lily, African	*Agapanthus africanus*	albus Peter Pan streamline	D	F
lily, African blue			D D O,D	F F C,F
lily of the valley	*Pieris japonica*	Mt. Fire	D	F
lilyturf	*Liriope muscari*	evergreen giant lilac beauty majestic monroe white silvery sunproof variegata	D	F
liriope, green	*Liriope spicata*		D D O,D D O,D D	F F C,F F C,F F
maple, amur	*Acer ginnala*	emerald elf	D	F
maple, Japanese	*Acer japonicum*		O,D	C,F
maple, Norway	*Acer platanoides*		D	F
maple, red †	*Acer rubrum*	red sunset	D	F
maple, silver	*Acer saccharinum*		O,D D	C,F F
maple sugar †	*Acer saccharum*		D	F
marigold	*Tagetes patula*	honeycomb variegata wheeler's dwarf	D	F
mock orange †	*Philadelphus spp*	golden	D	F

		snowflake double white	D D	F F
mondo grass	*Ophiopogon japonicus*		D	F
moss rose	*Portulaca grandiflora*	sunnyside	D	F
myrtle, crape	*Lagerstroemia indica*	faurei langer muskogee standard pink	D	F
myrtle, wax	*Myrica cerifer*		D D D D	F F F F
nandina	*Nandina domestica*	compacta nana	D	F
narcissus	*Narcissus Spp.*		D D	F F
oak, laurel	*Quercus laurifolia*		D	F
oak, pin	*Quercus palustris*		D	F
oak, red	*Quercus rubra*		D	F
oak, southern l	*Quercus virginiana*		D	F
oak, willow	*Quercus phellos*		D	F
oleander	*Nerium oleander*	hardy red petite pink sister agnes	D	F
osteospermum	*Osteospermum fruticosum*	wirligig	D D D	F F F
pachysandra	*Pachysandra terminalis*		D	F
palm, bangalow			D	F
pampas grass	*Cortaderia selloana*		D	F
pansy	*Viola x wittrockiana*		D	F
paper flower	*Bougainvillea glabra*	Barbara Karst James Walker	D	F
peach †	*Prunus persica*		O,D	C,F
periwinkle, dwarf	*Vinca minor*		D	F
petunia	*Petunia X hybrida*	picoti	D	F
photinia, red tip	*Photinia X fraseri*		D	F
pieris	*Pieris japonica*		D	F
pine, Afghan	*pinus eldarica*		D	F
pine, Australian	*Pinus nigra* *Pieris Taiwanensis*		O,D	C,F
pine, Japanese black	*Pinus thunbergiana*		O,D	C,F
pine, loblolly	*Pinus taeda*		D	F
pine, longleaf	*Pinus palustris*		D	F
pine, mugo	*Pinus mugho*		D	F
pine, scotch	*Pinus sylvestris*		D	F

pine, slash	*Pinus elliottii*		D	F
pine, Swiss mt.	*Pinus mugo*		D	F
pine, Virginia	*Pinus virginiana*		D	F
pine, white	*Pinus strobus*		D	F
pineapple, guava †	*Feijoa sellowiana*		O,D	C,F
plumbago, cape	*Plumbago auriculata*	Royal cape	D	F
pittosporum, Japan			O,D	C,F
potentilla	*Potentilla nepalensis* *Potentilla fruticosa*	abbotswood	D	F
privet	*Ligustrum japonicum*	golden vicary regal texanum wax yellow tipped	D D	F F
privet, glossy	*Ligustrum lucidum*		D D O,D D D	F F C,F F F
pyracantha	*Pyracantha koidzumii*	gnome lalandei victory C,F	D	F
queen palm	*Arecastrum rammanzoffianum*		D D O,D	F F
quince, Japanese †			D D	F F
rhododendron	*Rhododendron spp*	album Cunningham white fashion hardy pjm purple gem silvery pink	D	F
rhododendron, Carolina	*Rhododendron carolinianum*		D D D D D D D	F F F F F F F
rhododendron, catawba	*Rhododendron catawbiense*		D D	F F
ribbon grass	*Phalaris arundinacea*		D D	F F
rockcress	*Arabis* spp.	snowcap	D	F
rhodie max (rosebay)	*Rhododendron maximum*		D	F
rose †	*Rosa banksiae*	luta	D	F
rose, knockout	*Rosa spp. hybrid*	knockout	D	F

shrub				
rosemary †	*Rosmarinus officinalis*		O,D	C,F
rosemary, bog	*Andromeda polifolia*	nana	D	F
salvia	*Salvia farinacea*	rhea	D	F
smoketree, royal purple	*Cotinus coggyria*	royal purple	D	F
sedum	*Sedum spurium*	dragon blood red red carpet yellow	O,D	C,F
snapdragon	*Antirrhinum* spp.		D D D	F F F
sourwood	*Oxydendrum arboreum*		D	F
spiraea	*Astilbe X arendsii*	fanall	D	F
spiraea	*Spiraea* spp.	Anthony waterer red dolchica froebeli pink goldenflame red snowmound white Van Houtte white	D	F
spiraea, garland	*Spiraea* spp.		D D D D D D	F F F F F F
spruce, black hills	*Picea glauca*		D	F
spruce, Colorado blue	*Picea pungens*	glauca	D	F
spruce, Norway	*Picea abies*		O,D	C,F
spruce, white	*Picea glauca*	conica	D	F
sweetflag, grassyy-le			D	F
sweetgum	*Liquidambar styraciflua*		D	F
sycamore	*Platanus occidentalis*		D	F
tree fern (tiki fern)	*Asparagus virgatus*		D	F
trumpet flower, evening	*Gelsemium sempervirens*		D	F
tulip	*Tulip*, spp	apeldoorn	D	F
tufted hairgrass	*Deschampsia caespitosa*		D	F
verbena, shrub	*Lantana sellowiana*		D	F
vervain	*Verbena* spp.	St. Paul	D	F
viburnum	*Viburnum spp.*	*opulus 'sterile'*	D	F

		American cranberry bush arrowood common snowball European cranberry bush linden mohican Wright		
vinca (periwinkle)	*Vinca minor*		O,D D D D D D D D	C,F F F F F F F F
windmill palm	*Trachycarpus fortunei*		D	F
yarrow	*Achillea* spp.		D	F
xylosma	*Xylosma congestum*		D	F
yaupon	*Ilex vomitoria*	dwarf	D	F
yew	*Taxus cuspidata* *Taxus cuspidata* *Taxus X media*	capitata denisiformis	D	F
			O,D D D	C,F F F

[1]Directed means with the spray mixture directed to the soil around and under an ornamental plant minimizing contact with the plant's foliage.

† **Ornamental species only. DO NOT USE ON FOOD-PRODUCING TREES AND PLANTS.**

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer and Inherent Risks of Use above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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EPA accepted: __/__/__

Inventory Item Specifications

Inventory #: 883135 **7/20/2026**

Analysis: 25.105-2.1-8 **% Organic:** 98.51%

0.75Mg 2.667S

Inv #	Desc	Lbs	T/N	N/N	A/N	W/S	WIS	APA	K20
R051	Mini. SOP	314	0.000	0.000	0.000	0.000	0.000	0.000	8.000
R099	Filler	411	0.000	0.000	0.000	0.000	0.000	0.000	0.000
R143	Mini Urea	480	11.030	0.000	0.000	11.030	0.000	0.000	0.000
R346	Meth DU Mini	185	3.700	0.000	0.000	2.405	1.295	0.000	0.000
R406	Poly 43.5 M	460	10.000	0.000	0.000	10.000	0.000	0.000	0.000
R416	CG 5-28-0 Mi	150	0.375	0.000	0.375	0.000	0.000	2.100	0.000
			25.105	**0.000**	**0.375**	**23.435**	**1.295**	**2.100**	**8.000**

22-0-11

Harrell's
Growing a Better World®

POLYON FERTILIZER

Inventory #: 822149 Batch #: 2607-10115

GUARANTEED ANALYSIS

Total Nitrogen (N)*.....	**22.0%**
22.0% Urea Nitrogen	
Soluble Potash (K_2O).....	**11.0%**
Iron (Fe)	**3.0%**

Derived From: Muriate of Potash, Polymer Coated Urea, Urea, Ferric Oxide

*** 11% coated slow release Nitrogen (N) from Polymer Coated Urea**

Chlorine (Cl), Not more than.....	**8.5%**

F352 Density - 64lb./cu. ft.

FOR USE ONLY BY PROFESSIONAL APPLICATORS AND COMMERCIAL GROWERS.
NOT INTENDED FOR SALE TO, OR USE BY CONSUMERS (HOMEOWNERS)
Keep Out of Reach of Children - See back of label for use precautions, directions, and guarantor's information

Net Wt. 50 LBS. (22.7 KG)

2607-10115 080726

NOTICE: May cause stains on concrete and other hard surfaces. Sweep or blow, Do Not Wash particles that land on hard surfaces.

Non-Nutritive Metals

Information regarding the contents and levels of metals in this product is available on the internet at: http://www.aapfco.org/metals.html

Directions for Use

Apply fertilizer in accordance with best management practices established by your State University or Extension Service. Observe State or Local regulations pertaining to fertilizer content, timing of application and rates.

In MD, this product is providing nutrients as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under 8-803.7 of this article and performed no more than 3 years before the application. **In MD:** Products containing over 5% phosphorus are starter fertilizers and are limited to establishing turf in the first growing season, repairing or renovation turf. Follow **MD** recommendations for annual P limit.

In NJ, VA: Application of a product containing phosphorus to turf is limited to establishing turf in the first growing season, repairing or renovating turf, or may be applied to established turf where a soil test performed within 3 years indicates a phosphorus deficiency.

In MD, NH, NJ, VA: Application rates of soluble nitrogen are not to exceed 0.7 lb soluble N/1,000 sq.ft./application. (**In NH** - annually no more than 3.25 lbs. total N/1000 sq.ft.). (**In VA** - no more than 1.0 lb. to warm season grasses) Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area. For information on the components in this fertilizer, write to us at the address below. Include the Inventory # or Batch # printed on the product label.

In Maryland: EEF Application rate depends upon turf species, therefore the rate must be the lessor of a) 2.5 lb N/1000 sq. ft. or b) 80% of the annual total recommended by the University of Maryland. The annual nitrogen limit for enhanced efficiency fertilizer for all turf species is 2.5 lbs N/1000 sq. ft.

In New Hampshire: The maximum nitrogen application rate is 2.5 lb/1000 sq. ft. in a single application and not to exceed 3.5 lb/1000 sq. ft. annually.

Florida Specific Requirements for Fertilizer Use: For applications to Sports Turf, Golf Courses, Parks and Athletic Fields: 1.) DO NOT exceed fertilizer rates recommended in the document titled SL 191, "Recommendations for N,P,K and Mg for Golf Course and Athletic Field Fertilization Based on Mehlic III Extractant". 2.) Follow "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" published by the Florida Department of Environmental Protection. 3.) For all fertilizer uses other than as a specialty fertilizer on urban turf:
DO NOT exceed rates recommended in the document titled "Florida Friendly Best Management Practices for Protection of Water Resources by the Green Industries", published by the Florida Department of Environmental Protection.



Warning



Dust may cause Serious Eye Damage

Skin, Eye and Respiratory Tract Irritant. Harmful if swallowed.

Precautionary Statements: Wear safety glasses with side shields or goggles when handling product. Avoid breathing dust. Wash face, hands and exposed skin thoroughly after handling. Do not eat, drink or use tobacco products when using this product.

First Aid

If in Eyes: Flush with water for 15 minutes. Call a doctor for treatment advice if irritation persists.
If on Skin: Wash thoroughly with soap and water. Launder clothing before reuse.
If Inhaled: Remove affected person from source of exposure. Call 911 if breathing is difficult.
If Ingested: Do not induce vomiting. Get medical attention.
Have the product label with you when calling a doctor or going for treatment.

MANUFACTURED AND GUARANTEED BY HARRELL'S, LLC PO BOX 807 LAKELAND, FL 33802 (863) 687-2774 (800) 282-8007

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19-0-17 Micro

Tru-prill Homogeneous Fertilizer

Guaranteed Analysis

Total Nitrogen (N)…….. ……	**19.0%**	**Boron (B)……**	**0.05%**
9.9% Urea Nitrogen		**0.01% Water Soluble Boron (B)**	
5.6% Other Water Soluble Nitrogen*		**Copper (Cu)……..**	**0.05%**
3.5% Water Insoluble Nitrogen*		**0.025% Water Soluble Copper (Cu)**	
Soluble Potash (K_2O)…….…. ……..	**17.0%**	**Iron (Fe)……**	**0.36%**
Calcium (Ca)……..	**1.0 %**	**0.08% Water Soluble Iron (Fe)**	
Magnesium (Mg)...……..…..…. ……	**2.0%**	**Manganese (Mn)……..**	**0.13%**
0.03% Water Soluble Magnesium(Mg)	**1.4%**	**0.07% Water Soluble Manganese (Mn)**	
Sulfur (S)……	**5.0%**	**Zinc (Zn)……..**	**0.12%**
5.0% Combined Sulfur (S)		**0.06% Water Soluble Zinc(Zn)**	

Derived from: Methylene Urea, urea, sulfate of potash, ferrous sulphate, ferrous oxide, manganese sulfate, manganese oxide, zinc sulphate, zinc oxide copper sulphate, copper oxide, boric acid, calcium-magnesium carbonate.

**8.1% slowly available nitrogen from methylene urea

Chlorine (Cl): Not more than 2.0% F 352

DIRECTIONS FOR USE:

- **Apply only as Directed. Apply 5.0 lbs of product per 1,000 ft.^{2} (.50 lbs. actual Nitrogen). Applications should be made at minimum intervals of 4 weeks.**
- Apply 19-0-17 any time when the turf needs fertilizer. Watering in is recommended to assist in working the product into the turf.
- Allow 5-7 days before seeing a visual response from the application. Use a clean dry spreader. Do not leave unused product in a spreader.
- Store in a clean, dry location. Partially used bags should be closed by folding over the open end and securing.
- Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals, or by calling 1-866-499-0695.

Notice: This product contains the secondary nutrient iron. Iron may stain concrete surfaces and should not be applied on dry or water dampened concrete and should be removed from these areas promptly after application by sweeping or blowing. Do not wash off with water

Warning: Some crops may be injured by application of Boron.

FOR FLORIDA: We recommend that you follow the Golf Course BMP's at: http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glfbmp07.pdf

Warning
Skin, Eye, and Respiratory Tract Irritant, Harmful if swallowed.



Precautionary Statements: Wear safety glasses with side shields or goggles when handling product. Avoid breathing dust. Wash face and hands and exposed skin thoroughly after handling. Do not eat, drink or use tobacco products when using this product.

First Aid:
If in Eyes: Flush with water for 15 minutes. Call a doctor for treatment advice if irritation persists.
If on Skin: Wash thoroughly with soap and water. Launder clothing before reuse.
If Inhaled: Remove affected person from source of exposure. Call 911 if breathing is difficult.
If Ingested: Do not induce vomiting. Get medical attention. Have the product label with you when calling a doctor or going for treatment.

Manufactured by: Plant Science Inc. 2934 Vandorf, Sideroad, Gormley Ontario, LOH 1GO

Net Wt. 50 lbs (22.68 kg)

7-15-15

Harrell's
Growing a Better World®

FERTILIZER

Inventory #: 882120 Batch #: 2606-10926

GUARANTEED ANALYSIS

Total Nitrogen (N).....		**7.0%**
5.299%	**Ammoniacal Nitrogen**	
0.85%	**Other/Water-Soluble Nitrogen***	
0.256%	**Urea Nitrogen**	
0.595%	**Water Insoluble Nitrogen***	
Available Phosphate (P_2O_5).....		**15.0%**
Soluble Potash (K_2O).....		**15.0%**
Magnesium (Mg)		**5.35%**
5.35%	**Water Soluble Magnesium (Mg)**	
Sulfur (S)		**8.36%**
8.36%	**Combined Sulfur (S)**	

Derived From: Methylene DiUrea, Sulfate of Ammonia, Sulfate of Potash, Magnesium Ammonium Phosphate Hexahydrate

*** 1.44% slowly available Nitrogen (N) from Methylene DiUrea**

F352 Density - 66lb./cu. ft.

Controlled Release Information
NITROGEN
Contains 1.44 units from Methylene Diurea

FOR USE ONLY BY PROFESSIONAL APPLICATORS AND COMMERCIAL GROWERS.
NOT INTENDED FOR SALE TO, OR USE BY CONSUMERS (HOMEOWNERS)
Keep Out of Reach of Children - See back of label for use precautions, directions, and guarantor's information

Net Wt. 50 LBS. (22.7 KG)

2606-10926 150626

NOTICE: May cause stains on concrete and other hard surfaces. Sweep or blow, Do Not Wash particles that land on hard surfaces.

Non-Nutritive Metals

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Directions for Use

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In MD, NH, NJ, VA: Application rates of soluble nitrogen are not to exceed 0.7 lb soluble N/1,000 sq.ft./application. (**In NH** - annually no more than 3.25 lbs. total N/1000 sq.ft.). (**In VA** - no more than 1.0 lb. to warm season grasses) Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area. For information on the components in this fertilizer, write to us at the address below. Include the Inventory # or Batch # printed on the product label.

In Maryland: EEF Application rate depends upon turf species, therefore the rate must be the lessor of a) 2.5 lb N/1000 sq. ft. or b) 80% of the annual total recommended by the University of Maryland. The annual nitrogen limit for enhanced efficiency fertilizer for all turf species is 2.5 lbs N/1000 sq. ft.

In New Hampshire: The maximum nitrogen application rate is 2.5 lb/1000 sq. ft. in a single application and not to exceed 3.5 lb/1000 sq. ft. annually.

Florida Specific Requirements for Fertilizer Use: For applications to Sports Turf, Golf Courses, Parks and Athletic Fields: 1.) DO NOT exceed fertilizer rates recommended in the document titled SL 191, "Recommendations for N,P,K and Mg for Golf Course and Athletic Field Fertilization Based on Mehlic III Extractant". 2.) Follow "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" published by the Florida Department of Environmental Protection. 3.) For all fertilizer uses other than as a specialty fertilizer on urban turf:
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Inventory Item Specifications

Inventory #: 886103

7/20/2026

Analysis: 17-3-19 **% Organic:** 100.00%

0.43Ca 0.058Mg 13.844S 0.204Fe 0.029Mn

Inv #	Desc	Lbs	T/N	N/N	A/N	W/S	WIS	APA	K20
R014	Mic Sul Amm	558	5.859	0.000	5.859	0.000	0.000	0.000	0.000
R034	Meth DU Grns	320	6.400	0.000	0.000	4.160	2.240	0.000	0.000
R103	CAL-SUL	43	0.000	0.000	0.000	0.000	0.000	0.000	0.000
R151	Micro MAP	150	0.750	0.000	0.750	0.000	0.000	3.000	0.000
R157	SOP-52-MIC	731	0.000	0.000	0.000	0.000	0.000	0.000	19.006
R163	Micro Urea	174	4.002	0.000	0.000	4.002	0.000	0.000	0.000
R321	GG Micro Bas	24	0.000	0.000	0.000	0.000	0.000	0.000	0.000
			17.011	**0.000**	**6.609**	**8.162**	**2.240**	**3.000**	**19.006**

DITHIOPYR	GROUP	3	HERBICIDE

FERTILIZER W/Dimension 0.17%

Harrell's
Growing a Better World®

887176 **19-0-5**

TURF AND ORNAMENTAL HERBICDE

For season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in ornamental landscape areas, established lawns and ornamental turf, including golf course fairways, roughs and tee boxes.

50 pounds covers up to 19,230 sq. ft.

- Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.
- For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.

In the state of New York, the product must only be used by commercial applicators at no more than 294 lbs of Fertilizer W/Dimension® 0.17% per acre per year (0.5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 147 lb of Fertilizer W/Dimension® 0.17% per acre per year (0.25 lb dithiopyr/acre/year).

Active Ingredient:		
dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester		0.17%
Other Ingredients:	.....	99.83%
Total:	.....	**100.00%**

This product contains 0.085 pound of the active ingredient dithiopyr per 50 pound bag.

EPA Reg. No. 62719-485-52287 EPA Est. No. 52287-AL-001

GUARANTEED ANALYSIS

Total Nitrogen (N)*	.....	**19.0%**
19.0%	**Urea Nitrogen**	
Soluble Potash (K_2O)	.....	**5.0%**
Sulfur (S)	.....	**1.7%**
1.7%	**Combined Sulfur (S)**	

Derived From: Polymer Coated Urea, Sulfate of Potash, Urea

* 7.6% coated slow release Nitrogen (N) from Polymer Coated Urea

Chlorine (Cl), Not more than 0.1%

F352 Density - 70lb./cu. ft. Batch No. 2601-12123

Keep Out of Reach of Children

CAUTION

Net Wt. 50 LBS. (22.7 KG)

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes Eye Irritation • Harmful If Inhaled

Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Hot Line Number: Have the product container or label with you when calling a poison control center (1-800-222-1222) or doctor or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment or general product information.

Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

Non-target Organism Advisory: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize drift.

Groundwater Advisory: This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory: This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground. This product is classified as having a high potential for reaching surface water via runoff for several weeks after application.

Refer to back of bag for Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of Directions for Use. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
Pesticide Storage: Store this product only in its original container in a dry, cool, secured storage area.
Pesticide Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.
Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available, or dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Herbicide Resistance Management

For resistance management, this product is a Group 3 herbicide based upon the mode of action classification system of the Weed Science Society of America. Any weed population may contain or develop plants naturally resistant to this product and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay development of herbicide resistance, take one or more of the following steps.

- Alternate use of this product or other Group 3 herbicides with other products with different herbicide groups that control the same weeds.
- This product can be tank mixed or used sequentially with other approved products to broaden the spectrum of weed control, provide multiple modes of action, and control weeds that this product does not control.
- Use herbicides based on an IPM program.
- Monitor treated areas and control escaped weeds.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product and switch to another management strategy or herbicide with a different mode of action, if available.
- For more information or to report suspected resistance, contact your extension specialist or contact a customer service representative at 800-992-5994.

Use Directions for Turf

Fertilizer W/Dimension® 0.17% provides season-long control of crabgrass and control or suppression of other listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes. When used according to label directions, this product will not harm nearby established ornamentals identified as "Tolerant Ornamentals" elsewhere in this label.

Use Precautions for Turf

This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. Initial application of this product should be made only after turfgrasses have developed a vigorous root system, a uniform stand, and have received at least two mowings following seeding, sodding, or sprigging. Use of this product on turfgrasses that are not well-established, or weakened by stress from weather, pests, disease, chemical, or mechanical influences, may increase the chances of turf injury.

Precautions for Reseeding, Overseeding, or Sprigging

- Reseeding, overseeding, or sprigging of areas treated with this product within 10 weeks after a single application of this product or within 16 weeks after a split application program totaling 6.8 lb/1000 sq ft (0.5 lb active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses.
- When reseeding or overseeding, follow established cultural practices for seedbed preparation, seeding, irrigation and fertilization.
- For best overseeding results, use mechanical or power seeding equipment (slit seeders) designed to provide good contact between soil and seed.

Precautions for Control of Crabgrass

Early postemergence weed control with this product is limited to crabgrass. Postemergence application effectively controls crabgrass, but only if application is made prior to the 3-leaf stage of growth or first tiller. For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product.

Use Restrictions

- **Do not** use clippings from treated turf for mulching around vegetables or fruit trees.
- **Do not** allow people or pets to enter treated area until dust has settled.
- **Do not** graze livestock or feed forage cut from areas treated with this product.
- **Do not** apply this product until turfgrass has recovered from the mechanical injury caused by these cultural practices.

Florida Applications: Do not exceed 3 applications per year on bahiagrass in the north. Do not apply more than 294 lb (0.5 lb active ingredient) per acre (6.8 lb per 1000 sq ft) per application or more than 882 lb (1.5 lb active ingredient) per acre (20.4 lb per 1000 sq ft) per year if using split or sequential applications.

Apply this product only to turfgrass species listed on this label. The following turfgrass species are tolerant to this product when applied as directed:

Cool-Season Grasses	
bentgrass, creeping †	*Agrostis palustris*
bluegrass, Kentucky	*Poa pratensis*
fescue, fine ††	*Festuca rubra*
fescue, tall	*Festuca arundinacea*
ryegrass, perennial	*Lolium perenne*

Warm-Season Grasses	
bahiagrass	*Paspalum notatum*
bermudagrass	*Cynodon dactylon*
buffalograss †††	*Buchloe dactyloides*
carpetgrass	*Axonopus affinis*
centipedegrass	*Eremochloa ophiuroides*
kikuyugrass	*Pennisetum clandestinum*
St. Augustinegrass	*Stenotaphrum secundatum*
zoysiagrass	*Zoysia japonica*

† Use of this product on certain varieties of creeping bentgrass, such as 'cohansey', 'carmen', seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested. **Do not** apply this product to colonial bentgrass (*Agrostis tenuis*).

†† Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'banner', 'beauty', 'bilgart', 'CF-2', 'enjoy', 'HF-93', 'bighlight', 'ivalo', 'Jamestown', 'koket', 'majenta', 'mary', 'pennlawn', 'tamara', 'tatjana', 'waldorf', and 'waldina'. Not all varieties of fine fescue have been tested.

††† **Do not** use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

Note: It is not possible to evaluate all turfgrass varieties for tolerance to this product. It is suggested that the user evaluate the response of turfgrass varieties not listed on this label on a limited area, at specified use rates, prior to initiating large-scale use.

Application Directions for Turf

Apply Fertilizer W/Dimension® 0.17% with equipment that provides a uniform particle distribution. Calibrate application equipment prior to usage. Avoid streaking, skips, or excess overlaps during application.

Preemergence Application Rates, Frequency and Timing

For preemergence grass and broadleaf weed control, apply Fertilizer W/Dimension® 0.17% as single or sequential application at 147 to 294 pounds (0.25 to 0.5 lb active ingredient) per acre. Applicators may choose to make a single application or sequential applications at 147 to 294 pounds per acre at 5 to 10 week intervals based on one or more of the factors listed below. Avoid streaking, skips, or excess overlaps during application.

- Length of residual weed control desired
- Height of turf (lower cut turf may require higher use rates)
- History and success of weed control at the application site (use higher listed application rates if herbicide treatment history is unknown or weed control was poor with previous applications)
- Exposure to high temperatures and heavy rainfall or irrigation (this will shorten the residual preemergence performance)

- On turf sites adjacent to hard surfaces including driveways, sidewalks and parking lots where residual activity may be reduced
- Some target weed species (such as but not limited to *Poa annua*, goosegrass and sandbur) will require higher use rates

Tips for Improved Weed Control

- For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application.
- The turf herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.

Maximum Use Rates (Applies to all Turfgrass Uses)

- **Do not** apply more than 294 lb (0.5 lb active ingredient) per acre (6.8 lb per 1000 sq ft) per application.
- **Do not** apply more than 6 times a year and do not apply more than 882 lb (1.5 lb active ingredient) per acre (20.4 lb per 1000 sq ft) per year if using split or sequential applications.
- To minimize the potential for turfgrass injury, do not make applications within five weeks of the previous application**.**
- In the state of New York, the product must only be used by commercial applicators at no more than 294 lbs of Fertilizer W/Dimension® 0.17% per acre per year (0. 5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 147 lb of Fertilizer W/Dimension® 0.17% per acre per year (0.25 lb dithiopyr/acre/year)

Control of Crabgrass

Preemergence and Early Postemergence Applications from Late Winter through Summer

- This product provides "preemergence" control of crabgrass in established turfgrasses (including the large, smooth, and southern species) when applied prior to germination and emergence of crabgrass at use rates from 147 to 294 pounds (0.25 to 0.5 lb active ingredient) per acre.
- This product also provides "early postemergence" control of crabgrass if applied in late spring or early summer prior to the 3-leaf stage of growth or first tiller as described below. This stage of growth generally corresponds to the time when crabgrass seedlings first become visible in the established turfgrass. The practical benefit of early postemergence crabgrass control is a 2 - 4-week longer period of time (window of application) during which crabgrass control can be achieved.

Fall Applications

This product can also be applied in the late summer through early fall (late August through November) at use rates from 147 to 294 pounds per acre to provide control of crabgrass through the early part of the next spring. Fall application of this product may be followed by an appropriately timed application in the following spring for season-long control of crabgrass.

Weeds Controlled or Suppressed

Spring Applications

When applied preemergence (prior to germination) for control of crabgrass in the spring, this product will also control or suppress the following weeds.

Grasses	
barley	*Hordeum* spp.
barnyardgrass	*Echinochloa crus-galli*
bluegrass, annual	*Poa annua*
brome	*Bromus* spp.
crabgrass, large	*Digitaria sanguinalis*
crabgrass, smooth	*Digitaria ischaemum*
crabgrass, Southern	*Digitaria ciliaris*
crowfootgrass †	*Dactyloctenium aegyptium*
dallisgrass (seedling)	*Paspalum dilatatum*
goosegrass	*Eleusine indica*
foxtail, green	*Setaria verdi*
foxtail, yellow	*Setaria faberi*
kikuyugrass †	*Pennisetum clandestinum*
oats, wild	*Avena fatua*
ryegrass (annual & perennial)	*Lolium* spp.
sandbur	*Cenchrus* spp.
smutgrass	*Sporobolus indicus*

Broadleaf Weeds	
bittercress †	*Cardamine* spp.
carpetweed	*Mollugo verticillata*
chickweed †	*Stellaria* spp.
geranium, Carolina †	*Geranium carolinianum*
henbit	*Lamium* spp.
knotweed, prostrate	*Polygonum aviculare*
lespedeza, common †	*Lespedeza striata*
marestail	*Conyza canadensis*
medic, black	*Medicago lupulina*
mustard	*Brassica* spp.
oxalis, buttercup	*Oxalis pes-caprae*
pineappleweed †	*Matricaria matricarioides*
pigweed, redroot	*Amaranthus retroflexus*
parsley-piert †	*Alchemilla arvensis*
purslane, common	*Portulaca oleracea*
rocket, London	*Sisymbrium irio*
shepherdspurse	*Capsella bursa-pastoris*
speedwell, corn †	*Veronica arvensis*
spurge, garden	*Euphorbia hirta*
spurge, prostrate	*Euphorbia humistrata*
spurge, spotted	*Euphorbia maculata*
woodsorrel, creeping	*Oxalis corniculata*
woodsorrel, yellow	*Oxalis stricta*

† Suppression only

Fall Applications

When applied preemergence (prior to germination) in late summer through early fall (late August through November) this product will control or suppress the following weeds in addition to providing preemergence control of crabgrass in the following spring.

bluegrass, annual	*Poa annua*
bittercress	*Cardamine* spp.
chickweed	*Stellaria* spp.
henbit	*Lamium* spp.
geranium, Carolina	*Geranium carolinianum*
parsley-piert	*Alchemilla arvensis*
pineappleweed	*Matricaria matricarioides*
shepherdspurse	*Capsella bursa-pastoris*

Application Instructions and Equipment

This product may be applied with drop or rotary-type spreaders designed to apply granular herbicides. For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps. Avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the specified application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. More uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.

Check equipment frequently to verify calibration and proper functioning.

Use Directions for Landscape Ornamentals

Fertilizer W/Dimension® 0.17% provides preemergence control or suppression of listed annual grass and broadleaf weeds in plantings of ornamental plants listed on this label. This product may be applied in ornamental gardens, parks, golf courses and residential areas where ornamental plants are grown for aesthetic purposes. Apply this product with a properly calibrated spreader that will provide uniform particle distribution. Follow instructions in the "Application Instructions and Equipment" section above.

Use Rates

This product may be applied as a single application or split application. Split or sequential applications may be used to provide improved weed control or to provide extended weed control in areas with long growing seasons. To make a split application, divide the rate in the following table into separate applications made 5-10 weeks apart. Sequential applications may be made in the late summer following a spring application or in the spring after a fall application, provided maximum application rates per year given below are not exceeded.

Pounds of Product/Acre	Pounds of Product/1000 sq ft	Pounds of Product/100 sq ft †
294	6.8	0.68 (10.9 oz)

† Rate based on an area of 100 sq ft for treatment of small areas.

Maximum Use Rates

- **Do not** apply more than 294 lb (0.5 lb active ingredient) per acre (6.8 lb per 1000 sq ft) per application.
- **Do not** apply more than 6 times per year and **do not** apply more than 882 lb (1.5 lb active ingredient) per acre (20.4 lb per 1000 sq ft) per year if using split or sequential applications.
- **To minimize the potential for plant injury, do not make additional applications within five weeks of the previous application.**
- In the state of New York, the product must only be used by commercial applicators at no more than 294 lbs of Fertilizer W/Dimension® 0.17% per acre per year (0.5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 147 lb of Fertilizer W/Dimension® 0.17% per acre per year (0.25 lb dithiopyr/acre/year)

Application Timing and Instructions

Fertilizer W/Dimension® 0.17% is effective as a preemergence herbicide but will not control established weeds. Applications to mulched areas or bare ground must be made prior to weed seed germination. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Existing weedy vegetation may be controlled by hand weeding, cultivation or using postemergence herbicides prior to application.

Tips for Improved Weed Control

- The herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.
- Avoid disturbance of treated areas. Loss of weed control may result if the treated soil surface is disturbed by soil mixing or tillage.

Use Precautions

- To avoid foliar damage to ornamentals, irrigate immediately after application to remove any herbicide granules adhering to foliage.

Use Restrictions

- **Do not** apply this product directly to bare roots of ornamental plants as injury may result.
- **Do not** incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- **Do not** apply to soil around ornamental plants that are under stress resulting from drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides, or damage due to insects, nematodes or disease.
- **Do not** apply under conditions that would affect uniformity of application or distribution on the soil surface. Uneven product distribution will result in uneven weed control. Application under windy conditions can result in uneven distribution or cause herbicide granules to drift from the intended treatment area.
- Apply this product only to established ornamentals.
- **Do not** use on food producing trees and ornamentals.

Weeds Controlled or Suppressed

Used as directed, Fertilizer W/Dimension® 0.17% will control crabgrass and control or suppress other listed grass and broadleaf weeds when applied prior to their germination. **Refer to "Use Directions for Turf" section for a complete listing of weeds controlled or suppressed.** This product will not control established broadleaf weeds or grasses, except for crabgrass in early stages of development. The area to be treated should be free of weeds prior to application.

Tolerant Ornamentals

The ornamentals listed below have shown tolerance to this product when applied according to directions in this label. However, this product has not been tested on all ornamental species, all cultivars of species on this label, or under all possible growing conditions. For species or cultivars not listed only treat a few plants in a limited area and observe for tolerance under local growing conditions prior to large-scale use.

Common Name	Botanical Name	Tolerant Cultivars
abelia, dwarf	*Abelia X grandiflora*	nana
ajuga	*Ajuga reptans* *Ajuga genevensis*	bronze bronze beauty
almond, flowering	*Prunus gladulosa*	
apple †	*Malus pumila*	
arborvitae	*Thuja occidentalis*	nigra pyramidalis smaragh techny woodwardii
arborvitae, golden	*Thuja orientalis*	
aster, Chinese	*Callistephus chinensis*	dwarf queen
ash, green	*Fraxinus pennsylvanica*	
ash, mountain	*Sorbus aucuparia*	
ash, purple	*Fraxinus americana*	
azalea	*Rhododendron* spp.	brilliant buccaneer carror chimes (Belgian) Elsie Lee exbury fashion hardijzer beauty hershey red higasa hinocrimson Holland (hybrid) Marion Lee northern lights orange cup orchid lights snow southern charm
azalea, flame	*Rhododendron calendulaceum*	
azalea, kirishima		
bamboo, heavenly		
barberry	*Berberis thunbergii*	aurea dwarf pigmy green kobold pygmy red rose glow
barberry, purple		atropurpurea
basket flower	*Gaillardia grandiflora*	
bearberry (common)	*Arctostaphylos uva-ursi*	Massachusetts
bee balm	*Monarda didyma*	
begonia	*Begonia* spp.	
birch, river	*Betula nigra*	
blackeyed Susan	*Rudbeckia hirta*	goldstrum
blanket flower	*Gaillardia* spp.	
blueberry †	*Vaccinium* spp.	bluecrop blue jay jersey north blue northland
bottlebrush	*Callistemon citrinus*	
boxwood, Japanese		japonica
boxwood, weller	*Buxus sempervirens*	
broom	*Cytisus* spp.	moonlight
	Genista pilosa	Vancouver gold
bugle carpet		
camellia	*Camellia japonica* *Camellia sasanqua*	debutante mathotiana supreme chansonette
candy tuft	*Iberis* spp.	snow white
carex, variegated	*Carex*	
cedar, red	*Juniperus virginiana*	
celosia	*Celosia* spp.	
centaura	*Centaurea montana*	
cockscomb, plumosa	*Celosia cristata*	scarlet plumosa
coleus	*Coleus blumei*	red kewpie
columbine	*Aguilegia* spp.	
copper leaf	*Acalypha wilkesiana*	
coreopsis	*Coreopsis* spp.	moonbeam
corn flower	*Centaurea* spp.	
cotoneaster	*Cotoneaster apiculatus*	
coyotebrush	*Baccharis pilularis*	
cycads	*Cycads revoluta*	
cypress, bald	*Taxodium distichum*	
cypress, Italian	*Cupressus sempervirens*	glauca
cypress, Japanese false	*Chamaecyparis obtusa*	gracilis
cypress, leyland	*Cupressocyparis leylandii*	
daffodil	*Narcissus* spp.	King Alfred
daylilly	*Hemerocallis* spp.	aztec gold bright yellow (hybrid) single gold (evergreen) wilsonís yellow
dianthus (sweet william)	*Dianthus* spp.	
delphinium	*Delphinium* spp.	magic fountain
dogwood	*Cornus florida*	
dogwood, American	*Cornus sericea*	flavarimaea
douglas fir	*Pseudotsuga menziesii*	
dusty miller	*Senecio cineraria*	
elm, drake	*Ulmus parvifolia*	
euonymus	*Euonymus fortunei*	argenteo-variegata auereo-marginata colorata emerald gaiety emerald ën gold gold edge gold princess silver king tricolor vegetus
fan palm, European	*Chamaerops humilis*	
fan palm, Mexican	*Washingtonia robusta*	
fern (various)	*Asparagus* spp.	
fescue	*Festuca glauca*	
fetterbush	*Leucothoe fontanesiana*	rainbow
ficus	*Ficus retusa*	nitidia
fir fraser	*Abies fraseri*	
forsythia	*Forsythia X intermedia* *Spring Glory*	Arnold dwarf bronxensis dwarf lynwood gold meadowlark weeping
fuchsia	*Fuchsia* spp.	
galium	*Galium ordoratum*	
gardenia	*Gardenia jasminoides*	mystery radicans
geranium	*Pelargonium X hortorum*	
gum	*Eucalyptus citriodora*	
hawthorn	*Crataegus* spp.	cockspur white crimson cloud enchantress Jack Evans Washington white
heather, twisted	*Erica cinerea*	Mediterranean pink
hemlock, Canada	*Tsuga canadensis*	
hibiscus	*Hibiscus* spp.	blue bird brilliant hula girl
holly	*Ilex* spp. *Ilex X meserveae* *Ilex X attenuata*	blue boy blue girl burfodii China girl compacta forsteri hellerie Japanese northern beauty needlepoint Nellie R. Stevens Savannah
holly, Chinese	*Ilex cornuta*	
holly, Japanese	*Ilex crenata*	
holly, yaupon	*Ilex vomitoria*	
honeysuckle	*Lonicera japonica*	claveyís dwarf halliana tatarian Canadian white zebelli red hosta
hosta	*Hosta* spp. *Hosta lancifolia*	albo marginata
ice plant	*Carpobrotus edulis*	
impatiens	*Impatiens* spp.	
iris	*Iris* spp.	dwarf blue wedgewood
ivy, English	*Hedera helix*	Bulgaria thorndale
jasmine, Asian	*Trachelospermum asiaticum*	
juniper	*Juniperus* spp.	arcadia armstrong bar harbor

Common Name	Botanical Name	Tolerant Cultivars
	Juniperus horizontalis	blue chip blue pacific blue rug
	Juniperus horizontalis	blue star broadmoor buffalo Calgary carpet emerald sea emerald spreader endora compacta fruitlandi green gold tip hetzi hughes Manhattan blue parsoni pfitzeriana plumosa prince of Wales procumbens dwarf San Jose sargent blue sargent green scandia scopulorum moonglow scopulorum skyrocket spartan
	Juniperus chinensis	tamariscifolia
	Juniperus sabina	weberi youngstown yukon belle
king palm	*Archontophoenix cunninghamiana*	
laurel, Australian	*Pittosporum tobira*	
laurel, mountain	*Kalmia latifolia*	
leucothoe	*Leucothoe fontanesiana*	
ligustrum, Japanese	*Ligustrum japonicum*	
lily, African	*Agapanthus africanus*	albus Peter Pan
lily, African blue		
lily of the valley	*Pieris japonica*	Mt. Fire
lilyturf	*Liriope muscari*	evergreen giant lilac beauty majestic monroe white variegata
liriope, green	*Liriope spicata*	
maple, Japanese	*Acer japonicum*	
maple, Norway	*Acer platanoides*	
maple, red †	*Acer rubrum*	
maple, silver	*Acer saccharinum*	
maple sugar †	*Acer saccharum*	
marigold	*Tagetes patula*	honeycomb variegata wheelerís dwarf
mock orange †	*Philadelphus* spp.	golden snowflake double white
mondo grass	*Ophiopogon japonicus*	
moss rose	*Portulaca grandiflora*	sunnyside
myrtle, crape	*Lagerstroemia indica*	faurei langer muskogee standard pink
myrtle, wax	*Myrica cerifera*	
nandina	*Nandina domestica*	compacta nana
narcissus	*Narcissus* spp.	
oak, laurel	*Quercus laurifolia*	
oak, pin	*Quercus palustris*	
oak, red	*Quercus rubra*	
oak, southern	*Quercus virginiana*	
oak, willow	*Quercus phellos*	
oleander	*Nerium oleander*	hardy red petite pink Sister Agnes
osteospermum	*Osteospermum fruticosum*	wirligig
pachysandra	*Pachysandra terminalis*	
palm, bangalow		
pampas grass	*Cortaderia selloana*	
pansy	*Viola x wittrockiana*	
paper flower	*Bougainvillea glabra*	Barbara karst
peach †	*Prunus persica*	
periwinkle, dwarf	*Vinca minor*	
petunia	*Petunia X hybrida*	picoti
photinia, red tip	*Photinia X fraseri*	
pieris	*Pieris japonica*	
pine, Australian	Pinus nigra	
pine, Japanese black	*Pinus thunbergiana*	
pine, loblolly	*Pinus taeda*	
pine, longleaf	*Pinus palustris*	
pine, mugo	*Pinus mugho*	
pine, Scotch	*Pinus sylvestris*	
pine, slash	*Pinus elliottii*	
pine, Swiss mt.	*Pinus mugo*	
pine, Virginia	*Pinus virginiana*	
pine, white	*Pinus strobus*	
pineapple, guava †	*Feijoa sellowiana*	
pieris	*Pieris taiwanensis*	
pittosporum, Japan		
potentilla	*Potentilla nepalensis* *Potentilla fruticosa*	abbotswood
privet	*Ligustrum japonicum*	golden vicary regal texanum wax yellow tipped
privet, glossy	*Ligustrum lucidum*	
pyracantha	*Pyracantha koidzumii*	gnome lalandei victory
queen palm	*Arecastrum rammanzoffianum*	
quince, Japanese †		
rhododendron	*Rhododendron* spp.	album Cunningham white fashion hardy pjm purple gem silvery pink
rhododendron, carolina	*Rhododendron carolinianum*	
rhododendron, catawba	*Rhododendron catawbiense*	
rockcress	*Arabis* spp.	snowcap
rhodie max (rosebay)	*Rhododendron maximum*	
rose †	*Rosa banksiae*	luta
rosemary †	*Rosmarinus officinalis*	
rosemary, bog	*Andromeda polifolia*	nana
salvia	*Salvia farinacea*	rhea
sedum	*Sedum spurium*	dragon blood red red carpet yellow
snapdragon	*Antirrhinum* spp.	
sourwood	*Oxydendrum arboreum*	
spiraea	*Astilbe X arendsii*	fanall
spiraea	*Spiraea* spp.	Anthony waterer red dolchica froebeli pink goldenflame red snowmound white Van Houtte white
spiraea, garland	*Spiraea* spp.	
spruce, black hills	*Picea glauca*	
spruce, Colorado blue	*Picea pungens*	
spruce, norway	*Picea abies*	
spruce, white	*Picea glauca*	conica
sweetflag, grassy-leaved	*Acorus gramineus*	
sweetgum	*Liquidambar styraciflua*	
sycamore	*Platanus occidentalis*	
tree fern (tiki fern)	*Asparagus virgatus*	
trumpet flower, evening	*Gelsemium sempervirens*	
tulip	*Tulip*, spp.	apeldoorn
verbena, shrub	*Lantana sellowiana*	
vervain	*Verbena* spp.	St. Paul
viburnum	*Viburnum* spp.	American cranberry bush arrowwood common snowball European cranberry bush linden Mohican Wright
vinca (periwinkle)	*Vinca minor*	
windmill palm	*Trachycarpus fortunei*	
xylosma	*Xylosma congestum*	
yarrow	*Achillea* spp.	
yaupon	*Ilex vomitoria*	dwarf
yew	*Taxus cuspidata* *Taxus X media*	denisiformis

† Ornamental species only: Do not use on food producing trees and ornamentals.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the

inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. To the extent permitted by law, all such risks shall be assumed by Buyer.

Limitation of Remedies

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, tort, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent permitted by law, seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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Lakeland, FL 33802

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EPA SAL 10/27/2022
02.08.2023/62719-485-52287

DITHIOPYR	GROUP	3	HERBICIDE

FERTILIZER W/Dimension 0.125%

Harrell's
Growing a Better World®

887175

12-0-5

Turf and Ornamental Herbicide

For season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in ornamental landscape areas, established lawns and ornamental turf, including golf course fairways, roughs and tee boxes.

50 lbs Covers up to 10,869 sq ft

• Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.
• For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or parks, or on golf courses or lawns.

In the state of New York, the product must only be used by commercial applicators at no more than 400 lb of Fertilizer W/Dimension 0.125% per acre per year (0.5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 200 lb of Fertilizer W/Dimension 0.125% per acre per year (0.25 lb dithiopyr/acre/year)

Active Ingredient:		
dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester		0.125%
Other Ingredients	.....	99.875%
Total:	.....	**100.000%**

This product contains 0.0625 pound of the active ingredient dithiopyr per 50 pound bag.

EPA Reg. No. 62719-483-52287 EPA Est. No. 52287-AL-001

GUARANTEED ANALYSIS

Total Nitrogen (N)*	.....	**12.0%**
12.0%	**Urea Nitrogen**	
Soluble Potash (K_2O)	.....	**5.0%**

Derived From: Muriate of Potash, Polymer Coated Urea, Urea

* 3.6% coated slow release Nitrogen (N) from Polymer Coated Urea

Chlorine (Cl), Not more than 3.9%

F352 Density - 76lb./cu. ft. Batch No. 2304-0844

Keep Out of Reach of Children

CAUTION

Net Wt. 50 LBS. (22.7 KG)

Florida Applications: For application to sports turf (non-agricultural land planted exclusively for golf courses, parks and athletic fields), follow "SL191, 'Recommendations for N, P, K and Mg for Golf Course & Athletic Field Fertilization Base on Mehlich I Extractant'" available at http://edis.ifas.ufl.edu/SS404, or "BMP's for Enhancement of Environmental Quality on Florida's Golf Courses" available at http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/glfbmp07.pdf

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes Eye Irritation • Harmful If Inhaled

Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

First Aid

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Hot Line Number: Have the product container or label with you when calling a poison control center (1-800-222-1222) or doctor or going for treatment. You may also contact 1-800-992-5994 day or night, for emergency treatment or general product information.

Environmental Hazards

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

Non-target Organism Advisory: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize drift.

Groundwater Advisory: This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory: This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground. This product is classified as having a high potential for reaching surface water via runoff for several weeks after application.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of Directions for Use. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Restrictions:

- Do not apply more than 1.5 lb ai/A of dithiopyr per year.
- The maximum single application rate is 0.5 lb ai/A.

Storage and Disposal

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.
Pesticide Storage: Store this product only in its original container in a dry, cool, secured storage area.
Pesticide Disposal: Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.
Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment, then offer for recycling if available, or dispose of empty bag in a sanitary landfill, or by incineration, or other procedures allowed by state and local authorities.

WEED RESISTANCE MANAGEMENT

Fertilizer W/ Dimension 0.125%, which contains the active ingredient dithiopyr is a Group 3 herbicide based on the mode of action classification system of the Weed Science Society of America.

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is a best practice. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistance.

The continued effectiveness of this product depends on the successful implementation of a weed resistance management program.

To aid in the prevention of developing weeds resistant to this product, users should:

- Scout fields before application to ensure herbicides and rates will be appropriate for the weed species and weed sizes present.
- Start with a clean field, using either a burndown herbicide application or tillage.
- If using post-emergence herbicides or tank mixes, control weeds early when they are relatively small.
- Apply full rates of Fertilizer W/ Dimension 0.125% for the most difficult to control weed in the field at the specified time to minimize weed escapes.
- Scout fields after application to detect weed escapes or shifts in control of weed species.
- Control weed escapes before they reproduce by seed or proliferate vegetatively.
- Report any incidence of non-performance of this product against a particular weed to your local company representative, local retailer, or county extension agent.
- Contact your local company representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective modes of action for each target weed.
- If resistance is suspected, treat weed escapes with an herbicide having a mode of action other than Group 3 and/or use nonchemical methods to remove escapes, as practical, with the goal of preventing further seed production.
- Suspected herbicide-resistant weeds may be identified by these indicators:
  - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
  - A spreading patch of non-controlled plants of a particular weed species; and
  - Surviving plants mixed with controlled individuals of the same species.

Additionally, users should follow as many of the following herbicide resistance management practices as is practical:

- Use a broad spectrum herbicide with other mode of action as a foundation in a weed control program, if appropriate.
- Utilize sequential applications of herbicides with alternative modes of action.
- Rotate the use of this product with non-Group 3 herbicides.
- Avoid making more than two sequential applications of Fertilizer W/ Dimension 0.125% and any other Group 3 herbicides within a single growing season unless mixed with an herbicide with a different mode of action with an overlapping spectrum for the difficult-to-control weeds.
- Incorporate non-chemical weed control practices, such as mechanical cultivation, crop rotation, cover crops and weed-free crop seeds, as part of an integrated weed control program.
- Use good agronomic principles that enhance crop development and crop competitiveness.
- Thoroughly clean plant residues from equipment before leaving fields suspected to contain resistant weeds.
- Manage weeds in and around fields to reduce weed seed production.

Use Directions for Turf

Fertilizer w/Dimension® 0.125% provides season-long control of crabgrass and control or suppression of other listed annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes. When used according to label directions, this product will not harm nearby established ornamentals identified as "Tolerant Ornamentals" elsewhere in this label.

Use Precautions for Turf

This product may be used on seeded, sodded, or sprigged lawns and ornamental turfs that are well-established. Initial application of this product should be made only after turfgrasses have developed a vigorous root system, a uniform stand, and have received at least two mowings following seeding, sodding, or sprigging. Use of this product on turfgrasses that are not well-established, or weakened by stress from weather, pests, disease, chemical, or mechanical influences, may increase the chances of turf injury. Sweep any product that lands on the driveway, sidewalk, or street back onto lawn and garden.

Precautions for Reseeding, Overseeding, or Sprigging

- Reseeding, overseeding, or sprigging of areas treated with this product within 10 weeks after a single application of this product or within 16 weeks after a split application program totaling 9.2 lb/1000 sq ft (0.5 lb active ingredient per acre) or more may inhibit the establishment of desirable turfgrasses.
- When reseeding or overseeding, follow established cultural practices for seedbed preparation, seeding, irrigation and fertilization.
- For best overseeding results, use mechanical or power seeding equipment (slit seeders) designed to provide good contact between soil and seed.

Precautions for Control of Crabgrass
Early postemergence weed control with this product is limited to crabgrass. Postemergence application effectively controls crabgrass, but only if application is made prior to the 3-leaf stage of growth or first tiller. For best results, cultural practices that disturb the soil, such as core-, spike-, or hydro-aerification, and verticutting, should be done before application of this product.

Use Restrictions

- **Do not** use clippings from treated turf for mulching around vegetables or fruit trees.
- **Do not** allow people or pets to enter treated area until dust has settled.
- **Do not** graze livestock or feed forage cut from areas treated with this product.
- **Do not** apply this product until turfgrass has recovered from the mechanical injury caused by these cultural practices.

Florida Applications: Do not exceed 3 applications per year on bahiagrass in the north. Do not apply more than 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application or more than 1200 lb (1.5 lb active ingredient) per acre (27.6 lb per 1000 sq ft) per year if using split or sequential applications.

For Fertilizer Mixtures Containing Nitrogen: It is a violation of law in **MD, NH, NJ, PA, VA** to apply this product to turf at a rate that results in greater than 0.7 lb per 1,000 sq.ft. of readily available nitrogen, or more than 0.9 lb per 1,000 sq.ft. of total nitrogen, with at least 20% of which shall consist of slow release nitrogen, per application. Additional restrictions apply to total nitrogen applied to turf per season.]

MD: Enhanced-efficiency fertilizers may not result in 1) an annual application of more than 2.5 pounds per 1,000 sq ft of total Nitrogen, 2) result in an application of more than 80% of the annual recommended rate for total Nitrogen established by the University of Maryland; or 3) have a release rate of more than 0.7 pounds per 1,000 square feet of total Nitrogen per month.
It is a violation of law in **NH** to apply this product to turf at a rate that results in greater than 0.7 lb per 1,000 sq. ft. of soluble nitrogen per application or more than 0.9 lb per 1,000 sq. ft. of total nitrogen per application and an annual rate that results in greater than 3.25 lb per 1000 sq. ft. of total nitrogen per year when applied according to the instructions on the label.

In **MD** for levels of phosphorus above 5%: This fertilizer contains phosphorus and may not be used on turf in the state of Maryland except when (1) providing nutrients to specific soils and target vegetation as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under §8-803.7 of the Agriculture Article, Annotated Code of Maryland, performed no more than 3 years before the application; (2) establishing vegetation for the first time, such as after land disturbance, provided the application is conducted in accordance with the recommended application rates established by the State; or (3) reestablishing or repairing a turf area. Not for use on established lawns or grass in Maryland.

For all %'s of phosphorus-containing fertilizers in **MI, NJ, PA, VA**: This lawn/turf fertilizer contains phosphorous and is only for nonagricultural use on (i) turf during its first growing season, (ii) on turf areas being repaired or renovated, and (iii) on turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not for the routine maintenance of turf.

Do not apply near water storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn, and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn and garden.

Apply this product only to turfgrass species listed on this label. The following turfgrass species are tolerant to this product when applied as directed:

Cool-Season Grasses	
Bentgrass, creeping †	*Agrostis palustris*
Bluegrass, Kentucky	*Poa pratensis*
Fescue, fine ††	*Festuca rubra*
Fescue, tall	*Festuca arundinacea*
Ryegrass, perennial	*Lolium perenne*
Warm-Season Grasses	
Bahiagrass	*Paspalum notatum*
Bermudagrass	*Cynodon dactylon*
Buffalograss †††	*Buchloe dactyloides*
Carpetgrass	*Axonopus affinis*
Centipedegrass	*Eremochloa ophiuroides*
Kikuyugrass	*Pennisetum clandestinum*
St. Augustinegrass	*Stenotaphrum secundatum*
Zoysiagrass	*Zoysia japonica*

† Use of this product on certain varieties of creeping bentgrass, such as 'Cohansey', 'Carmen', Seaside', and 'Washington' may result in undesirable turfgrass injury. Not all varieties of creeping bentgrass have been tested. **Do not** apply this product to Colonial bentgrass (*Agrostis tenuis*).
†† Use of this product on certain varieties of fine fescue may result in undesirable turf injury. The following fine fescue varieties have been found to be sensitive to this product: 'Atlanta', 'Banner', 'Beauty', 'Bilgart', 'CF-2', 'Enjoy', 'HF-93', 'Highlight', 'Ivalo', 'Jamestown', 'Koket', 'Majenta', Mary', 'Pennlawn', 'Tamara', 'Tatjana', 'Waldorf', and 'Waldina'. Not all varieties of fine fescue have been tested.
††† **Do not** use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

Note: It is not possible to evaluate all turfgrass varieties for tolerance to this product. It is suggested that the user evaluate the response of turfgrass varieties not listed on this label on a limited area, at specified use rates, prior to initiating large-scale use.

Application Directions for Turf

Apply Fertilizer W/ Dimension 0.125% with equipment that provides a uniform particle distribution. Calibrate application equipment prior to usage. Avoid streaking, skips, or excess overlaps during application.

Preemergence Application Rates, Frequency and Timing

For preemergence grass and broadleaf weed control, apply Fertilizer W/ Dimension 0.125% as a single or sequential application at 200 to 400 pounds (0.25 to 0.5 lb active ingredient) per acre. Applicators may choose to make a single application or sequential applications at 200 to 400 pounds per acre at 5 to 10 week intervals based on one or more of the factors listed below. Avoid streaking, skips, or excess overlaps during application.

- Length of residual weed control desired
- Height of turf (lower cut turf may require higher use rates)
- History and success of weed control at the application site (use higher listed application rates if herbicide treatment history is unknown or weed control was poor with previous applications)
- Exposure to high temperatures and heavy rainfall or irrigation (this will shorten the residual preemergence performance)
- On turf sites adjacent to hard surfaces including driveways, sidewalks and parking lots where residual activity may be reduced
- Some target weed species (such as but not limited to *Poa annua*, goosegrass and sandbur) will require higher use rates

Tips for Improved Weed Control

- For best results, apply this product within 2 to 3 days after mowing and delay mowing again for 2 to 3 days after the application.
- The turf herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by ½ inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.

Maximum Use Rates (Applies to all Turfgrass Uses)

- **Do not** apply more than 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application.
- **Do not** apply more than 6 times per year and do not apply more than 1200 lb (1.5 lb active ingredient) per acre (27.6 lb per 1000 sq ft) per year if using split or sequential applications.
- To minimize the potential for turfgrass injury, do not make additional applications within five weeks of a previous application.
- In the state of New York, this product must only be used by commercial applicators at no more than 400 lb of Dimension 0.125% FG per acre per year (0.5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 200 lb of Dimension 0.125% FG per acre per year (0.25 lb dithiopyr/acre/year).

Control of Crabgrass

Preemergence and Early Postemergence Applications from Late Winter through Summer

- This product provides "preemergence" control of crabgrass in established turfgrasses (including the large, smooth, and southern species) when applied prior to germination and emergence of crabgrass at use rates from 200 to 400 pounds of product (0.25 to 0.5 lb ai) per acre.
- This product also provides "early postemergence" control of crabgrass in late spring or early summer if applied prior to the 3-leaf stage of growth or first tiller as described below. This stage of growth generally corresponds to the time when crabgrass seedlings first become visible in the established turfgrass. The practical benefit of early postemergence crabgrass control is a 2 - 4 week longer period of time (window of application) during which crabgrass control can be achieved.

Fall Applications
This product can also be applied in the late summer through early fall (late August through November) at use rates from 200 to 400 pounds per acre to provide control of crabgrass through the early part of the next spring. Fall applications of this product may be followed by an appropriately timed application in the following spring for season-long control of crabgrass.

Weeds Controlled or Suppressed

Spring Applications
When applied preemergence (prior to germination) for control of crabgrass in the spring, this product will also control or suppress the following weeds:

Grasses

barley	*Hordeum* spp.
Barnyardgrass	*Echinochloa crus-galli*
bluegrass, annual	*Poa annua*
brome	*Bromus* spp.
crabgrass, large	*Digitaria sanguinalis*
crabgrass, smooth	*Digitaria ischaemum*
crabgrass, Southern	*Digitaria ciliaris*
crowfootgrass †	*Dactyloctenium aegyptium*
dallisgrass (seedling)	*Paspalum dilatatum*
goosegrass	*Eleusine indica*
foxtail, green	*Setaria verdi*
foxtail, yellow	*Setaria faberi*
kikuyugrass †	*Pennisetum clandestinum*
oats, wild	*Avena fatua*
ryegrass (annual & perennial)	*Lolium spp.*
sandbur	*Cenchrus spp.*
smutgrass	*Sporobolus indicus*

Broadleaf Weeds

bittercress †	*Cardamine* spp.
carpetweed	*Mollugo verticillata*
chickweed †	*Stellaria* spp.
geranium, Carolina †	*Geranium carolinianum*
henbit	*Lamium* spp.
knotweed, prostrate	*Polygonum aviculare*
lespedeza, common †	*Lespedeza striata*
marestail	*Conyza canadensis*
medic, black	*Medicago lupulina*
mustard	*Brassica* spp.
oxalis, buttercup	*Oxalis pes-caprae*
pineappleweed †	*Matricaria matricarioides*
pigweed, redroot	*Amaranthus retroflexus*
parsley-piert †	*Alchemilla arvensis*
purslane, common	*Portulaca oleracea*
rocket, London	*Sisymbrium irio*
shepherdspurse	*Capsella bursa-pastoris*
speedwell, corn †	*Veronica arvensis*
spurge, garden	*Euphorbia hirta*
spurge, prostrate	*Euphorbia humistrata*
spurge, spotted	*Euphorbia maculata*
woodsorrel, creeping	*Oxalis corniculata*
woodsorrel, yellow	*Oxalis stricta*

† Suppression only

Fall Applications
When applied preemergence (prior to germination) in late summer through early fall (late August through November) this product will control or suppress the following weeds in addition to providing preemergence control of crabgrass in the following spring.

bluegrass, annual	*Poa annua*
bittercress	*Cardamine* spp.
chickweed	*Stellaria* spp.
henbit	*Lamium* spp.
geranium, Carolina	*Geranium carolinianum*
parsley-piert	*Alchemilla arvensis*
pineappleweed	*Matricaria matricarioides*
shepherdspurse	*Capsella bursa-pastoris*

Application Instructions and Equipment

This product may be applied with drop or rotary-type spreaders designed to apply granular herbicides. For best results, apply this product evenly and uniformly avoiding streaking, skips or overlaps. Avoid the use of spreaders that tend to apply granules in narrow rows or concentrated bands. Calibrate the spreader according to the manufacturer's directions. Initial spreader settings may require adjustment to deliver the specified application rate under actual application conditions. The desired calibration setting may be marked or recorded for future reference. Apply this product uniformly over the treatment area. More uniformity of application can usually be achieved by applying one-half of the required amount of product over the treatment area and then applying the remaining one-half in a different direction (e.g., at a right angle to the previous direction). Avoid streaking, skips, or overlaps during application.

Check equipment frequently to verify calibration and proper functioning.

Use Directions for Landscape Ornamentals

Fertilizer w/Dimension 0.125% provides preemergence control or suppression of listed annual grass and broadleaf weeds in plantings of ornamental plants listed on this label. This product may be applied in ornamental gardens, parks, golf courses and residential areas where ornamental plants are grown for aesthetic purposes. Apply this product with a properly calibrated spreader that will provide uniform particle distribution. Follow instructions in the "Application Instructions and Equipment" section above.

Use Rates

This product may be applied as a single application or split application. Split or sequential applications may be used to provide improved weed control or to provide extended weed control in areas with long growing seasons. To make a split application, divide the rate in the following table into separate applications made 5-10 weeks apart. Sequential applications may be made in the late summer following a spring application or in the spring after a fall application, provided maximum application rates per year given below are not exceeded.

Pounds of Product/Acre	Pounds of Product/1000 sq ft	Pounds of Product/100 sq ft†
400	9.2	0.92 (14.7 oz)

† Rate based on an area of 100 sq ft for treatment of small areas.

Maximum Use Rates
- **Do not** apply more than 400 lb (0.5 lb active ingredient) per acre (9.2 lb per 1000 sq ft) per application.
- **Do not** apply more than 6 times per year and do not apply more than 1200 lb (1.5 lb active ingredient) per acre (27.6 lb per 1000 sq ft) per year if using split or sequential applications.
- To minimize the potential for plant injury, do not make additional applications within five weeks of the previous application.
- In the state of New York, the product must only be used by commercial applicators at no more than 400 lb of Dimension 0.125% FG per acre per year (0.5 lb dithiopyr/acre/year). In Nassau and Suffolk Counties of New York, do not exceed 200 lb of Dimension 0.125% FG per acre per year (0.25 lb dithiopyr/acre/year).

Application Timing and Instructions

Fertilizer w/Dimension 0.125% is effective as a preemergence herbicide, but will not control established weeds. Applications to mulched areas or bare ground must be made prior to weed seed germination. The best weed control is obtained when applied to soil that is free of clods, weeds and debris such as leaves. Existing weedy vegetation may be controlled by hand weeding, cultivation or using postemergence herbicides prior to application.

Tips for Improved Weed Control
- The herbicide and fertilizer components in this product are not effective until activated by rainfall or irrigation. Performance is improved if application is followed by 1/2 inch of rainfall or sprinkler irrigation. Erratic weed control may result if not activated by rainfall or irrigation within 30 days after application.
- Avoid disturbance of treated areas. Loss of weed control may result if the treated soil surface is disturbed by soil mixing or tillage.

Use Precautions
- To avoid foliar damage to ornamentals, irrigate immediately after application to remove any herbicide granules adhering to foliage.

Use Restrictions
- **Do not** apply this product directly to bare roots of ornamental plants as injury may result.
- **Do not** incorporate this product into soil. Dilution of active ingredient and possible injury to plant roots may occur.
- **Do not** apply to soil around ornamental plants that are under stress resulting from drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides, or damage due to insects, nematodes or disease.
- **Do not** apply under conditions that would affect uniformity of application or distribution on the soil surface. Uneven product distribution will result in uneven weed control. Application under windy conditions can result in uneven distribution or cause herbicide granules to drift from the intended treatment area.
- Apply this product only to established ornamentals.
- **Do not** use on food producing trees and ornamentals.

Weeds Controlled or Suppressed

Used as directed, Fertilizer w/Dimension 0.125% will control crabgrass and control or suppress other listed grass and broadleaf weeds when applied prior to their germination. **Refer to "Use Directions for Turf" section for a complete listing of weeds controlled or suppressed.** This product will not control established broadleaf weeds or grasses, except for crabgrass in early stages of development. The area to be treated should be free of weeds prior to application.

Tolerant Ornamentals

The ornamentals listed below have shown tolerance to this product when applied according to directions in this label. However, this product has not been tested on all ornamental species, all cultivars of species on this label, or under all possible growing conditions. For species or cultivars not listed, only treat a few plants in a limited area and observe for tolerance under local growing conditions prior to large-scale use.

Common Name	Botanical Name	Tolerant Cultivars
Abelia, Dwarf	*Abelia X grandiflora*	Nana
Ajuga	*Ajuga reptans* *Ajuga genevensis*	Bronze Bronze Beauty
Almond, Flowering	*Prunus gladulosa*	
Apple†	*Malus pumila*	
Arborvitae	*Thuja occidentalis*	Nigra Pyramidalis Smaragh Techny Woodwardii
Arborvitae, Golden	*Thuja orientalis*	
Aster, Chinese	*Callistephus chinensis*	Dwarf Queen
Ash, Green	*Fraxinus pennsylvanica*	
Ash, Mountain	*Sorbus aucuparia*	
Ash, Purple	*Fraxinus americana*	
Azalea	*Rhododendron* spp.	Brilliant Buccaneer Carror Chimes (Belgian) Elsie Lee Exbury Fashion Hardijzer Beauty Hershey Red Higasa Hinocrimson Holland (Hybrid) Marion Lee Northern Lights Orange Cup Orchid Lights Snow Southern Charm
Azalea, Flame	*Rhododendron calendulaceum*	
Azalea, Kirishima		
Bamboo, Heavenly		
Barberry	*Berberis thunbergii*	Aurea Dwarf Pigmy Green Kobold Pygmy Red Rose Glow
Barberry, Purple		Atropurpurea
Basket flower	*Gaillardia grandiflora*	
Bearberry (common)	*Arctostaphylos uva-ursi*	Massachusetts
Bee Balm	*Monarda didyma*	
Begonia	*Begonia* spp.	
Birch, River	*Betula nigra*	
Blackeyed Susan	*Rudbeckia hirta*	Goldstrum
Blanket Flower	*Gaillardia* spp.	
Blueberry†	*Vaccinium* spp.	Bluecrop Blue Jay Jersey North Blue Northland
Bottlebrush	*Callistemon citrinus*	
Boxwood, Japanese		Japonica
Boxwood, Weller	*Buxus sempervirens*	
Broom	*Cytisus* spp. *Genista pilosa*	Moonlight Vancouver Gold
Bugle Carpet		
Camellia	*Camellia japonica* *Camellia sasanqua*	Debutante Mathotiana Supreme Chansonette
Candy Tuft	*Iberis* spp.	Snow White
Carex, Variegated	*Carex*	
Cedar, Red	*Juniperus virginiana*	
Celosia	*Celosia* spp.	
Centaura	*Centaurea montana*	
Cockscomb, Plumosa	*Celosia cristata*	scarlet plumosa
Coleus	*Coleus blumei*	red kewpie
Columbine	*Aguilegia* spp.	
Copper leaf	*Acalypha wilkesiana*	
Coreopsis	*Coreopsis* spp.	Moonbeam,
Corn Flower	*Centaurea* spp.	

Cotoneaster	*Cotoneaster apiculatus*	
Coyotebrush	*Baccharis pilularis*	
Cycads	*Cycads revoluta*	
Cypress, Bald	*Taxodium distichum*	
Cypress, Italian	*Cupressus sempervirens*	Glauca
Cypress, Japanese False	*Chamaecyparis obtusa*	Gracilis
Cypress, Leyland	*Cupressocyparis leylandii*	
Daffodil	*Narcissus* spp.	King Alfred
Daylilly	*Hemerocallis* spp.	Aztec Gold Bright Yellow (Hybrid) Single Gold (Evergreen) Wilsonís Yellow
Dianthus (Sweet William)	*Dianthus* spp.	
Delphinium	*Delphinium* spp.	Magic fountain
Dogwood	*Cornus florida*	
Dogwood, American	*Cornus sericea*	Flavarimaea
Douglas Fir	*Pseudotsuga menziesii*	
Dusty Miller	*Senecio cineraria*	
Elm, Drake	*Ulmus parvifolia*	
Euonymus	*Euonymus fortunei*	Argenteo-variegata Auereo-marginata Colorata Emerald Gaiety Emerald en Gold Gold Edge Gold Princess Silver King Tricolor Vegetus
Fan Palm, European	*Chamaerops humilis*	
Fan Palm, Mexican	*Washingtonia robusta*	
Fern (various)	*Asparagus* spp.	
Fescue	*Festuca glauca*	
Fetterbush	*Leucothoe fontanesiana*	Rainbow
Ficus	*Ficus retusa*	Nitidia
Fir Fraser	*Abies fraseri*	
Forsythia	*Forsythia X intermedia* *Spring Glory*	Arnold Dwarf Bronxensis Dwarf Lynwood Gold Meadowlark Weeping
Fuchsia	*Fuchsia* spp.	
Galium	*Galium ordoratum*	
Gardenia	*Gardenia jasminoides*	Mystery Radicans
Geranium	*Pelargonium X hortorum*	
Gum	*Eucalyptus citriodora*	
Hawthorn	*Crataegus* spp.	Cockspur White Crimson Cloud Enchantress Jack Evans Washington White
Heather, Twisted	*Erica cinerea*	Mediterranean Pink
Hemlock, Canada	*Tsuga canadensis*	
Hibiscus	*Hibiscus* spp.	Blue Bird Brilliant Hula Girl
Holly	*Ilex* spp. *Ilex X meserveae* *Ilex X attenuata*	Blue Boy Blue Girl Burfodii China Girl Compacta Forsteri Hellerie Japanese Northern Beauty Needlepoint Nellie R. Stevens Savannah
Holly, Chinese	*Ilex cornuta*	
Holly, Japanese	*Ilex crenata*	
Holly, Yaupon	*Ilex vomitoria*	
Honeysuckle	*Lonicera japonica*	Claveyís Dwarf Halliana Tatarian Canadian White Zebelli Red Hosta
Hosta	*Hosta* spp. *Hosta lancifolia*	Albo Marginata
Ice Plant	*Carpobrotus edulis*	
Impatiens	*Impatiens* spp.	
Iris	*Iris* spp.	Dwarf Blue Wedgewood
Ivy, English	*Hedera helix*	Bulgaria Thorndale
Jasmine, Asian	*Trachelospermum asiaticum*	
Juniper	*Juniperus* spp.	Arcadia Armstrong Bar Harbor
	Juniperus horizontalis	Blue Chip Blue Pacific Blue Rug
	Juniperus horizontalis	Blue Star Broadmoor Buffalo Calgary Carpet
		Emerald Sea Emerald Spreader Endora Compacta Fruitlandi Green Gold Tip Hetzi Hughes Manhattan Blue Parsoni Pfitzeriana Plumosa Prince of Wales Procumbens Dwarf San Jose Sargent Blue Sargent Green Scandia Scopulorum Moonglow Scopulorum Skyrocket Spartan
	Juniperus chinensis	Tamariscifolia
	Juniperus sabina	Weberi Youngstown Yukon Belle
King Palm	*Archontophoenix cunninghamiana*	
Laurel, Australian	*Pittosporum tobira*	
Laurel, Mountain	*Kalmia latifolia*	
Leucothoe	*Leucothoe fontanesiana*	
Ligustrum, Japanese	*Ligustrum japonicum*	
Lily, African	*Agapanthus africanus*	Albus, Peter Pan
Lily, African Blue		
Lily of the Valley	*Pieris japonica*	Mt. Fire
Lilyturf	*Liriope muscari*	Evergreen Giant Lilac Beauty Majestic Monroe White Variegata
Liriope, Green	*Liriope spicata*	
Maple, Japanese	*Acer japonicum*	
Maple, Norway	*Acer platanoides*	
Maple, Red †	*Acer rubrum*	
Maple, Silver	*Acer saccharinum*	
Maple Sugar †	*Acer saccharum*	
Marigold	*Tagetes patula*	Honeycomb Variegata Wheelerís Dwarf
Mock Orange †	*Philadelphus spp*	Golden Snowflake Double White
Mondo Grass	*Ophiopogon japonicus*	
Moss Rose	*Portulaca grandiflora*	Sunnyside
Myrtle, Crape	*Lagerstroemia indica*	Faurei Langer Muskogee Standard Pink
Myrtle, Wax	*Myrica cerifera*	
Nandina	*Nandina domestica*	Compacta Nana
Narcissus	*Narcissus* spp.	
Oak, Laurel	*Quercus laurifolia*	
Oak, Pin	*Quercus palustris*	
Oak, Red	*Quercus rubra*	
Oak, Southern	*Quercus virginiana*	
Oak, Willow	*Quercus phellos*	
Oleander	*Nerium oleander*	Hardy Red Petite Pink Sister Agnes
Osteospermum	*Osteospermum fruticosum*	Wirligig
Pachysandra	*Pachysandra terminalis*	
Palm, Bangalow		
Pampas Grass	*Cortaderia selloana*	
Pansy	*Viola x wittrockiana*	
Paper Flower	*Bougainvillea glabra*	Barbara Karst
Peach †	*Prunus persica*	
Periwinkle, Dwarf	*Vinca minor*	
Petunia	*Petunia X hybrida*	Picoti
Photinia, Red Tip	*Photinia X fraseri*	
Pieris	*Pieris japonica*	
Pine, Australian	Pinus nigra	
Pine, Japanese Black	*Pinus thunbergiana*	
Pine, Loblolly	*Pinus taeda*	
Pine, Longleaf	*Pinus palustris*	
Pine, Mugo	*Pinus mugho*	
Pine, Scotch	*Pinus sylvestris*	
Pine, Slash	*Pinus elliottii*	
Pine, Swiss Mt.	*Pinus mugo*	
Pine, Virginia	*Pinus virginiana*	
Pine, White	*Pinus strobus*	
Pineapple, Guava †	*Feijoa sellowiana*	
Pieris	*Pieris taiwanensis*	

Pittosporum, Japan		
Potentilla	*Potentilla nepalensis* *Potentilla fruticosa*	Abbotswood
Privet	*Ligustrum japonicum*	Golden Vicary Regal Texanum Wax Yellow Tipped
Privet, Glossy	*Ligustrum lucidum*	
Pyracantha	*Pyracantha koidzumii*	Gnome Lalandei Victory
Queen Palm	*Arecastrum rammanzoffianum*	
Quince, Japanese †		
Rhododendron	*Rhododendron spp*	Album Cunningham White Fashion Hardy PJM Purple Gem Silvery Pink
Rhododendron, Carolina	*Rhododendron carolinianum*	
Rhododendron, Catawba	*Rhododendron catawbiense*	
Rockcress	*Arabis* spp.	Snowcap
Rhodie Max (Rosebay)	*Rhododendron maximum*	
Rose †	*Rosa banksiae*	Luta
Rosemary †	*Rosmarinus officinalis*	
Rosemary, Bog	*Andromeda polifolia*	Nana
Salvia	*Salvia farinacea*	Rhea
Sedum	*Sedum spurium*	Dragon Blood Red Red Carpet Yellow
Snapdragon	*Antirrhinum* spp.	
Sourwood	*Oxydendrum arboreum*	
Spiraea	*Astilbe X arendsii*	Fanall
Spiraea	*Spiraea* spp.	Anthony Waterer Red Dolchica Froebeli pink Goldenflame Red Snowmound White Van Houtte White
Spiraea, Garland	*Spiraea* spp.	
Spruce, Black Hills	*Picea glauca*	
Spruce, Colorado Blue	*Picea pungens*	
Spruce, Norway	*Picea abies*	
Spruce, White	*Picea glauca*	Conica
Sweetflag, Grassy-Leaved	*Acorus gramineus*	
Sweetgum	*Liquidambar styraciflua*	
Sycamore	*Platanus occidentalis*	
Tree Fern (Tiki Fern)	*Asparagus virgatus*	
Trumpet Flower, Evening	*Gelsemium sempervirens*	
Tulip	*Tulip*, spp	Apeldoorn
Verbena, Shrub	*Lantana sellowiana*	
Vervain	*Verbena* spp.	St. Paul
Viburnum	*Viburnum* spp.	American Cranberry Bush Arrowood Common Snowball European Cranberry Bush Linden Mohican Wright
Vinca (Periwinkle)	*Vinca minor*	
Windmill Palm	*Trachycarpus fortunei*	
Xylosma	*Xylosma congestum*	
Yarrow	*Achillea* spp.	
Yaupon	*Ilex vomitoria*	Dwarf
Yew	*Taxus cuspidata* *Taxus X media*	Denisiformis

† Ornamental species only: Do not use on food producing trees and ornamentals.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR IMPLIED W ARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the Seller. To the extent permitted by law, all such risks shall be assumed by buyer.

Limitation of Remedies

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, tort, strict liability, or other legal theories), shall be limited to, at Seller's selection, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

To the extent permitted by law, Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

Distributed By:

Harrell's LLC
P. O. Box 807
Lakeland, FL 33802

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Growing a Better World® is a registered trademark of Harrell's, LLC

EPA Accepted 11/13/2024

20250225.62719-483-52287.FertilizerW/Dimension0.125%

0-0-50

Harrell's
Growing a Better World®

FERTILIZER

Inventory #: 200065 Batch #: 2606-10961

GUARANTEED ANALYSIS

Soluble Potash (K_2O).....	**50.0%**
Sulfur (S)	**17.0%**
17.0% Combined Sulfur (S)	

Derived From: Sulfate of Potash

Chlorine (Cl), Not more than.....	**1.0%**

F352 Density - 81lb./cu. ft.

FOR USE ONLY BY PROFESSIONAL APPLICATORS AND COMMERCIAL GROWERS.
NOT INTENDED FOR SALE TO, OR USE BY CONSUMERS (HOMEOWNERS)
Keep Out of Reach of Children - See back of label for use precautions, directions, and guarantor's information

Net Wt. 50 LBS. (22.7 KG)

2606-10961 150626

NOTICE: May cause stains on concrete and other hard surfaces. Sweep or blow, Do Not Wash particles that land on hard surfaces.

Non-Nutritive Metals

Information regarding the contents and levels of metals in this product is available on the internet at: http://www.aapfco.org/metals.html

Directions for Use

Apply fertilizer in accordance with best management practices established by your State University or Extension Service. Observe State or Local regulations pertaining to fertilizer content, timing of application and rates.

In MD, this product is providing nutrients as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under 8-803.7 of this article and performed no more than 3 years before the application. **In MD:** Products containing over 5% phosphorus are starter fertilizers and are limited to establishing turf in the first growing season, repairing or renovation turf. Follow **MD** recommendations for annual P limit.

In NJ, VA: Application of a product containing phosphorus to turf is limited to establishing turf in the first growing season, repairing or renovating turf, or may be applied to established turf where a soil test performed within 3 years indicates a phosphorus deficiency.

In MD, NH, NJ, VA: Application rates of soluble nitrogen are not to exceed 0.7 lb soluble N/1,000 sq.ft./application. (**In NH** - annually no more than 3.25 lbs. total N/1000 sq.ft.). (**In VA** - no more than 1.0 lb. to warm season grasses) Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area. For information on the components in this fertilizer, write to us at the address below. Include the Inventory # or Batch # printed on the product label.

In Maryland: EEF Application rate depends upon turf species, therefore the rate must be the lessor of a) 2.5 lb N/1000 sq. ft. or b) 80% of the annual total recommended by the University of Maryland. The annual nitrogen limit for enhanced efficiency fertilizer for all turf species is 2.5 lbs N/1000 sq. ft.

In New Hampshire: The maximum nitrogen application rate is 2.5 lb/1000 sq. ft. in a single application and not to exceed 3.5 lb/1000 sq. ft. annually.

Florida Specific Requirements for Fertilizer Use: For applications to Sports Turf, Golf Courses, Parks and Athletic Fields: 1.) DO NOT exceed fertilizer rates recommended in the document titled SL 191, "Recommendations for N,P,K and Mg for Golf Course and Athletic Field Fertilization Based on Mehlic III Extractant". 2.) Follow "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" published by the Florida Department of Environmental Protection. 3.) For all fertilizer uses other than as a specialty fertilizer on urban turf:
DO NOT exceed rates recommended in the document titled "Florida Friendly Best Management Practices for Protection of Water Resources by the Green Industries", published by the Florida Department of Environmental Protection.



Warning



Dust may cause Serious Eye Damage

Skin, Eye and Respiratory Tract Irritant. Harmful if swallowed.

Precautionary Statements: Wear safety glasses with side shields or goggles when handling product. Avoid breathing dust. Wash face, hands and exposed skin thoroughly after handling. Do not eat, drink or use tobacco products when using this product.

First Aid

If in Eyes: Flush with water for 15 minutes. Call a doctor for treatment advice if irritation persists.
If on Skin: Wash thoroughly with soap and water. Launder clothing before reuse.
If Inhaled: Remove affected person from source of exposure. Call 911 if breathing is difficult.
If Ingested: Do not induce vomiting. Get medical attention.
Have the product label with you when calling a doctor or going for treatment.

MANUFACTURED AND GUARANTEED BY HARRELL'S, LLC PO BOX 807 LAKELAND, FL 33802 (863) 687-2774 (800) 282-8007

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Inventory Item Specifications

Inventory #: 884187

7/20/2026

Analysis: 30-0-5 **% Organic:** 100.00%

1Fe

Inv #	Desc	Lbs	T/N	N/N	A/N	W/S	WIS	APA	K20
R026	UREA	978	22.500	0.000	0.000	22.500	0.000	0.000	0.000
R037	POLYON-44	341	7.500	0.000	0.000	7.500	0.000	0.000	0.000
R048	GR. MOP	161	0.000	0.000	0.000	0.000	0.000	0.000	5.000
R075	IRON 50%	40	0.000	0.000	0.000	0.000	0.000	0.000	0.000
R099	Filler	480	0.000	0.000	0.000	0.000	0.000	0.000	0.000
			30.000	**0.000**	**0.000**	**30.000**	**0.000**	**0.000**	**5.000**

18-3-6
with UMAXX®

Harrell'sMAX®
LIQUID FOLIAR NUTRITIONALS

GUARANTEED ANALYSIS

Total Nitrogen (N)* 18.00%
15.00% Urea Nitrogen
3.00% Nitrate Nitrogen
Available Phosphate (P_2O_5) 3.00%
Soluble Potash (K_2O) 6.00%
Iron (Fe) 0.10%
0.10% Chelated Iron (Fe)

Derived From: Urea, potassium phosphate, potassium nitrate and iron citrate.

**All nitrogen in this product stabilized with dicyanodiamide and N-(n-Butyl)- thiophosphoric triamide.*

F352

PRECAUTIONS

- Avoid getting in eyes or on skin. The use of safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product is recommended.
- Do not contaminate water during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS:

☐ 250 gallons (946 liters) ☐ 55 gallons (208.2 liters) ☐ 30 gallons (113.52 liters) ☐ 2.5 gallons (9.46 liters)

Weight per gallon: 10.30 lbs. @ 68°F

Harrell's
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Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | *Harrells.com*

#822586 #822587 #820204 07/16

18-3-6
with UMAXX®

Harrell's MAX 18-3-6 with UMAXX® provides Urea and Nitrate Nitrogen plus Phosphorus, Potassium and Iron for consistent performance in a convenient formulation.

DIRECTIONS FOR USE

Harrell's MAX® 18-3-6 with UMAXX® may be applied as an undiluted spray or mixed with water where spray equipment requires more volume. Avoid high spray volumes (generally over 25 gallons per acre) where possible to avoid run-off. Nitrogen rates of 0.1 - 0.8 pounds per 1,000 sq. ft. are suggested depending on the frequency of application, turf traffic, turf species and season. For general conditions apply 0.1 to 0.4 lbs. of N for frequent applications (1 to 2 weeks) or 0.5 to 0.8 lbs. of N for less frequent applications (3 to 4 weeks). Apply in sufficient water to ensure thorough coverage.

Apply fertilizer in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

RECOMMENDED RATES

Turf: This product can be applied throughout the growing season on warm and cool season grasses. Application can be started in early spring and continued through late fall. Apply on greens, tees, and fairways at 2 – 7 oz. per 1,000 sq. ft. (0.03 – 0.10 lb. per 1,000 sq. ft.) with a spray unit. This product is compatible with most technical turf products. When mixing with other products, check dilution rates. Apply every 7 – 21 days, or apply along with a summer disease program.

Trees & Shrubs: For deep root feeding, mix 1 – 5 gal of 18-3-6 with UMAXX® per 100 gal of water. Inject 1 – 5 gal per inch of trunk diameter at chest height.

Agriculture Crops: Apply 0.5-1.5 gallons per 100 gallons. Repeat every 2 – 4 weeks as necessary. Apply in sufficient water to ensure thorough coverage.

STORAGE AND CONTAINER DISPOSAL

Store above 32°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within Thirty(30) days after purchase as a prerequisite to maintaining any claim again st Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

UMAXX® is a registered trademark of Koch Agronomic Services, LLC.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals

Information on the components of this fertilizer may be obtained by writing Harrell's, LLC at the address below.

Harrell's
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#822586 #822587 #820204 07/16

4-0-0
with UMAXX®

Harrell's Bio-MAX®

LIQUID FOLIAR NUTRITIONALS

GUARANTEED ANALYSIS

Total Nitrogen (N).....4.00%
2.25% Nitrate Nitrogen
1.75% Urea Nitrogen*
Iron (Fe).....2.00%
2.00% Chelated Iron (Fe)
Manganese (Mn).....3.00%
3.00% Water Soluble Manganese (Mn)

Derived From: Urea, Iron Citrate, and Manganese Nitrate.

**Urea nitrogen in this product stabilized with dicyanodiamide and N-(n-Butyl)- thiophosphoric triamide.*

F352

ALSO CONTAINS NONPLANT FOOD
SOIL AMENDING INGREDIENT(S):
52% Kelp Extract from Ascophyllum Nodosum (microbe food)
48% Total Other Ingredients

PRECAUTIONS

- Avoid getting in eyes or on skin. Use safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Do not contaminate water during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

WARNING

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY



FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Rinse mouth. Do Not induce vomiting. Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS

☐ 250 gallons (946 liters)

☐ 30 gallons (113.52 liters)

☐ 2.5 gallons (9.46 liters)

Weight per gallon: 10.31 lbs. @ 68°F

#820440 07/21

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**

4-0-0 with UMAXX®

Harrell's Bio-MAX® 4-0-0 with UMAXX is a professional-use product offering turf managers advanced foliar nutrition. This product contains nitrogen, iron, manganese, and kelp extract as microbe food.

DIRECTIONS FOR USE

Shake or agitate before use. Rates will vary based on soil/tissue analysis and your agronomic needs. Apply in the early morning or late afternoon for best results. Allow foliar product to dry on plant prior to irrigation. Use spray adjuvant for superior coverage. Apply in sufficient water to ensure thorough coverage.

Mixing Guidelines: Use a minimum of 1 U.S. gallon of water carrier per 1,000 sq. ft. (3.8 liters per 93 sq. meters). Fill mix tank with half of required spray water and turn on agitation. Measure product into tank; add remaining water and other soluble materials. Add a defoaming agent if desired, and adjust pH of tank-mix to neutral if necessary.

Compatibility: These concentrated materials are compatible with most fertilizers and chemicals but should not be mixed directly with other chemicals. Conduct a jar test as needed to ensure compatibility with other products before tank mixing. Mix in spray tanks with water and proper agitation.

Apply product in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

RECOMMENDED RATES

Turf: Apply 3 – 12 oz. per 1,000 sq. ft. every 7 – 14 days. Apply in sufficient water to ensure thorough coverage.

Trees and Ornamentals: Apply 2 oz. per gallon of water every 2 – 4 weeks throughout the growing season.

Agriculture Crops: Apply 0.5-1.5 gallons per 100 gallons. Repeat every 2 – 4 weeks as necessary. Apply in sufficient water to ensure thorough coverage.

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

UMAXX® is a registered trademark of KOCH Agronomic Services, LLC.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html

Information on the components of this product may be obtained by writing Harrell's, LLC at the address below.

Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area.

In MD, NH, NJ, VA: Nitrogen applications are limited to no more than 0.7 lb (in VA: 1 lb) of soluble nitrogen per 1000 sq. ft. per application.

Harrell's Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**
Formulated in the USA.

#820440 07/21

18-3-6
with UMAXX®

Harrell'sMAX®
LIQUID FOLIAR NUTRITIONALS

GUARANTEED ANALYSIS

Total Nitrogen (N)* 18.00%
15.00% Urea Nitrogen
3.00% Nitrate Nitrogen
Available Phosphate (P_2O_5) 3.00%
Soluble Potash (K_2O) 6.00%
Iron (Fe) 0.10%
0.10% Chelated Iron (Fe)

Derived From: Urea, potassium phosphate, potassium nitrate and iron citrate.

**All nitrogen in this product stabilized with dicyanodiamide and N-(n-Butyl)- thiophosphoric triamide.*

F352

PRECAUTIONS

- Avoid getting in eyes or on skin. The use of safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product is recommended.
- Do not contaminate water during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS:

☐ 250 gallons (946 liters) ☐ 55 gallons (208.2 liters) ☐ 30 gallons (113.52 liters) ☐ 2.5 gallons (9.46 liters)

Weight per gallon: 10.30 lbs. @ 68°F

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | *Harrells.com*

#822586 #822587 #820204 07/16

18-3-6
with UMAXX®

Harrell's MAX 18-3-6 with UMAXX® provides Urea and Nitrate Nitrogen plus Phosphorus, Potassium and Iron for consistent performance in a convenient formulation.

DIRECTIONS FOR USE

Harrell's MAX® 18-3-6 with UMAXX® may be applied as an undiluted spray or mixed with water where spray equipment requires more volume. Avoid high spray volumes (generally over 25 gallons per acre) where possible to avoid run-off. Nitrogen rates of 0.1 - 0.8 pounds per 1,000 sq. ft. are suggested depending on the frequency of application, turf traffic, turf species and season. For general conditions apply 0.1 to 0.4 lbs. of N for frequent applications (1 to 2 weeks) or 0.5 to 0.8 lbs. of N for less frequent applications (3 to 4 weeks). Apply in sufficient water to ensure thorough coverage.

Apply fertilizer in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

RECOMMENDED RATES

Turf: This product can be applied throughout the growing season on warm and cool season grasses. Application can be started in early spring and continued through late fall. Apply on greens, tees, and fairways at 2 – 7 oz. per 1,000 sq. ft. (0.03 – 0.10 lb. per 1,000 sq. ft.) with a spray unit. This product is compatible with most technical turf products. When mixing with other products, check dilution rates. Apply every 7 – 21 days, or apply along with a summer disease program.

Trees & Shrubs: For deep root feeding, mix 1 – 5 gal of 18-3-6 with UMAXX® per 100 gal of water. Inject 1 – 5 gal per inch of trunk diameter at chest height.

Agriculture Crops: Apply 0.5-1.5 gallons per 100 gallons. Repeat every 2 – 4 weeks as necessary. Apply in sufficient water to ensure thorough coverage.

STORAGE AND CONTAINER DISPOSAL

Store above 32°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within Thirty(30) days after purchase as a prerequisite to maintaining any claim again st Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

UMAXX® is a registered trademark of Koch Agronomic Services, LLC.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals

Information on the components of this fertilizer may be obtained by writing Harrell's, LLC at the address below.

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | *Harrells.com*

#822586 #822587 #820204 07/16

Tall Turf

Harrell's MAX®
LIQUID FOLIAR NUTRITIONALS

30-0-0
GUARANTEED ANALYSIS

Total Nitrogen (N).....30.0%
6.375% Ammoniacal Nitrogen*
6.375% Nitrate Nitrogen
17.250% Urea Nitrogen^*

Derived From: Urea Ammonium Nitrate and Urea-Triazone

** 6.375% Ammoniacal and 12.75% urea nitrogen in this product stabilized with dicyandiamide .* F352

^4.5% Slowly available urea nitrogen from Urea-Triazone

PRECAUTIONS

- Avoid getting in eyes or on skin. Wear safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Remove any contaminated clothing and wash affected skin.
- Do not contaminate water supplies during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Call 911 or a physician for treatment advice. Do Not induce vomiting.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS:

☐ 250 gallons (946 liters)

☐ 30 gallons (113.52 liters)

☐ 2.5 gallons (9.46 liters)

Weight per gallon: 10.81 lbs. @ 68°F

880151-2.5 880151-30 880151-250 03/25

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**

Tall Turf

PRODUCT INFORMATION

Harrell's Tall Turf is a non-clogging blend of nitrogen fertilizers and a nitrogen stabilizer. Harrell's Tall Turf will help promote vigorous re-growth during high traffic periods.

DIRECTIONS FOR USE

Harrell's Tall Turf can be applied throughout the growing season to cool and warm season grasses.

Apply this product in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf areas and sweep any product that lands on hard surfaces back onto the treated area.

RECOMMENDED RATES

Turf: General
Apply 2 - 40 oz. per 1,000 sq. ft. as necessary during the growing season.

Trees & Ornamentals:
Apply 1-2 quarts per 100 gallons of water

For MD, NH, NJ, PA, & VA: Application rates of soluble nitrogen are not to exceed 0.7 lb soluble N/1,000 sq ft/application (In VA - no more than 1.0 lb)

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a cool, dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any nonconformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

Information on the components of this product may be obtained by writing Harrell's, LLC at the address below.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html

Harrell's
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Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**
Formulated in the USA

880151-2.5 880151-30 880151-250 03/25

Tall Turf 880151.indd 2 3/27/2025 7:34:45 AM

12-0-12
with UMAXX®

Harrell's MAX®
LIQUID FOLIAR NUTRITIONALS

GUARANTEED ANALYSIS

Total Nitrogen (N) 12.00%
12.0% Urea Nitrogen*
Soluble Potash (K_2O) 12.00%

Derived from: Urea and Potassium Acetate..

**12% urea nitrogen is stabilized with dicyanodiamide and N-(n-butyl)-thiophosphoric triamide.*

PRECAUTIONS

F352

- Avoid getting in eyes or on skin. Use safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Do not contaminate water during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Rinse mouth. Do NOT induce vomiting. Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS

☐ 250 gallons (946 liters)

☐ 30 gallons (113.52 liters)

☐ 2.5 gallons (9.46 liters)
Weight per gallon: 10.14 lbs. @ 68° F

880150 07/21

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**

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12-0-12 with UMAXX®

Harrell's MAX® 12-0-12 with UMAXX® is a general purpose, liquid fertilizer that provides a 1:1 blend of nitrogen (N) to soluble potash (K_2O) to help plants withstand the rigors of environmental stress.

DIRECTIONS FOR USE

Shake well before each use. Avoid getting in eyes, mucous membranes or on skin. Use side-shielded safety glasses. Use with adequate ventilation. Keep container capped when not in use. Do not contaminate feed, seed, or water supplies. Harrell's MAX® 12-0-12 with UMAXX® must be diluted with water prior to mixing with other nutrients or chemicals. Apply in sufficient water to ensure thorough coverage.

Apply fertilizer in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

RECOMMENDED RATES

Turfgrass: Harrell's MAX® 12-0-12 with UMAXX® can be applied throughout the growing season on warm and cool season grasses. Application can be started in early spring and continued through late fall. Apply 2 – 10 oz. per 1,000 sq. ft. (0.02 – 0.10 lb. N & K_2O per 1,000 sq. ft.) every 7 days – 4 weeks or as needed.

Greens, & Tees: Apply 2 – 10 oz. per 1,000 sq. ft. (0.02 – 0.10 lb. N & K_2O per 1,000 sq. ft.) with a spray unit. Harrell's MAX® 12-0-12 with UMAXX® is compatible with most technical turf products. When mixing with other products, check dilution rates. Apply every 7 – 21 days, or apply along with a summer disease program.

Trees & Ornamentals: 1 – 2 qts per 100 gal of water.

Agriculture Crops: Apply 0.5-1.5 gallons per 100 gallons. Repeat every 2 – 4 weeks as necessary. Apply in sufficient water to ensure thorough coverage.

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

UMAXX® is a registered trademark of Koch Agronomic Services, LLC.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html

Information on the components of this fertilizer may be obtained by writing Harrell's, LLC at the address below.

Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area.

Nitrogen applications are limited to no more than 0.7lb (in VA: 1.0lb) of soluble nitrogen per 1,000 sq. ft. per application.

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**
Formulated in the USA

880150 07/21

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7-0-7
with UMAXX®

Harrell's Bio-MAX®
LIQUID FOLIAR NUTRITIONALS

GUARANTEED ANALYSIS

Total Nitrogen (N)	7.00%
1.0% Nitrate Nitrogen	
6.0% Urea Nitrogen*	
Soluble Potash (K_2O)	7.00%
Iron (Fe)	1.00%
1.00% Chelated Iron (Fe)	
Manganese (Mn)	0.46%
0.46% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.08%
0.08% Chelated Zinc (Zn)	

Derived From: Urea, Potassium Phosphite, Iron Citrate, Manganese Nitrate, and Zinc Citrate.

**6% Urea Nitrogen in this product stabilized with dicyanodiamide and N-(n-butyl)-thiophosphoric triamide.*

ALSO CONTAINS NONPLANT FOOD
SOIL AMENDING INGREDIENT(S):
20% Kelp Extract from Ascophyllum nodosum (microbe food)
80% Total Other Ingredients

PRECAUTIONS

F352

- Avoid getting in eyes or on skin. Use safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Do not contaminate water during application or when cleaning equipment.
- Causes skin irritation
- Toxic to aquatic life

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

WARNING



Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

FIRST AID

If on Skin: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

If Ingested: Rinse mouth. Do Not induce vomiting. Immediately call a POISON CENTER or doctor/physician.

If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS

☐ 250 gallons (946 liters)
☐ 30 gallons (113.52 liters)
☐ 2.5 gallons (9.46 liters)

Weight per gallon: 10.68 lbs. @ 68° F

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**

#820488 07/21

7-0-7
with UMAXX®

This product contains nitrogen, potassium and listed micronutrients; plus kelp extract as a food source for microbes, when applied to the soil.

DIRECTIONS FOR USE

Shake or agitate well before use. Apply in sufficient water to ensure thorough coverage.

Mixing Guidelines: Use a minimum of 1 U.S. gallon of water carrier per 1,000 sq. ft. (3.8 liters per 93 sq. meters). Fill mix tank with half of required spray water and turn on agitation. Measure product into tank; then add remaining water and other soluble materials. Agitate to achieve uniform mixture before making application.

Compatibility: These concentrated materials are compatible with most fertilizers and chemicals but should not be mixed directly with other chemicals. Conduct a jar test as needed to ensure compatibility with other products before tank mixing.

Apply product in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

RECOMMENDED RATES

Turf (Greens & Tees): 3-10 fl. oz. per 1,000 sq .ft. (0.03 - 0.10 lb of N per 1,000 sq. ft.) as necessary.

Fairways & Other Turf: Apply 3 - 24 oz. per 1,000 sq. ft. (0.03 - 0.25 lb of N per 1,000 sq. ft.) as necessary. Use sufficient water for good coverage.

Agriculture Crops: Apply 0.5-1.5 gallons per 100 gallons. Repeat every 2 – 4 weeks as necessary. Apply in sufficient water to ensure thorough coverage.

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

UMAXX® is a registered trademark of Koch Agronomic Services, LLC.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html

Information on the components of this product may be obtained by writing Harrell's, LLC at the address below.

Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area.

For MD, NH, NJ, VA: - Application rates of soluble nitrogen are not to exceed 0.7 lb soluble N/1,000 sq ft/application (In VA - no more than 1.0 lb)

Application of this product to turf is limited to the first growing season of newly established turf, or turf being repaired or renovated. It may be applied to established turf where a soil test performed within 3 years indicates a phosphorus deficiency.

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**
Formulated in the USA.

#820488 07/21

30-0-5

Harrell's
Growing a Better World®

POLYON FERTILIZER

Inventory #: 884196 Batch #: 2606-11447

GUARANTEED ANALYSIS

Total Nitrogen (N)*.....	**30.0%**
30.0% Urea Nitrogen	
Soluble Potash (K_2O).....	**5.0%**

Derived From: Muriate of Potash, Polymer Coated Urea

*** 30% coated slow release Nitrogen (N) from Polymer Coated Urea**

Chlorine (Cl), Not more than.....	**3.9%**

F352 Density - 59lb./cu. ft.

FOR USE ONLY BY PROFESSIONAL APPLICATORS AND COMMERCIAL GROWERS.
NOT INTENDED FOR SALE TO, OR USE BY CONSUMERS (HOMEOWNERS)
Keep Out of Reach of Children - See back of label for use precautions, directions, and guarantor's information

Net Wt. 50 LBS. (22.7 KG)

2606-11447 170626

NOTICE: May cause stains on concrete and other hard surfaces. Sweep or blow, Do Not Wash particles that land on hard surfaces.

Non-Nutritive Metals

Information regarding the contents and levels of metals in this product is available on the internet at: http://www.aapfco.org/metals.html

Directions for Use

Apply fertilizer in accordance with best management practices established by your State University or Extension Service. Observe State or Local regulations pertaining to fertilizer content, timing of application and rates.

In MD, this product is providing nutrients as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under 8-803.7 of this article and performed no more than 3 years before the application. **In MD:** Products containing over 5% phosphorus are starter fertilizers and are limited to establishing turf in the first growing season, repairing or renovation turf. Follow **MD** recommendations for annual P limit.

In NJ, VA: Application of a product containing phosphorus to turf is limited to establishing turf in the first growing season, repairing or renovating turf, or may be applied to established turf where a soil test performed within 3 years indicates a phosphorus deficiency.

In MD, NH, NJ, VA: Application rates of soluble nitrogen are not to exceed 0.7 lb soluble N/1,000 sq.ft./application. (**In NH** - annually no more than 3.25 lbs. total N/1000 sq.ft.). (**In VA** - no more than 1.0 lb. to warm season grasses) Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area. For information on the components in this fertilizer, write to us at the address below. Include the Inventory # or Batch # printed on the product label.

In Maryland: EEF Application rate depends upon turf species, therefore the rate must be the lessor of a) 2.5 lb N/1000 sq. ft. or b) 80% of the annual total recommended by the University of Maryland. The annual nitrogen limit for enhanced efficiency fertilizer for all turf species is 2.5 lbs N/1000 sq. ft.

In New Hampshire: The maximum nitrogen application rate is 2.5 lb/1000 sq. ft. in a single application and not to exceed 3.5 lb/1000 sq. ft. annually.

Florida Specific Requirements for Fertilizer Use: For applications to Sports Turf, Golf Courses, Parks and Athletic Fields: 1.) DO NOT exceed fertilizer rates recommended in the document titled SL 191, "Recommendations for N,P,K and Mg for Golf Course and Athletic Field Fertilization Based on Mehlic III Extractant". 2.) Follow "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" published by the Florida Department of Environmental Protection. 3.) For all fertilizer uses other than as a specialty fertilizer on urban turf:
DO NOT exceed rates recommended in the document titled "Florida Friendly Best Management Practices for Protection of Water Resources by the Green Industries", published by the Florida Department of Environmental Protection.



Warning



Dust may cause Serious Eye Damage

Skin, Eye and Respiratory Tract Irritant. Harmful if swallowed.

Precautionary Statements: Wear safety glasses with side shields or goggles when handling product. Avoid breathing dust. Wash face, hands and exposed skin thoroughly after handling. Do not eat, drink or use tobacco products when using this product.

First Aid

If in Eyes: Flush with water for 15 minutes. Call a doctor for treatment advice if irritation persists.
If on Skin: Wash thoroughly with soap and water. Launder clothing before reuse.
If Inhaled: Remove affected person from source of exposure. Call 911 if breathing is difficult.
If Ingested: Do not induce vomiting. Get medical attention.
Have the product label with you when calling a doctor or going for treatment.

MANUFACTURED AND GUARANTEED BY HARRELL'S, LLC PO BOX 807 LAKELAND, FL 33802 (863) 687-2774 (800) 282-8007

POLYON®, the POLYON® logo, and the Green color of the POLYON® capsule are registered trademarks of Harrell's Coatings Solutions, LLC.

10-3-10

Harrell's
Growing a Better World®

TURF SPARGED W/ Dimension .125%

Inventory #: 886017 Batch #: 0905-0446

GUARANTEED ANALYSIS

Total Nitrogen (N)..... 10.0000%

0.6120% Ammoniacal Nitrogen
6.4180% Urea Nitrogen*
2.9700% Water Insoluble Nitrogen*

Available Phosphate (P_2O_5)..... 3.0000%

Soluble Potash (K_2O)..... 10.0000%

Sulfur (S) 3.5290%
3.5290% Combined Sulfur (S)

Derived From: Diammonium Phosphate, Methylene DiUrea, Monoammonium Phosphate, Sulfate of Potash, Urea

*** 6.75% coated slow release Nitrogen(N) from Methylene DiUrea**

Chlorine (Cl), Not more than..... 0.2000%

Active Ingredients -

(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester……	0.125%
dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-	%
Other Ingredients:.....	99.875%
Total.....	100.000%

E.P.A. Reg. No. 62719-483-52287 E.P.A. Est. 52287-AL-001

STOP - READ LABEL BEFORE USE CAUTION KEEP OUT OF REACH OF CHILDREN

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

See Reverse/Inside for Complete First Aid Instructions, Precautionary Statements, Directions for Use and Storage and Disposal Instructions

F352 Density - 77 lb./cu. ft.

Directions for Use

Information regarding the contents and levels of metals in this product is available on the internet at: http://www.aapfco.org/metals.html

FOR USE ONLY BY PROFESSIONAL APPLICATORS AND COMMERCIAL GROWERS
NOT INTENDED FOR SALE TO, OR USE BY CONSUMERS (HOMEOWNERS)

Apply fertilizer in accordance with best management practices established by your State University or Extension Service. Observe State or Local regulations pertaining to fertilizer content, timing of application and rates. In MD, this product is providing nutrients as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under 8-803.7 of this article and performed no more than 3 years before the application. In MD: Products containing over 5% phosphorus are starter fertilizers and are limited to establishing turf in the first growing season, repairing or renovation turf. Follow MD recommendations for annual P limit. In NH, NJ, VA: Application of a product containing phosphorus to turf is limited to establishing turf in the first growing season, repairing or renovating turf, or may be applied to established turf where a soil test performed within 3 years indicates a phosphorus deficiency. In MD, NH, NJ, VA: Application rates of soluble nitrogen are not to exceed 0.7 lb soluble N/1,000 sq.ft./application.(In VA - no more than 1.0 lb. to warm season grasses) Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area. For information on the components in this fertilizer, write to Harrell's, LLC at the address below. Include the Inventory # or Batch # printed on the product label.

50 Lb Bag

0905-0446 032003



Warning



Dust may cause Serious Eye Damage
Skin, Eye and Respiratory Tract Irritant. Harmful if swallowed.

Precautionary Statements: Wear safety glasses with side shields or goggles when handling product. Avoid breathing dust. Wash face, hands and exposed skin thoroughly after handling. Do not eat, drink or use tobacco products when using this product.

First Aid
If in Eyes: Flush with water for 15 minutes. Call a doctor for treatment advice if irritation persists.
If on Skin: Wash thoroughly with soap and water. Launder clothing before reuse.
If Inhaled: Remove affected person from source of exposure. Call 911 if breathing is difficult.
If Ingested: Do not induce vomiting. Get medical attention.
Have the product label with you when calling a doctor or going for treatment.

MANUFACTURED AND GUARANTEED BY HARRELL'S, LLC PO BOX 807 LAKELAND, FL 33802 (863) 687-2774 (800) 282-8007

Florida Specific Requirements for Fertilizer Use: For applications to Sports Turf, Golf Courses, Parks and Athletic Fields: 1.) DO NOT exceed fertilizer rates recommended in the document titled SL 191, "Recommendations for N,P,K and Mg for Golf Course and Athletic Field Fertilization Based on Mehlic III Extractant". 2.) Follow "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" published by the Florida Department of Environmental Protection. 3.) For all fertilizer uses other than as a specialty fertilizer on urban turf: DO NOT exceed rates recommended in the document titled "Florida Friendly Best Management Practices for Protection of Water Resources by the Green Industries", published by the Florida Department of Environmental Protection.

50 Lb Bag

0905-0446 032003



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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 19, 2021

Sanford R Simon
VP Corporate Compliance
Harrell's
5105 New Tampa Hwy
Lakeland, FL 33815

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – Add Alternate Brand Name; minor change to manufacturer statement
Product Name: P-FYT Systemic Fungicide
EPA Registration Number: 52287-25
Application Date: 01/18/2021
OPP Submission Number: 1063585

Dear Mr. Sanford:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records. The alternate brand name "Harrell's ProtectMAX® Title Phyte Systemic Fungicide" has been added to the product's records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have any questions, please contact Susannah Powell of my team via email at powell.susannah@epa.gov.

Sincerely,



Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Note to PM:
Bold, italicized text is for the reader and is not a part of the label.
[Bracketed information is optional] Text separated by / denotes and/or options

EPA Reg. No. 52287-

POTASSIUM PHOSPHITE	GROUP	P07	FUNGICIDE

Master Label
Sublabel A- General Use
Sublabel B- Commercial Applicator- Landscape NonFood Uses

NOTIFICATION
52287-25
The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:
02/19/2021

P-FYT

SYSTEMIC FUNGICIDE

[Alternate Brand Names: Harrell's ProtectMAX® Title Phyte Systemic Fungicide, Title Phyte, Title Phyte Fungicide, Title Phyte Systemic Fungicide, Harrell's ProtectMAX™ Phosphite Fungicide]

[Batch/Lot Number] [SKU Number]

A FUNGICIDE FOR THE CONTROL OF DOWNY MILDEW, PHYTOPHTHORA, PYTHIUM AND VARIOUS OTHER DISEASES ON AGRICULTURAL AND GREENHOUSE CROPS, INDOOR AND OUTDOOR ORNAMENTALS, BEDDING PLANTS, TURF, FORESTRY APPLICATIONS AND DOMESTIC TREES, INCLUDING CONIFERS, PINES, OAKS AND POST-HARVEST TREATMENT OF POTATOES FOR PINK ROT AND LATE BLIGHT

ACTIVE INGREDIENTS:	
Mono- and di-Potassium Phosphite*	50.6%
OTHER INGREDIENTS:	49.4%
TOTAL	100.0%

***Contains 6.93 lbs./gallon of the active ingredient, Potassium Phosphite. Equivalent to 4.71 lbs. Phosphorous Acid/gallon.

EPA Reg. No. 52287- EPA Est. No. 52287-AL-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

[See inside booklet] / [Read back panel] / [Read entire label] for [First Aid] [and] additional precautionary statements.

For **MEDICAL** Emergencies Call 24 Hours a Day 1-800-282-8007
For **TRANSPORTATION** Emergencies Call 24 Hours a Day 1-800-424-9300
For **PRODUCT USE** Information call 1-800-282-8007 (8 am – 5 pm Eastern)

Note to PM:
Bold, italicized text is for the reader and is not a part of the label. EPA Reg. No. 52287-
[Bracketed information is optional] Text separated by / denotes and/or options

NET CONTENTS: 2.5 gal. (9.46 liters, 30 gal (113.52 liters), 250 gal (946 liters), Bulk Containers

Harrell's
Growing a Better World®

POTASSIUM PHOSPHITE	GROUP	P07	FUNGICIDE

Sublabel A-General Use

P-FYT

SYSTEMIC FUNGICIDE

[Alternate Brand Names: Title Phyte, Title Phyte Fungicide, Title Phyte Systemic Fungicide, Harrell's ProtectMAX™ Phosphite Fungicide]

[Batch/Lot Number] [SKU Number]

A FUNGICIDE FOR THE CONTROL OF DOWNY MILDEW, PHYTOPHTHORA, PYTHIUM AND VARIOUS OTHER DISEASES ON AGRICULTURAL AND GREENHOUSE CROPS, INDOOR AND OUTDOOR ORNAMENTALS, BEDDING PLANTS, TURF, FORESTRY APPLICATIONS AND DOMESTIC TREES, INCLUDING CONIFERS, PINES, OAKS AND POST-HARVEST TREATMENT OF POTATOES FOR PINK ROT AND LATE BLIGHT

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EPA Reg. No. 52287- EPA Est. No. 52287-AL-1

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NET CONTENTS: 2.5 gal. (9.46 liters, 30 gal (113.52 liters), 250 gal (946 liters), Bulk Containers

FIRST AID

If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
If on skin	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center, or doctor, or going for treatment. You may also call 1-800-282-8007 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

[SHAKE] / [AGITATE] / [MIX] WELL BEFORE USE

Do not apply this product in a way that will contact workers or other person, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard. 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, and nurseries, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is: coveralls over long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

GENERAL APPLICATION INSTRUCTIONS

Apply [P-FYT]/[this product] by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply with sufficient water for adequate coverage of foliage, according to crop and growth stage. To ensure good coverage, spray to wet.

1. MIXING INSTRUCTIONS
2. Fill the spray tank with 1/2 of the required volume of water.
3. Add [P-FYT]/[this product] slowly to the tank and agitate by hydraulic or mechanical means.
4. Continue to fill the tank with water to the desired volume while agitating.
5. Continue agitation when applying.

For 1-gallon (3.785 liters) containers: the contents will treat up to 34,848 sq. ft. at the maximum rate. For 2 1/2 gallons (9.463 liters) containers: The contents will treat up to 2 acres at the maximum rate. For 5 gallons (18.925 liters) containers: the contents will treat up to 4 acres at the maximum rate.

LOW VOLUME AND ULTRA-LOW VOLUME APPLICATIONS

Labeled rates are for use with conventional application equipment. For LV/ULV equipment, follow use directions for the per acre rate and adjust the amount of water to equipment needs. Always conduct a phytotoxicity test on a small area before applying to a large area in order to asses any potential risk to plants.

COMPATIBILITY

Mixing [P-FYT]/[this product] with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. [P-FYT]/[this product] is a slightly acidic buffer solution. Avoid mixing with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility. Do not apply on a large scale without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with P-FYT before use.

To determine the compatibility of [P-FYT/ / [this product] with other materials, use a jar compatibility test. Add the appropriate amount of water to a clean container then add the correct proportions of each product. Mix thoroughly, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

To determine if a mixture is phytotoxic, combine other materials with this product using the desired tank mix ratios. Apply to a small area of turf, foliage, and/or fruit and evaluate for 3 – 7 days for visual symptoms before applying to a large area.

CHEMIGATION

APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

This product may be applied using microjet, drip, solid set and center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

PREPARATION OF INJECTION EQUIPMENT: Clean chemical tank and injector system by removing scale, pesticide residues and other foreign matter. Flush with clean water.

APPLICATION INSTRUCTIONS: Fill tank with 1/2 -3/4 of targeted amount of water. Start agitation then add the required amount of [P-FYT]/[this product], followed by the remaining amount of water. Set sprinkler system to deliver 0.1 to 0.3 inch of water/ acre. Start sprinkler system and uniformly inject the solution of [P-FYT]/[this product] into the irrigation water line so as to deliver the targeted rate per acre. Inject the solution with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. For other questions about calibration, contact State Extension Service specialists, equipment manufacturers, your [Harrell's]/[company] representative, or other experts.

NOTE: For Microjet and Drip Irrigation Systems: Delay irrigation of the treated area for 24 to 48 hours after treatment. For Solid Set and Center Pivot Irrigation Systems: Delay irrigation of the treated area until after the foliage has completely dried. This will help prevent washing the chemical off of the foliage..

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally dosed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to maintain a uniform solution. Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution, or if distribution lines must be dismantled or drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of chemigation water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut down and adjust the system as needed.

Do not connect an irrigation system (including greenhouse system) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

RESISTANCE MANAGEMENT

For resistance management, P-FYT contains a Group P07 fungicide/bactericide. Any fungal/bacterial population may contain individuals naturally resistant to this product and other Group P07 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of (name of product) or other Group (mode of action group number) fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.

- Use tank mixtures with fungicide/bactericides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide/bactericide use that includes scouting, information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact your [Harrell's]/[company representative] or call Harrell's, LLC (800) 282-8007. You can also contact your pesticide distributor or university extension specialist to report resistance.

GENERAL INSTRUCTIONS FOR APPLICATIONS FOOD CROPS

[P-FYT]/[This product] is a fungicide used for control of Downy Mildew, Powdery Mildew, Erwinia amylovora, Pythium, Fusarium, Rhizoctonia and Phytophthora disease (such as purple blotch, late blight, blue mold, soft rot, root rot, brown rot, foot rot, crown/collar rot, canker, fruit/foliar rot, fire blight, heart rot, pink rot, pythium leak, red stele, leather rot, etc.) of agronomic crops. (See specific crop groupings for additional diseases.) This product may be applied up to the day of harvest.

P-FYT can be applied to plants including:

Berry Crops: Blackberry (including bingberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Himalayaberry, hullberry, Lavacaberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenom- enalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these), Blueberry, Cane Berries, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Raspberry (black and red) and Strawberry.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest labeled rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days.

Rhizoctonia†		1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Brassica: Broccoli (all types), Brussels sprouts, Cabbage (all types), Cauliflower, Cavolo broccoli, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach and Rape greens.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days.

Rhizoctonia†		1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/ gallon of water. (2.5 liters/1000 liters of water)	Apply as pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Cereal Grains, Forage and Fiber Crops: Alfalfa, Barley, Buckwheat, Canola, Clover (all types), Corn (all types), Cotton, Hay, Kudzu, Lespedeza, Lupin, Millet, Oats, Popcorn, Rice, Rye, Safflower, Sainfoin, Sorghum, Sunflower, Teosinte, Trefoil, Triticale, Vetch, Wheat and Wild rice.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium†	Foliar or	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at

Rhizoctonia†	Aerial Application	1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Citrus Crops (Bearing and Non-Bearing) including Avocado: Avocado, Calamondin, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (all types), Pomelo, and Satsuma mandarin.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre.	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week

		(3 to 8 liters in a minimum of 100 liters of water/hectare.)	intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew	Foliar or Aerial Application	1 to 3 quarts in a minimum of 100 gallons of water/acre. (5 to 7 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Cucurbit Crops: Chayote, Chinese wax gourd, Citron melon, Cucumber (all types), Gherkin, Gourd, Muskmelon, Pumpkin, Squash (summer and winter) and Watermelon.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora	Foliar	1 to 3 quarts in 100 gallons of	**Disease Prevention Program*:**

Pythium Fusarium† Rhizoctonia†	or Aerial Application	water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Herbs and Spices Crops: Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Burnet, Camomile, Caper buds, Caraway, Cardamom, Cassia bark and buds, Catnip, Celery seed, Chervil, Chive, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cilantro, Cumin, Curry, Dill, Fennel, Fenugreek, Grains of paradise, Hops, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mint, Mustard, Nasturtium, Nutmeg, Pars- ley, Pennyroyal, Pepper, Poppy seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless

instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Legume Vegetables Crops: Bean (all types), broad bean (fava bean), Chickpea (garbanzo bean), Guar, Jack bean, Lablab bean, Lentil, Pea (all types), Peanut, Pigeon pea, Soybean and Sword bean.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless

instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia† Early and Late Leaf Spot on Peanut† *(Cercospora arachidicola and Cercosporidium personatum)*	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Pome Fruits Crops (Bearing and Non-Bearing) including Papaya: Apple, Crabapple, Loquat, Mayhaw, Papaya, Pear, and Quince.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless

instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia† Fire Blight† *(Erwinia amylovora)*	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (5 to 7 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Stone Fruit Crops including Olives: Apricot, Cherry, Nectarine, Olive, Peach, Plum, Plumcot and Prune.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If

more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Tree Nut Crops including Grapes and Vines: Almond, Beech nut, Palm, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Grapes (all types), Raisins, Hickory nut, Kiwi, Macadamia nut, Pecan, Pistachio and Walnut.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 7 liters in a minimum of	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

		1000 liters/hectare.)	

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Vegetable Crops Including Miscellaneous Food Crops: (Leafy, Root and Tuber) Amaranth (Chinese spinach, Tampala, etc.) Arracacha, Arugula, Arrowroot, Artichoke (all types), Asparagus, Beet (all types), Burdock, Canna, Cardoon, Carrot, Cassava, Celeriac, Celery, Chayote, Chervil (turnip-rooted), Chicory, Chilies, Chrysanthemum (edible), Chufa, Cinchoca, Coconut, Coffee, Corn (all types), Cress (all types), Dandelion, Dasheen, Dock, Eggplant, Endive, Fennel, Garlic, Ginger, Ginseng, Horseradish, Leren, Lettuce (all types), Okra, Onion, Orach, Parsley, Parsnip, Peppers (all types), Pineapple, Purslane, Potato (all types), Radicchio, Radish (all types), Rhubarb, Rutabaga, Salsify (all types), Skirret, Spinach (all types), Sugar Beet, Sugarcane, Sweet Potato, Swiss Chard, Tanier, Tobacco, Tomato, Turmeric, Turnip, Yam (all types).

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounce/ gallon of water. (5 liters/1000 liters of water)	Apply as pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

Vegetable Crops Including Miscellaneous Food Crops *(cont.)*

Disease	Application Method	Rate	Application Program
Treatment of potato vines for Pink Rot *(Phytophthora erythroseptica)* Late Blight *(Phytophthora infestans)*	Foliar or Aerial Application	3 to 5 quarts in 100 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters of water/hectare) 3 to 5 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Post-harvest treatment of potatoes for Pink Rot† *(Phytophthora erythroseptica)* Late Blight† *(Phytophthora infestans)*	Spray, rinse or injected into humidification water prior to or during storage.	Dilute P-PHYT at 1:20 ratio with application water. (5.3-10.5 fluid ounces/ 0.5 gallon of water / ton of tubers). (100 to 200 milliliter/liter of water)	Inject concentrate into water used in humidification or process water used for post-harvest storage, rinses and associated tanks, flumes and lines.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

ORNAMENTALS

[P-FYT]/[This] fungicide is used for control of Pythium, Downy Mildew, Powdery Mildew, Phytophthora and various other diseases of ORNAMENTALS grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. [P-FYT]/[This product] may be applied to all ornamental and landscape plants including (but not limited to): Aglaonema, Aphelandra, Arborvitae, Ash, Azaleas, Bougainvilleas, Boxwood, Bushes, Cattleya skinneri, Cedars, Ceanothus, Cotoneaster, Cissus, Dieffenbachia, Dogwood, Ferns, Ficus, Flowering Trees, Hibiscus, Hardwood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Redwoods, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Shrubs, Spathiphyllum, Sycamore, Taxus media, Zygocactus.

Apply [P-FYT]/[this product] prior to disease development in conjunction with good cultural practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or under heat or moisture stress. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia† Fire Blight† *(Erwinia amylovora)*	Foliar	1 to 2 quarts/100 gallons water or 1/3 fluid ounce to 2/3 fluid ounce/gallon of water. (2.5 to 5 liters/1000 liters water)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Dip transplants into diluted solution. Thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1 to 2 minutes.
	Soil Drench	12-24 fluid ounce/100 gallon of water or 1/8 to 1/4 fluid ounce per gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 1-2 quarts /100 gallons of water. (2.5 – 5 liters/1000 liters of water) Drip: 1-2 quarts /100 gallons of water. (2.5 – 5 liters/1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar	1 to 2 quarts/100 gallons water (1/3 fluid ounce to 2/3 fluid ounce/gallon of water) (2.5 to 5 liters/1000 liters of water)	Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply more than 6 times per crop cycle or year.

			Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS, LANDSCAPES AND PARKS (INCLUDING CHRISTMAS TREES, OAKS and PINES)

[P-FYT]/[This product] applied in conjunction with good cultural management practices will control Phytophthora root rot of conifers including (but not limited to): Douglas Fir, spruce and pines also other Phytophthora disease of Oaks (Sudden Oak Death) and forest trees. Use the higher rates when disease pressure is severe. Do not apply to trees that are under heat or moisture stress.

Disease	Application Method	Rate	Application Program
Phytophthora	Foliar	1 to 2 quarts/100 gallon of water/acre (2.5 to 5 liters/1000 liters water/hectare) or 1/3 fluid ounce to 2/3 fluid ounce/gallon of water. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed.	**Disease Prevention Program***: Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program**: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply P-PHYT at intervals less than 3 days.
	Soil Drench	12-24 fluid ounce/100 gallons of water or 1/8 to ¼ fluid ounce/ gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons / linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications.
	Root Dip	2 quarts/100 gallons of water (2/3 fluid ounce/ gallon of water) 5 liters/ 1000 liters of water	Apply as a pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.

* Check with your local Extension Agent if you are unsure these conditions exist.

Do not graze livestock in treated conifer nurseries and/or plantations. Do not feed forage to livestock from treated nurseries and/or plantations.

TURF
(INCLUDES APPLICATIONS TO RESIDENTIAL AND COMMERCIAL LAWNS BY COMMERCIAL APPLICATORS)

[P-FYT]/[This product] is a systemic fungicide, which is used for the control of Pythium blight, Summer Complex (Bermuda and others), Dollar Spot, Grey Leaf Spot, Brown Patch, Anthracnose and damping-off diseases to turf grasses on sod farms and lawns, commercial turf production, golf courses (including tees and greens), parks and commercial landscapes. Begin preventative applications when conditions first favor disease and repeat at recommended intervals. Use higher rates under severe disease conditions.

ase	Application Method	Rate	Application Program
Pythium (Yellow Turf) Rhizoctonia† Sclerotinia† Helminthosporium† Alternaria† Anthracnose† *(Colletotrichum graminicola)*	Foliar	1 to 5ounces/1,000 square feet. (50-100 milliliters/100 square meters) or 1 to 3 quarts/100 gallons of water/acre. (3 to 8 liters/1000 liters of water/hectare)	Mix in 1 – 2 gal of water and apply to 1,000 sq. ft. Apply at 7 to 21-day intervals as needed. For sod farms and large areas: Apply diluted solution to thoroughly wet foliage. Apply at 7-21 day intervals and repeat as needed.
	Irrigation	Overhead: 2-3 quarts/acre (5 – 7 liters/hectare in at least 100 gallons of water. (1000 liters) of water.	Apply at 7 – 10 day intervals with normal irrigation schedule. Repeat as needed.

* Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.

† Except California

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

Pesticide Storage: Store in a dry, cool place.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling (5 gallons or less)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and localauthorities.

Container Handling (greater than 5 gallons)

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONTAINERS ARE NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Refillable Bulk Containers

Refillable Container. Container handling instructions are not required. Cleaning before refilling is the responsibility of the refiller.

Note: Fertilizer Guaranteed Analysis Section is optional

[Fertilizer] [0-0-30]
Guaranteed Analysis
Soluble Potash (K_2O)..... 30.0%
Derived from: Potassium Phosphite
[Florida License No.] F352
[Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html]
[Information on the components of this product may be obtained by writing Harrell's, LLC at the address below/on this label]

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Harrell's LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HARRELL'S LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Harrell's LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HARRELL'S LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT HARRELL'S LLC'S ELECTION, THE REPLACEMENT OF PRODUCT.

Manufactured By/Manufactured For/Packed For/Sold By/:

Harrell's, LLC
P.O. BOX 807
Lakeland, FL 33802

SUBLABEL B – COMMERCIAL PRODUCTS: FOR COMMERCIAL APPLICATORS

POTASSIUM PHOSPHITE	GROUP	P07	FUNGICIDE

P-FYT

SYSTEMIC FUNGICIDE

[Alternate Brand Names: Title Phyte, Title Phyte Fungicide, Title Phyte Systemic Fungicide, Harrell's ProtectMAX™ Phosphite Fungicide]

[Batch/Lot Number] [SKU Number]

A FUNGICIDE FOR THE CONTROL OF DOWNY MILDEW, PHYTOPHTHORA, PYTHIUM AND VARIOUS OTHER DISEASES ON GREENHOUSE CROPS, INDOOR AND OUTDOOR ORNAMENTALS, BEDDING PLANTS, TURF, FORESTRY APPLICATIONS AND DOMESTIC TREES, INCLUDING CONIFERS, PINES, OAKS.

ACTIVE INGREDIENTS:

Mono- and di-Potassium Phosphite*	50.6%
OTHER INGREDIENTS:	49.4%
TOTAL	100.0%

***Contains 6.93 lbs./gallon of the active ingredient, Potassium Phosphite. Equivalent to 4.71 lbs. Phosphorous Acid/gallon.

EPA Reg. No. 52287- EPA Est. No. 52287-AL-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

[See inside booklet] / [Read back panel] / [Read entire label] for [First Aid] [and] additional precautionary statements.

For **MEDICAL** Emergencies Call 24 Hours a Day 1-800-282-8007
For **TRANSPORTATION** Emergencies Call 24 Hours a Day 1-800-424-9300
For **PRODUCT USE** Information call 1-800-282-8007 (8 am – 5 pm Eastern)

NET CONTENTS: 2.5 gal. (9.46 liters, 30 gal (113.52 liters), 250 gal (946 liters), Bulk Containers

FIRST AID

If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
If on skin	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center, or doctor, or going for treatment. You may also call 1-800-282-8007 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

[SHAKE] / [AGITATE] / [MIX] WELL BEFORE USE

Do not apply this product in a way that will contact workers or other person, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard. 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, and nurseries, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is: coveralls over long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

GENERAL APPLICATION INSTRUCTIONS

Apply [P-FYT]/[this product] by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply with sufficient water for adequate coverage of foliage, according to crop and growth stage. To ensure good coverage, spray to wet.

1. MIXING INSTRUCTIONS
2. Fill the spray tank with 1/2 of the required volume of water.
3. Add [P-FYT]/[this product] slowly to the tank and agitate by hydraulic or mechanical means.
4. Continue to fill the tank with water to the desired volume while agitating.
5. Continue agitation when applying.

For 1-gallon (3.785 liters) containers: the contents will treat up to 34,848 sq. ft. at the maximum rate. For 2 1/2 gallons (9.463 liters) containers: The contents will treat up to 2 acres at the maximum rate. For 5 gallons (18.925 liters) containers: the contents will treat up to 4 acres at the maximum rate.

LOW VOLUME AND ULTRA-LOW VOLUME APPLICATIONS

Labeled rates are for use with conventional application equipment. For LV/ULV equipment, follow use directions for the per acre rate and adjust the amount of water to equipment needs. Always conduct a phytotoxicity test on a small area before applying to a large area in order to asses any potential risk to plants.

COMPATIBILITY

Mixing [P-FYT]/[this product] with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. [P-FYT]/[this product] is a slightly acidic buffer solution. Avoid mixing with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility. Do not apply on a large scale without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with P-FYT before use.

To determine the compatibility of [P-FYT/ / [this product] with other materials, use a jar compatibility test. Add the appropriate amount of water to a clean container then add the correct proportions of each product. Mix thoroughly, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

To determine if a mixture is phytotoxic, combine other materials with this product using the desired tank mix ratios. Apply to a small area of turf, foliage, and/or fruit and evaluate for 3 – 7 days for visual symptoms before applying to a large area.

CHEMIGATION

APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

This product may be applied using microjet, drip, solid set and center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

PREPARATION OF INJECTION EQUIPMENT: Clean chemical tank and injector system by removing scale, pesticide residues and other foreign matter. Flush with clean water.

APPLICATION INSTRUCTIONS: Fill tank with 1/2 -3/4 of targeted amount of water. Start agitation then add the required amount of [P-FYT]/[this product], followed by the remaining amount of water. Set sprinkler system to deliver 0.1 to 0.3 inch of water/ acre. Start sprinkler system and uniformly inject the solution of [P-FYT]/[this product] into the irrigation water line so as to deliver the targeted rate per acre. Inject the solution with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. For other questions about calibration, contact State Extension Service specialists, equipment manufacturers, your [Harrell's]/[company] representative, or other experts.

NOTE: For Microjet and Drip Irrigation Systems: Delay irrigation of the treated area for 24 to 48 hours after treatment. For Solid Set and Center Pivot Irrigation Systems: Delay irrigation of the treated area until after the foliage has completely dried. This will help prevent washing the chemical off of the foliage..

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection

pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally dosed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to maintain a uniform solution. Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution, or if distribution lines must be dismantled or drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of chemigation water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut down and adjust the system as needed.

Do not connect an irrigation system (including greenhouse system) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

RESISTANCE MANAGEMENT

For resistance management, P-FYT contains a Group P07 fungicide/bactericide. Any fungal/bacterial population may contain individuals naturally resistant to this product and other Group P07 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of (name of product) or other Group (mode of action group number) fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide/bactericide use that includes scouting, information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact your [Harrell's]/[company representative] or call Harrell's, LLC (800) 282-8007. You can also contact your pesticide distributor or university extension specialist to report resistance.

ORNAMENTALS

[P-FYT]/[This] fungicide is used for control of Pythium, Downy Mildew, Powdery Mildew, Phytophthora and various other diseases of ORNAMENTALS grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. [P-FYT]/[This product] may be applied to all ornamental and landscape plants including (but not limited to): Aglaonema, Aphelandra, Arborvitae, Ash, Azaleas, Bougainvilleas, Boxwood, Bushes, Cattleya skinneri, Cedars, Ceanothus, Cotoneaster, Cissus, Dieffenbachia, Dogwood, Ferns, Ficus, Flowering Trees, Hibiscus, Hardwood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Redwoods, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Shrubs, Spathiphyllum, Sycamore, Taxus media, Zygocactus.

Apply [P-FYT]/[this product] prior to disease development in conjunction with good cultural practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or under heat or moisture stress. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia† Fire Blight† *(Erwinia amylovora)*	Foliar	1 to 2 quarts/100 gallons water or 1/3 fluid ounce to 2/3 fluid ounce/gallon of water. (2.5 to 5 liters/1000 liters water)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Dip transplants into diluted solution. Thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1 to 2 minutes.
	Soil Drench	12-24 fluid ounce/100 gallon of water or 1/8 to 1/4 fluid ounce per gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 1-2 quarts /100 gallons of water. (2.5 – 5	Apply with normal irrigation schedule. Follow Disease

		liters/1000 liters of water) Drip: 1-2 quarts /100 gallons of water. (2.5 – 5 liters/1000 liters of water)	Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar	1 to 2 quarts/100 gallons water (1/3 fluid ounce to 2/3 fluid ounce/gallon of water) (2.5 to 5 liters/1000 liters of water)	Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply more than 6 times per crop cycle or year. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.

† Except California

CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS, LANDSCAPES AND PARKS (INCLUDING CHRISTMAS TREES, OAKS and PINES)

[P-FYT]/[This product] applied in conjunction with good cultural management practices will control Phytophthora root rot of conifers including (but not limited to): Douglas Fir, spruce and pines also other Phytophthora disease of Oaks (Sudden Oak Death) and forest trees. Use the higher rates when disease pressure is severe. Do not apply to trees that are under heat or moisture stress.

Disease	Application Method	Rate	Application Program
Phytophthora	Foliar	1 to 2 quarts/100 gallon of water/acre (2.5 to 5 liters/1000 liters water/hectare) or 1/3 fluid ounce to 2/3 fluid ounce/gallon of water. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed.	**Disease Prevention Program***: Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program**: Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply P-PHYT at intervals less than 3 days.
	Soil Drench	12-24 fluid ounce/100 gallons of water or 1/8 to ¼ fluid ounce/ gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons / linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific

		milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	applications.
	Root Dip	2 quarts/100 gallons of water (2/3 fluid ounce/ gallon of water) 5 liters/ 1000 liters of water	Apply as a pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.

* Check with your local Extension Agent if you are unsure these conditions exist.

Do not graze livestock in treated conifer nurseries and/or plantations. Do not feed forage to livestock from treated nurseries and/or plantations.

TURF
(INCLUDES APPLICATIONS TO RESIDENTIAL AND COMMERCIAL LAWNS BY COMMERCIAL APPLICATORS)

[P-FYT]/[This product] is a systemic fungicide, which is used for the control of Pythium blight, Summer Complex (Bermuda and others), Dollar Spot, Grey Leaf Spot, Brown Patch, Anthracnose and damping-off diseases to turf grasses on sod farms and lawns, commercial turf production, golf courses (including tees and greens), parks and commercial landscapes. Begin preventative applications when conditions first favor disease and repeat at recommended intervals. Use higher rates under severe disease conditions.

ase	Application Method	Rate	Application Program
Pythium (Yellow Turf) Rhizoctonia† Sclerotinia† Helminthosporium† Alternaria† Anthracnose† *(Colletotrichum graminicola)*	Foliar	1 to 5ounces/1,000 square feet. (50-100 milliliters/100 square meters) or 1 to 3 quarts/100 gallons of water/acre. (3 to 8 liters/1000 liters of water/hectare)	Mix in 1 – 2 gal of water and apply to 1,000 sq. ft. Apply at 7 to 21-day intervals as needed. For sod farms and large areas: Apply diluted solution to thoroughly wet foliage. Apply at 7-21 day intervals and repeat as needed.
	Irrigation	Overhead: 2-3 quarts/acre (5 – 7 liters/hectare in at least 100 gallons of water. (1000 liters) of water.	Apply at 7 – 10 day intervals with normal irrigation schedule. Repeat as needed.

* Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.
† Except California

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
Pesticide Storage: Store in a dry, cool place.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling (5 gallons or less)
Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)
Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and localauthorities.

Container Handling (greater than 5 gallons)
Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONTAINERS ARE NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Refillable Bulk Containers

Refillable Container. Container handling instructions are not required. Cleaning before refilling is the responsibility of the refiller.

Note: Fertilizer Guaranteed Analysis Section is optional

[Fertilizer] [0-0-30]
Guaranteed Analysis
Soluble Potash (K_2O)..... 30.0%
Derived from: Potassium Phosphite
[Florida License No.][F352]
[Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html]
[Information on the components of this product may be obtained by writing Harrell's, LLC at the address below/on this label]

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Harrell's LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HARRELL'S LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Harrell's LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HARRELL'S LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT HARRELL'S LLC'S ELECTION, THE REPLACEMENT OF PRODUCT.

Manufactured By/Manufactured For/Packed For/Sold By/and Guaranteed By:

Harrell's, LLC
P.O. BOX 807
Lakeland, FL 33802

OPTIONAL MARKETING CLAIMS AND LOGO'S

(Note: The following logos and/or claims may or may not be used on the FPL)

COMPANY SPECIFIC INFORMATION

(Harrell's Corporate Logo)



Growing a Better World® is a registered trademark of Harrell's, LLC

Harrell's SPRAYMAX® is a registered trademark of Harrell's, LLC

TITLE PHYTE® is a registered trademark of Harrell's, LLC

Harrell's ProtectMAX™ is a trademark of Harrell's, LLC

(Harrell's "H" Logo)



Contact us/ For more information

[call] 800.282.8007

[or] [visit us at] [www.harrells.com]

[or] use the QR code to visit Harrell's website

[Insert] QR Code Image ***(Note to PM: If QR code is used, the link will be to the company website home page)***

Harrell's label identifier format: [EPA Reg No.ProductName.label revision date (yyyymmdd)]

Fertilizer Claims

Contains Potassium
Contains 30% Soluble Potash (K_2O) [0-0-30]
Potassium [in P-FYT] /[in this product] can be used to supplement a well-balanced fertilizer program
[Fertilizer Grade] [0-0-30]

EarthMAX® Organic
Foliar & Soil Additive

Harrell's Bio-MAX®
LIQUID FOLIAR & SOIL ADDITIVES

CONTAINS NON-PLANT FOOD INGREDIENT(S):
SOIL AMENDING GUARANTEED ANALYSIS
ACTIVE INGREDIENTS

1.0% Humic Acid derived from Humus
22.0% Carbon derived from Humus

Purpose: May increase micronutrient uptake

INERT INGREDIENTS

77.0% Total Other Ingredients

F352

PRECAUTIONS

- Avoid getting in eyes or on skin. Use safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product.
- Do not contaminate water during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Rinse mouth. Do NOT induce vomiting. Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

OMRI LISTED®
For Organic Use

NET CONTENTS

☐ 250 gallons (946 liters)

☐ 30 gallons (113.52 liters)

☐ 2.5 gallons (9.46 liters)
Weight per gallon: 8.40 lbs. @ 68° F

880062O-2.5 880062O-30 880062O-250 06/20

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**

EarthMAX® Organic
Foliar & Soil Additive

Harrell's EarthMAX® Organic Foliar and Soil Additive is intended for use on trees, shrubs, grass, vegetables, flowers, and crops. Applying this product to in-ground and container plants may aid in micronutrient uptake and increase water retention.

DIRECTIONS FOR USE

Shake or agitate container before use. This product may be mixed with liquid fertilizers. Dilute with water before mixing. Fill the spray tank to half full with water, turn on agitation, then add EarthMAX® Organic Foliar & Soil Additive. If desired, add liquid fertilizers then complete filling tank.

Agitation is recommended during application. A jar compatibility test should be performed on unknown combinations prior to mixing and application. Apply in sufficient water to ensure thorough coverage. Apply irrigation within 18 hours after application.

Apply this product and any fertilizer used in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

RECOMMENDED RATES

Turf – Foliar Applications: Apply 2 – 4 oz. per 1,000 sq. ft. every 7 – 14 days.

Turf – Soil Applications and Remediation of Severely Stressed Turf: Apply 3 – 12 oz. per 1,000 sq. ft.

Turf – Hydroseeding Applications: Apply a 1% solution every week until turf is established. Then, apply every 7 - 14 days.

Turf – Sod Applications: Apply a 2% solution every week until turf is established. Then, apply every 7 - 14 days.

Ornamentals – Plants and Shrubs Application: For large developed ornamentals, apply as a root drench with a dilution rate of 4 oz. per gallon of water every 2 – 4 weeks. Do not apply if temperature falls below 50° F.

Ornamentals – For Smaller Tender Ornamentals: Use a dilution rate of 2 oz. per gallon of water every 2 – 4 weeks. Do not apply if temperature falls below 50° F. For stressed ornamentals, apply at a rate of 12 oz. per 1000 square feet every 2 – 4 weeks. Do not apply if temperature falls below 50° F.

Agriculture Crops: Apply 0.5-1.5 gallons per 100 gallons. Repeat every 2 – 4 weeks as necessary. Apply in sufficient water to ensure thorough coverage. Do not apply if temperature falls below 50° F.

STORAGE AND CONTAINER DISPOSAL

Store above 42°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within Thirty(30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html

Information on the components of this product may be obtained by writing Harrell's, LLC at the address below.

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**

880062O-2.5 880062O-30 880062O-250 06/20

Manganese
5.0%

Harrell'sMAX®
LIQUID FOLIAR NUTRITIONALS

GUARANTEED ANALYSIS

Manganese (Mn) 5.00%
5.00% Complexed Manganese (Mn)

Derived from: Manganese glucoheptonate

F352

KEEP OUT OF REACH OF CHILDREN

WARNING

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY



PRECAUTIONS

- Avoid getting in eyes or on skin. The use of safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product is recommended.
- Causes skin irritation.
- Do not contaminate water during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS

☐ 250 gallons (946 liters)

☐ 30 gallons (113.52 liters)

☐ 2.5 gallons (9.85 liters)

Weight per gallon: 9.46 lbs. @ 68° F

#200225 08/21

Harrell's Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**

Manganese
5.0%

Harrell's MAX® Manganese 5% is a liquid foliar formulation designed to help correct and prevent manganese deficiencies on turf and ornamentals. A jar test to check the compatibilities of new or unfamiliar combinations should be performed prior to mixing and application.

DIRECTIONS FOR USE

Harrell's MAX® Manganese 5% should be applied at regular intervals at the rate of 1 ounce per 1,000 square feet. This will provide 0.07 lbs. of complexed manganese per 1,000 square feet. Apply in sufficient water to ensure thorough coverage.

Apply fertilizer in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

RECOMMENDED RATES

Turf (Greens and Tees): Apply 2 – 4 oz. per 1,000 sq. ft.

Fairways, Athletic Fields & Sod: Apply 2 – 4 quarts per acre.

Trees & Ornamentals: 1 – 2 qts per 100 gals. Drench only and thoroughly rinse this product from leaf tissue. For small applications, mix 1 oz. per gallon of water and wet thoroughly.

Agriculture Crops: Apply 0.5-1.5 gallons per 100 gallons. Repeat every 2 – 4 weeks as necessary. Apply in sufficient water to ensure thorough coverage.

STORAGE AND CONTAINER DISPOSAL

Store above 32°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html

Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area

Information on the components of this fertilizer may be obtained by writing Harrell's, LLC at the address below.

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007**
Formulated in the USA

#200225 08/21

12-0-0
6% Fe & 3% Mn with UMAXX®

Harrell'sMAX®
LIQUID FOLIAR NUTRITIONALS

GUARANTEED ANALYSIS

Total Nitrogen (N)*..... 12.00%
12.0% Urea Nitrogen
Iron (Fe).....6.00%
6.0% Chelated Iron (Fe)
Manganese (Mn).....3.00%
3.0% Chelated Manganese (Mn)

Derived from: Urea, Manganese Citrate, and Iron Citrate.

**All nitrogen in this product stabilized with dicyanodiamide and N-(n-butyl)-thiophosphoric triamide.*

F352

PRECAUTIONS

- Avoid getting in eyes or on skin. The use of safety glasses with side shields (or goggles) and water repellent, chemical resistant gloves when handling this product is recommended.
- Do not contaminate food, feed, seed or water supplies during application or when cleaning equipment.

IN CASE OF SPILL OR MEDICAL EMERGENCY, CONTACT CHEMTREC 1-800-424-9300.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Read entire label for additional precautionary statements and use directions.

FOR PROFESSIONAL USE ONLY



FIRST AID

If on Skin: Wash with soap and water. Consult a physician if any irritation persists

If in Eyes: Rinse with clean water for 15 minutes. Remove contact lenses after the first 5 minutes and continue to rinse. Seek medical attention if irritation persists.

If Ingested: Call 911 or a physician for treatment advice.

Have the product label with you when calling a doctor or going for treatment.

NET CONTENTS

☐ 250 gallons (946 liters)

☐ 30 gallons (113.52 liters)

☐ 2.5 gallons (9.46 liters)
Weight per gallon: 11.76 lbs. @ 68° F

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | *Harrells.com*

12-0-0
6% Fe & 3% Mn with UMAXX®

Harrell's MAX® 12-0-0 is a liquid fertilizer that contains an economical combination of chelated iron and manganese and a stabilized source of nitrogen from UMAXX® to help promote dark green color in plants.

DIRECTIONS FOR USE

Application rates should be based on tissue or petiole analysis. On plants with waxy leaf surfaces, 12 ounces (355 ml) of a non-toxic wetting agent per 100 gallons (380 L) of finished spray will aid leaf penetration. Add Harrell's MAX® 12-0-0 to half of the water, then agitate while adding remaining water. Add urea or other fertilizers. Add herbicides last while continuing to agitate tank contents. Spray solution as soon as possible. Harrell's MAX® 12-0-0 tank mixes are generally stable: however, agitate prior to spraying if mix has been standing for over 24 hours. Apply in sufficient water to ensure thorough coverage.

Apply fertilizer in accordance with best management practices established by your State University or Cooperative Extension Service. Observe any State or Local fertilizer regulations pertaining to fertilizer content, application rates, or timing of application specific to your locale.

RECOMMENDED RATES

Turf (Greens & Tees): 3-10 fl. oz. per 1,000 sq .ft. (0.03 - 0.10 lb of N per 1,000 sq. ft.) as necessary.

Fairways & Other Turf: Apply 3 - 24 oz. per 1,000 sq. ft. (0.03 - 0.25 lb of N per 1,000 sq. ft.) as necessary. Use sufficient water for good coverage.

Trees & Ornamentals: 1 – 2 qts per 100 gal of water.

STORAGE AND CONTAINER DISPOSAL

Store above 32°F. Store this product in a dry place, in original container only. Keep lid tightly closed. Keep away from open flame or intense heat. Triple rinse container and offer for recycling or dispose of in accordance with federal, state and local authorities.

CONDITIONS OF SALE

Seller warrants that products will be labeled as required under state and federal laws and that they conform to the label description. Any non-conformance must be reported in writing to Seller within thirty (30) days after purchase as a prerequisite to maintaining any claim against Seller. Buyer agrees to inspect all products purchased immediately upon delivery. The seller's liability under this warranty is in lieu of all other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond this statement.

UMAXX® is a registered trademark of KOCH Agronomic Services, LLC.

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.

Information on the components of this fertilizer may be obtained by writing Harrell's, LLC at the address below.

Harrell's Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | **(800) 282-8007** | *Harrells.com*

11/15

MEFENOXAM | GROUP 4 | FUNGICIDE

Subdue Maxx®

syngenta.

Fungicide

For control of diseases on ornamental plants; ornamental bulb, corm, and tuber plants; conifers and conifer nurseries; Christmas trees and Christmas tree plantations; forest plantations; forest nurseries; and non-bearing citrus trees and fruit and nut plants grown in greenhouses and nurseries (including field- and container-grown plants grown outdoors and in shade houses, lath houses and other production sites and structures), retail nurseries, residential and commercial landscapes, and interior plantscape ornamentals

For control of disease of vegetable transplants grown for retail sale to consumers

For control of diseases on turf

Active Ingredient:	
Mefenoxam*:	22.0%
Other Ingredients:	78.0%
Total:	100.0%

*CAS No. 70630-17-0 and 69516-34-3

Subdue MAXX® is formulated as a soluble liquid and contains 2 lb mefenoxam per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-796 EPA Est. 39578-TX-1

Product of Switzerland
Formulated in the USA

SCP 796B-L2M 0919

1 gallon

Net Contents

syngenta®

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FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372	

CHIPCO® 26019 *FLO*

brand FUNGICIDE

A Fungicide for the Prevention and Control of Certain Diseases of Turfgrass and Ornamentals.

ACTIVE INGREDIENT:	
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide*	23.3%*
OTHER INGREDIENTS:	76.7%
TOTAL:	100.0%

This product contains petroleum distillate.
***Equivalent to 2 pounds Iprodione per gallon.**

EPA Reg. No. 432-888

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Booklet for Complete Precautionary Statements and Directions for Use.

For MEDICAL And TRANSPORTATION Emergencies ONLY
Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-800-331-2867

FIRST AID	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
If in eyes:	• Hold eyes open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical emergency for additional information call toll free 1-800-334-7577. **Note to Physician:** This product may pose an aspiration pneumonia hazard. Contains petroleum distillates.	

Net Contents
2.5 Gallons
04251007
61380149C 161031AV2

QUALI-PRO

Ipro 2

A FUNGICIDE

FOR THE PREVENTION AND CONTROL OF CERTAIN DISEASES OF TURFGRASS AND ORNAMENTALS

ACTIVE INGREDIENT:	% BY WT.
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide)*	23.0%
OTHER INGREDIENTS:	77.0%
TOTAL:	100.0%

*Equivalent to 2 pounds Iprodione per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 53883-380
EPA Est. No. 53883-TX-002

NET CONTENTS: 2.5 GALLONS

Manufactured by:
Control Solutions Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507

0 72693 40030 6

PULL HERE TO OPEN

Banner Maxx® II

syngenta®

Fungicide

Broad spectrum and systemic disease control for turf and ornamentals

Active Ingredient:	
Propiconazole*	14.3%
Other Ingredients:	85.7%
Total:	100.0%

*CAS No. 60207-90-1

Banner MAXX II contains a nominal 1.3 pounds of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1326 EPA Est. 39578-TX-1

Product of Switzerland
Formulated in the USA

SCP 1326A-L1A 0409
4035720

1 gallon
Net Contents

™

FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

continued...

PRECAUTIONARY STATEMENTS *(continued)*

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton®
- Shoes plus socks
- Protective eyewear

User Safety Requirements

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Physical and Chemical Hazards
Do not use or store near heat or open flame.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent consistent with applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent consistent with applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent consistent with applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or Viton®
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

GENERAL INFORMATION

Banner MAXX II is a systemic fungicide for use on turfgrasses for the control of dollar spot (*Sclerotinia homoeocarpa*), brown patch (*Rhizoctonia solani*), anthracnose (*Colletotrichum graminicola*), red thread (*Laetisaria fuciformis*), pink patch (*Limonomyces roseipellis*), rust (*Puccinia graminis*), powdery mildew (*Erysiphe graminis*), stripe smut (*Ustilago striiformis* and *Urocystis agropyri*), summer patch (*Magnaporthe poa*e), necrotic ring spot (*Leptosphaeria korra*e), spring dead spot (*Leptosphaeria korrae, Leptosphaeria narmari, Ophiosphaerella herpotricha, Gaeumannomyces graminis*), take-all patch (*Gaeumannomyces graminis*), leaf spot (*Bipolaris* spp., *Drechslera* spp.), gray leaf spot (*Pyricularia grisea*), pink snowmold (*Microdochium nivale*), Fusarium patch (*Fusarium nivale*), gray snowmold (*Typhula* spp.), yellow patch (*Rhizoctonia cerealis*), and zoysia patch (*Rhizoctonia solani*).

Banner MAXX II also controls numerous diseases on ornamentals and other landscape and nursery plantings. It controls powdery mildews, rusts, leaf spots, scabs, and blights. Refer to the appropriate section for specified diseases and plants.

- Do not apply more than 5.4 gallons of Banner MAXX II/acre/calendar year.
- Do not apply this product through any type of irrigation system.
- Do not use Banner MAXX II as a tree injection.
- Do not use Banner MAXX II in greenhouses.

MIXING INSTRUCTIONS

Fill the spray tank 1/2 - 3/4 full with water. Add the proper amount of Banner MAXX II and then add the rest of the water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If Banner MAXX II is tank mixed with other products, use the following sequence:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of Banner MAXX II, other chemicals to be used, and the water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least 1/2 full of clean water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. This process can be hastened by premixing the product in water before adding to the tank.
5. Add flowables or suspensions next.
6. Add Banner MAXX II next.
7. Add emulsifiable concentrates last.
8. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

Tank Mixes

For broader spectrum control, Banner MAXX II can be tank mixed with other fungicides. For example, Subdue MAXX® may be tank mixed with Banner MAXX II or used alone when conditions are favorable for Pythium blight. Banner MAXX II is also compatible with numerous herbicides and insecticides. Check compatibility before tank mixing. Add Unite® (3 pt/100 gallons) to tank mixes which are incompatible. Follow the directions under **Mixing Instructions** for tank mixes. Observe all directions, precautions, and limitations on labeling of all products used in tank mixes. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

TURFGRASS AND DICHONDRA DISEASE CONTROL

1. USE BANNER MAXX II IN A PREVENTATIVE DISEASE CONTROL PROGRAM.
2. Apply in sufficient water to ensure thorough coverage.
3. Apply after mowing **OR** allow sprayed area to completely dry before mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For control of soil-borne diseases, Banner MAXX II can be watered in after application.
6. Under conditions optimum for high disease pressure, use the higher rate and the shorter interval.
7. For optimum turf quality and disease control, use Banner MAXX II in conjunction with turf management practices that promote good plant health and optimum disease control.
8. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
9. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.
10. Do not apply more than 16 fl oz/1,000 sq ft/calendar year.

IMPORTANT: Bermudagrass can be sensitive to Banner MAXX II. Do not exceed 4 fl oz/1,000 sq ft every 30 days on any variety of bermudagrass. In FL, do not apply Banner MAXX II to bermudagrass golf course greens when temperatures exceed 90°F.

NOTE: Do not graze animals on treated areas. Do not feed clippings from treated areas to livestock or poultry.

Turfgrass - Specific Diseases, Rates, and Application Timing

Disease	fl oz per 1,000 sq ft	fl oz per acre	Application Interval/ Timing	Instructions
Dollar Spot (*Sclerotinia homoeocarpa*)	0.5	22	7 days	Apply when conditions are favorable for disease development.
	0.5	22	14 days	Tank mix with low label rate of one of the following fungicides: Daconil Weather Stik® Daconil Ultrex®
	1	44	21-28 days	Tank mix with low label rate of one of the following fungicides: Daconil Weather Stik Daconil Ultrex Chipco® 26019
	1-2	44-88	14-28 days	If using the 1-2 fl oz/1,000 sq ft rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.
Anthracnose (*Colletotrichum graminicola*)	1-2	44-88	14-28 days	Apply when conditions are favorable for disease development. When disease pressure is high, use higher rates of Banner MAXX II and shorter intervals. For broad spectrum control, tank mix with a registered contact fungicide at the label rate. If disease is present, mix 2 fl oz of Banner MAXX II per 1,000 sq ft with the label rate of the above mentioned contact fungicides.

Disease	fl oz per 1,000 sq ft	fl oz per acre	Application Interval/ Timing	Instructions
Brown Patch *(Rhizoctonia solani)*	1-2	44-88	14-21 days	Begin applications in May or June before disease is present. Tank mix with a registered contact fungicide labeled for brown patch control at the label rate. Under conditions of high temperatures and high humidity, use the higher rates of Banner MAXX II and shorter intervals.
Powdery Mildew *(Erysiphe graminis)* **Rust** *(Puccinia graminis)*	1-2	44-88	14-28 days	Apply when conditions are favorable for disease development. If disease is present, use 2 fl oz of Banner MAXX II per 1,000 sq ft.
Red Thread *(Laetisaria fuciformis)* **Pink Patch** *(Limonomyces roseipellis)*	2	88	14-21 days	Apply when conditions are favorable for disease development.
Stripe Smut *(Ustilago striiformis)* *(Urocystis agropyri)*	1-2	44-88	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.
Gray Leaf Spot *(Pyricularia grisea)*	1-2	44-88	14 days	Apply when conditions are favorable for disease development. If using the 1 fl oz/1,000 sq ft rate, tank mix with a registered contact fungicide at the label rate.

continued...

Turfgrass - Specific Diseases, Rates, and Application Timing *(continued)*

Disease	fl oz per 1,000 sq ft	fl oz per acre	Application Interval/ Timing	Instructions
Melting Out Leaf Spot (*Bipolaris* spp.) (*Drechslera* spp.)	1-2	44-176	14 days	Under light to moderate pressure, apply Banner MAXX II to reduce the severity of leaf spot and melting out. For broad spectrum disease control, tank mix the 1 fl oz Banner MAXX II with a registered contact fungicide at the label rate. Tank mix the 1-2 fl oz/1,000 sq ft Banner MAXX II rate with a registered contact fungicide at the label rates.
Summer Patch Poa Patch *(Magnaporthe poae)*	2 4	88 176	14 days 28 days	Apply Banner MAXX II beginning in April. Use the 4 fl oz/1,000 sq ft rate on a 28-day schedule and the 2 fl oz/1,000 sq ft rate on a 14-day schedule.
Take-All Patch *(Gaeumannomyces graminis)*	2-4	88-176	Spring and Fall	Apply Banner MAXX II to reduce the severity of take-all patch. Make 1-2 fall applications in September and October or when night temperatures drop to 55° F, and 1-2 spring applications in April and May, depending on local recommendations.
Spring Dead Spot *(Leptosphaeria korrae, Leptosphaeria narmari, Ophiosphaerella herpotricha, Gaeumannomyces graminis)*	4	176	30 days	Make 1-3 applications. For one application, apply in September or October. For multiple applications, begin sprays in August.

Disease	fl oz per 1,000 sq ft	fl oz per acre	Application Interval/ Timing	Instructions
Necrotic Ring Spot *(Leptosphaeria korrae)*	4	176	Fall or Spring	Apply in the fall and/or the early spring depending on local recommendations.
Snowmold **Gray** (*Typhula* spp.) **Pink** (*Microdochium nivale*)	2-4	88-176	Late Fall	Apply one application in the late fall before snow cover. Do not apply on top of snow. For optimum disease control, the 2 and 3 fl oz Banner MAXX II rates should be tank mixed with either PCNB or chlorothalonil at label rates.
Fusarium Patch *(Fusarium nivale)*	2-4	88-176	Fall-Early Spring	Apply when conditions are favorable for disease development.
Yellow Patch *(Rhizoctonia cerealis)*	3-4	130-176	Late Fall	Apply one application in the late fall before snow cover. Do not apply on top of snow. If using a 3 fl oz/1,000 sq ft rate, tank mix with a registered contact fungicide at the label rate.
Zoysia Patch, large patch of zoysia *(Rhizoctonia solani)*	3-4	130-176	Early Fall	Make one application in the early fall (mid-September to mid-October) prior to development of disease symptoms. Consult local turfgrass extension experts to determine the optimum application timing for your area.

Dichondra - Specific Disease, Rate, and Application Timing

Disease	fl oz per 1,000 sq ft	fl oz per acre	Application Interval/ Timing	Instructions
Dichondra Rust *(Puccinia dichondrae)*	2	88	14-21 days	Apply when conditions are favorable for disease development.

Establishment of Cool Season Turfgrass

Banner MAXX II provides control of many diseases of turf, and its primary use is as a fungicide for use against the diseases listed on this label. As an additional benefit, Banner MAXX II will improve the rate of establishment when it is applied to cool season grass seedlings or sod.

New Seedlings: Apply 1 fl oz/1,000 sq ft at the 2 to 3-leaf stage of growth for faster root development and top growth.

Sod: Apply 1 fl oz/1,000 sq ft 2-6 weeks before cutting for increased sod knitting and faster establishment after laying.

Disease Control in Nurseries (Field) and Landscape Plantings

1. USE BANNER MAXX II IN A PREVENTATIVE DISEASE CONTROL PROGRAM. To determine the use directions for controlling a disease on an ornamental plant species, select the plant species in Table 1. The number in parentheses following the plant species refers you to the disease(s) controlled in Table 2. Find the disease in Table 2. The letter in brackets following the disease refers you to the application regime in Table 3.
2. Allow spray to dry before overhead irrigation is applied.
3. Optimum benefit of Banner MAXX II is obtained when used in conjunction with sound disease management practices.

General Recommendations

Banner MAXX II may be used at rates of 2-24 fl oz/100 gallons of water for control of diseases of ornamental plant species (see Tables 1, 2, and 3).

NOTE: For outdoor uses, you may apply up to 5.4 gallons of Banner MAXX II/acre/crop/calendar year.

For general disease control in landscapes, apply 6-8 fl oz/100 gallons of water every 21 days. For best control, begin Banner MAXX II applications before disease development.

Note: Plant tolerances to Banner MAXX II have been found acceptable for the specific genera and species of plants listed under the **Directions for Use**. Other plant species may be sensitive to Banner MAXX II, and diseases other than those listed may not be controlled. Before using Banner MAXX II on plants or for diseases that are not listed in the **Directions for Use**, test Banner MAXX II on a small scale basis first. Do not apply Banner MAXX II to African violets, begonias, Boston fern, or geraniums. Apply the recommended rates for a particular type of disease, i.e., rust, powdery mildew, etc., and evaluate for phytotoxicity and disease control prior to widespread use.

Table 1. Ornamentals - Plant Species

Numbers in parentheses refer to diseases controlled. See Table 2.

Herbaceous Ornamental	Woody Ornamental	Non-bearing Fruits and Nuts (Nurseries and Landscape Plantings)
Calendula (4a) Carnation (5f) Chrysanthemum (2a) Delphinium (4a) English Ivy (3e) Gomphrena (3a) Impatiens (3a, 3b, 4a) Iris (5d) Marigold (3a) Monarda (4c) Phlox (4c) Snapdragon (5d) Sweet William (3k) (*Dianthus barbatus*) Zinnia (4c)	Amelanchier (4d) Ash (4c) Azalea (2c, 4b) Bayberry (3n) Camellia (3e) Cotoneaster (3i) Crabapple (3c, 3q, 4c, 5a) Crape Myrtle (4a) Dogwood (3h,4c) Douglas Fir (5b) Elm (4c) Euonymus (3e, 4c) Hawthorn (5a) Holly (3r) Juniper (1a) Lilac (4c) Linden (3e, 3b, 4b) Magnolia (3e, 4b) Maple (3e, 4f) Oaks (3p) Pines (1b,1c) Poplars (5b) Pyracantha (3o) Red Tip Photinia (3i) Rhaphiolepsis (3e, 3i) Rhododendron (2c, 3n) Roses (3g,4e,5c) (Outdoor Use Only) Shasta Fir (5e) Sweetgum (3b, 3c, 3n) Sycamore (3e) Tulip Tree (3e, 4a) Wax Myrtle (3n)	Apple (3q, 4d, 5a) Bartlett Pear (3q, 4c, 5a) Cherry (2b, 3d) Citrus (3m) Nectarine (2b) Peach (2b) Pecan (3b, 3c, 3f, 3l, 3n, 4e) Plum (2b) Walnut (3j)

Table 2. Diseases

Letters in brackets refer to application regimes. See Table 3.

1. Conifer Blights
   a. *Phomopsis juniperovora* (Phomopsis Blight) [B]
   b. *Sirrococcus strobolinus* (Tip Blight) [D]
   c. *Sphaeropsis sapinea* (Diplodia Tip Blight) [B]
2. Flower Blight
   a. *Ascochyta chrysanthemi* (Ray Blight) [C]
   b. *Monilinia* spp. [A]
   c. *Ovulinia* spp. [B]
3. Leaf Blights/Spots
   a. *Alternaria* spp. [B]
   b. *Cercospora* spp. (Brown Leaf Spot) [C]
   c. *Cladosporium* spp. (Scab) [C]
   d. *Coccomyces hiemalis* [A]
   e. *Collectrichum* spp. [B]
   f. *Cristulariella* spp. (Zonate Leaf Spot) [C]
   g. *Diplocarpon rosae* (Blackspot) [B]
   h. *Discula* spp. (Anthracnose) [A]
   i. *Fabraea maculata* (syn. *Entomosporium maculata*) [B]
   j. *Gnomonia leptostyla* (Anthracnose) [C]
   k. *Heterosporium echinulatum* [B]
   l. *Mycosphaerella caryigena* (Downy Spot) [C]
   m. *Mycosphaerella fructicola* (Greasy Spot) [E]
   n. *Septoria* spp. (Leaf Scorch) [C]
   o. *Spilocaea pyracanthae* [B]
   p. *Tubakia dryina* [D]
   q. *Venturia inaequalis* (Scab) [A]
   r. Rhizoctonia Web Blight [B]

continued...

Table 2. Diseases *(continued)*

4. Powdery Mildew
   a. *Erysiphe* spp. [B]
   b. *Microsphaera* spp. [C]
   c. *Oidium* spp. [B]
   d. *Podosphaera* spp. [B]
   e. *Sphaerotheca pannosa* [B]
   f. *Phyllactinia* spp. [B]
5. Rust
   a. *Gymnosporangium juniperi-virginianae* [A]
   b. *Melampsora occidentalis* [D]
   c. *Phragmidium* spp. [B]
   d. *Puccini*a spp. [B]
   e. *Pucciniastrum goeppertianum* [D]
   f. *Uromyces dianthi* [B]

Table 3. Application Regimes

[A] Mix 2-4 fl oz of Banner MAXX II in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14-21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply Banner MAXX II when there is 5-10% bloom and again at 70-100% bloom. For dogwoods, apply the 2-4 fl oz rate every 14 days, or apply 8 fl oz of Banner MAXX II every 28 days.

[B] Mix 5-8 fl oz of Banner MAXX II in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply as needed, beginning when conditions are favorable for disease development. For blackspot, apply with a registered contact fungicide labeled for blackspot. For Calendula, apply every 30 days. For diplodia tip blight, make 3 applications every 14 days prior to major period of infection. For juniper phomopsis blight, make first application as soon as junipers start to grow, and repeat the applications every 14-21 days during periods of active growth.

[C] Mix 8-12 fl oz of Banner MAXX II in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 30 days, beginning when conditions are favorable for disease development. For pecans, apply the 12 fl oz rate beginning at bud break. Apply 3 times on 14-day intervals. For walnuts, apply 8.5 fl oz at 14-21 day intervals. For ray blight, apply 12 fl oz at 7-day intervals or 20 fl oz at 14-day intervals. For impatiens, bayberry, linden, magnolia, sweetgum and wax myrtle, the maximum use rate is 8 fl oz.

[D] Mix 16 fl oz of Banner MAXX II in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14-28 days, beginning when conditions are favorable for disease development. For Douglas fir needle rust, apply once in May. For tip blight, initial application is in mid-late winter, and apply 3 times at 2-month intervals.

[E] Mix 20-24 fl oz of Banner MAXX II in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply during June to August time period.

Note: To avoid possible illegal residues, do not apply to apple, Bartlett pear, cherry, citrus, nectarine, peach, pecan, plum, or walnut trees that will bear harvestable fruit within 12 months.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, dry place.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

continued…

STORAGE AND DISPOSAL *(continued)*

Container Disposal

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

Residue Removal [equal to or less than 5 gallons]

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Residue Removal [greater than 5 gallons]

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

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For non-emergency (e.g., current product information) call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1326A-L1A 0409
4035720

(01) 0 07 02941 39961 7

BannerMaxx®II

Fungicide

Broad spectrum and systemic disease control for turf and ornamentals

Active Ingredient:	
Propiconazole*	14.3%
Other Ingredients:	85.7%
Total:	100.0%

*CAS No. 60207-90-1

Banner MAXX II contains a nominal 1.3 pounds of active ingredient per gallon.

Refer to booklet for directions for use and additional storage and disposal instructions.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1326
EPA Est. 39578-TX-1

1 gallon

Net Contents

FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOT LINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372.**

KEEP OUT OF REACH OF CHILDREN.

CAUTION

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Environmental Hazards: This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Physical and Chemical Hazards: Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

Residue Removal: Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1326A-L1A 0409
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syngenta®

Harrell'sProtectMAX®

PROPICONAZOLE	GROUP	3	FUNGICIDE

Propiconazole

Fungicide

Broad Spectrum and Systemic Disease Control for Turf and Ornamentals and a Flare Root-Injected* Systemic Fungicide for Control of Selected Diseases in Trees

***Flare Root-Injected uses are not registered for use in CA & NY**

ACTIVE INGREDIENT:	
Propiconazole	14.3%
OTHER INGREDIENTS:	85.7%
TOTAL:	100.0%

Contains 1.3 lb active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

SEE INSIDE LABEL BOOKLET FOR FIRST AID AND PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 228-623-52287

EPA Est. No. indicated by the first two letters of the batch number on this package: (AL) 228-IL-002, (ST) 72344-MO-004

Distributed by
Harrell's, LLC
P.O. Box 807
Lakeland, FL 33802

Net Contents
2.5 Gal.
(9.46 L)

Harrell's
Growing a Better World®

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

NOTE TO PHYSICIAN

If ingested, induce emesis or lavage stomach. Treat symptomatically.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING / AVISO

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Protective eyewear
- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), or viton
- Shoes plus socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Engineering controls

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 160.240(d)(6)].

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and shrimp. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your state or tribe, consult the agency responsible for pesticide regulation.

Failure to follow the directions for use and precautions on this label may result in plant injury or poor disease control.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Protective eyewear
- Coveralls
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

PRODUCT INFORMATION

This product is a systemic fungicide for use on turfgrasses for the control of:

Anthracnose (*Colletotrichum graminicola*)
Brown patch (*Rhizoctonia solani*)
Dollar spot (*Sclerotinia homoeocarpa*)
Fusarium patch (*Fusarium nivale*)
Gray leafspot (*Pyricularia grisea*)
Gray snow mold (*Typhula spp*.)
Leafspot (Bipolaris spp., Drechslera spp.)
Necrotic ring spot (*Leptosphaeria korrae*)
Pink patch (*Limonomyces roseipellis*)
Pink snow mold (*Microdochium nivale*)
Powdery mildew (*Erysiphe graminis*)
Red thread (*Laetisaria fuciformis*)
Rust (*Puccinia graminis*)
Spring dead spot (*Leptosphaeria korrae, Leptosphaeria narmari, Ophiosphaerella herpotricha, Gaeumannomyces graminis*)
Stripe smut (*Ustilago striiformis* and *Urocystis agropyri*)
Summer patch (*Magnaporthe poae*)
Take-all patch (*Gaeumannomyces graminis*)
Yellow patch (*Rhizoctonia cerealis*)
Zoysia patch (*Rhizoctonia solani*)

This product also controls numerous diseases on ornamentals and other landscape and nursery plantings such as powdery mildews, rusts, leafspots, scabs, and blights. Refer to the appropriate section of this label for specified diseases and plants.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Wind Speed
Do not apply at wind speeds greater than 15 mph.

Droplet Size

Apply as a medium or coarser spray (ASAE Standard 572)

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of propiconazole. Where states have more stringent regulations, they must be observed.

Equipment

All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
2. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
3. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirement for groundboom application:

1. Do not apply with a nozzle height greater than 4 feet above the crop canopy.

MIXING INSTRUCTIONS

Fill the spray tank ½ - ¾ full with water. Add the proper amount of this product, then add the remaining water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If this product is tank mixed with other products, use the following sequence:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of this product, other chemicals to be used, and the water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least ½ full of clean water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. Premixing the product in water before adding to the tank will hasten the process.
5. Add flowables or suspensions next.
6. Add the proper amount of this product
7. Add emulsifiable concentrates last.
8. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

TANK MIXES

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

This product can be tank mixed with other fungicides for broader spectrum control. This product is also compatible with numerous herbicides and insecticides. Check compatibility before tank mixing. Add Unite® (3 pts./100 gals.) to tank mixes which are incompatible. Follow the directions for tank mixes under "Mixing Instructions". Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

TURFGRASS AND DICHONDRA

RESTRICTIONS

- Do not apply more than 1.79 lb a.i./A (equivalent to 1.4 gallons of product/A or 4 fl oz/1,000 sq ft) per application.
- Do not apply more than 7.2 lb a.i./A (equivalent to 5.5 gallons of product/A or 16 fl oz/1,000 sq ft) per calendar year.
- Do not graze animals on treated areas
- Do not feed clippings from treated areas to livestock or poultry.
- Do not apply this product through any type of irrigation system.
- Bermudagrass can be sensitive to this product. Do not exceed 4 fl oz/1,000 sq ft every 30 days on any variety of bermudagrass to reduce the potential for injury. In Florida, do not apply this product to bermudagrass golf course greens when temperatures exceed 90°F to reduce the risk of bermudagrass injury.

APPLICATION INFORMATION

- Use this product in a preventative disease control program.
- Apply after mowing OR allow sprayed area to completely dry before mowing.
- For control of soil-borne diseases, this product can be watered in after application.

- For control of foliar diseases, allow sprayed area to completely dry before irrigation.
- For optimum turf quality and disease control, use this product in conjunction with turf management practices that promote good plant health and optimum disease control.
- Proper diagnosis of the organism causing the disease is important prior to using any fungicide. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.
- Apply in sufficient water to ensure thorough coverage.
- Under conditions optimum for high disease pressure, use the higher rate and the shorter application interval.
- Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.

TURFGRASS DISEASE CONTROL

Disease	fl oz per 1,000 sq ft	fl oz per Acre	Application Interval/ Timing	Application Instructions
Dollar Spot (*Sclerotinia homoeocarpa*)	0.5	22	14 days	Apply when conditions are favorable for disease development.
	0.5	22	14 days	Tank mix with low label rate of a product containing chlorothalonil such as Daconil 2787 F or Daconil Ultrex®
	1	44	21-28 days	Tank mix with low label rate of a product containing chlorothalonil (such as Daconil 2787 F or Daconil Ultrex) or iprodione (such as Nufarm Iprodione SPC Fungicide).
	1-2	44-88	14-28 days	If using the 1-2 fl oz/1,000 sq ft rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.
Anthracnose (*Colletotrichum graminicola*)	1-2	44-88	14-28 days	Apply when conditions are favorable for disease development. Use higher rates of this product and shorter intervals when disease pressure is high. For broad-spectrum control, tank mix with a registered contact fungicide at the label rate. If disease is present, mix 2 fl oz of this product per 1,000 sq ft with the label rate of the above mentioned contact fungicides.
Brown Patch (*Rhizoctonia solani*)	1-2	44-88	14-21 days	Tank mix with a registered contact fungicide labeled for brown patch control at the label rate. Begin applications in May or June before the disease is present. Use the higher rates of this product and shorter intervals under conditions of high temperatures and high humidity.
Powdery Mildew (*Erysiphe graminis*) **Rust** (*Puccinia graminis*)	1-2	44-88	14-28 days	Make applications when conditions are favorable for disease development. If disease is present, use 2 fl oz of this product per 1,000 sq ft
Pink Patch *(Limonomyces roseipellis)* **Red Thread** (*Laetisaria fuciformis)*	2	88	14-21 days	Apply when conditions are favorable for disease development.
Stripe Smut *(Ustilago striiformis)* *(Urocystis agropyri)*	1-2	44-88	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow.

(continued)

TURFGRASS DISEASE CONTROL (continued)

Disease	fl oz per 1,000 sq ft	fl oz per Acre	Application Interval/ Timing	Instructions
Gray Leafspot (*Pyricularia grisea)*	1-2	44-88	14 days	Make applications when conditions are favorable for disease development. If using the 1 fl oz/1,000 sq ft rate, tank mix with a registered contact fungicide at the label rate.
Melting Out, Leaf Spot *(Bipolaris* spp.*)* *(Drechslera* spp.*)*	1-4	44-176	14 days	Under light to moderate pressure, apply this product to reduce the severity of leaf spot and melting out caused by Helminthosporium-type pathogens. Tank mix the 1-4 fl oz/1,000 sq ft product rate with a registered contact fungicide at the labeled rate. For broad spectrum disease control, tank mix the 1 fl oz product rate with a registered contact fungicide at the label rate.
Summer Patch, Poa Patch (*Magnaporthe poae)*	2	88	14 days	Apply this product beginning in April. Use the 2 fl oz/1,000 sq ft rate on a 14 day schedule and the 4 fl oz/1,000 sq ft rate on a 28 day schedule.
	4	176	28 days	
Take-All Patch *(Gaeumannomyces graminis)*	2-4	88-176	Spring and Fall	Apply this product to reduce the severity of take-all patch. Make 1-2 fall applications in September and October or when night temperatures drop to 55°F, and 1-2 spring applications in April and May, depending on local recommendations.
Spring Dead Spot *(Leptosphaeria korrae, Leptosphaeria narmari, Ophiosphaerella herpotricha, Gaeumannomyces graminis)*	4	176	30 days	Make 1-3 applications of this product. For one application, apply in September or October. For multiple applications, begin sprays in August.
Necrotic Ring Spot (*Leptosphaeria korrae)*	4	176	Fall or Spring	Apply in the fall and/or the early spring depending on local recommendations.
Gray Snow Mold *(Typhula* spp.*)* **Pink Snow Mold** *(Microdochium nivale)*	2-4	88-176	Late Fall	Make one application of this product in the late fall before snow cover. Do not apply on top of snow. For optimum disease control, tank mix the 2 and 3 fl oz product rates with either PCNB or chlorothalonil at label rates.
Fusarium Patch *(Fusarium nivale)*	2-4	88-176	Fall-Early Spring	Apply when conditions are favorable for disease development.
Yellow Patch *(Rhizoctonia cerealis)*	3-4	130-176	Late Fall	Make one application of this product in the late fall before snow cover. Do not apply on top of snow. If using a 3 fl oz/1,000 sq ft rate, tank mix with a registered contact fungicide at the label rate.
Zoysia Patch, large patch of zoysia *(Rhizoctonia solani)*	3-4	130-176	Early Fall	Make one application in the early fall (mid-September to mid-October) prior to development of disease symptoms. Consult local turfgrass extension experts to determine the optimum application timing for your area.

DICHONDRA DISEASE CONTROL

Disease	fl oz per 1,000 sq ft	fl oz per Acre	Application Interval/ Timing	Application Instructions
Dichondra Rust *(Puccinia dichondrae)*	2	88	14-21 days	Apply when conditions are favorable for disease development.

ESTABLISHMENT OF COOL SEASON TURFGRASS

The primary use of this product is as a fungicide for use against the diseases listed on this label. As an additional benefit, this product will improve the establishment rate when it is applied to cool season grass seedlings or sod.

New Seedlings: Apply 1 fl oz/1,000 sq ft at the 2 to 3-leaf stage of growth for faster root development and top growth.

Sod: Apply 1 fl oz/1,000 sq ft 2 to 6 weeks before cutting for increased sod knitting and faster establishment after laying.

ORNAMENTALS AND NON-BEARING FRUIT & NUT TREES IN NURSERIES (FIELD) AND LANDSCAPE PLANTINGS

RESTRICTIONS

- Do not apply more than 1.79 lb a.i./A (equivalent to 1.4 gallons of product/A or 4 fl oz/1,000 sq ft) per application.
- Do not apply more than 7.2 lb a.i./A (equivalent to 5.5 gallons of product/A or 16 fl oz/1,000 sq ft) per calendar year.
- Do not apply this product through any type of irrigation system.
- Do not apply to apple, cherry, citrus, nectarine, peach, pear, pecan, plum or walnut trees that will bear harvestable fruit within 12 months.

DISEASE CONTROL

- Use this product in a preventative disease control program.
- To determine the use directions for controlling a disease on an ornamental plant species, select the plant species in Table 1. The number/letter in parentheses following the plant species refers you to the disease(s) controlled in Table 2. Find the disease in Table 2. The number in brackets following the disease refers you to the application regime in Table 3.
- Allow spray to dry before overhead irrigation is applied.
- Optimum benefit of this product is obtained when used in conjunction with sound disease management practices.

APPLICATION INSTRUCTIONS

- Use this product at rates of 2 to 24 fl oz/100 gallons of water for control of diseases of ornamental plant species (Refer to Tables 1, 2, and 3).
- For disease control in landscape plantings, apply 6 to 8 fl oz/100 gallons of water every 21 days. For best control, begin applications of this product before disease development.

Note on Plant Tolerance:

Plant tolerance to this product has been found to be acceptable for the specific genera and species of plants listed on this label. Other plant species may be sensitive to this product. Before full-scale use of this product on ornamental plants and trees, evaluate the product for phytotoxicity and disease control on a small-scale basis. **Do not apply this product to African violets, begonias, Boston fern, or geraniums.**

Table 1. Ornamentals – Plant Species

Numbers in parenthesis refer to diseases controlled. See Table 2

Herbaceous Ornamental	Woody Ornamental	Nonbearing Fruits and Nuts (Nurseries and Landscape Plantings)
Calendula (4a)	Amelanchier (4d)	Apple (3g, 4d, 5a)
Carnation (5f)	Ash (4c)	Bartlett pear (3q, 4c, 5a)
Chrysanthemum (2a)	Azalea (2c, 4b)	Cherry (2b, 3d)
Delphinium (4a)	Bayberry (3n)	Citrus (3m)
English Ivy (3e)	Camellia (3e)	Nectarine (2b)
Gomphrena (3a)	Cotoneaster (3i)	Peach (2b)
Impatiens (3a, 3b, 4a)	Crabapple (3c, 3q, 4c, 5a)	Pecan (3b, 3c, 3f, 3l, 3n, 4e)
Iris (5d)	Crape myrtle (4a)	Plum (2b)
Marigold (3a)	Dogwood (3h, 4c)	Walnut (3j)
Monarda (4c)	Douglas fir (5b)	
Phlox (4c)	Elm (4c)	
Snapdragon (5d)	Euonymus (3e, 4c)	
Sweet William (*Dianthus barbatus*) (3k)	Hawthorn (5a)	
Zinnia (4c)	Holly (3r)	
	Juniper (1a)	
	Lilac (4c)	
	Linden (3e, 3b, 4b)	
	Magnolia (3e, 4b)	
	Maple (3e, 4f)	
	Oaks (3p)	
	Pines (1b, 1c)	
	Poplars (5b)	
	Pyracantha (3o)	
	Red Tip Photinia (3i)	
	Rhaphiolepsis (3e, 3i)	
	Rhododendron (2c, 3n)	
	Roses (3g, 4e, 5c) (Outdoor use only)	
	Shasta fir (5e)	
	Sweetgum (3b, 3c, 3n)	
	Sycamore (3e)	
	Tulip tree (3e, 4a)	
	Wax myrtle (3n)	

Table 2. Diseases

Numbers in brackets refer to application regimes. Refer to Table 3.

1. Conifer Blights
   a. *Phomopsis juniperovora* (Phomopsis Blight) [2]
   b. *Sirrococcus strobolinus* (Tip Blight) [4]
   c. *Sphaeropsis sapinea* (Diplodia Tip Blight) [2]
2. Flower Blight
   a. *Ascochyta chrysanthemi* (Ray Blight) [3]
   b. *Monilinia spp.* [1]
   c. *Ovulinia spp.* [2]
3. Leaf Blights/Spots
   a. *Alternaria spp.* [2]
   b. *Cercospora spp.* (Brown Leaf Spot) [3]
   c. *Cladosporium spp.* (Scab) [3]
   d. *Coccomyces hiemalis* [1]
   e. *Colletotrichum spp.* [2]
   f. *Cristulariella spp.* (Zonate leafspot) [3]
   g. *Diplocarpon rosae* (Blackspot) [2]
   h. *Discula spp.* (Anthracnose) [1]
   i. *Fabraea maculate* (syn. Entomosporium maculate) [2]
   j. *Gnomonia leptostyla* (Anthracnose) [3]
   k. *Heterosporium echinulatum* [2]
   l. *Mycosphaerella caryigena* (Downy Spot) [3]
3. Leaf Blights/Spots (*continued*)
   m. *Mycosphaerella fructicola* (Greasy Spot) [5]
   n. *Septoria spp.* (Leaf Scorch) [3]
   o. *Spilocaea pyracanthae* [2]
   p. *Tubakia dryina* [4]
   q. *Venturia inaequalis* (Scab) [1]
   r. Rhizoctonia web blight* [2]
4. Powdery Mildew
   a. *Erysiphe spp.* [2]
   b. *Microsphaera spp.* [3]
   c. *Oidium spp.* [2]
   d. *Podosphaera spp.* [2]
   e. *Sphaerotheca pannosa* [2]
   f. *Phyllactinia spp.** [2]
5. Rust
   a. *Gymnosporangium juniperi-virginianae* [1]
   b. *Melampsora occidentalis* [4]
   c. *Phragmidium spp.* [2]
   d. *Puccinia spp.* [2]
   e. *Pucciniastrum goeppertianum* [4]
   f. Uromyces dianthi [2]

***Not registered for this use in CA**

Table 3. Application Regimes

[1]	Mix 2-4 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14-21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply this product when there is 5-10% bloom and again at 70-100% bloom. For dogwoods, apply the 2-4 fl oz rate every 14 days or apply 8 fl oz of this product every 28 days.
[2]	Mix 5-8 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Begin applying when conditions are favorable for disease development and apply as necessary. For blackspot, apply with a registered contact fungicide labeled for blackspot. For Calendula, apply every 30 days. For diplodia tip blight, make 3 applications every 14 days prior to major period of infection. For juniper phomopsis blight, make the first application as soon as junipers start to grow, and repeat the applications every 14-21 days during periods of active growth.
[3]	Mix 8-12 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 30 days, beginning when conditions are favorable for the disease development. For pecans, apply the 12 fl oz rate beginning at bud break. Apply 3 times at 14-day intervals. For walnuts, apply 8.5 fl oz at 14-21 day intervals. For ray blight, apply 12 fl oz at 7 day intervals or 20 fl oz at 14 day intervals. For impatiens, bayberry, linden, magnolia, sweetgum and wax myrtle, the maximum use rate is 8 fl oz.
[4]	Mix 16 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14-28 days, beginning when conditions are favorable for disease development. For Douglas fir needle rust, apply once in May. For tip blight, start applications in mid-late winter and apply 3 times at 2-month intervals.
[5]	Mix 20-24 fl oz of this product in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply during June to August time period.

A FLARE ROOT-INJECTED SYSTEMIC FUNGICIDE FOR CONTROL OF SELECTED DISEASES IN TREES

(Not Registered for use in CA & NY)

Product Information

This product is a systemic fungicide for use as a flare root injection for prevention and treatment of (1) oak wilt (*Ceratocystis fagacearum*) of oaks (*Quercus* spp.), (2) Dutch elm disease (*Ophiostroma ulmi*) of elms (*Ulmus* spp.), (3) sycamore anthracnose (*Apiognomonia veneta*), and (4) leaf diseases (i.e., *Venturia inaequalis*, *Gymnosporangium juniperi-virginianae, Pucciniastrum goeppertianum,* etc.) of crabapple (*Malus* spp.). Administer this product by trained arborists or others trained in injection techniques and in the identification of tree diseases.

Notes: The active ingredient in this product has been shown to be safe on a wide range of plant species. Before using this product on ornamental trees, conduct a small-scale test and evaluate for phytotoxicity and disease control prior to full-scale use.

Restrictions

- Do not exceed 0.0069 lb a.i./DBH.
- Do not exceed one application per year.
- Do not use fruit from treated trees for food or feed purposes.

Correct Location for Injector Placement

The flare root area is the transitional zone between the trunk and the root system. Uptake and distribution of this product is more effective when injections are made into the flare roots. In addition, wounds created in the flare root area close more rapidly in comparison to wounds above the flare root area.

Tree Preparation

1. Carefully shave heavy, thick, or loose outer bark to form a smoother injection point and to ensure the operator that the drill hole penetrates through the bark to the xylem.
2. If the flare roots are not clearly exposed, carefully remove 2 to 4 inches of soil from the base of the tree to uncover the top of the flare roots. Brush away loose soil.
3. Drill holes through the bark, into sapwood using a clean sharp drill bit. Ensure that the drill hole diameter is adequate to allow insertion of injection tees and formation of airtight contact between active xylem and the delivery point of the injection tees. A drill hole diameter of 7/32 - 5/16 inch for elms, sycamores, and crabapples, and 5/16 inch for oaks is normally appropriate. Follow manufacturer's instructions for the particular injection device used in the treatment. Drill hole depth must be adequate to deliver the product into active xylem tissue. In most cases, ¾ inch depth is appropriate, but trees with thick bark require increased drill hole depth to reach the active xylem layer. Space injectors 3-6 inches apart around the base of the tree. Do not drill in the valleys between the flare roots or into cankered areas. Drill above these areas into the trunk, and then continue again into sound sapwood on the flares.
4. Disinfect the drill bit between trees with household bleach (20% solution), ethanol, or other disinfectant. Rinse bit with clean water after disinfecting.
5. Insert into the drilled holes the injection ports ("tees"), which are connected to plastic tubing. The tubing must have inlet and outlet valves.
6. Mix the specified amount of this product and water thoroughly in the tank before beginning the injection treatment.

Tree Measurement

Measure the diameter of the tree using a tree diameter-tape (D-tape) at 4 ½ feet above the ground. This is the diameter at breast height (DBH). If only a regular tape is available, measure the tree circumference and divide that number by 3.14. For crabapples, measure the diameter at the point where the tree begins to branch.

Preparation of Injection Solution

Dilute 10 ml of this product in up to 1 liter of water per inch DBH. Refer to the following table as an example of the amounts of this product and water to use:

DBH inches	Treatment Level (ml)	Water Volume (liters)
5	50	5
10	100	10
15	150	15
20	200	20
25	250	25
30	300	30
35	350	35
40	400	40

Injection

For pressurized injections, with the outlet valve open, connect the tank to the inlet valve and begin pumping solution until all air bubbles come out of the outlet valve. Direct the solution into a container and return the solution to the tank. Shut off the outlet valve. Pressurize tank to 20-30 psi. Check for leaks and gently tap in tees if necessary. Maintain continuous pressure on the injection system until the full amount of solution is in the tree.

After injection is complete, remove injection tees and leave drill holes unplugged. A water flush to cleanse the hole will assist with wound closure. Replace soil around the tree. It is not necessary to treat the drill holes with wound paint or other sealing compounds.

Contact your local extension agent for more details on tree injection. The injection system described is meant as an example; please refer to manufacturer's instructions when using other types of tree injection systems.

Retreatment

At the initial injection of this product, take notes on the level of disease in each tree. Reevaluate disease level in trees at 12-month intervals after treatment for the potential need for retreatment with this product. Consider preventive applications 12-36 months after the initial injection. Evaluate trees in high disease risk areas or high value trees for possible retreatment 12 months after each treatment.

Follow application procedures described above for repeat injections; new drill holes will be needed for subsequent treatments.

OAK WILT: OAKS

Preventive and Therapeutic Treatment

Use 10 ml of this product in up to 1 liter of water per inch DBH. For very high disease pressure, use 20 ml of this product per inch DBH.

In the upper Midwest, treat oaks after June 15. Wounds in oaks in the upper Midwest between May 15 and June 15 attract insects that transmit the oak wilt pathogen.

Oak trees exhibiting less than 20% crown loss from oak wilt have the best chance of responding to the treatment. Preventive application is more effective than therapeutic treatment. Response to treatment will vary with trees in advanced stages of disease development.

Uninfected trees normally absorb the full amount of product/water solution within 2 hours when injected under pressure. Consider trees exhibiting specific symptoms or those symptomless trees immediately adjacent to a diseased tree to be infected. Symptomless trees separated by a primary plow line from diseased trees will be at less risk of infection. Infected trees will absorb the material more slowly due to the vascular plugging caused by the disease. If the product/water solution is not absorbed within 24 hours, the tree is considered high risk and has a poor chance of survival.

Refer to the **Product Information** section for details on retreatment.

LEAF DISEASE: CRABAPPLES

Preventative Treatment

Use 10 ml of this product in up to 1 liter of water per inch trunk diameter. For trees less than 10 inches trunk diameter, use 6 ml of this product per inch trunk diameter. Make applications when the trees are in full leaf and actively growing for control of the next season's leaf disease development. Disease symptoms have the potential for not being reduced the year of application.

Refer to the **Product Information** section for details on retreatment.

ANTHRACNOSE: SYCAMORE

Preventive Treatment

Use 10 ml of this product in up to 1 liter of water per inch DBH. For trees less than 10 inches DBH, use 6 ml of product per inch DBH. Make applications when the trees are in full leaf and actively growing for control of the next season's anthracnose development.

Refer to the **Product Information** section for details on retreatment.

DUTCH ELM DISEASE IN ELMS

Preventive and Therapeutic Treatment

Use 6 to 10 ml of this product in up to 1 liter of water per inch DBH. For very high disease pressure, use 20 ml of product per inch DBH.

Notes: (1) Accurate diagnosis of Dutch elm disease is important since this product only provides control of Dutch elm disease in elms. (2) this product will be most effective when used in conjunction with other cultural practices specified for management of Dutch elm disease (removal of dead elm trees, pruning of diseased tree limbs and branches, control of bark beetles, etc.). (3) Preventive applications can be made at 6-10 ml/inch DBH. The 6 ml rate provides 24 months control and the 10 ml rate provides 36 months control. (4) Make therapeutic treatment in trees showing disease symptoms at 10-20 ml/inch DBH. Retreat every 12-36 months, if needed. Response to treatment will vary with trees in advanced stages of disease development.

For further information on the proper diagnosis and control of Dutch elm disease, consult your local extension agent.

Refer to the **Product Information** section for details on retreatment.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in original container in a cool area out of the reach of children.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:
Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers are also disposable by incineration, or, if allowed by state and local ordinance, by burning. If burned stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations of liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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Harrell's ProtectMAX®
Mancozeb
TURF & ORNAMENTAL FUNGICIDE

Active Ingredient:

Mancozeb	75%
A coordination product of Zinc Ion and Manganese Ethylenebisdithiocarbamate	
Manganese++	15.0%
Zinc++	1.9%
Ethylenebisdithiocarbamate Ion	58.1%
Other Ingredients:	25%
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

SI USTED NO ENTIENDE LA ETIQUETA, BUSQUE A ALGUIEN PARA QUE SE LA EXPLIQUE A USTED EN DETALLE.
(IF YOU DO NOT UNDERSTAND THE LABEL, FIND SOMEONE TO EXPLAIN IT TO YOU IN DETAIL.)

NET CONTENTS: 12 LB BAG

Distributed by: Harrell's, LLC, P.O. Box 807, Lakeland, FL 33802

EPA REG. NO. 1001-77-52287
EPA EST. NO.

8/2023

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 |
(800) 282-8007

FIRST AID	
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
In case of emergency call your local poison center or doctor. Have the product container or label with you when calling a poison control center or doctor or going for treatment. For 24 hour emergency assistance, call Chemtrec 1-800-424-9300.	

PRECAUTIONARY STATEMENTS-HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Caution. Harmful if absorbed through skin. Causes moderate eye irritation. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Natural rubber is chemical resistant to Harrell's ProtectMAX Mancozeb. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt
- Long pants
- Shoes and socks, and
- Chemical-resistant gloves (except pilots).

See engineering controls for additional requirements.

ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Enclosed Cockpits: Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

Mechanical Flagging Engineering Control: Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning system (GPS) or mechanical flaggers.

USER SAFETY REQUIREMENTS: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS: Users should
- wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- remove clothing immediately if pesticide gets inside, then wash thoroughly and put on clean clothing.
- remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

CHEMICAL HAZARDS

Do not allow to become wet during storage. This may lead to certain chemical changes, which will reduce the effectiveness of the product as a fungicide and create vapors that may be flammable. Keep container closed when not in use.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.
Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific statements and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements on this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

Personal Protective Equipment (PPE) required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as soil or water, is:
- Coveralls,
- Shoes and socks, and
- Chemical resistant gloves made of any waterproof material.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements on this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Applications to turf and ornamentals which are not grown for resale are not within the scope of the Worker Protections Standard. Do not enter or allow entry into treated areas until sprays have dried.

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage and disposal.
Pesticide Storage: Store in the original container in a dry area. If allowed to become wet the product will deteriorate and represent a fire hazard. Keep away from sources of ignition (e.g. sparks and open flame). Close bag when not in use. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed below.
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty container into application equipment. Dispose of container in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

SPRAY DRIFT MANAGEMENT
A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

WIND SPEED: Do not apply at wind speeds greater than 15 mph.

TEMPERATURE INVERSIONS: If applying at wind speeds less than 3 mph, the applicator must determine is a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

OTHER STATE AND LOCAL REQUIREMENTS: Applicators must follow all state and local pesticide drift requirements regarding application of mancozeb. Where states have more stringent regulations, they must be observed.

EQUIPMENT: All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

ADDITIONAL REQUIREMENTS FOR AERIAL APPLICATIONS:
1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
2. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater that 10 feet above the crop canopy unless a greater height is required for aircraft safety.
3. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

ADDITIONAL REQUIREMENTS FOR GROUND BOOM APPLICATION:
Do not apply with a nozzle height greater than 4 feet above the crop canopy.

PRODUCT INFORMATION
Harrell's ProtectMAX Mancozeb is a dry flowable fungicide product containing a coordination product of zinc ion and manganese ethylenebisdithiocarbamate, and is labeled for use as a spray for the control of many important plant diseases. When used according to directions, it provides very high fungicidal activity and can be safely used on turf grasses and certain ornamentals and vegetable crops. Harrell's ProtectMAX Mancozeb provides control of most common turfgrass diseases and it is also effective in controlling major fungus diseases of certain ornamentals. Diseases of turf grass and ornamentals can attack suddenly and unexpectedly causing severe damage and may even result in total loss of large areas of valuable turf grass and ornamental plants. The use of a regular protective spray program will minimize the risk of disease damage and can generally be accomplished with

lower rates and less frequent fungicide applications. Once diseases have become established, higher rates of fungicide and more frequent applications are required to bring them under control. Follow a regular protective program for maximum product performance.

INSTRUCTIONS FOR APPLICATION

TO MIX: Slowly add Harrell's ProtectMAX Mancozeb into ½ filled spray tank while the agitator is running to form a well mixed suspension. Agitate suspension continuously to keep the material in proper suspension. For best results, use spray mixture the same day it is prepared.

TO TANK MIX: Harrell's ProtectMAX Mancozeb is compatible with most commonly used pesticides. If tank mixing with other materials, add products in the following order: wettable powders, dry flowables, liquid flowables, emulsifiable concentrates, and soluble materials such as fertilizers. No claim of compatibility with other products is implied. Do not combine Harrell's ProtectMAX Mancozeb with other pesticides, surfactants, or fertilizers, unless your prior use has shown the combination is physically compatible, effective, and non-injurious under your conditions of use. Consult the intending tank mix partner product label for appropriate application rates and use instructions. This product cannot be mixed with any product containing a label prohibition against such mixing. Read and observe the most restrictive precautionary statements and other directions appearing on product labels used in mixtures.

FOR AERIAL APPLICATION: Use at rate indicated in sufficient water for thorough coverage or a minimum of 2 gallons per acre. Use a spreader-sticker, at label recommended rates for the desired use as needed. Add product slowly to water in the spray tank with agitation or premix thoroughly in separate holding tank for concentrate or aircraft sprayers. Follow similar mixing order instructions as stated above for best results. Continuous agitation is required to keep the product in suspension. Do not use aerial application on golf course turf or ornamental herbaceous plants.

TURF APPLICATIONS

For use on all fine turf applications such as industrial and municipal lawns, including office parks, sod farms, cemeteries, parks and golf course greens, tees, and aprons and fairways of cool season and warm season grasses (such as Bent, Bermuda, Bluegrass, Fescues, Ryes, St. Augustine grasses, and Zoysia) or their mixtures. Harrell's ProtectMAX Mancozeb is not phytotoxic to any of the above mentioned grasses when used in accordance with the label. Refer to use instructions except when more specific directions are given for individual crops or diseases.

USE INSTRUCTIONS: Harrell's ProtectMAX Mancozeb is to be used for the prevention and control of the diseases mentioned below. It can provide both curative and protective action. Start preventative applications when conditions for disease occurrence are favorable or when disease first appears and repeat at 10 - 14 day intervals or until disease threat is past. When conditions are especially favorable for disease development, apply maximum fungicide use rate on a 10-day spray schedule. For best results use spray mixture the same day it is prepared. Spray uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing twelve hours after application. Apply specified amounts in sufficient water to obtain thorough coverage, 1-3 gallons per 1,000 square feet suggested for mechanical applications, smaller volumes are acceptable for hand applications and with proper equipment calibration and nozzle selection. When treating golf greens, always treat aprons and approaches. Do not use on pasture or range grasses. Do not graze treated areas. Do not feed clippings to livestock. Do not use if grass is grown for seed. Not intended for use by homeowners.

Disease(s) Controlled	Rate Oz./1000 Sq. Ft.
Copper Spot, Red Thread, Fusarium Blight (*F. roseum*) Slime Mold	4-8
Leaf Spot, Melting Out (*Helminthosporium, Dreschlera, Bipolaris*) Rhizoctonia, Brown Patch, Rust	4
Pythium Blight, Damping Off Note: Apply at 7-day intervals or more frequently if conditions are especially favorable for disease development.	8
Dollar Spot	6-8
Algae	6
Pink Snow Mold (*Microdochium nivale*) Note: Apply at 2-week intervals during winter snow free periods.	6-8
Downy Mildew	6-8

TURF TANK MIXTURES
For the effective control of summer stress complex caused by a complex of Rhizoctonia and Pythium diseases, tank mix Harrell's ProtectMAX Mancozeb with Alude™ and apply to turfgrass as directed.

Disease(s) Controlled	Rate Oz./1000 Sq. Ft.
Summer Stress Complex on Bentgrass and Poa annua (Rhizoctonia and Pythium species) Do not irrigate or mow treated areas until spray has completely dried	Harrell's ProtectMAX Mancozeb 4-8 Alude 5-10

Sod Farm Turf – Application Restrictions
Harvesting of treated turf is prohibited until 120 hours (5 days) following application.
Do not apply more than 4 times per year.

Do not apply more than 23.2 lbs Harrell's ProtectMAX Mancozeb (17.4 lbs Al) per Acre per application (8 oz/1,000 sqft).
Do not re-apply using less than a 10 day interval between applications.

Golf Course – Application Restrictions
Do not apply more than 23.2 lbs Harrell's ProtectMAX Mancozeb (17.4 lbs Al) per Acre per application (8 oz/1,000 sqft).
Do not re-apply using less than a 10 day interval between applications.

For Cool season grass greens, tees, and aprons: Do not apply more than 5 times per year.
For Cool season grass fairways: Do not apply more than 4 times per year.

For Warm season grass greens, tees, and aprons: Do not apply more than 4 times per year.
For Warm season fairways: Do not apply more than 3 times per year.

All Other Turf – Application Restrictions
Do not apply more than 4 times per year.

Do not apply more than 23.2 lbs Harrell's ProtectMAX Mancozeb (17.4 lbs AI) per Acre per application (8 oz/1,000 sq ft).
Do not re-apply using less than a 10 day interval between applications.

HORTICULTURAL APPLICATIONS
FIELD, NURSERY, GREENHOUSE (including LATH, SHADE and HOOP houses) and LANDSCAPE
Not for use in home greenhouse.
Do not use on sugar maples intended for sap production.
Do not use fruit or nuts or any portion of the plant for food or feed purposes after treatment with Harrell's ProtectMAX Mancozeb.

For use on the listed annual and perennial flowers, ground covers, plus deciduous and evergreen trees and shrubs. Refer to General Use Instructions except when more specific directions are given for individual crops or diseases.

GENERAL USE: Harrell's ProtectMAX Mancozeb provides excellent protective activity and is most effective when applied prior to infection periods. Apply 1.0 to 2.0 lb. Harrell's ProtectMAX Mancozeb per 100 gallons of water in full coverage sprays. To improve performance, add 2-4 oz. of an effective spreader-sticker, per 100 gallons of spray. Depending upon the life cycle of the listed pathogens, begin spraying either preventatively at bud swell or at bud break, and continue throughout the growing season, or curatively at first sign of disease. Apply at 7-21 day intervals throughout the season as disease development conditions persist, or follow State Extension Service recommendation for specific disease control practices provided the 7-day retreatment intervals and the application rates and post-harvest intervals stated below are followed. Do not use edible portions of any listed plant for food or feed purposes.

Cut Flowers and Greenhouse Grown Ornamentals – Application Restrictions
- Maximum single application rate is 1.6 lb Harrell's ProtectMAX Mancozeb/acre with 20 applications per season
- Maximum seasonal application rate of 32 lbs Harrell's ProtectMAX Mancozeb/acre
- Minimum retreatment interval of 7 days.

Christmas Trees and Douglas Fir – Application Restrictions
- Maximum single application rate is 4 lb Harrell's ProtectMAX Mancozeb/acre
- Minimum PHI of 14 days.

Ornamental and Shade Trees – Application Restrictions
- Maximum single application rate is 2 lb Harrell's ProtectMAX Mancozeb/acre with 3 applications per season
- Maximum seasonal application rate of 6 lbs Harrell's ProtectMAX Mancozeb/acre
- Minimum retreatment interval of 7 days.

Ornamental Groundcovers and Herbaceous Plants – Application Restrictions
- Maximum single application rate is 2 lb Harrell's ProtectMAX Mancozeb/acre
- Minimum retreatment interval of 7 days.

Harrell's ProtectMAX Mancozeb is labeled for the control of the following diseases and pathogens:
Alternaria - leaf spots and flower blights
Anthracnose Blights - *Colletotrichum, Discula, Elsinoe, Gloeodes, Gloeosporium, Glomerella, Gnomonia, Guignardia*
Aschochyta Blights
Blackspot of Rose - *Diplocarpon*
Black Leafspot of Elm
Botryosphaeria Dieback
Botrytis Blights, Gray Mold

Brown Rot Blight - *Monolinia, Sclerotinia, Whetzelinia*
Cephalosporium Leaf Spot
Cylindrocladium Leaf Blight
Downy Mildews - *Plasmopara, Peronospora*
Exobasidium Blights
Flower Blights - *Aschochyta, Botrytis, Monolinia, Sclerotinia, Whetzelinia*
Fusarium Leaf Spot and Blight
Gray Mold - *Botrytis*
Ink Spot - *Ciborinia, Sclerotinia, Whetzelinia*
Kabatina Dieback
Leafspots - *Alternaria, Bipolaris, Cephalosporium, Cercospora, Cylindrosporium, Dactylaria, Didymellina, Diplocarpon, Dreschleria, Exerohilum, Helminthosporium, Entomosporium, Fabraea, Leptosphaeria, Marssonina, Mycosphaerella, Pestalotia, Phyllosticta, Rhytisma, Septoria, Stigmina*
Needlecasts of Conifers - *Cyclaneusma, Ismiella, Lophodermium, Naemacyclus, Pestalotia, Rhabdocline, Rhizosphaera, Scirrhia, Sphaeropsis*
Ovulinia Blight
Phytophthora Blight and Dieback
Ramularia Blight
Rhizoctonia Aerial or Web Blight
Rusts - *Cronartium, Endocronartium, Gymnosporangium, Melampsora, Melampsoridium, Phragmidium, Puccinia, Uromyces*
Scab - *Fusicladium, Venturia, Sphaceloma, Cladosporium*
Shothole Leafspot - *Blumeriella, Coccomyces*
Stemphyllium Blight
Tip Blights - *Phomopsis, Diaporthe*
Tip Blight of Pine - *Diplodia, Sphaeropsis*
Volutella Blight

Ornamental plants on which Harrell's ProtectMAX Mancozeb has been used effectively:

African violet - *Saintpaulia*
Ageratum - *Ageratum*
Almond (ornamental) - *Prunus*
Alyssum - *Lobularia*
Andromeda - *Pieris*
Anthurium - *Anthurium*
Apple (ornamental) - *Malus*
Arborvitae - *Thuja*
Ash - *Fraxinus*
Ash, Mountain - *Sorbus*
Aspen - *Poplus*
Aster, China - *Callistephus*
Azalea*- *Rhododendron*
Baby's Breath - *Gysophyla*
Begonia - *Begonia*
Birch - *Betula*
Boxwood - *Buxus*
Buckeye - *Aescolus*
Camellia*- Camellia
Cardinal Flower - *Lobelia*
Carnation - *Dianthus*
Catharanthus - *Catharanthus*
Cedar, Red - *Juniperus*
Celosia - *Celosia*
Cherry (ornamental) - *Prunus*
Chinese evergreen - *Aglaonema*
Christmas Cactus - *Schlumbergera*
Christmas Trees
Chrysanthemum*- *Chrysanthemum, Dendranthema*
Coleus - *Coleus*
Columbine - *Aquilegia*
Common Dracaena - *Cordyline*
Conifers
Cotoneaster - *Cotoneaster*
Crabapple (ornamental) - *Malus*
Crape Myrtle - *Lagerstroemia*
Croton - *Codiaeum*
Cyclamen - *Cyclamen*
Cypress, Leyland - *Cupressocyparis*
Dahlia - *Dahlia*
Daisy, Shasta - *Chrysanthemum*
Daisy, Transvaal - *Gerbera*
Delphinium - *Delphinium*
Dieffenbachia - *Dieffenbachia*
Dogwood* - *Cornus*
Dracaena - *Dracaena*
Dusty Miller - *Centauria*
Elm - *Ulmus*
Euonymus - *Euonymus*
Fatsia - *Fatsia*
Ferns - *Nephrolepis, Polypodium, Polystichum, Pteris*
Ficus - *Ficus*
Fig (ornamental) - *Ficus*
Firethorn - *Pyracantha*
Firs - *Abies, Pseudotsuga*
Fittonia - *Fittonia*

Fuchsia - *Fuchsia*
Garden Balsam - *Impatiens*
Geranium - *Geranium, Pelargonium*
Gerbera - *Gerbera*
Gladiolus - *Gladiolus*
Gold Dust Tree - *Aucuba*
Gomphrena - *Gomphrena*
Gypsophila - *Gypsophila*
Hawthorn - *Crataegus*
Hibiscus - *Hibiscus*
Hickory - *Carya*
Holly - *Ilex*
Hollyhock - *Alcea*
Horsechestnut - *Aesculus*
Hydrangea - *Hydrangea*
Impatiens - *Impatiens*
Iris - *Iris*
Ivy, Boston - *Parthenocissus*
Ivy, English - *Hedera*
Jadeplant - *Crassula*
Juniper - *Juniperus*
Kalanchoe - *Kalanchoe*
Larkspur - *Delphinium*
Laurel, Cherry - *Prunus*
Laurel, Mountain - *Kalmia*
Lavender Cotton - *Santolina*
Lily - *Lilium*
Liriope - *Liriope*
Lobelia - *Lobelia*
Loquat - *Eriobotrya*
Magnolia - *Magnolia*
Mahonia - *Mahonia*
Maple - *Acer*
Myrtle - *Myrtus*
Nasturtium - *Tropaeolum*
Nephthytis - *Nephthytis*
Nicotiana - *Nicotiana*
Nierembergia - *Nierembergia*
Oak - *Quercus*
Orchids - *Cattleya, Cymbidium, Dendrobium, Epidendrum, Odontogloossum, Phalaenopsis*
Osmanthus - *Osmanthus*
Palm, Areca - *Chrysalidocarpus*
Palm, Chamaedorea - *Chamaedorea*
Palm, King - *Archotophoenix*
Palm, Madagascar - *Chrysalidocarpus*
Palm, *Washingtonia*
Pansy - *Viola*
Peach (ornamental) - *Prunus*
Pear (ornamental) - *Pyrus*
Peony*- *Paeonia*
Peperomia - *Peperomia*
Periwinkle - *Vinca*
Petunia - *Petunia*
Philodendron - *Philodendron*
Phlox - *Phlox*
Photinia, Red Tip - Photonia
Pieris - *Pieris*
Pilea - *Pilea*
Pine - *Pinus*
Pine, Norfolk Island - *Araucaria*
Pittosporum - *Pittosporum*
Plane Tree - *Platanus*
Plum (ornamental) - *Prunus*
Poinsettia - *Euphorbia*
Poplar - *Populus*
Portulaca - *Portulaca*
Pothos - *Syngonium*
Prayer Plant - *Primula*
Privet - *Ligustrum*
Protea - *Protea*
Pyracantha - *Pyracantha*
Red Tip - *Photinia*
Redwood - *Sequoia*
Rhododendron*- *Rhododendron*
Rose - *Rosa*
Sage - *Salvia*
Sand Cherry - *Prunus*
Santolina - *Santolina*
Schefflera - *Schefflera*
Senecio - *Senecio*
Sequoia - *Sequoia*
Snake Plant - *Sansevieria*
Snapdragons - *Antirrhinum*
Spathiphylum - *Spathiphyllum*
Spruce - *Picea*
Spurge, Japanese*- *Pachysandra*
Statice - *Limonium*
Strawflower - *Helichrysum*
Sycamore - *Platanus*
Syngonium - *Syngonium*
Umbrella Tree - *Schefflera*
Vanda - *Vanda*
Velvetleaf - *Abutilon*
Verbena - *Verbena*
Viburnum - *Viburnum*
Walnut - *Juglans*
Willow - *Salix*
Yucca - *Yucca*
Zebra Plant - *Aphelandra*
Zinnia – *Zinnia*

*See "Special Instructions" for additional information on use with selected plant material. This product is not recommended for the treatment of Marigold due to highly variable plant responses.

Note: The Directions for Use of this product and the list of ornamental plants given on this label reflect cumulative inputs from both field use experience and product testing programs. However, it is impossible to test this product on all ornamental plant species and cultivars. Before treating any ornamental plant for prevention of infection from a listed pathogen, a preliminary trial is suggested on a small scale before a full treatment is applied. Wait 5-7 days after treatment to evaluate trial results.

Special Instructions - Follow the Directions listed below for the specified plant and pathogen.

- **Azaleas, Camellias, Rhododendron** - Petal Blight: Spray 2-3 times a week while flowers are opening. Direct spray into flowers and spray ground under plants thoroughly.
- **Chrysanthemum** - Botrytis Petal Spot: Apply in full coverage spray twice weekly during the blooming season.
- **Dogwood, Flowering** - Anthracnose: Apply when buds begin to open, when bracts have fallen, 4 weeks later, and again in late summer after flower buds for next season are formed.
- **Fern** - Anthracnose: Apply 2-3 times weekly as needed through chemigation or air blast spray to thoroughly wet the entire plant canopy. Harrell's ProtectMAX Mancozeb may be tank mixed with 3336 WP/WSP or other systemic products as recommended by local extension services for enhanced control.
- **Peony** - Phytophthora Blight, Botrytis Blight: Apply in early spring and early fall, drenching soil around plants as well as foliage. Promptly destroy all infected plant parts.

VEGETABLE SEEDLINGS AND TRANSPLANTS

Harrell's ProtectMAX Mancozeb is labeled for the control of the listed diseases and pathogens in the following vegetable seedlings and transplants:

Crops*	Diseases	Rate Lbs/Acre	Directions
Cucumbers	Alternaria (Macrosporium) Leaf Spot Anthracnose Cercospora Leaf Spot Downy Mildew Gummy Stem Blight Pythium Fruit Rot Scab	1.5 – 3.0[1]	Begin when disease threatens or plants begin to run. Spray on a 7- to 10-day intervals under severe disease pressure. Do not apply more than 19.2 lbs. active ingredient (25.6 lbs. product) per acre per season. Do not apply within 5 days of harvest.
Fennel	Early Blight Late Blight	1.5 – 2.0[2]	Apply when disease threatens. Make applications as needed on a 7- to 10-day interval. Do not use more than 12.8 lbs. active ingredient per season (17 lbs. product). Do not apply within 14 days of harvest.

Crops*	Diseases	Rate Lbs/Acre	Directions
Melons Including: cantaloupes, casabas, crenshaws, honeydews, muskmelons, watermelons	Alternaria Leaf Spot Anthracnose Cercospora Leaf Spot Downy Mildew Gummy Stem Blight	2.0 – 3.0[3]	Apply as soon as plants begin to run or when disease threatens. Spray on a 7- to 10-day interval as necessary using higher rate and/ or shorter intervals under severe disease pressure. Do not apply more than 19.2 lbs. active ingredient (25.6 lbs. product) per acre per season. Do not apply within 5 days of harvest. Some cantaloupe varieties (i.e. Harvest Queen, Gold Star, Super Star, Sweet and Early, and Saticoy) are sensitive to Harrell's ProtectMAX Mancozeb fungicide. Consult State and Cooperative Extension Service Specialist prior to use.
Squash (Summer) Including edible gourds	Anthracnose Downy Mildew	2.0 – 3.0[3]	Start applications when plants are in the two-leaf stage. Spray on a 7- to 10-day interval as need using higher rate and/ or shorter intervals under severe disease pressure. Do not apply more than 19.2 lbs. active ingredient (25.6 lbs. Product) per acre per season. Do not apply within 5 days of harvest.

Crops*	Diseases	Rate Lbs/Acre	Directions
Tomatoes	Anthracnose Early Blight Gray Leaf Mold Gray Leaf Spot Late Blight Septoria Leaf Spot	0.75 – 3.0[4]	**East of the Mississippi** Begin applications when seedlings emerge or transplants are set. Repeat applications of 0.6 – 1.2 lbs. active ingredient per acre (0.75 – 1.5 lbs. product) at 3- to 7-day intervals, or 1.2 - 2.4 lbs. active ingredient per acre (1.5 - 3.0 lbs. product) at 7- to 10-day intervals throughout the season. Do not apply within 5 days of harvest. Do not apply more than 16.8 lbs. active ingredient (22.4 lbs. product) per acre per crop.
		0.75-2.0[5]	**West of the Mississippi** Begin applications when seedlings emerge or transplants are set. Repeat applications of 0.6 – 0.8 lbs. active ingredient per acre (0.75 – 1.0 lbs. product) at 3- to 7-dya intervals, or 1.2 - 1.6 lbs. active ingredient per acre (1.5 - 2.0 lbs. product) at 7- to 10-day intervals throughout the season. Do not apply within 5 days of harvest. Do not apply more than 6.4 lbs. active ingredient (8.5 lbs. product) per acre per season. Do not apply within 5 days of harvest.
	Bacterial Speck and Spot		Use a full rate of a fixed copper fungicide in a tank mix with a half to full rate of Harrell's ProtectMAX Mancozeb. Follow application intervals specified on the copper fungicide label.

*** Not intended for field vegetable production.**

[1] Apply, for example, in 50 – 200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 1.5 pounds per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 3.0 pounds per acre. For example, if 200 gallons of water are required, use 1.5 pounds per 100 gallons.

[2] Apply, for example, in 50 – 200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 1.5 pounds per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 2.0 pounds per acre. For example, if 200 gallons of water are required, use 1.0 pounds per 100 gallons.

[3] Apply, for example, in 50 – 200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 2.0 pounds per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 3.0 pounds per acre. For example, if 200 gallons of water are required, use 1.5 pounds per 100 gallons.

[4] Apply, for example, in 50 – 200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 0.75 pounds per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 3.0 pounds per acre. For example, if 200 gallons of water are required, use 1.5 pounds per 100 gallons.

[5] Apply, for example, in 50 – 200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 0.75 pounds per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 2.0 pounds per acre. For example, if 300 gallons of water are required, use 0.67 pounds per 100 gallons.

MAXIMUM SEASONAL POUNDAGE WHEN USED IN CONJUNCTION WITH ONE OR MORE OTHER EBDC PRODUCTS

Where EBDC Products Used Allow the Same Maximum Poundage of Active Ingredient Per Acre Per Season: If more than one product containing EBDC active ingredient (maneb, mancozeb, or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient per Acre per Season: If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

CHEMIGATION

APPLICATION THROUGH IRRIGATION SYSTEMS – *NOT FOR THIS USE IN CALIFORNIA*

General Information

1. Apply this product only through solid set or hand move, hand held, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
2. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
3. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
4. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
5. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

SPECIFIC INFORMATION FOR IRRIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

2. Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC INFORMATION FOR SOLID SET, HAND MOVE OR HAND HELD SPRINKLER IRRIGATION SYSTEMS

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC INFORMATION FOR DRIP (TRICKLE) CHEMIGATION

1. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

SPRAY PREPARATION

1. Remove scale, pesticide residues, and other foreign matter from the chemical stock tank and the entire injector system. Flush with clean water.
2. Follow the Directions for Use to determine the amount of Harrell's ProtectMAX Mancozeb that must be added to the stock tank. This amount should correspond with the site, host, and pathogen for which the product is used, and the intended amount of area to be treated.
3. Fill the stock tank with approximately 1/2 the desired amount of water. Slowly add the required amount of Harrell's ProtectMAX Mancozeb to the stock tank, then add the remaining volume of water.
4. Maintain a gentle continuous agitation in the stock tank during the mixing and application process to ensure a uniform suspension of material.
5. Harrell's ProtectMAX Mancozeb may be applied in conjunction with chemically neutral liquid fertilizers and pesticides. Applications in conjunction with highly alkaline fertilizers or pesticides may cause a degradation of the pesticide resulting in reduced performance and should be avoided.
6. Set sprinkler system to deliver 0.1-1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy.
7. Start sprinkler and then uniformly inject the suspension of Harrell's ProtectMAX Mancozeb into the water line with a positive displacement pump ahead of a right angle turn to insure adequate mixing and the desire rate of product.

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. By using this product, Buyer accepts all of the following Disclaimers of Warranties, Limitations of Liability, and Conditions.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, the presence of other materials, or weather or crop conditions beyond the control or NUFARM or Harrell's, LLC. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold NUFARM and Harrell's, LLC harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NUFARM and Harrell's, LLC MAKE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) Harrell's, LLC or NUFARM, and buyer assumes the risk of any such use.

To the extent allowed by law, NUFARM or Harrell's, LLC shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NUFARM AND HARELL'S LLC FOR ANY AND ALL CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF NUFARM OR HARRELL'S LLC, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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EPA SAL: 09/10/2013

ALUMINUM TRIS | GROUP P07 FUNGICIDE

CHIPCO® SIGNATURE™

Fungicide

ACTIVE INGREDIENT:	
Aluminum tris (O-ethyl phosphonate)	80.0%
OTHER INGREDIENTS:	20.0%
TOTAL:	100.0%

EPA Reg. No. 101563-18 **EPA Est. No.**

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

For MEDICAL and TRANSPORTATION Emergencies ONLY
Call 24 Hours A Day 1-800-424-9300.
For PRODUCT USE Information Call 1-800-331-2867.

87276341
87319415B 221216AV1
Net Contents:
11 Pounds (5 Kg)

PRODUCED FOR
Environmental Science U.S., LLC
5000 CentreGreen Way, Suite 400
Cary, NC 27513

envu™

FIRST AID	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	• Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. • Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye injury. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks, and protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic and estuarine invertebrates. Drift and runoff may be hazardous to aquatic and estuarine organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters or rinsate.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear.

NON AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of the treated areas until sprays have dried.

DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through sprinkler irrigation systems including microjet, drip, solid set, and center pivot. Do not apply this product through any other type of irrigation system.

SPRAY PREPARATION: Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS: First, prepare a suspension of CHIPCO® SIGNATURE™ FUNGICIDE in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount CHIPCO SIGNATURE FUNGICIDE, and then the remaining volume of water. Then set sprinkler to deliver 0.1 to 0.3 inches of water per acre. Start sprinkler and uniformly inject the suspension of CHIPCO SIGNATURE FUNGICIDE into the irrigation water line so as to deliver the desired rate per acre. The suspension of CHIPCO SIGNATURE FUNGICIDE should be injected with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: For Microjet and Drip Irrigation Systems: When treatment with CHIPCO SIGNATURE FUNGICIDE has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours. **For Solid Set and Center Pivot Irrigation Systems:** When treatment with CHIPCO SIGNATURE FUNGICIDE has been completed, further field irrigation over the treated area should be avoided until foliage is dry to prevent washing the chemical off the plants.

INSTRUCTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from nonuniform distribution of treated water. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

This product may cause staining. Avoid off-target sites such as sidewalks, patios, driveways, pavers, or similar materials. Do not enter treated areas until spray has dried. Rinse spray equipment thoroughly with warm water and detergent.

Resistance Management

For resistance management, please note that CHIPCO SIGNATURE FUNGICIDE contains a Group P07 [phosphonates] fungicide. Any fungal population may contain/develop individuals naturally resistant to CHIPCO SIGNATURE FUNGICIDE and other Group P07 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- For further information or to report suspected resistance contact Environmental Science U.S., LLC at 1-800-331-2867. You can also contact your pesticide distributor or university extension specialist to report resistance.

TURF

CHIPCO SIGNATURE FUNGICIDE is a systemic fungicide, which may be used in a seasonal program for the control of Pythium diseases, such as blight and root rot, and yellow tuft on common turfgrasses on golf courses, sod farms, sports fields, residential, commercial and other turfgrass areas. Apply as a foliar spray, using 1 to 5 gallons of water per 1000 sq. ft., as indicated in the table below. Apply with a properly calibrated sprayer. When applying use spray nozzles that will deliver fine or larger spray droplets as defined in the American Society of Agricultural and Biological Engineers (ASABE) standard ANSI/ASAE S572.l (March 2009).

Do not exceed a total of 180 lb. of product per acre (144 lb. a.i. /A), per year.

Apply by ground application equipment only. Do not apply by air unless directed by Supplemental or Special Local Need labeling.

DISEASE	INTERVAL OF APPLICATIONS	RATE OZ. PRODUCT/1000 SQ. FT.
Pythium diseases, yellow tuft	14 days 21 days	4.0 8.0

Begin preventive applications when conditions first favor disease and repeat at recommended interval. Do not mow and/or water treated areas until foliage is completely dry. Maintain agitation during spray operations.

Bacterial Wilt

CHIPCO SIGNATURE FUNGICIDE is prescribed for the alleviation of symptoms on golf course greens affected with bacterial wilt. Apply 8 oz. of CHIPCO SIGNATURE FUNGICIDE in 2 to 4 gallons of water per 1000 sq. ft. at an interval of 7 to 14 days depending on severity of the outbreak. Use the more frequent interval when severe symptoms appear.

TURF TANK MIXTURES

A CHIPCO SIGNATURE FUNGICIDE program encourages the development of a thick, vigorous turf stand that is better able to tolerate various stresses (heat, humidity, drying winds, traffic etc.) that can have a negative effect on turf health. A thick, vigorous CHIPCO SIGNATURE FUNGICIDE treated turf is better able to resist disease development and suppress the development of other pests such as weeds and algae.

Summer Decline: For control of summer decline caused by a complex of *Pythium* and *Rhizoctonia* diseases, CHIPCO SIGNATURE FUNGICIDE can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. Do not exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

Anthracnose: For improved control of anthracnose CHIPCO SIGNATURE FUNGICIDE can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. A preventative, multi-application (repeated every 14 days) program must be started prior to the appearance of the disease and the conditions favorable to anthracnose.

Bentgrass Dead Spot: For control of bentgrass dead spot, CHIPCO SIGNATURE FUNGICIDE can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. A preventative, multi-application (repeated every 14 days) program must be started prior to the appearance of the disease and the conditions favorable for development of bentgrass dead spot.

PRODUCT[1]	RATE OZ. PRODUCT/1000 SQ. FT.	DISEASE	APPLICATION INTERVAL
CHIPCO® SIGNATURE FUNGICIDE + 26GT or Tartan® Daconil Ultrex® or Fore® 80WP Rainshield® or Prostar® 70WP	4.0 to 8.0 + 3.0 to 4.0 or 1.0 to 2.0 3.2 or 4.0 to 8.0 or 1.5 to 3.0	Summer Decline (*Pythium,* Anthracnose, and *Rhizoctonia spp.*) *and/or* Anthracnose (*Colletotrichum graminicola*)	14 days
CHIPCO® SIGNATURE FUNGICIDE + Fore® 80WP Rainshield® or Daconil Ultrex®	4.0 + 8.0 or 3.2	Bentgrass Dead Spot (*Ophiosphaerella agrostis*)	14 days

Do not exceed a total of 180 lb. of product per acre (144 lb. a.i. /A), per year.
†26GT (iprodione; EPA Reg. No. 432-888); Tartan® (triadimefon and trifloxystrobin; EPA Reg. No. 432-1446); Daconil Ultrex® (chlorothalonil; EPA Reg. No. 100-1694); Fore® 80WP Rainshield® (mancozeb; EPA Reg. No. 62719-388); ProStar® 70WP (flutolanil; EPA Reg. No. 432-1223)

Mixing Instructions

Add CHIPCO SIGNATURE FUNGICIDE to the tank after the tank mix partner has been added and allowed to fully disperse. The order in which products are added to the tank can affect its ability to go into solution.

Apply as a foliar spray using 1 to 5 gallons of water per 1000 sq. ft. Apply with a properly calibrated sprayer. Begin preventative applications when conditions first favor disease and repeat at recommended interval. Do not mow and/or water treated areas until foliage is completely dry. Maintain agitation during spray operations.

If a tank mix with other fungicides is used, follow label directions for the use of that product and apply at the recommended rate for control of the target disease organism.

COMPATIBILITY

CHIPCO SIGNATURE FUNGICIDE may not be chemically compatible with foliar fertilizers or with copper-based fungicides and phytotoxicity may occur. Do not mix CHIPCO SIGNATURE FUNGICIDE with any sticker, extender, or wetting agent.

To determine the physical compatibility of CHIPCO SIGNATURE FUNGICIDE with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develops, do not use this mixture for spraying. Indication of incompatibility usually appears within 5 - 15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any products for which a tank mixture is being considered.

CHIPCO SIGNATURE FUNGICIDE is not physically compatible Rubigan™ A.S. (fenarimol; EPA Reg. No. 10163-274) and Spectro™ 90 WDG (chlorothalonil and thiophanate-methyl; EPA Reg. No. 1001-72) Fungicide as a tank mixture. These products should not be combined for application.

Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs.)

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners

Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Non-Seed Treatment Products in Non-Refillable Foil outer pouches of Water soluble Packets (WSP)

Offer foil pouch for recycling if available or dispose of empty pouch in the trash as long as WSP is unbroken.

Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons

PLASTIC CONTAINERS:

Non refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

LIQUID Dilutable formulations:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

SOLID Dilutable formulations:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Non-Seed Treatment Products in Non-Rigid, Non-refillable Containers = BAGS

Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, and Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Warranty, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury or other properly damage, or other unintended consequences, may result because of factors beyond the control of Environmental Science U.S., LLC such as weather conditions, presence of other materials or the manner of use or application. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY. No agent of Environmental Science U.S., LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE, HANDLING, OR APPLICATION OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ENVIRONMENTAL SCIENCE U.S., LLC'S ELECTION, THE REPLACEMENT OF PRODUCT.

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ALUMINUM TRIS | GROUP P07 | FUNGICIDE

PULL HERE TO OPEN

CHIPCO® SIGNATURE™

Fungicide

ACTIVE INGREDIENT:	
Aluminum tris (O-ethyl phosphonate)	80.0%
OTHER INGREDIENTS:	20.0%
TOTAL:	100.0%

EPA Reg. No. 101563-18 **EPA Est. No.**

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-424-9300.
For PRODUCT USE Information Call 1-800-331-2867.

FIRST AID

If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	• Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. • Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye injury. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. Applicators and other handlers must wear long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes plus socks, and protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic and estuarine invertebrates. Drift and runoff may be hazardous to aquatic and estuarine organisms in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters or rinsate.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Non refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

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(01)00810112100461 7

87276341
87319415B 221216AV1
Net Contents:
11 Pounds (5 Kg)

envu™

PRODUCED FOR
Environmental Science U.S., LLC
5000 CentreGreen Way, Suite 400
Cary, NC 27513

ALUMINUM TRIS | GROUP P07 FUNGICIDE

SIGNATURE™ XTRA
Stressgard®

A plant health promoting systemic fungicide.

ACTIVE INGREDIENT:
Aluminum tris (O-ethyl phosphonate): 60.00%
OTHER INGREDIENTS: 40.00%
TOTAL: 100.0%

EPA Reg. No. 101563-162 **EPA Est. No.**

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-424-9300
For PRODUCT USE Information Call 1-800-331-2867

85355422
85431722B 221216AV1

Net Contents:
5.5 Pounds

envu™

FIRST AID

If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • **DO NOT** give anything by mouth to an unconscious person.
If in eyes:	• Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical emergency for additional information call toll free 1-800-424-9300.

NOTE TO PHYSICIAN: Treat symptomatically

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash throughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Personal Protective Equipment (PPE):

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material

Engineering Controls:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Drift and runoff may be hazardous to aquatic organisms in neighboring areas. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment wash waters.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water), is:

- coveralls over long-sleeved shirt and long pants,
- socks and shoes,
- chemical-resistant gloves made of any of any waterproof material such as natural rubber ≥ 14 mils.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

DO NOT enter or allow others to enter the treated area until sprays have dried.

PRODUCT INFORMATION

Signature™ Xtra Stressgard® is a plant health promoting systemic fungicide.

For use on:

- Turf on golf courses, sod farms, sport fields, institutional, municipal, and commercial sites.

PLANT HEALTH

Signature Xtra Stressgard when applied at the prescribed rates and intervals promotes healthier roots, increases plant drought tolerance, and improves plant water utilization. This leads to a reduction in the need for hand watering and results in a savings of water use. The resulting improvement in function of these healthier roots leads to more efficient uptake of plant nutrients improving cell turgidity and results in a healthier and sturdier plant structure reducing the impact of traffic or mechanical damage. These effects are consistent with the properties of antioxidants. A property of **Signature Xtra Stressgard** is to act as an inducer of systemic resistance in plants resulting in production of plant metabolites responsible for maintaining plant processes.

Cool-season grasses including tall fescues, bluegrasses and bentgrasses are prone to damage during summer heat and summer decline leading to reduced root mass in the summer months. Turf treated with **Signature Xtra Stresssgard** retains turf quality through summer stress by alleviating plant stresses, enhancing disease resistance through induced systemic resistance and protecting the plant from the adverse effects of solar radiation.

Warm-season grasses including bermudagrass and zoysiagrass, influenced by the effects of insufficient sunlight, are prone to losing chlorophyll and premature senescence. **Signature Xtra Stressgard** reduces the negative effects of low light conditions, supports earlier spring green-up, turf fill-in and extends turf quality.

Signature Xtra Stressgard when applied in a program with turf growth regulators further enhances the overall quality of the turf.

APPLICATION INFORMATION

Signature Xtra Stressgard must be applied as a foliar spray using ground application equipment. Apply in 1 to 5 gallons of spray solution per 1000 sq. ft.

This product may cause staining. Avoid off-target sites including sidewalks, patios, driveways, pavers, or similar materials. **DO NOT** enter treated areas until spray has dried. Rinse spray equipment thoroughly with warm water and detergent.

SPRAY MIXING AND COMPATIBILITY

Signature Xtra Stressgard may not be chemically compatible with foliar fertilizers or with copper-based fungicides and phytotoxicity may occur. To determine the physical compatibility of **Signature Xtra Stressgard** with any other product, use a small container to mix a small amount (e.g. 1 pint) of spray solution, containing all ingredients in the same order and ratio as the anticipated use. If any indication of physical incompatibility develops, **DO NOT** use this mixture for spraying. Indication of incompatibility usually appears within 5 - 15 minutes after mixing. Read and follow all directions and precautions on this label and on the labels of any products for which a tank mixture is being considered.

PRODUCT USE RESTRICTIONS

- **DO NOT** exceed 6 oz product/1000 sq ft per application (9.8 lb. a.i./A).
- **DO NOT** exceed a total of 240 lbs. of product per acre (144 lb. a.i./A) per year.
- **DO NOT** exceed 14 applications per year using the maximum single application rate.
- **DO NOT** graze animals on treated turf.
- **DO NOT** feed clippings from treated turf to livestock and poultry.
- Apply by ground application equipment only.
- **DO NOT** apply by air unless directed by Supplemental or Special Local Need labeling.

TURF USE DIRECTIONS

Signature Xtra Stressgard is a systemic fungicide, which may be used in a seasonal program for the control of Pythium diseases, including blight and root rot, and yellow tuft on common turfgrasses on golf courses, sod farms, sport fields, institutional, municipal, and commercial sites. Apply as a foliar spray, using 1 to 5 gallons of spray solution per 1000 sq. ft., as indicated in the table below. Apply with a properly calibrated sprayer. Maintain agitation during spray operations.

When applying use spray nozzles that will deliver fine or larger spray droplets as defined in the American Society of Agricultural and Biological Engineers (ASABE) standard ANSI/ASAE S572.l (March 2009).

PLANT HEALTH

Signature Xtra Stressgard has a plant health component that is used for the prevention or alleviation of stress from non-optimal solar radiation and other oxidative processes on turfgrasses. Begin preventative applications prior to the occurrence of adverse weather conditions and repeat at prescribed intervals. Use higher rates prior to the onset of severe stress. **Signature Xtra Stressgard** does not replace the use of soil amending adjuvants for soil hydrophobicity and must be used in conjunction with best turf management practices.

STRESS MANAGEMENT	RATE OZ PRODUCT / 1000 SQ FT	INTERVAL OF APPLICATIONS (DAYS)	APPLICATION INSTRUCTIONS
Stresses including • Reduced solar radiation** • high solar radiation** • high wilt potential** • winter cold injury*, ** • hot and humid weather • traffic wear • physical or mechanical damage • injury from the use of turf growth regulators*, ** • injury from disease** • reduced mowing heights	2 - 4 oz product / 1000 sq ft (3.3 - 6.5 lb a.i. / A)	7 - 14	Extend application interval beyond 14 days when climatic conditions are less favorable for turf growth. **DO NOT** mow or irrigate treated area until sprays have completely dried.
	4 - 6 oz product / 1000 sq ft (6.5 - 9.8 lb a.i. / A)	14 - 21	

*Apply after damage has occurred
** Stress management not applicable for use in California

APPLICATIONS FOR TURF DISEASES

DISEASE	RATE OZ PRODUCT / 1000 SQ FT	INTERVAL OF APPLICATIONS (DAYS)	APPLICATION INSTRUCTIONS
Pythium diseases, Yellow tuft	2 - 4 oz product / 1000 sq ft (3.3 - 6.5 lb a.i. / A)	7-14	Begin preventive foliar spray application when conditions first favor disease and repeat at prescribed interval. Use the highest rate for the longer interval. **DO NOT** mow or irrigate treated area until sprays have completely dried.
	4 - 6 oz product / 1000 sq ft (6.5 - 9.8 lb a.i. / A)	14 - 21	
Bacterial Wilt	2 - 4 oz product / 1000 sq ft (3.3 - 6.5 lb a.i. / A)	7	Use the more frequent interval when severe symptoms appear.
	6 oz product / 1000 sq ft (9.8 lb a.i. / A)	14	

USE AS A RESISTANCE MANAGEMENT TOOL

For resistance management, please note that **Signature Xtra Stressgard** contains a Group P07 fungicide. Any fungal population may contain/develop individuals naturally resistant to **Signature Xtra Stressgard** and other Group P07 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- For further information or to report suspected resistance contact Environmental Science U.S., LLC at 1-800-331-2867. You can also contact your pesticide distributor or university extension specialist to report resistance.

TANK MIXTURES

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

A **Signature Xtra Stressgard** program encourages the development of a thick, vigorous turf stand that is better able to tolerate various stresses (including heat, humidity, drying winds, traffic, etc.) that can have a negative effect on turf health. A thick, vigorous **Signature Xtra Stressgard** treated turf is better able to resist disease development and suppress the development of other pests including weeds and algae.

Summer Decline: For control of summer decline caused by a complex of *Pythium* and *Rhizoctonia* diseases, **Signature Xtra Stressgard** can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. **DO NOT** exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.
Anthracnose: For improved control of anthracnose **Signature Xtra Stressgard** can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. A preventative, multi-application program must be started prior to the appearance of the disease and the conditions favorable to anthracnose.
Bentgrass Dead Spot: For control of bentgrass dead spot, **Signature Xtra Stressgard** can be tank-mixed with the products listed below in accordance with the most restrictive of label limitations and precautions. A preventative, multi-application program must be started prior to the appearance of the disease and the conditions favorable for development of bentgrass.

PRODUCT*	DISEASE	APPLICATION INTERVAL
Signature™ Xtra Stressgard® at 2 - 4 oz / 1000 sq ft (3.3 - 6.5 lbs a.i./A). + 26 GT (EPA Reg. # 432-888; iprodione) or Interface Stressgard (EPA Reg. # 432-1505; iprodione and trifloxystrobin) or Tartan® Stressgard® (EPA Reg. # 432-1446; triadimefon and trifloxystrobin) or Mirage® Stressgard® (EPA Reg. # 432-1529; tebuconazole) or Daconil Ultrex® (EPA Reg. # 50534-202-100; chlorothalonil) or Daconil Action® (EPA Reg. # 100-1364; acibenzolar-s-methyl and chlorothalonil) or Fore® Rainshield® (EPA Reg. # 62719-388; mancozeb)	Summer Decline (*Pythium* and *Rhizoctonia* spp.) and/or Anthracnose (*Colletotrichum graminicola*)	7-14 days
Signature™ Xtra Stressgard® at 2 - 4 oz / 1000 sq ft (3.3 - 6.5 lbs a.i./A). + Interface® Stressgard® (EPA Reg. # 432-1505; iprodione and trifloxystrobin) or Fore® Rainshield® (EPA Reg. # 62719-388; mancozeb) or Daconil Ultrex® (EPA Reg. # 50534-202-100; chlorothalonil)	Leaf Spots Bermudagrass Decline	

*See tank mix partner product labels for suggested rate structure for each disease listed when tank mixing with **Signature Xtra Stressgard**.

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.
By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.
CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Environmental Science U.S., LLC. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.
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STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE

Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

PESTICIDE DISPOSAL

Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.

CONTAINER HANDLING

Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs.)

Non-refillable container. **DO NOT** reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Top Discharge IBC, Drums, Kegs (e.g. – Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners

Non-refillable container. **DO NOT** reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Non-Seed Treatment Products in Non-Refillable Foil outer pouches of Water soluble Packets (WSP)

Offer foil pouch for recycling if available or dispose of empty pouch in the trash as long as WSP is unbroken.

Rigid Non-Refillable containers with capacities smaller or equal to 5 gallons

PLASTIC CONTAINERS:

Non refillable container. **DO NOT** reuse or refill this container. Tripled rinse container (or equivalent) promptly after emptying.

SOLID Dillutable formulations:

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Non-Seed Treatment Products in Non-Rigid, Non-refillable Containers = BAGS

Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

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PRODUCED FOR
Environmental Science U.S., LLC
5000 CentreGreen Way, Suite 400
Cary, NC 27513

envu™

ALUMINUM TRIS | GROUP P07 | FUNGICIDE

OPEN HERE

SIGNATURE™ XTRA
Stressgard®

A plant health promoting systemic fungicide.

ACTIVE INGREDIENT:
Aluminum tris (O-ethyl phosphonate):..... 60.00%
OTHER INGREDIENTS: 40.00%

TOTAL: **100.0%**

EPA REG. NO. 101563-162 **EPA Est. No.**

KEEP OUT OF REACH OF CHILDREN
CAUTION

See Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-424-9300
For PRODUCT USE Information Call 1-800-331-2867

FIRST AID

If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • **DO NOT** give anything by mouth to an unconscious person.
If in eyes:	• Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical emergency for additional information call toll free 1-800-424-9300.

NOTE TO PHYSICIAN: Treat symptomatically.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION
Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash throughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENVIRONMENTAL HAZARDS
Drift and runoff may be hazardous to aquatic organisms in neighboring areas. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.**DO NOT** contaminate water when disposing of equipment wash waters.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage and disposal.
PESTICIDE STORAGE
Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.
PESTICIDE DISPOSAL
Pesticides wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance in proper disposal methods.
CONTAINER HANDLING
Non refillable container. **DO NOT** reuse or refill this container. Tripled rinse container (or equivalent) promptly after emptying.
Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.
Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

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Net Contents:
5.5 Pounds

envu™

PRODUCED FOR
Environmental Science U.S., LLC
5000 CentreGreen Way, Suite 400
Cary, NC 27513

Harrell'sProtectMAX™ Chlorothalonil 6L

TURF & ORNAMENTAL FUNGICIDE

Group M5 Fungicide

Active Ingredient: Chlorothalonil (tetrachloroisophthalonitrile)	54.0%
Other Ingredients:	46.0%
Total:	100.0%

Contains 6.0 pounds Chlorothalonil per gallon (720 grams per liter)

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID	
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
Emergency phone numbers	(800) 222-1222 Poison Control Center (human health) (800) 424-9300 CHEMTREC (transportation and spills)
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Persons having a temporary allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.	
See additional Precautionary Statements and Directions for Use inside booklet.	

EPA Reg. No. 60063-7-52287
EPA Est. No. 70989-AR-001 (Lot No. begins with OS)
EPA Est. No. 86555-MO-001 (Lot No. begins with AF)
EPA Est. No. 70815-GA-001 (Lot No. begins with CB)
EPA Est. No. 60063-GA-001 (Lot No. begins with VL)
EPA 11-15-2017 (9/18)

Distributed by: Harrell's, LLC, P.O. Box 807, Lakeland, FL 33802

NET CONTENTS: 2.5 Gallons (9.46 L)

#HPMCLT-6L 06/19

READ THE LABEL CAREFULLY BEFORE OPENING THE CONTAINER

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | (800) 282-8007 | Harrells.com

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Warning. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Do not breathe spray mist.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and all other handlers must wear:
- Long-sleeved shirt and long pants;
- Shoes plus socks;
- Protective eye wear;
- Chemical-resistant gloves made of waterproof material, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride, or viton.
- A NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P, or HE prefilter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates and wildlife. DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. DO NOT contaminate water when disposing of equipment washwater or rinsate.

Chlorothalonil can contaminate surface water through spray drift. DO NOT apply when weather conditions favor drift from treated areas. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

Chlorothalonil degradates are known to leach through soil into ground water under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

DO NOT apply this product in a way that will contact workers or other persons, or pets, either directly or through drift. Only protected handlers may be in the area during applications. For any requirements specific to your State or Tribe, consult the Agency responsible for pesticide regulation.

DO NOT use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, recreational park athletic fields, athletic fields located on or next to schools (ie., elementary, middle and high schools), campgrounds, churches, and theme parks.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the REI of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant gloves made of any waterproof materials, shoes plus socks, and protective eyewear.

Special Eye Irritation Provisions: This product is a severe eye irritant. Although the restricted-entry interval expires after 12 hours, for the next 6½ days entry is permitted only when the following safety measures are provided:
At least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required decontamination site intended for workers entering the treated area. Workers must be informed, in a manner they can understand:
- that residues in the treated area may be highly irritating to their eyes;
- that they must take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes;
- that if they do get residues in their eyes, they must immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water; and
- how to operate the eyeflush container.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170):
Do not enter or allow others to enter into treated areas until spray deposits have dried.

This product must not be applied within 150 feet (for aerial and air-blast applications), or 25 feet (for ground applications) from marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.
1. The distance of the outer most nozzles on the boom must not exceed ¾ the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
Where states have more stringent regulations, they must be observed.

AERIAL DRIFT INFORMATION

INFORMATION ON DROPLET SIZE
The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly, or under unfavorable conditions (see Wind, Temperature and Humidity sections).

CONTROLLING DROPLET SIZE
- Volume- Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure- Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles- Use the minimum number of nozzles that provide uniform coverage.
- Nozzle orientation- Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle type- Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift potential.

BOOM LENGTH
For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT
Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

SWATH ADJUSTMENT
When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, small drops, etc.).

WIND
Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY
When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS
Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

INTEGRATED PEST MANAGEMENT
This product is an excellent disease control agent when used according to label directions for control of a broad spectrum of plant diseases. This product is recommended for use in programs that are compatible with the principles of Integrated Pest Management (IPM), including the use of disease resistant crop varieties, cultural practices, pest scouting and disease forecasting systems which reduce unnecessary applications of pesticides.

FUNGICIDE RESISTANCE MANAGEMENT
This product is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides which are at risk from disease resistance exhibit a single-site mode of fungicidal action. This product, with a multi-site mode of action, may be used to delay or prevent the development of resistance to single-site fungicides. Consult with your federal or state Cooperative Extension Service representatives for guidance on the proper use of this product in programs which seek to minimize the occurrence of disease resistance to other fungicides.

MIXING, LOADING AND APPLYING
This product is intended to be diluted into water, then applied to crops by typical agricultural spraying techniques. **Always apply this product in sufficient water to obtain thorough, uniform coverage of foliage and crop surfaces intended to be protected from disease.** Spray volume to be used will vary with crop and amount of plant growth. For field and row crops, spray volume should normally range from 20 to 150 gallons per acre (200 to 1400 liters per hectare) for dilute sprays and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays and aircraft applications. For fruit and nut crops, the maximum volume is 300 gallons per acre unless indicated otherwise in the crop directions. For conifers,

the maximum volume is 100 gallons per acre. Both ground and aircraft methods of application are recommended unless specific directions are given for a crop.

Slowly invert container several times to assure uniform mixture. Measure the required amount of this product and pour into the spray tank during filling. Keep agitator running when filling spray tank and during spray operations.

Do not use on greenhouse-grown crops except as directed in the Ornamental Plants section of this label.

TANK MIXING

When tank mixing this product with other pesticides, observe the more restrictive label limitations and precautions. DO NOT exceed label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

Do not combine this product in sprayer tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. Do not combine this product with Dipel 4L, Triton AG-98, Triton B-1956, Latron AG-98 or Latron B-1956, as phytotoxicity may result from the combination when applied to the crops on this label. DO NOT tank mix this product with oil, or with any adjuvants which contain oil as their principal ingredient. When an adjuvant is to be used with this product, Harrell's, LLC recommends the use of a Chemical Producers and Distributors Association (CPDA) certified adjuvant. Do not use with Copper-Count N in concentrated spray suspensions.

APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS (CHEMIGATION)

Application through sprinkler irrigation systems is recommended only for those specific crops for which chemigation is listed in the application directions in the crop charts.

Apply this product only through center pivot, motorized lateral move, traveling gun, solid set and portable (wheel move, side roll, end tow, or hand move) irrigation system(s). DO NOT apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

DO NOT apply this product through irrigation systems connected to a public water system. 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

Always inject this product into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. DO NOT apply when wind speed favors drift beyond the area intended for treatment.

This product may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

A. Center Pivot, Motorized Lateral Move and Traveling Gun Irrigation Equipment

For injection of pesticides, these continuously moving systems must use a metering pump, such as a positive displacement injection pump of either diaphragm or piston type, constructed of materials that are compatible with pesticides, fitted with a system interlock, and capable of injection at pressures approximately 2 to 3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered. Thoroughly mix recommended amount of this product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until this product has been cleared from last sprinkler head.

B. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of this product for acreage to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. No agitation should be required.

This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until this product has been cleared from last sprinkler head.

Application Rates

Dosage rates on this label indicate pints of this product per acre, unless otherwise stated. Under conditions favoring disease development, the high rate specified and shortest application interval should be used.

For each listed crop, the maximum total amount of chlorothalonil active ingredient (lbs a.i./A) which may be applied per acre of that crop (or crop group) during each year is listed in the Use Restriction section for that crop. For each crop use situation listed below, the listed maximum individual and seasonal application rates must not be exceeded and the listed minimum retreatment intervals must not be decreased.

CONIFERS (INCLUDING CHRISTMAS TREES)

Apply this product in sufficient water and with proper calibration to obtain uniform coverage of tree canopy. Application with ground equipment is preferable to aerial application because ground applications generally give better coverage of the tree canopy. If application with ground equipment is not feasible, this product may be applied with aircraft using at least 20 gallons of spray per acre. When concentrate sprays are used or when treating non-bearing or immature trees, use the lower rate of this product listed for the crop being treated.

DO NOT allow livestock to graze in treated areas.

DO NOT apply this product within one week before or after application of oil or an oil-based pesticide.

DISEASES	RATE	APPLICATION DIRECTIONS
Swiss needlecast *(Phaeocryptopus gaeumannii)*	2.75 to 5.5 pints/acre	Single application technique: In Christmas tree plantations make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
Scleroderris canker (pines) *(Gremeniella abietina)* Swiss needlecast *(Phaeocryptopus gaeumannii)*	1.5 to 2.75 pints/acre	Make the first application in spring when new shoot growth is 1/2 to 2 inches in length. Make additional applications at 3 to 4 week intervals until conditions no longer favor disease development. For use in nursery beds, apply the highest rate specified on a 3 week schedule.
Sirococcus tip blight *(Sirococcus conigenus)*	2 to 3.5 pints/acre	
Rhizosphaera needlecast (spruces) *(Rhizosphaera spp.)* Scirrhia brown spot (pines) *(Mycosphaerella dearnessii)*	5.5 pints/acre	
Cyclaneusma and Lophodermium needlecasts (pines)	2.75 to 5.5 pints/acre	Apply in early spring prior to budbreak. Repeat applications at approximately 6 to 8 week intervals, until spore release ceases in late fall. Apply monthly during periods of frequent rainfall, and where Lophodermium infections occur during dormancy (Pacific Northwest). During drought periods, applications may be suspended, then resumed upon next occurrence of needle wetness.
Rhabdocline needlecast (Douglas-fir)	1.5 to 2.75 pints/acre	Apply at budbreak and repeat at 3 to 4 week intervals until needles are fully elongated and conditions no longer favor disease development. In plantations of mixed provenance, or when irregular budbreak occurs, apply weekly until all trees have broken bud, then every 3 to 4 weeks as specified above. In nursery beds, use the high rate on a 3 week schedule.
Botrytis seedling blight *(Botrytis spp.)* Phoma twig blight *(Phoma spp.)*	2.75 pints/acre	Begin applications in nursery beds when seedlings are 4 inches tall and when cool, moist conditions favor disease development. Make additional applications at 7 to 14 day intervals as long as disease favorable conditions persist.
Autoecious needle rust (Weir's cushion) (spruces) *(Chrysomyxa weirii)*	5.5 pints/acre	Begin applications when 10% of buds have broken and repeat twice thereafter at 7-10 day intervals.

USE RESTRICTIONS:

- Apply by air or ground.
- Spray Volume (gallons/acre) = 5 to 10 (concentrate ground or aircraft) to 100 (dilute)
- DO NOT apply more than 16.5 lbs. a.i./A per year.
- Apply only to conifers in: conifer nursery beds, Christmas tree and bough production plantations, tree seed orchards and landscape situations.
- **Do not use on forests.**

TURFGRASSES

- DO NOT use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, recreational park athletic fields, athletic fields located on or next to schools (ie., elementary, middle and high schools), campgrounds, churches, and theme parks.
- Sodfarm turf treated with chlorothalonil prior to harvest must be mechanically cut, rolled and harvested.
- DO NOT use for sodfarms at application rates greater than 13 pounds of active ingredient, per acre, per year.

• DO NOT apply more than the following totals of chlorothalonil active ingredient from all registered product sources to the indicated types of turfgrass:

TYPE OF TURFGRASS	TOTAL CHLOROTHALONIL AI / ACRE / YEAR
Golf Course Greens	73 lbs
Golf Course Tees	52 lbs
Golf Course Fairways	26 lbs
Sod Farms	13 lbs
Other Turf	26 lbs

Apply this product in 90 to 450 gallons of water per acre on golf course greens and tees, and 30 to 100 gallons of water per acre on fairways, lawns and other turfgrass. **Apply with ground equipment only.**

Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below. DO NOT mow or irrigate after treatment until spray deposit on turfgrass is thoroughly dry. This product should always be used in conjunction with good turf management practices.

DISEASES* CONTROLLED	INTERVAL OF APPLICATION	GOLF COURSE GREENS & TEES RATE PER 1,000 SQ.FT.	GOLF COURSE FAIRWAYS, LAWNS & OTHER TURFGRASS RATE PER ACRE
1. Dollar spot 2. Brown patch 3. Leaf spot, Melting-out, Brown blight 4. Gray leaf spot	7-14 days	2 to 3.6 fluid ounces (4.1 to 7.3 lbs a.i./acre)	5.5 to 9.75 pints (4.1 to 7.3 lbs a.i./acre)
5. Red thread 6. Anthracnose 7. Copper spot 8. Stem rust (bluegrass) 9. Dichondra leaf spot	7 days or 14 days	3.6 fluid ounces or 5.5 fluid ounces (7.3 or 11.3 lbs a.i./acre)	9.75 pints or 15 pints (7.3 or 11.3 lbs a.i./acre)

*Diseases listed are caused by fungi, some of which are named as follows:
1. Dollar spot: *Sclerotinia homeocarpa; Lanzia* or *Moellerodiscus* spp.
2. Brown patch: *Rhizoctonia solani, R. zeae, R. cerealis*
3. Leaf spots, Melting-out, Brown blight: *Drechslera spp.* (including *D. poae, D. siccans), Bipolaris sorokiniana, Curvularia spp.*
4. Gray leaf spot: *Pyricularia grisea, P. oryzae*
5. Red thread: *Laetisaria fuciformis*
6. Anthracnose: *Colletrotrichum graminicola*
7. Copper spot: *Gloeocercospora sorghi*
8. Stem rust: *Puccinia graminis*
9. Dichondra leaf spot: *Alternaria spp.*

Gray Snow Mold caused by Typhula spp.: Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 square feet). Apply 5.5 fluid ounces of this product per 1,000 square feet of turf area (15 pints per acre). Application must be made before snow cover in autumn. If snow cover is intermittent or lacking during the winter, re-apply this product at monthly intervals until Gray Snow Mold conditions no longer prevail. In areas where Pink Snow Mold (Microdochium or Fusarium patch) is likely to occur, apply this product at 5.5 fluid ounces in combination with products containing iprodione at 2 ounces active ingredient, per 1,000 square feet of turf area. Read and observe all label directions for products containing these active ingredients.

Fusarium (Microdochium) Patch: This product is effective against Fusarium patch only in areas where snow cover is intermittent or lacking during the winter. Apply 5.5 fluid ounces of this product per 1,000 square feet of turf area. Begin applications in late autumn and re-apply at 21 to 28 day intervals until conditions favorable for Fusarium patch no longer prevail.

Algal scum: Apply this product at 2 to 3.6 fluid ounces per 1,000 square feet on a 7 to 14 day schedule. When colonies of algae are well established, every attempt should be made to dry out the afflicted area. Once dry, spiking or verticutting should be done to enhance turfgrass recovery in conjunction with the use of this product. Several applications of this product at the high rate may be necessary for turfgrass recovery. When environmental conditions are favorable for algae growth, a preventive program with this product will suppress re-colonization of the turf.

ORNAMENTAL PLANTS

Apply this product at a rate of 1-3/8 pints per 100 gallons of water unless other directions are given in the tables below. Apply enough diluted spray per acre to provide thorough coverage of all plant parts that are intended to be protected from disease, generally ranging from 20 to 150 gallons per acre. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable for disease. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply this product at 7 day intervals. **DO NOT apply more than a total of 36.4 lbs chlorothalonil active ingredient per acre per year on field-grown ornamentals.**
Fruits and other structures which may be borne on treated plants **MUST NOT BE EATEN**.

This product may be used in greenhouses for ornamental plants only. DO NOT use mistblowers or high pressure spray equipment when making applications of this product in greenhouses.

This product is recommended for control of fungal diseases referred to by numbers in parentheses following each type of ornamental plant. The user should test for possible phytotoxic responses, using recommended rates on each type of ornamental plant on a small area prior to widespread use. Applications made during bloom may damage flowers and/or fruits.

ORNAMENTALS RECOMMENDED FOR TREATMENT WITH THIS PRODUCT

Broadleaf Shrubs and Trees		
Andromeda *(Pieris)* (4)	Flowering almond (1,2)	Oregon-grape *(Mahonia)* (6)
Ash *(Fraxinus)* (1)	Flowering cherry (1,2)	Red-tip *(Photinia)* (1)
Aspen (1)	Flowering peach (1,2)	Poplar (1)
Azalea (1,2,4)	Flowering plum (1,2)	Privet *(Ligustrum)* (1)
Buckeye, Horsechestnut (1)	Flowering quince (1,2)	Rhododendron (1,2,4)
Camellia (2)	Hawthorn (1,6)	Sand cherry (1,2)
Cherry-laurel (1)	Holly (1)	Sequoia (1)
Crabapple (1,6)	Lilac (5)	Spirea (1)
Dogwood (1)	Magnolia (1)	Sycamore, Planetree (1)
Eucalyptus (3)	Maple (1)	Viburnum (5)
Euonymus (1)	Mountain laurel (1)	Walnut *(Juglans)* (1)
Firethorn *(Pyracantha)* (1)	Oak (red group only) (1,7)	

Flowering[a] Plants and Bulbs		
Arabian violet (2)	Gladiolus (1,2)	Petunia (1,4)
Begonia (1)	Hollyhock (6)	Phlox (1)
Carnation (1,2)	Hydrangea (foliage only) (1,6)	Poinsettia[b] (1)
Chrysanthemum (1,2)	Iris (1,2)	Rose[c] (1)
Crocus (1)	Lily (1)	Statice (1)
Daffodil (1)	Marigold (1)	Tulip (1)
Daisy (1)	Narcissus (1)	Zinnia (1,5)
Geranium (1,6)	Pansy (1)	

a/ Avoid applications during bloom period on plants where flower injury is unacceptable.
b/ Discontinue applications prior to bract formation; phytotoxicity is possible on the bracts.
c/ Use 1 pint of this product per 100 gallons of water.

Foliage Plants		
Aglaonema (1)	Ficus (1)	Parlor palm *(Chamaedorea)* (1)
Areca palm (1)	Florida ruffle fern (1)	Peperomia (1)
Artemesia (1)	Leatherleaf fern (1)	Philodendron (1,4)
Boston fern *(Nephrolepis)* (1)	Lipstick plant (1)	Prayer plant *(Maranta)* (1)
Dracaena (1)	Ming aralia (1)	Syngonium (1)
Dumbcane *(Dieffenbachia)* (1)	Oyster plant *(Rhoeo)* (1)	Zebra plant *(Aphelandra)* (1)
Fatsia *(Aralia)* (1)	Pachysandra[d] (1)	

d/ Use 2-3/4 pints of this product per 100 gallons of water.

Diseases controlled with this product:

1. Leafspots & Foliar Blights:		
Actinopelte leafspot	Curvularia leafspot	Mycosphaerella ray blight
Alternaria leafspot or leaf blight	Dactylaria leafspot	Myrothecium leafspot, brown rot
Anthracnose *(Gnomonia,Glomerella, Colletotrichum, Discula)* blights	Didymellina leafspot	Phyllosticta leafspot
Black spot *(Diplocarpon)*	Drechslera *(Bipolaris)* leafspots, inkspot	Ramularia leafspot
Botrytis blights	Fabraea (Entomosporium) leafspot	Rhizoctonia web blight
Cephalosporium leafspot	Fusarium *(Gibberella)* leafspot	Scab (Venturia)
Cercospora leafspot	Gloeosporium black leafspot	Septoria leafspot
Cercosporidium leafspot	Marssonina leafspot	Sphaeropsis leafspot
Shothole *(Stigmina)*	Monilinia blossom blight, twig blight	Stagonospora leaf scorch
Corynespora stem & leafspots		Tan leafspot *(Curvularia)*
		Volutella leaf blight

2. Flower Spots & Blights:		
Botrytis flower spot, flower blight	Monilinia blossom blight	Rhizopus blossom blight
Curvularia flower spot	Ovulinia flower blight	Sclerotinia flower blight

3. Cylindrocladium stem canker

4. Phytophthora leaf blight, dieback

5. Powdery mildews:

Erysiphe cichoracearum	*Sphaerotheca fuliginea*	*Microsphaera* spp.

6. Rusts:

Gymnosporangium spp.	*Pucciniastrum hydrangeae*	*Puccinia* spp.

7. Taphrina blister

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool place. Protect from excessive heat.

Pesticide Disposal: Pesticide wastes are toxic. Open dumping is prohibited. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling:
Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration.

WARRANTY AND LIMITATION OF DAMAGES

CONDITIONS OF SALE: To the extent consistent with applicable law, Harrell's, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Harrell's, LLC.

Harrell's, LLC disclaims all other warranties, express or implied. to the extent consistent with applicable law, Harrell's, LLC shall not be liable for consequential, special, or indirect damages resulting from the use or handling of this product, and Harrell's, LLC's sole liability and buyer's and user's exclusive remedy shall be limited to the refund of the purchase price. buyer and user acknowledge and assume all risks and liability resulting from handling, storage and use of this product. Harrell's, LLC does not authorize any agent or representative to make any other warranty, guarantee or representation concerning this product.



WARNING: This product can expost you to chemicals including chlorothalonil, which is known in the State of California to cause cancer. For mor information go to www.P65Warnings.ca.gov.

Dipel is a registered trademark of Valent Biosciences Corporation.
Latron and Triton are registered trademarks of Dow Agrosciences LLC.
Copper-Count N is a registered trademark of Mineral Research and Development Corporation.

Harrell's ProtectMAX™ is a trademark and Growing a Better World® is a registered trademark of Harrell's LLC.

Harrell'sProtectMAX™ Azoxy 2SC

Azoxystrobin	Group	11	Fungicide

TURF & ORNAMENTAL FUNGICIDE

For control of listed diseases on Turf; Golf courses; Lawns and landscape areas around residential, institutional, public, commercial and industrial buildings; Parks; Recreational areas; Athletic fields; Ornamentals; Conifers including Christmas trees; and Roses, commercial rose production

ACTIVE INGREDIENT:	
Azoxystrobin: methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*	22.93%
OTHER INGREDIENTS:	77.07%
TOTAL:	100.0%

*IUPAC

Contains 2.08 lbs. Azoxystrobin per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment. Emergency phone numbers: (800) 424-9300 CHEMTREC (transportation and spills) (800) 222-1222 Poison Control Center

See additional Precautionary Statements and Directions for Use inside booklet.

EPA Reg. No. 60063-59-52287
EPA Est. No.: 86555-MO-1 – Lot number begins with AF
EPA Est. No.: 70815-GA-1 – Lot number begins with CB
EPA Est. No.: 62171-MS-1 – Lot number begins with OI
EPA Est. No.: 70989-AR-1 – Lot number begins with OS
EPA Est. No.: 70989-MO-1 – Lot number begins with ST
EPA Est. No.: 39578-TX-1 – Lot number begins with SU
EPA Est. No.: 72344-MO-4 – Lot number begins with TR
EPA Est. No.: 60063-GA-1 – Lot number begins with VL
EPA 20201020 (10/20)

NET CONTENTS: 1 Gallon (3.79 L)

LABEL CODE #HPMAZ0 11/20

READ THE LABEL CAREFULLY BEFORE OPENING THE CONTAINER

Harrell's Growing a Better World®

Distributed by:
Harrell's, LLC, P.O. 807, Lakeland, FL 33802

Job 205096

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Warning. May be fatal if swallowed. Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Human flagging is prohibited.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

All handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils
- In addition, mixers/loaders/applicators using mechanically pressurized handwands except when applying to Christmas tree farms, nursery ornamentals, landscaping, must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

Respirator fit testing, medical qualification, and training

Using a program that conforms to OSHA's requirements (see 29 CFR Part), employers must verify that any handler who uses a respirator is:

- Fit-tested and fit-checked,
- Trained, and
- Examined by a qualified medical practitioner to ensure physical ability to safely wear the style of respirator to be worn. A qualified medical practitioner is a physician or other licensed health care professional who will evaluate the ability of a worker to wear a respirator. The initial evaluation consists of a questionnaire that asks about medical conditions (such as a heart condition) that would be problematic for respirator use. if concerns are identified, then additional evaluations, such as a physical exam, might be necessary. The initial evaluation must be done before respirator use begins. Handlers must be reexamined by a qualified medical practitioner if their health status or respirator style or use conditions change.

Upon request by local/state/federal/tribal enforcement personnel, employers must provide documentation demonstrating how they have complied with these requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

USER SAFETY REQUIREMENTS

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Azoxystrobin is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Azoxystrobin can be persistent for several months or longer.

DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA.

For terrestrial uses **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory

Azoxystrobin and a degradate of azoxystrobin are known to leach through soil to ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of azoxystrobin and a degradate of azoxystrobin from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Notify State and/or Federal authorities and Harrell's, LLC immediately if you observe any adverse environmental effects due to use of this product.

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use of this product through airblast application equipment on grapes is prohibited in the following townships and boroughs of Erie County, Pennsylvania: North East, Harborcreek, Lawrence Park, Erie, Presque Isle, Millcreek, Fairview, Girard, and Springfield.

This prohibition is intended to help eliminate phytotoxicity problems with apples observed in this geographic location.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval and notification to workers. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The area being treated must be vacated by unprotected persons.

DO NOT treat while unprotected humans or domestic animals are present in the treatment areas. Because certain states may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.

DO NOT allow entry into treatment area until the area that was treated with this product is dried.

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PRODUCT INFORMATION

This product is a broad spectrum, preventative fungicide with systemic and curative properties. This product may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered crop protection products. All applications must be made according to the use directions that follow.

RESTRICTIONS

- **DO NOT** graze or feed clippings from treated turf areas to animals.
- This product is extremely phytotoxic to certain apple varieties. AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees and apple fruit. **DO NOT** spray this product where spray drift may reach apple trees. **DO NOT** use spray equipment which has been previously used to apply this product to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.
- Aerial and/or chemigation application to sod is prohibited.

SPRAY DRIFT

Aerial Applications:

- **DO NOT** release spray at a height greater than 10 ft. above the ground or crop canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to select nozzles that deliver Medium to coarse spray droplets in accordance with ASABE Standard S-572.1.
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply during temperature inversions.

Groundboom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Airblast Applications:

- Sprays must be directed into the canopy.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer rows.
- Do not apply during temperature inversions.

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SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT - Ground Boom

- For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

- Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

- Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

- When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

- Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

- Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

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MIXING, LOADING AND APPLYING

This product is intended to be diluted into water and then applied to crops by typical agricultural spraying techniques. Always apply this product in sufficient water to obtain thorough, uniform coverage of foliage and crop surfaces intended to be protected from disease. Spray volume to be used will vary with crop and amount of plant growth. Spray volume must normally range from 20 to 150 gallons per acre (200 to 1400 liters per hectare) for dilute sprays and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays and aircraft applications. Both ground and aircraft methods of application are acceptable unless specific directions are given for a crop.

Slowly invert container several times to assure uniform mixture. Measure the required amount of this product and pour into the spray tank during filling. Keep agitator running when filling spray tank and during spray operations.

It is necessary to thoroughly apply the product in order to provide good disease control. **DO NOT** prepare more spray solution than is needed for application. Avoiding spray overlap will reduce the potential for crop injury.

Tank Mixing

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

When tank mixing this product with other pesticides, observe the more restrictive label limitations and precautions. **DO NOT** exceed any label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

DO NOT combine this product in the sprayer tank with pesticides, surfactants or fertilizers, unless prior use has shown the combination to be physically compatible, non-injurious and effective under similar use conditions. **DO NOT** combine this product with other products that contain Bacillus thuringiensis subsp. kurstaki strain ABTS-351, as the combination may result in phytotoxicity when applied to the crops listed on this label. **DO NOT** tank mix this product with oil or with any adjuvants which contain oil as their principal ingredient.

When mixed with EC (emulsifiable concentrate) formulations, this product may be phytotoxic to other crops listed on this label, especially when applied during cool, cloudy conditions that last for several days. Adjuvants containing silicone could also have phytotoxic effects. When an adjuvant is used with this product, use a Council of Producers and Distributors of Agrotechnology (CPDA) certified adjuvant.

Applications through Sprinkler Irrigation Systems (Chemigation)

Apply this product only through center pivot, motorized lateral move, traveling gun, solid set and portable (wheel move, side roll, end tow, or hand move) irrigation system(s). **DO NOT** apply this product through any other type of irrigation system. Use only on crops specifically designated in the **Crop Use Directions.**

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

DO NOT apply this product through irrigation systems connected to a public water system. 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

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Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation must be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

Always inject this product into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

This product may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

A. Center Pivot, Motorized Lateral Move and Traveling Gun Irrigation Equipment

For injection of pesticides, these continuously moving systems must use a metering pump, such as a positive displacement injection pump of either diaphragm or piston type, constructed of materials that are compatible with pesticides, fitted with a system interlock, and capable of injection at pressures approximately 2 to 3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered. Thoroughly mix the specified amount of this product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run but continue to operate irrigation system until this product has been cleared from the last sprinkler head.

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B. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment

With stationary systems, an effectively designed in-line Venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a 30 – 45 minute period. Mix desired amount of this product for acreage to be covered with water so that the total mixture of this plus water in the injection tank is equal to the quantity of water used during calibration and operate entire system at normal pressures specified by the manufacturer of injection equipment used for the amount of time established during calibration. No agitation should be required. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until this product has been cleared from the last sprinkler head.

INTEGRATED PEST / DISEASE MANAGEMENT

This product provides excellent control of fungal diseases when used according to label directions for control of a broad spectrum of plant diseases. This product is for use in programs that are compatible with the principals of Integrated Pest Management (IPM), including the use of disease resistant crop varieties, cultural practices, pest scouting, and disease forecasting systems which reduce unnecessary applications of pesticides.

RESISTANCE MANAGEMENT

For resistance management, Azoxy 2SC contains azoxystrobin, a QoI Group 11 fungicide. Any fungal population may contain individuals naturally resistant to Azoxy 2SC and other QoI Group 11 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

Fungal isolates with acquired resistance to Group 11 may eventually dominate the fungal population if Group 11 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. Cross resistance has been shown between all members of the QoI fungicides. Since QoI fungicides are a high risk for resistance, this may result in partial or total loss of control of those species.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 11 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance - management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact your local Harrell's, LLC representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

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Follow the crop specific resistance management guidance listed in the Crop Use Directions table. If resistance management guidance is not specified in the Crop Use Directions table, then follow the guidance provided in the table below.

Total fungicide applications planned per crop	1	2	3	4	5	6	7	8	9	10	11	12
Applications of QoI fungicides applied alone	1	1	2	2	2	2	2	3	3	3	3	4
Applications of QoI fungicides applied in mixture (tank-mix or formulated)	1	2	2	2	2	3	3	4	4	5	5	6

When multiple applications are required during the year, spray programs for Group 11 (QoI) fungicides must be developed. When two sequential applications of Group 11 fungicides are made, they must be alternated with two or more applications of a fungicide that is not a Group 11 fungicide. If more than 12 applications are made during the year, observe these guidelines:

- When applying Group 11 (QoI) fungicides alone, the number of applications must not exceed more than 1/3 of the total number of fungicide applications per year.
- When applying Group 11 (QoI) fungicides in tank mixes or premixes with mixing partners of different modes of action, the number of QoI containing applications must not exceed more than ½ of the total number of fungicide applications per year.
- When applying Group 11 (QoI) fungicides both alone and in mixtures, the number of QoI containing applications must not exceed 50% of the total number of fungicide applications per year.

When applying a Group 11 fungicide to seed or soil, wait at least 3 weeks before making another application with a Group 11 fungicide.

TURF

This product is for control of labeled diseases on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

Integrated Pest (Disease) Management

Integrate this product into an overall disease and pest management strategy whenever the use of a fungicide is required. Follow cultural practices known to reduce disease development, including varieties with disease resistance, removal of plant debris in which inoculums overwinter, and proper timing and placement of irrigation. Consult your agricultural authorities for additional IPM strategies established for your area. This product may be used in State Agricultural Extension advisory (disease forecasting) programs which specify application timing based on environmental factors favorable for disease development.

Resistance Management

Some turf diseases are known to have developed resistance to products used repeatedly for their control. Apply this product in a tank mix or alternation program with other registered fungicides with different modes of action and to which pathogen resistance has not developed.

DO NOT make more than two sequential applications of this product for control of *Pythium* spp. and Gray Leaf Spot. For all other diseases when *Pythium* spp. is not present, **DO NOT** make more than three sequential applications of this product.

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Application Directions

Apply this product prior to disease development. Mix with the required amount of water and apply as a dilute spray application in 2-4 gallons of water per 1000 sq. ft. (87–174 gallons per acre). Repeat at specified application intervals until disease is under control or until the maximum treatment rate has been reached. See **Rate Conversion Chart for Turf** for maximum number of applications at each of the specified rates.

For spot treatments, use 0.4 fl. oz. of this product per 1 to 2 gallons of water.

Apply the higher rate and shorter application intervals when prolonged disease conditions exist.

Note: This product does not control Dollar Spot. It is compatible in tank mixes with many other fungicides that do control Dollar Spot. Always tank mix this product with another fungicide that controls Dollar Spot when this disease is present.

Follow directions under Tank Mixes below.

RESTRICTIONS

- Apply by ground (includes any hand-held and mechanically pressurized handwands) only.
- **DO NOT** use more than the maximum allowed use rate down in the "Application Directions for Turf" chart below.
- **DO NOT** apply more than 8.8 quarts of product per acre per year (6.46 fl. oz. product/1000 sq. ft./year) (0.52 lbs. AI/acre/year). See **Rate Conversion Chart for Turf** for maximum number of applications at each of the specified rates.
- **DO NOT** make more than two sequential applications of this product for control of *Pythium* spp. For all other diseases, **DO NOT** make more than three sequential applications of this product.
- Follow the Application Interval requirements in the "Application Directions for Turf" chart below.

Tank Mixes

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt. water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

When mixed with EC (emulsifiable concentrate) formulations, this product may be phytotoxic, especially when applied during cool, cloudy conditions that last for several days. Adjuvants containing silicone could also have phytotoxic effects.

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APPLICATION DIRECTIONS FOR TURF DISEASES

Target Diseases	Use Rate (fl. oz./1000 sq. ft.)	Application Interval (days)	Application Directions
Anthracnose *(Colletotrichum graminicola)* Brown Patch *(Rhizoctonia solani)* Fusarium Patch *(Microdochium nivale)* Gray Leaf Spot *(Pyricularia grisea)* Red Thread *(Laetisaria fuciformis)* Southern Blight *(Sclerotium rolfsii)* Summer Patch *(Magnaporthe poae)*	0.38-0.77	14 – 28	Apply this product before disease outbreak or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 14 days
Cool Weather Brown Patch Yellow Patch *(Rhizoctonia cerealis)*	0.77	28	Make one or two applications in fall or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 28 days
Fairy Ring *(Lycoperdon* spp., *Agrocybe pediades,* and *Bovistra plumbea)*	0.77	28	Apply this product as soon as possible after fairy ring symptoms develop. Irrigate with at least 0.5 inches water within 24 hours after application if rainfall is not expected. Severely damaged or thin turf may require reseeding. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. Make an additional application 14-28 days if needed. **Minimum Retreatment Interval:** 28 days
Gray Snow Mold* Typhula Blight *(Typhula incarnata, T. ishikariensis)*	1.33	Single Application	Make a single application of 1.33 fl. oz. or two applications of 0.67 fl.oz. at 14-day intervals in late fall just before snow cover. When disease pressure is severe, tank mix with another snow mold fungicide to enhance control. **Minimum Retreatment Interval:** 28 days ***NOT** for use in California.
	0.67	28	

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APPLICATION DIRECTIONS FOR TURF DISEASES *(continued)*

Target Diseases	Use Rate (fl. oz./1000 sq. ft.)	Application Interval (days)	Application Directions
Leaf Spot *(Bipolaris sorokiniana)* Melting Out *(Drechslera poae)*	0.38 – 0.77	14 – 21	Apply this product before disease outbreak or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 14 days
Leaf Rust (P*uccinia spp.*)	0.38 – 0.77	14 – 28	Apply this product before disease outbreak or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 14 days
Necrotic Ring Spot *(Leptosphaeria korrae)*	0.77	14 – 28	Apply this product before disease outbreak or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 14 days
Pink Patch *(Limonomyses roseipellis)*	0.38 - 0.77	14 – 28	Apply this product before disease outbreak or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 14 days
Pink Snow Mold* *(Microdochium nivale)*	1.33	Single Application	Make a single application of 1.33 fl. oz. or two applications of 0.67at 14-day intervals in late fall just before snow cover. When disease pressure is severe, tank mix with another snow mold fungicide to enhance control. **Minimum Retreatment Interval:** 14 days ***NOT** for use in California.
	0.67	14	
Powdery Mildew *(Blumeria graminis)*	0.38 – 0.77	14 – 28	Apply this product before disease outbreak or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 14 days
Pythium Blight Pythium Root Rot *(Pythium aphanidermatum, Pythium* spp.*)*	0.77	10 – 14	Apply this product before disease is present. During periods of prolonged favorable conditions, treat on the 10 day application interval. This product can be used on newly seeded as well as established turf. **Minimum Retreatment Interval:** 10 days
Pythium Root Dysfunction *(Pythium volutum)*	0.77	21 – 28	Apply preventatively when mean daily soil temperatures are between 55ºF and 70ºF. Irrigate with 0.1 to 0.2 inches within 24 hours after application to facilitate movement into the root zone. **Minimum Retreatment Interval:** 21 days

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APPLICATION DIRECTIONS FOR TURF DISEASES *(continued)*

Target Diseases	Use Rate (fl. oz./1000 sq. ft.)	Application Interval (days)	Application Directions
Rhizoctonia Large Patch** *(Rhizoctonia solani)*	0.38 - 0.77	14 – 28	Make one or two applications in fall or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 14 days **Not for use at the lower rate in California.
Rhizoctonia Leaf Spot *(Rhizoctonia zeae)*	0.77	14 – 28	Apply when conditions are favorable for disease development. **Minimum Retreatment Interval:** 14 days
Spring Dead Spot *(Leptosphaeria korrae)* or *(Gaeumannomyces graminis var. graminis)* or *(Ophiosphaerella herpotricha)*	0.77	28	Make one or two applications in fall or when conditions are favorable for disease development. **Minimum Retreatment Interval:** 28 days
Take-all Patch *(Gaeumannomyces graminis var. avenae)*	0.77	28	Make two applications at 28-day intervals in the spring and two applications at 28-day intervals in the fall. **Minimum Retreatment Interval:** 28 days
Zoysia Patch *(Rhizoctonia solani* and/or *Gaeumannomyces incrustana)*	0.38 - 0.77	14 – 28	Make one or two applications in late fall before snow cover or when conditions are favorable for disease development. **DO NOT** apply on top of snow. **Minimum Retreatment Interval:** 14 days

Rate Conversion Chart for Turf

Fluid Ounces Product/1000 sq. ft.	Ounces AI /1000 sq. ft.	Fluid Ounces Product/Acre	Pints of Product / Acre	Maximum number of applications at specified rate
0.38	0.100	16.6	1.03	17
0.5	0.130	21.8	1.4	13
0.6	0.156	26.1	1.6	12
0.67	0.174	29.2	1.8	10
0.77	0.200	33.5	2.1	8
1.33	0.34	57.9	3.6	5

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Amount to Mix per 100 Gallons for Turf Applications

Spray Volume (gallons/1000 square feet)			
Use Rate (fl. oz.)	**2.0 gals. (fl. oz.)**	**3.0 gals. (fl. oz.)**	**4.0 gals. (fl. oz.)**
0.38	19	12.7	9.5
0.5	25	17	13
0.6	30	20	15
0.67	33.5	22.4	16.8
0.77	38.5	25.7	19.3
1.33	66.5	44.3	33.2

ORNAMENTALS

This product is for control of certain pathogens causing foliar, aerial, and root diseases, including leaf, tip and flower blights, leaf spots, downy mildew, powdery mildew, anthracnose, and rusts of ornamental plants. Use this product to control certain diseases of container, bench, flat, plug, bed or field-grown ornamentals in greenhouses, shade-houses, outdoor nurseries, retail nurseries and other landscape areas.

Integrated Pest (Disease) Management

Integrate this product into an overall disease and pest management strategy whenever the use of a fungicide is required. Follow cultural practices known to reduce disease development, including selection varieties with disease resistance, optimum plant populations, proper fertilization, winter and/or spring pruning, plant residue management and proper timing and placement of irrigation. Consult your agricultural authorities for additional IPM strategies established for your area. This product may be used in State Agricultural Extension advisory (disease forecasting) programs which specify application timing based on environmental factors favorable for disease development.

Application Directions

Apply this product as a broadcast or banded spray, targeting the foliage or crown of the plant. Apply to runoff in sufficient water, ensuring complete coverage of the target plant. Best control of targeted diseases is attained with sufficient coverage and wetting of foliage. Refer to the specific use directions for control of certain diseases. Repeat at specified application intervals (plus alternations for resistance management) until disease is under control or until the maximum treatment rate has been reached. (see **Application Rates** chart below).

Begin applications of this product prior to disease development and continue throughout the season at the specified intervals following resistance management guidelines. Use this product as part of a preventative disease management program.

This product may not provide adequate disease control when applied after disease outbreak.

Application Rates

See charts below for the specific rate range for this product. This product can be applied every 7 – 28 days (or as otherwise specified on this label for a specific plant or disease). Adding a non-silicone based wetting/sticking agent at the specified use rate may enhance coverage on hard-to-wet plant foliage.

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Field-grown or Nursery ornamentals (ground and chemigation applications)

Conditions	Rate Range	Retreatment Intervals	Maximum Number of Applications
For most conditions and for most diseases	3.85 – 5.75 fl. oz. / 100 gallons	7 – 14 days	**DO NOT** apply more than 0.36 gallons (46 fl. oz. or 0.75 lbs.AI) of this product per acre per year or 8 applications per year.
	1.9 – 2.88 fl. oz. / 50 gallons	7 – 14 days	
When disease pressure is **light to moderate**	1.9 – 2.88 fl. oz. / 100 gallons	7 – 14 days	
	0.95 – 1.44 fl. oz. / 50 gallons	7 – 14 days	
	5.75 fl.oz. / 100 gallons	14 – 28 days	
	2.85 – 2.88 fl. oz. / 50 gallons	14 – 28 days	
When environmental conditions are favorable to **severe disease** development	5.75 fl.oz. / 100 gallons	7 – 14 days	
	2.85 – 2.88 fl. oz./50 gallons	7 – 14 days	

Nursery ornamentals broadcast application and Landscape (plants, flowers, trees, turf), (any hand-held applications) Greenhouse ornamentals (mechanically pressurized handwand applications)

Conditions	Rate Range	Retreatment Intervals	Maximum Number of Applications
For most conditions and for most diseases	3.85 – 5.75 fl. oz. / 100 gallons	7 – 14 days	**DO NOT** apply more than 0.0012 gallons (0.15 fl. oz. or 0.0025 lbs.AI) of this product per acre per year or 8 applications per year.
	1.9 – 2.88 fl. oz. / 50 gallons	7 – 14 days	
When disease pressure is **light to moderate**	1.9 – 2.88 fl. oz. / 100 gallons	7 – 14 days	
	0.95 – 1.44 fl. oz. / 50 gallons	7 – 14 days	
	5.75 fl.oz. / 100 gallons	14 – 28 days	
	2.85 – 2.88 fl. oz. / 50 gallons	14 – 28 days	
When environmental conditions are favorable to **severe disease** development	5.75 fl.oz. / 100 gallons	7 – 14 days	
	2.85 – 2.88 fl. oz./50 gallons	7 – 14 days	

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Ornamental Uses (except for Field-grown or Nursery ornamentals (ground and chemigation applications), any hand-held applications and mechanically pressurized handwand applications)

Conditions	Rate Range	Retreatment Intervals	Maximum Number of Applications
For most conditions and for most diseases	3.85 – 7.7 fl. oz. / 100 gallons	7 – 14 days	**DO NOT** apply more than 2.4 gallons (5.0 lbs. AI) of this product per acre per year or 8 applications per year.
	1.9 – 3.85 fl. oz. / 50 gallons	7 – 14 days	
When disease pressure is **light to moderate**	1.9 – 3.85 fl. oz. / 100 gallons	7 – 14 days	
	0.95 – 1.9 fl. oz. / 50 gallons	7 – 14 days	
	5.75 – 7.7 fl.oz. / 100 gallons	14 – 28 days	
	2.85 – 3.85 fl. oz. / 50 gallons	14 – 28 days	
When environmental conditions are favorable to **severe disease** development	5.75 – 7.7 fl.oz. / 100 gallons	7 – 14 days	
	2.85 – 3.85 fl. oz. / 50 gallons	7 – 14 days	

Application Rate Conversion Chart

Fl. Oz. Rate	Lbs. AI	Fl. Oz. Rate	Lbs. AI
0.38 fl. oz.	0.006	3.85 fl. oz.	0.063
0.95 fl. oz.	0.015	5.75 fl. oz.	0.093
1.44 fl. oz.	0.023	7.7 fl. oz.	0.125
1.75 fl. oz.	0.028	15.4 fl. oz.	0.250
1.9. fl. oz.	0.031	30.75 fl. oz.	0.500
2.85 fl. oz.	0.046	46.0 fl. oz.	0.748
2.88 fl. oz.	0.047		

Drench Application

Apply this product as a preventative, drench treatment prior to infection to control soilborne, seedling, and crown diseases of production ornamentals (greenhouse, shadehouse, and container grown). Good coverage of the pre-infection area (root zone, root ball, crown, etc.) is necessary for satisfactory control.

This product may be applied as a drench to container grown ornamentals using 0.38 – 1.75 fl. oz. / 100 gallons of water prior to infection as healthy roots are necessary to optimize product uptake, systemic translocation and disease protection. Apply 1-2 pints of the solution per square foot surface area at 7-28 day intervals.

Drench applications may cause phytotoxicity in small bedding plants in the seedling/plug stage. Test this product on a small number of plants before applying on a larger scale.

Drip Irrigation

Apply this product through drip irrigation systems to potted ornamentals or to bedded, field grown ornamentals for soil-borne disease control. Apply at the rate of 3.85 – 30.75 fl. oz. per acre as a preventative disease application. Ensure that the soil or potting media has adequate moisture before making the drip application.

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Drip irrigation must be terminated when the fungicide is depleted from the main feed supply tank or 6 hours after starting irrigation, whichever is shorter. Delay a subsequent irrigation (water only) for at least 24 hours following the drip application to ensure maximum efficacy.

ORNAMENTAL USE PRECAUTIONS

- This product may be applied to certain varieties of crabapple for control of apple scab. It has been shown to be safer when applied to the species and varieties listed in Table 3, however, due to the large number of genera, species, and varieties of crabapple, it is impossible to test every one for tolerance to this product. The professional user must conduct small scale testing to ensure plant safety prior to broad scale commercial use on plant genera and species.
- Use only surfactants approved for use on ornamental plants in combination with this product. Prior to broad scale use, test tank mixes on a small group of representative plants.
- This product may not provide adequate disease control when applied after disease outbreak.
- Test this product on a small number of plants before applying on a larger scale.

ORNAMENTAL USE RESTRICTIONS

- For all ornamental Uses (NOT for Field-grown or Nursery ornamentals (ground and chemigation applications), any hand-held applications and mechanically pressurized handwand applications):
  - **DO NOT** apply more than 2.4 gallons (5.0 lbs. AI) of this product per acre per year.
  - **DO NOT** apply more than 8 applications per year.
  - The Maximum Single Application rate is indicated in the chart by ^{M} following the rate (for example 7.7^{M} fl.oz.)
  - The Minimum Retreatment Interval is indicated in the chart by ^{R} following the interval range (for example 7^{R} – 28 days).
- For Field-grown or Nursery ornamentals (ground and chemigation applications):
  - **DO NOT** apply more than 0.36 gallons (46 fl. oz. or 0.75 lbs. AI) of this product per acre per year.
  - **DO NOT** apply more than 8 applications per year.
- For Nursery ornamentals broadcast application and Landscape (plants, flowers, trees, turf), (any hand-held applications) and Greenhouse ornamentals (mechanically pressurized handwand applications):
  - **DO NOT** apply more than 0.0012 gallons (0.15 fl. oz. or 0.0025 lbs. AI) of this product per acre per year.
  - **DO NOT** apply more than 8 applications per year.
- **DO NOT** apply more than 600 gallons spray volume per acre for foliar applications.
- **DO NOT** apply more than 2 pints per square foot for drench and crown applications.
- Apply by ground (includes any hand-held and mechanically pressurized handwands) **only.**
- **DO NOT** apply this product to apple or cherry trees (flowering, Yoshina variety) due to possible phytotoxicity. **DO NOT** use spray equipment that has applied this product for use on these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer.
- **DO NOT** use silicone based products with this product due to possible phytotoxicity.
- **DO NOT** tank mix this product with other pesticides, fertilizers, adjuvants, etc., unless testing or local knowledge indicates that the tank mixture is safe when used on ornamental plants.
- **DO NOT** make more than three sequential drench applications of this product before alternating with a fungicide of a different mode of action.
- **DO NOT** alternate with other strobilurin fungicides.

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TABLE 1 - DISEASES CONTROLLED

When used according to the label directions, this product provides control of the following diseases of ornamental plants:

Target Diseases	Use Rates and Application Directions	
	8 oz. and larger Containers fl. oz. product per 100 gallons	4 oz. Containers fl. oz. product per 50 gallons
1. Conifer Blights		
1a. Phomopsis Blight (*Phomopsis juniperovora*)	Apply 1.9 – 7.7[M] fl. oz. at 7[R] to 28-day intervals.	Apply 0.95 – 3.85[M] fl. oz. at 7[R] to 28-day intervals.
1b. Tip Blight (*Sirococcus strobilinus*)		
2. Leaf Blights/Leaf Spots		
2a. Alternaria Leaf Spot (*Alternaria* spp.) 2b. Anthracnose (*Colletotrichum* spp., *Elsinoe* spp.) 2c. Entomosporium Leaf Spot (*Entomosporium mespili*) 2d. Leaf spot (*Cladosporium echinulatum*) 2e. Downy Mildew of Bedding Plants (*Peronospora* spp.) 2f. Cercospora Leaf Spot (*Cercospora* spp.)	Apply 1.9 – 7.7[M] fl. oz. at 7[R] to 28-day intervals.	Apply 0.95 – 3.85[M] fl. oz. at 7[R] to 28-day intervals.
2h. Marrsonina Leaf Spot (*Marsonina* spp.)	Apply 1.9 – 7.7[M] fl. oz. at 14[R] to 28-day intervals.	Apply 0.95 – 3.85[M] fl. oz. at 14[R] to 28-day intervals.
2i. Downy Mildew of Rose (*Peronospora sparsa*)	Apply 3.85 – 7.7[M] fl. oz. at 7[R] to 21-day intervals during periods of active plant growth and prior to dormancy or severe infection.	Apply 1.95 – 3.85[M] fl. oz. at 7[R] to 21-day intervals during periods of active plant growth and prior to dormancy or severe infection.
2j. Iris Leaf Spot (*Mycosphaerella macrospora*) 2k. Myrothecium leaf spot (*Myrothecium* spp.)	Apply 3.85 – 7.7[M] fl. oz. at 7[R] to 21-day intervals.	Apply 1.95 – 3.85[M] fl. oz. at 7[R] to 21-day intervals.
2l. Rose Blackspot (*Diplocarpon rosea*)	Apply 7.7 – 15.4[M] fl. oz. at 7[R] to 14-day intervals. If disease pressure is light, apply at 7-day intervals. This product may be tank-mixed with another Rose Blackspot fungicide if disease conditions are severe. **DO NOT** exceed 46 fl. oz. of product per acre.	Apply 3.85 – 7.7[M] fl. oz. every 7[R] -14 days. If disease pressure is light, apply at 7-day intervals. This product may be tank-mixed with another Rose Blackspot fungicide if disease conditions are severe. **DO NOT** exceed 46 fl. oz. of product per acre.
2m. Scab (*Venturia inaequalis*)	Apply 1.9 – 7.7[M] fl. oz. at 10[R] to 28-day intervals. **DO NOT** apply to apple trees. Refer to **Table 3** for tolerant species of crabapples.	Apply 0.95 – 3.85[M] fl. oz. at 10[R] to 28-day intervals. **DO NOT** apply to apple trees. Refer to **Table 3** for tolerant species of crabapples.

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TABLE 1 - DISEASES CONTROLLED *(continued)*

Target Diseases	Use Rates and Application Directions	
	8 oz. and larger Containers fl. oz. product per 100 gallons	**4 oz. Containers fl. oz. product per 50 gallons**
3. Powdery Mildew	Preventative applications only. **DO NOT** make more than 2 sequential applications before rotating to another class of fungicide.	
3a. *Erysiphe pannosa, E.* spp. 3b. *Microsphaera azalea* 3c *Sphaerotheca pannosa*	Apply 1.9 – 7.7[M] fl. oz. at 7[R] to 28-day intervals.	Apply 0.95 – 3.85[M] fl. oz. at 7[R] to 28-day intervals.
4. Rusts		
4a. Needle Rust (*Melampsora occidentalis*) 4b. *Phragmidium* spp. 4c. *Puccinia* spp. 4d. *Gymnosporagium* spp.	Apply 1.9 – 7.7[M] fl. oz. at 7[R] to 28-day intervals.	Apply 0.95 – 3.85[M] fl. oz. at 7[R] to 28-day intervals.
5. Flower Blights		
5a. Anthracnose (*Collectotrichum* spp., *Elsinoe* spp.)	Apply 1.9 – 7.7[M] fl. oz. at 7[R] to 28-day intervals.	Apply 0.95 – 3.85[M] fl. oz. at 7[R] to 28-day intervals.
5b. Botrytis Slight (*Botrytis cinerea*) – ***Suppression only***	Apply 7.7 – 15.4[M] fl. oz. at 7[R] to 21-day intervals. **DO NOT** exceed 46 fl. oz. of product per acre.	Apply 3.85 – 7.7[M] fl. oz. at 7[R] to 21-day intervals. **DO NOT** exceed 46 fl. oz. of product per acre.
6. Shoot/Stem Diseases		
6a. Aerial/Shoot Blight (*Phytophthora* spp.)	Apply 1.9 – 3.85[M] fl. oz. at 7[R] to 28-day intervals.	Apply 0.95 – 1.9[M] fl. oz. at 7[R] to 28-day intervals.
7. Soilborne Diseases (Directed Spray)	Refer to the **Soilborne/Seedling Disease** section for application guidelines.	
7a. *Rhizoctonia solani* 7b. *Sclerotium rolfsii* 7c. *Rosarium* spp.	Apply 1.9 – 7.7[M] fl. oz. at 7[R] to 21-day intervals.	Apply 0.95 – 3.85[M] fl. oz. at 7[R] to 21-day intervals.
8. Soilborne Diseases (Drench)	Refer to the **Drench Application** section above for additional application directions.	
8a. *Rhizoctonia solani* 8b *Sclerotium rolfsii* 8c. *Fusarium* spp.	Apply 0.35 – 1.75[M] fl. oz., 1 -2 pints of the solution per square foot of surface area, at 7[R] to 28-day intervals.	Apply 0.19 – 0.95[M] fl. oz., 1-2 pints of the solution per square foot of surface area, at 7[R] to 28-day intervals.

[M] The Maximum Single Application rate is indicated in the chart by [M] following the rate (for example 7.7[M] fl.oz.)
[R] The Minimum Retreatment Interval is indicated in the chart by [R] following the interval range (for example 7[R] – 28 days).

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PLANT SAFETY

This product has been shown to be safe when applied to the ornamental plants listed in Tables 2 and 3. However due to the large number of genera, species and varieties of ornamental and nursery plants; it is impossible to test every one for tolerance to this product. Neither the manufacturer nor the seller has determined whether or not this product can be used safely on all genera, species, or varieties of ornamental and nursery plants. The professional user must conduct small scale testing to ensure plant safety prior to broad scale commercial use on plant genera and species not listed in this label.

In addition, **DO NOT** tank mix this product with other pesticides, fertilizers, adjuvants, etc, unless local experience indicates that the tank mix is safe to ornamental plants.

DO NOT apply or use spray equipment used to make applications of this product to certain apple, crabapple or cherry trees and other sensitive crops due to possible phytotoxicity.

Table 2 - Tolerant Ornamental Plants and Diseases Controlled

When applied to the plants listed in Tables 2 and 3 at the listed rates and according to the application directions on this label, this product has been found to be safe and effective at controlling the listed diseases.

Common Name	Botanical Name	Diseases/Pathogens (Refer to Table 1)
Abelia	Abelia spp.	2
Alder (White), Clethra	Clethra alnifolia	2
Arborvitae	Thujopsis spp.	2
Aspen trees	Poputus spp.	2
Aster, Starwort	Aster, spp.	4
Azalea, Glacier	Rhododendron spp.	2b, 3, 6, 7
Azaleas, Rhododendron	Rhododendron spp.	2b, 3, 6, 7
Barberry	Berberis thunbergii	3, 4
Australian Laurel	Pittosporum spp.	3, 4
Baby Rubber-plant	Peperomia spp.	2, 7
Begonia	Begonia spp. (except Reiger begonia)	2, 3
Birch (River)	Betula nigra	3, 4
Black-eyed Susan	Rudbeckia hirta	2
Blanket-Flower	Gaillardia spp.	2
Bougainvillea	Bougainvillea spp.	2
Boxwood	Buxus sempervirens	2, 7a
Bradford's Pear	Pyres cafleryana	3
Buddleia, Butterfly Bush	Buddleia davidii	2

(continued)

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Table 2 - Tolerant Ornamental Plants and Diseases Controlled *(continued)*

Common Name	Botanical Name	Diseases/Pathogens (Refer to Table 1)
Bugle, Bugleweed	Ajuga reptans	3
Burning Bush	Euonymus alatus	2
Caladium	Caladium spp.	7
Camellia	Camellia japonica	2
Carnation	Dianthus caryophyllus	3, 4
Cedar (Atlas)	Cedrus atlantica	2, 4
Cedar (Red)	Juniperus virginiana	1a, 4
Cedar, Western Red	Thuja plicata	4
Cedar (White)	Cedrus spp.	2, 4
Cherry	Prunes pumila	2, 5
Chinese evergreen	Aglaonema spp.	2, 4
Chrysanthemums	Chrysanthemum spp.	2, 7c
Cinquefoil	Potentfila spp.	2
Cotoneaster (Creeping)	Cotoneaster adpressus	7
Cotoneaster (Variegated Rockspray)	Cotoneaster horizontalis	7
Crabapple (See Table 3 for variety list)	Malus spp.	2i
Cranesbill	Geranium spp.	5b
Crapemyrtle	Lagerstroemia indica	2, 3
Creeping thyme	Thymus sagahyifam	4
Cyclamen	Cylcamen spp.	7c
Cyperus	Cyperus spp.	1
Cypress (Sawara)	Chamaecyparis pisifera	1
Cypress, Leyland cypress	Chamaecyparis spp.	1
Daisy (Gerber, Transvaal)	Gerbera jamesonii	3
Dogwood	Cornus florida	2b, 3
Dogwood, Pink Dogwood, Flowering Dogwood	Cornus spp.	2b, 3
Dwarf Pampas Grass	Phelans spp.	3
Dumb cane	Dieffenbachia spp.	2

(continued)

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Table 2 - Tolerant Ornamental Plants and Diseases Controlled *(continued)*

Common Name	Botanical Name	Diseases/Pathogens (Refer to Table 1)
Euonymus (Dwarf Winged)	Euonymus alata	2
Euonymus (Evergreen)	Euonymus japonicas	2
Fatsia (Japanese), Paper-plant	Fatsia japonica	2
Fig	Ficus spp.	2
Fir, Douglas	Pseudotsuga spp.	1, 4
Fir (Fraser)	Abies fraseri	1, 4
Fir (Noble)	Abies procera	1, 4
Floss-flower	Ageratum spp.	3, 4
Forsythia	Forsythia viridissima	2
Foxglove	Digitalis spp.	2, 3
French hydrangea	Hydrangea macrophylla	2, 3
Gardenia	Gardenia jasminoides	3
Geranium	Pelargonium spp.	3, 4, 5b
Grass	Permisetum alopecuriodes	2
Hydrangea	Hydrangea spp.	2, 3
Heather	Erica dareyensis	2
Hibiscus	Hibiscus moscheutos	2, 3
Hemlock	Tsuga spp.	4
Hibiscus	Hibiscus rosa-sinensis	2, 3
Holiday cactus	Schlumbergera	2, 7
Holly, Winterberry, Yaupon	Ilex spp.	3
Hosta	Hosta spp.	2
Impatiens, Balsam	Impatiens spp.	2a, 7a
Indian Hawthorn	Phaphiplepsisindica	2, 3, 4
Iris (African, Butterfly)	Dietes iridiodes	4c
Iris (bulbous, Spanish, Dutch)	Iris xiphium	2e
Ivy (Algerian)	Hedera algeriensis	2
Ivy (English)	Hedera helix	2

(continued)

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Table 2 - Tolerant Ornamental Plants and Diseases Controlled *(continued)*

Common Name	Botanical Name	Diseases/Pathogens (Refer to Table 1)
Ivy, Swedish Coleus	Plectranthus spp.	2
Japanese Andromeda	Pieris japonica	2, 7
Japanese aucuba, Japanese laurel	Aucuba japonica	7
Juniper	Juniperus procumbens	1a, 4
Juniper	Juniperus scopulorum	1a, 4
Juniper	Juniperus spp.	1a, 4
Larkspur	Delphinium spp.	2
Laurel	Lauras nobilis	3
Lilac (wild)	Ceanothus sanguineus	3
Lily (Asiatic)	Lilium spp.	2
Lily-turf	Liriope muscari	2
Live-forever, House-Leek	Sempervivum spp.	2
Magnolia, Southern	Magnolia grandiflora	2
Magnolia, Saucer	Magnolia soulangiana	2
Magnolia	Magnolia spp.	2
Maple (Japanese)	Acer palmatum	2
Maple (Sugar)	Acer saccharum	2
Marigold	Tagetes spp.	2a
Mock-orange	Philadelphus	3, 4
Muhgo pine	Pinus muhgo	1b, 4
Mugwort, Sagebrush	Artemisia spp.	2
Nandina	Nandina domestica	2
Oak, pin	Quercus palustris	2, 3
Oak, red	Quercus falcate	2, 3
Oleander, Rose-bay	Nerium oleander	2
Orpine, Stonecrop	Sedum spp.	21
Palm, date	Phoenix daciylifera	2, 7
Palm (Parlor)	Chamaedora elegans	7

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Table 2 - Tolerant Ornamental Plants and Diseases Controlled *(continued)*

Common Name	Botanical Name	Diseases/Pathogens (Refer to Table 1)
Palm, Queen	Syagrus romanzollianum	2
Palm, Roebelin's	Phoenix roebelenii	2, 7
Palm (Sago)	Caryota urens	2, 7
Pampas Grass	Cortaderia selloana	3
Peace lily	Spathiphyllum floribundium	2, 7
Periwinkle	Vinca spp.	2, 6a
Petunia	Petunia spp.	6a
Philodendron	Philodendron spp.	2j
Phlox	Phlox spp.	3
Pine, Black	Pinus nigra	1b, 4
Pine, Eastern White	Pinus strobes	1b, 4
Pine, Scotch	Pinus silvestris	1, 4
Pine	Pinus spp.	1b, 4
Pink	Dianthus spp.	3, 4
Plum, Flowering; Purple-leaf	Prunes spp.	2, 5
Poinsettia	Euphorbia spp.	2a
Poplar	Populus trichocarpa	4
Pothos	Epipremnum spp.	2
Primrose	Primula spp.	2
Pussy's Foot	Ageratum spp.	3, 4
Redbud (Western)	Cercis occidentalis	2
Red tip photinia	Photinia glabra	2, 3, 4
Ribbon Grass	Setaria spp.	2, 3
Rose	Rosa spp.	2a, 2c, 3c, 4b
Rose of Sharon	Hibiscus syriacus	2, 3
Rosemary (prostrate)	Rosmarinus spp.	2
Rubber-tree, Umbrella-tree	Brassaia actinophylla	2, 7
Sage	Salvia spp.	3, 4j

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Table 2 - Tolerant Ornamental Plants and Diseases Controlled *(continued)*

Common Name	Botanical Name	Diseases/Pathogens (Refer to Table 1)
Snapdragon	Antirrhinum spp.	3, 4
Snowball, Ceanothus, California lilac	Ceanothus spp.	3
Spirea	Spirea budalda	3
Spirea	Spirea japonica	3
Spreading yew	Taxus baccata	7
Spruce, Blue	Picea purtgens	1
Spruce, Norway	Picea abies	1
Spruce, White	Picea glauca	1
Sweet Alyssum	Lobularia maritma	7
Verbena	Verbena spp.	3
Vervain	Verbena spp.	3
Viburnum	Viburnum spp.	2, 3, 4
Vinca	Catharanthus roseus	2
Viola, Pansy	Viola spp.	1, 2
Virginia Willow	Itea virginica	3, 4
Western hemlock	Tsuga heiarophylia	4
Wiegela (Pink)	Wiegela florida	2
Wormwood	Artemisia spp.	2
Yucca	Yucca spp.	7
Zebra Plant	Aphelandra spp.	2
Zinnia	Zinnia sp.	2a, 3

* **DO NOT** exceed 3.85 fl. oz./100 gallons on these species.

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TABLE 3. Tolerant Varieties of Crabapple Species (Genus Malus)

Arkansas Black	Eleyi	Mary Potter	Seiboldii
Atrosanguinea	Enterprise	Molten Lava	Selkirk
Baccafa	Evereste	New Centennial	Sentinel
Baccata var. jackii	Eyeiynn	Ormiston Roy	Silver Moon
Baccata var. mandshurica	Floribunda	Pink Satin	Siiverdrift
Callaway	Gloriosa	Prairie Maid	Sinai Fire
Candymint Sargent	Golden Delicious	Prairifire	Spectabfis
Christmas Holly	Golden Raindrops	Profusion	Sugar Tyme
Coronaria	Hopa	Pumila	Van Eseltine
David	Indian Magic	Ralph Shay	White Angel
Dolgo	Island	Red Jade	Williams Pride
Donald Wyman	Katherine	Red Baron	Winter Gold
Dorothea	Lancelot	Sargent	Yellow Delicious
Doubloons	Louisa	Sargentii	Zumi Calocarpa

TABLE 4. Intolerant Plants. DO NOT apply this product to these species or varieties.

COMMON NAME	BOTANICAL NAME
Apple	Malus domestics
Crabapple - Flame variety	Malus spp.
Crabapple - Brandywine variety	Mals spp.
Crabapple - Novamac variety	Malus spp.
Cherry, Flowering - Yoshina variety	Prunus yedoensis
Leatherleaf Fern and Other Ferns for cut foliage	Rumohra adianformis and other species for cut foliage
Privet	Ligusirum spp.

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CONIFERS INCLUDING CHRISTMAS TREES, COMMERCIAL PRODUCTION ROSES

Use this product to control diseases on conifers in production (indoor and outdoor) and in landscape situations. Please see the Ornamental Section above for more detailed directions for use in landscape situations.

CONIFERS, including Christmas Trees		
Target Diseases	**Rate per Acre (lbs. AI/A)**	**Application Directions**
Diplodia tip blight (*Diplodia pinea*) Lophodermium Needlecast (*Lophodermium pinastri*) Swiss Needlecast (*Phaeocrytopus gaumannii*)	6.0 – 15.5 (0.10 – 0.25)	Apply this product before disease outbreak and continue throughout the season at 7- to 21-day intervals following resistance management guidelines. Apply this product by ground, air or chemigation. If an adjuvant is used, add it at the manufacturer's specified rates. Include this product in an IPM program, which includes alternating fungicides with different modes of action and selections of varieties with disease resistance and removal of plant debris in which inoculum may overwinter. **DO NOT** make more than two applications of this product before alternating with fungicides with a mode of action other than QoI Group 11.
RESTRICTIONS: • **DO NOT** apply more than 15.5 fl. oz. (0.25 lbs. AI) of this product per acre per application. • **DO NOT** apply more than 123 fluid ounces (2.0 lbs. AI) of this product per acre per year. • **DO NOT** make more than eight applications of this product per acre per year at the high rate (0.25 lbs. AI). • **Minimum Retreatment Interval:** 7 days		

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CHRISTMAS TREES (Any hand-held applications)		
Target Diseases	**Rate per Acre (lbs. AI/A)**	**Application Directions**
Diplodia tip blight (*Diplodia pinea*) Lophodermium Needlecast (*Lophodermium pinastri*) Swiss Needlecast (*Phaeocrytopus gaumannii*)	0.005 – 0.01 fl. oz. (0.0001 – 0.0002)	Apply this product before disease outbreak and continue throughout the season at 7- to 21-day intervals following resistance management guidelines. If an adjuvant is used, add it at the manufacturer's specified rates. Include this product in an IPM program, which includes alternating fungicides with different modes of action and selections of varieties with disease resistance and removal of plant debris in which inoculum may overwinter. **DO NOT** make more than two applications of this product before alternating with fungicides with a mode of action other than QoI Group 11.
RESTRICTIONS: • **DO NOT** apply more than 0.01 fl. oz. (0.0002 lbs. AI) of this product per acre per application. • **DO NOT** apply more than 0.08 fluid ounces (0.00125 lbs. AI) of this product per acre per year. • **DO NOT** make more than eight applications of this product per acre per year at the high rate (0.0002 lbs. AI). • **Minimum Retreatment Interval:** 7 days		

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ROSES, Commercial Rose Production		
Target Diseases	**Rate per Acre fl. oz./Acre (lbs. AI/A)**	**Application Directions**
Downy Mildew (Peronospora sparsa) Powdery Mildew (Sperotheca pannosa) Rust (Phragmidium mucronatum, P. tubercalutum, and other Phragmidium spp.) Septoria Leaf Spot (Septoria rosea) Alternaria Leaf Spot (Alternaria alternate)	3.0 – 15.5 (0.05 – 0.25)	Apply this product before disease outbreak and continue throughout the year at 7– to 21 day intervals following resistance management guidelines. Apply this product by ground, air or chemigation. If an adjuvant is used, add it at the manufacturer's specified rates. Include this product in an IPM program, which includes alternate fungicides with different modes of action and selection of varieties with disease resistance, proper fertilizer application, winter and/or spring pruning, management of plant residue, and proper irrigation timing and application. Azoxystrobin has been shown to be safe when applied to roses, however, all varieties of roses have not been tested. Test the product first on a smaller scale to ensure its safety prior to making a broadscale application. **DO NOT** tank mix this product with other pesticides, fertilizers, etc. unless testing or local knowledge indicates that the tank mixture is safe when used on roses. **DO NOT** make more than two applications of this product before alternating with fungicides with a mode of action other than QoI Group 11.
Restrictions: • **DO NOT** apply more than 15.5 fl. oz. (0.25 lbs. AI) of this product per acre per application. • **DO NOT** apply more than 123 fluid ounces (2.0 lbs. AI) of this product per acre per year. • **DO NOT** make more than eight applications of this product per acre per year at the high rate (0.25 lbs. AI). • **Minimum Retreatment Interval:** 7 days		

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STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

STORAGE

Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

CONTAINER HANDLING [less than or equal to 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

CONTAINER HANDLING [Bulk/Mini-Bulk] [greater than 5 gallons]

Refillable container. Refill this container with pesticide only. Do not reuse the container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

CONTAINER HANDLING [Bulk/Mini-Bulk] [greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container or pressure rinse promptly after emptying.
Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full of water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.
Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.
Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

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WARRANTY AND LIMITATION OF DAMAGES

CONDITIONS OF SALE: To the extent consistent with applicable law, Harrell's, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Harrell's, LLC. HARRELL'S, LLC DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. To the extent consistent with applicable law, HARRELL'S, LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND HARRELL'S, LLC'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. HARRELL'S, LLC DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.

Harrell's ProtectMAX™ is a trademark and Growing a Better World® is a registered trademark of Harrell's LLC.

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PEEL BACK BOOK HERE

Harrell'sProtectMAX™ Azoxy 2SC

Azoxystrobin | Group 11 | Fungicide

TURF & ORNAMENTAL FUNGICIDE

For control of listed diseases on Turf; Golf courses; Lawns and landscape areas around residential, institutional, public, commercial and industrial buildings; Parks; Recreational areas; Athletic fields; Ornamentals; Conifers including Christmas trees; and Roses, commercial rose production

ACTIVE INGREDIENT:	
Azoxystrobin: methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*	22.93%
OTHER INGREDIENTS:	77.07%
TOTAL:	100.0%

*IUPAC

Contains 2.08 lbs. Azoxystrobin per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment. Emergency phone numbers: (800) 424-9300 CHEMTREC (transportation and spills) (800) 222-1222 Poison Control Center

See additional Precautionary Statements and Directions for Use inside booklet.

EPA Reg. No. 60063-59-52287
EPA Est. No.: 86555-MO-1 – Lot number begins with AF
EPA Est. No.: 70815-GA-1 – Lot number begins with CB
EPA Est. No.: 62171-MS-1 – Lot number begins with OI
EPA Est. No.: 70989-AR-1 – Lot number begins with OS
EPA Est. No.: 70989-MO-1 – Lot number begins with ST
EPA Est. No.: 39578-TX-1 – Lot number begins with SU
EPA Est. No.: 72344-MO-4 – Lot number begins with TR
EPA Est. No.: 60063-GA-1 – Lot number begins with VL
EPA 20201020 (10/20)

NET CONTENTS: 1 Gallon (3.79 L)

LABEL CODE #HPMAZO 11/20

READ THE LABEL CAREFULLY BEFORE OPENING THE CONTAINER

Harrell's
Growing a Better World®

Distributed by:
Harrell's, LLC, P.O. 807, Lakeland, FL 33802

PF 205096

205096 Hrl Azoxy 2SC 1g BL.indd 1 6/22/22 1:38 PM

PROOF

THIS PROOF IS TO BE CHECKED FOR ACCURACY

Please review and approve **Text, Spelling, Copy Placement, Size, Shape, Colors** and **Dieline.**

Authorized signature accepts responsibility for accuracy of all copy, color break and artwork. Cimarron Label is not liable for any discrepancies subsequently identified.

PLEASE NOTE: Due to color variance between printers/monitors, the colors represented by this proof cannot be deemed accurate. Please refer to a color matching system such as the Pantone Matching System for a truer representation of spot colors.

THIS PROOF IS NOT ACCURATE FOR COLOR-MATCH.

Dieline does not print.

Cimarron Label
Experts in Extended Text Labeling

4201 North Westport Ave. • Sioux Falls, SD 57107
Phone: (605) 978-0451 • Fax: (605) 978-0463

DATE	JOB NUMBER	CUSTOMER
6/22/22	205096	SIPCAM
LABEL SIZE	**BOOKLET SIZE**	
5.0" x 5.0"	4.75" x 4.25"	
LABEL COLORS	**BOOKLET OUTSIDE COLORS**	**BOOKLET INSIDE COLORS**
BLK, 289	BLK, 289	BLK
PATTERN VARNISH: ☒ YES ☐ NO		

Form: CS 006B - 3/29/2017

☐ ***ARTWORK IS APPROVED*** ☐ ***REVISED PROOF NEEDED***

WE CANNOT PROCESS THIS ORDER WITHOUT AN AUTHORIZED SIGNATURE

Signed_____ **Date**_____

Harrell's ProtectMAX®

Flutolanil | GROUP **7** | FUNGICIDE

Flutolanil

FUNGICIDE

A systemic fungicide for control of Basidiomycete diseases on turf.

Active Ingredient:
Flutolanil: Benzamide, N-[3-(1-methylethoxy)phenyl]-2-(trifluoromethyl) 40.0%
Other Ingredients: 60.0%
Total: 100.0%
Contains 3.8 pounds flutolanil as active ingredient per U.S. gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE INSIDE BOOKLET FOR PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

Not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York State.

Harrell's
Growing a Better World®

Net Contents: 2.5 Gal.

EPA REG. NO. 71711-28-2217
EPA Est. No. 2217-KS-1(01), 2217-KS-2(02)
Circled digit is first digit of lot number.
HPMFLT 631/11-2025 AP101018

FIRST AID	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product, including human health concerns and medical emergencies, call 1-877-800-5556. In case of fire or spills, information may be obtained by calling 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as barrier laminate or polyvinyl chloride ≥ 14 mils.
- Shoes plus socks

User Safety Requirements

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of flutolanil from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency in your state responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material such as barrier laminate or polyvinyl chloride ≥14 mils.
- Shoes plus socks

USE INFORMATION

This product is a systemic fungicide for control of Brown Patch (*Rhizoctonia solani*), Brown Ring Patch (*Waitea circinata var. circinata),* Fairy Ring, Red Thread (*Laetisaria fuciformis*), Pink Patch (*Limonomyces roseipellis*), Yellow Patch (*Rhizoctonia cerealis*), Gray snow mold (*Typhula* spp.), Large Patch (*Rhizoctonia solani* AG 2-2LP) and Leaf and Sheath spot (*Rhizoctonia zeae, Rhizoctonia oryzae*), and Southern blight (*Sclerotium rolfsii*).

If other diseases are present in the field, this product can be tank mixed with other fungicides registered for use on those diseases.

Not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York State.

RESISTANCE MANAGEMENT

For resistance management, this product belongs to the succinate dehydrogenase inhibitor class (FRAC Group 7). Any fungal population may contain individuals naturally resistant to this product and other Group 7 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Harrell's encourages responsible product stewardship to ensure effective long-term control of the fungal diseases on this label. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group (FRAC groups 7 or 3) fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance management and/or IPM recommendations for specific crops and pathogens.

MIXING DIRECTIONS

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Harrell's ProtectMAX Flutolanil Fungicide Alone: Fill spray tank with ¾ of the amount of water needed for the intended application and then turn on agitation. Pour specified amount of product on the surface of the water in the spray tank. Add the balance of the water to the spray tank with agitation running. Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

Harrell's ProtectMAX Flutolanil Fungicide in Tank Mixtures: Begin with clean equipment. Fill spray tank with ¾ of the amount of water needed for the intended application and turn on agitation. If using a buffering agent, add after filling the tank with ¾ amount of water. Do not use oil as carrier or include other additives in the finished spray.

Add the recommended amount of tankmix products in the following order while maintaining agitation:

1) products in water-soluble packets
2) wettable powders
3) water-dispersible granulars and/or soluble powders
4) flowable liquids (including this product)
5) emulsifiable concentrates
6) adjuvants and/or oils
7) remaining amount of water to achieve the desired level

Always follow the labeled mixing instructions of any partner products. Keep agitation running during filling and spraying operations. If spraying must be stopped before emptying the sprayer, resume agitation before spraying the remainder of the load. Mix only as much spray solution as can be sprayed within four hours.
Storage and use of the previous day's spray mix may result in reduced activity.

SPRAY DRIFT MANAGEMENT

Spray equipment and weather affect spray drift. Consider all factors when making application decisions. Where states have more stringent regulations, they must be observed. Avoiding spray drift is the responsibility of the applicator or grower. To reduce the potential for drift, the application equipment must be set to apply medium or larger droplets (i.e. ASABE Standard 572) with corresponding spray pressure. Use high flow rate nozzles to apply the highest practical spray volume, using the appropriate droplet size to ensure adequate canopy distribution, coverage, and penetration. With most nozzle types, narrow spray angles produce larger droplets. Follow the nozzle manufacturer's directions on pressure, orientation, spray volume, etc., in order to minimize drift and optimize coverage and control.

The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

HARRELL'S PROTECTMAX FLUTOLANIL FUNGICIDE APPLICATION RATE CHART FOR TURF

Product Information

This product is a systemic fungicide for control of Basidiomycete diseases on turf. This product has shown excellent safety on Kentucky bluegrass, annual bluegrass, annual and perennial ryegrass, red fescue, tall fescue, bentgrass, Bermudagrass, zoysiagrass, and St. Augustine grass.

Restrictions

- Do not apply more than 13.25 fl. oz. per 1,000 square feet per calendar year as a broadcast application.
- For use rates greater than 3.0 fl. oz. per 1,000 square feet, do not apply this product within 100 feet of any freshwater or marine estuary, ditches, drainage tiles, or other waterway that drains directly (within ½ mile) into estuaries.
- Apply no more than a combined total of 6 oz. per 1,000 square feet as a broadcast application per year.

Applications

Apply this product at the dosage rates in the table below as a broadcast application in 2 to 5 gallons of water per 1,000 square feet. For best results, avoid mowing within 24 hours after application. Do not irrigate until sprays have dried. This product may be tank mixed with other labeled fungicides if other diseases not listed on this label are present.

Disease	Rate per 1,000 sq. ft.	Spray Interval (Days)	Application Instructions
Brown patch (*Rhizoctonia solani*) Preventive	2.2 to 3.25 fl. oz.	14 to 21	• Apply 2.2 to 3.25 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water prior to disease development. • Repeat application after a 14 to 21 day interval if conditions favor disease development.
Curative	4.4 fl. oz.	14	• Apply 4.4 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water to turf with active brown patch. • Repeat application after a 14 day interval if conditions favor disease development.

Disease	Rate per 1,000 sq. ft.	Spray Interval (Days)	Application Instructions
Large Patch (or Zoysia Patch) (*Rhizoctonia solani*)	3.25 fl. oz.	30	• Apply 3.25 fl.oz. of this product per 1,000 sq. ft. • Apply this product in the fall or spring for control of large brown patch on zoysiagrass. • Disease control is more effective if made prior to or after initial symptom development. • Apply by broadcast application using 2 to 5 gallons of water. • Repeat 30 days later if symptoms persist. • A nonionic surfactant is recommended for best results. • Fall applications may suppress disease development in the following spring.

Disease	Rate per 1,000 sq. ft.	Spray Interval (Days)	Application Instructions
Fairy Ring (caused by *Marasmius* spp., *Agaricus* spp., and *Lepiota* spp.) Preventive	3.25 fl. oz.	21 to 28	• Apply 3.25 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water for suppression of the development of fairy ring. • A second application may be made at a 21 to 28 day interval if needed.
Curative	6.6 fl. oz.	30	• Apply 6.6 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water for suppression of existing fairy ring colonies caused by various basidomycete pathogens. • Application should be made to the area at the first sign of ring development. • Aerification of the treatment area prior to application may assist in preventing further disease development. • Use of a nonionic surfactant is recommended to maximize coverage and penetration of existing thatch and the upper soil layer. • Treated areas should be irrigated prior to and following application to maintain healthy growth of turf. • Repeat application after a 30 day interval if conditions continue to favor disease development.
RESTRICTION Do not treat more than 10,000 square feet per acre of continuous turf area.			

Disease	Rate per 1,000 sq. ft.	Spray Interval (Days)	Application Instructions
Red Thread (*Laetisaria fuciformis*) Pink Patch (*Limonomyces roseipellis*) Yellow Patch (*Rhizoctonia cerealis*) Southern Blight (*Sclerotium rolfsii*)	2.2 fl. oz.	21 to 28	• Apply 2.2 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water prior to or at the first sign of disease development. • A second application may be made if needed at a 21 to 28 day interval.

Disease	Rate per 1,000 sq. ft.	Spray Interval	Application Instructions
Gray Snow Mold (*Typhula* spp)	4.4 to 6.6 fl. oz.	Before snow cover	• Apply 4.4 to 6.6 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water prior to snow cover. • Use of a nonionic surfactant may enhance control. • This product may be tank mixed with other fungicides if Pink Snow Mold is present.
RESTRICTION Do not treat more than 10,000 square feet per acre of turf area.			

Disease	Rate per 1,000 sq. ft.	Spray Interval (Days)	Application Instructions
Leaf and Sheath spot (*Rhizoctonia zeae, Rhizoctonia oryzae*) Preventive	3.25 to 4.4 fl. oz.	14 to 21	• Apply 3.25 to 4.4 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water for suppression of leaf and sheath spot. • A second application may be made at a 14 to 21 day interval if needed.
Curative	4.4 to 6.6 fl. oz.	14	• Apply 4.4 to 6.6 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water to turf with active leaf and sheath spot. • Repeat application after a 14 day interval if conditions continue to favor disease development.

Disease	Rate per 1,000 sq. ft.	Spray Interval (Days)	Application Instructions
Brown Ring Patch of zoysiagrass (*Waitea circinata var circinata*) Preventive	3.25 to 4.4 fl. oz.	30	• Apply prior to, or at first sign of, disease at a rate of 3.25 to 4.4 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water. • A second application may be made 30 days after the first, if needed.
Curative	4.4 to 6.6 fl. oz.	30	• Apply 4.4 to 6.6 fl.oz. per 1,000 square feet. • Apply by broadcast application using 2 to 5 gallons of water if Brown Ring Patch is active. • A second application may be made 30 days after the first, if needed.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in original container, and keep tightly closed when not in use. Store in a cool, dry place.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:
Nonrefillable plastic container (Less than 5 gallons)
Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

IMPORTANT: Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS**. Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is Reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

ProtectMAX®, Growing a Better World®, and the Harrell's "H" are registered trademarks of Harrell's, LLC.

EPA REG. NO. 71711-28-2217
EPA EST. NO. 2217-KS-1 01, 2217-KS-2 02
Circled digit is first digit of lot number.

HPMFLT 631/11-2025 AP101018

DISTRIBUTED BY
PBI/GORDON CORPORATION
P.O. BOX 860350
SHAWNEE, KANSAS 66286

MANUFACTURED FOR:
Harrell's, LLC.
P.O. Box 807
Lakeland, FL 33802

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FLUTOLANIL	GROUP	7	FUNGICIDE

PEEL HERE TO OPEN ▲

Harrell's ProtectMAX® Flutolanil Fungicide

ACTIVE INGREDIENT:
Flutolanil: Benzamide, N-[3-(1-methylethoxy)phenyl]-2-(trifluoromethyl) 40.0%
OTHER INGREDIENTS: 60.0%
TOTAL 100.0%

Contains 3.8 lbs. flutolanil as active ingredient per U.S. gallon

Not for sale, sale into, distribution, and or use in Nassau and Suffolk counties of New York State.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See attached booklet for Precautionary Statements and Directions for Use.

FIRST AID	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product, including human health concerns and medical emergencies, call 1-877-800-5556. In case of fire or spills, information may be obtained by calling 1-800-424-9300.	

EPA REG. NO. 71711-28-2217
EPA EST. NO. 2217-KS-1(01), 2217-KS-2(02)
Circled digit is first digit of lot number.

HPMFLT 631/11-2025 AP101018

DISTRIBUTED BY
PBI/GORDON CORPORATION
P.O. BOX 860350
SHAWNEE, KANSAS 66286

MANUFACTURED FOR:
Harrell's, LLC.
P.O. Box 807
Lakeland, FL 33802

Harrell'sProtectMAX™

GROUP 1 FUNGICIDE

T-Methyl

TURF & ORNAMENTAL FUNGICIDE

For control of a broad spectrum of diseases of bedding, flowering, herbaceous and tropical foliage plants, shrubs, trees and flowers, containerized woody shrubs and trees and turfgrass

ACTIVE INGREDIENT:	
Thiophanate-methyl	46.2%
OTHER INGREDIENTS:	53.8%
TOTAL:	100.0%

Contains 4.5 pounds thiophanate-methyl per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION / PRECAUCIÓN

See Inside Label Booklet for FIRST AID and PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-626-52287

EPA EST. NO. INDICATED BY THE FIRST TWO LETTERS OF THE BATCH NUMBER ON THIS PACKAGE (AL) 228-IL-002, (YU) 67545-AZ-001

Distributed by: Harrell's, LLC, P.O. Box 807, Lakeland, FL 33802

NET CONTENTS: 2.5 Gal. (9.46 L)

#HPMTML 06/19

Harrell's Growing a Better World®
Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | (800) 282-8007 | Harrells.com

FIRST AID	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
If in eyes:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION/PRECAUCIÓN

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber.
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exemption: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves made of any waterproof material,
- Chemical-resistant footwear plus socks,
- Chemical-resistant headgear for overhead exposures

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides [40 CFR Part 170]. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated areas without protective clothing until spray has dried.

COMMERCIAL TURF AND ORNAMENTALS PRODUCT INFORMATION

This product is formulated as a flowable liquid. It contains the active ingredient thiophanate-methyl, a broad spectrum fungicide which exhibits preventative, curative and systemic properties. It is useful on a wide variety of turf and ornamental disease problems. Apply with ground equipment using sufficient spray volume to provide thorough coverage.

Resistance Management: To avoid the development of tolerant strains of fungi, this product should be used with fungicides of different modes of action. Using this product in combination or rotation with products containing active ingredients that have similar chemistry and mode of action, such as thiabendazole, may contribute to development of disease tolerance. If, after using this product as specified in this label, treatments are ineffective, a tolerant strain of fungi may be present. Consult your local Harrell's, LLC representative, your State Agricultural Experiment Station, or your State Cooperative Extension Service for proper disease identification and advice on the prompt use of some other suitable fungicide or disease control strategy. As long as specified precautions are followed, this product can remain useful for disease control.

Mixing Instructions: SHAKE WELL BEFORE USING. Some settling may occur during prolonged periods of non-use. High pH environments can cause thiophanate-methyl, the active ingredient in this product, to break down and result in loss of efficacy. Buffer the tank water to pH 6-7 before adding this product for optimum product performance. Add required amount of product to partially filled tank (1/2 total volume), agitate by mechanical or hydraulic means, add tank mix product if used. ***Do not tank mix this product with copper-containing materials or with highly alkaline pesticides, such as Bordeaux mixture or lime sulfur*** (for more information, see 'Tank Mixing Instructions" below). Agitate again and then add remaining required amount of water. Maintain continuous agitation in the spray tank to keep the material in proper suspension. For best results, use spray mixture the same day it is prepared.

Tank Mixing Instructions: It is the pesticide user's responsibility to ensure that all products included in the tank mix are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

This product is compatible with most commonly used pesticides. If tank mixing with other materials, add products in the following order: water soluble bags, wettable powders, dry flowables, liquid flowables, emulsifiable concentrates, and soluble materials such as fertilizers. No claim of compatibility with other products is implied. ***Do not tank mix with copper-containing materials or with highly alkaline pesticides, such as Bordeaux mixture or lime sulfur.*** This product may be applied in conjunction with chemically neutral liquid fertilizers. Avoid application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, as they may cause degradation of the pesticide, resulting in reduced performance.

APPLICATION THROUGH IRRIGATION SYSTEMS

Apply this product only through the following types of sprinkler systems: center pivot, lateral move, end tow, side wheel roll, traveler, solid set, hand move (or similar); or flood (basin) irrigation system. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, contact your State Extension Service specialists, equipment manufacturers, or other experts.

Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Additional Application Instructions

Remove scale, pesticide residue, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

Determine the treatment rate as indicated in the directions for use for crop and pathogen and measure the intended areas of application.

Prepare a suspension of product in the mix tank or stock bucket. Fill the tank with 1/2 or 3/4 of the desired amount of water. Start agitation and add the required amount of product to the solution along with the remaining volume of water. Use sufficient water to ensure full coverage of foliage. Do not use an amount of water that could lead to excessive runoff from target plants. The amount of water will vary according to the amount of foliage requiring coverage and type of equipment but generally 25 to 100 gallons per acre is adequate.

Maintain a gentle agitation in the mix tank during application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time. An injection ration of 1:100 is recommended for greenhouse systems.

Pesticide application should begin as soon as irrigation pattern is established and stabilized. Irrigation should continue after application of pesticide for a sufficient amount of time for pesticide to be flushed from end of irrigation system.

Specific Information for Irrigation Systems Connected to a Public Water Supply

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone (RPZ), backflow preventer, or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back towards the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being drawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump or equivalent, effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Specific Information for Flood (Basin), Furrow and Border Chemigation

Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Specific Information for Applications through Sprinkler Irrigation Systems

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

HORTICULTURAL APPLICATIONS

Nursery, Greenhouse, Landscape & Interiorscape
Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, plus Deciduous and Evergreen Trees and Shrubs

Restriction
Except as allowed under "Backyard Fruit and Nut Trees", do not use fruit, nuts or sap from treated trees as food or feed.

This product is a broad spectrum systemic fungicide which controls a variety of foliar, stem, and root diseases on a wide range of commercially important plants. It is also effective as a pre-plant dip on cuttings and bulbs.

Note: The "Directions For Use" of this product reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before full treatment is applied to any plant type not shown on this label but found in a similar use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. This product may be phytotoxic to Swedish Ivy (*Plectranthus australis*), Boston Fern (*Nephrolepis exhalta*), and Easter Cactus (*Hatiora gaertneri*).

Application Instructions: Apply material with properly calibrated, hand held, mechanical or motorized spray equipment or by chemigation through appropriate sprinkler irrigation, flood, or drip systems, or as an overhead application where applicable. See specific instructions below.

For soil drench applications, best crop protection is achieved with preventative treatments repeated every 21-28 days.

For foliar applications, begin applications when disease first appears and repeat at 7-14 day intervals or as needed during the growing season. Use the shorter interval when conditions are unusually favorable for the development of disease. For hand held, mechanical, or motorized applications, mix 8-24 fl oz of this product per 100 gallons water (0.5-1.5 teaspoons per gal) and apply as a full coverage spray to drip for the prevention and control of the diseases listed below. Spray volume may range up to 400 gallons of finished spray per acre depending upon plant species and plant growth stage.

For applications through irrigations systems, refer to use rates indicated in the foliar application chart.

For small volume applications less than 100 gallons, divide the specified rate by 16 to get the number of teaspoons of this product per gallon.

Adjuvants: Where rainfall and/or overhead irrigation is the norm, use of a compatible spreader/sticker may enhance product performance. Where wetting of foliage is difficult, use a compatible wetting agent. Refer to the Tank Mixing Instructions section of this label for more information on tank mixing and compatibility.

Special Instructions for Proportional Injectors (e.g. Dosatron, Dosmatic, Anderson, and similar equipment)
Determine the treatment rate for crop and pathogen from the foliar application table below. Determine the injection ratio for the individual system to be used for application. For systems using a 1:100 ratio, measure and add the specified amount of material per 100 gallons to each gallon of water in a stock bucket or tank. For systems using a 1:200 ratio, multiply the specified amount per 100 gallons by 2. For systems using a 1:50 ratio, divide the specified amount per 100 gallons by 2. For systems using 1:16 ratio, divide the specified amount per 100 gallons by 6. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time. An injection ratio of 1:100 is preferred for most greenhouse and nursery systems.

FOLIAR APPLICATION

Restrictions

For all ornamentals except cut flowers, do not exceed a maximum single application rate of 85.3 fl oz product/acre (3.0 lb a.i./acre).
For cut flowers, do not exceed a maximum single application rate of 14.2 fl oz product/acre (0.5 lb a.i./acre).
For all foliar applications to ornamentals, do not apply more than 66.7 gallons product/acre per year (300 lb a.i./acre/year).

Disease(s) Controlled	Application Rate fl oz Product/100 gal	Application Instructions
Anthracnose *Colletotrichum*	12-20	Apply as buds break or at first sign of disease. Repeat at 7-14 day intervals as needed during disease period.
Black Spot of Rose *Diplocarpon rosae*	12-20	Apply early summer or at first sign of disease. Repeat every 7-14 days as needed during disease period.
Brown Rot and Blight *Monilinia, Sclerotinia, Whetzellinia*	12-20	Apply late spring or at first sign of disease. Repeat every 7-14 days as needed during the disease period.
Fusicladium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.	12-20	Apply as buds break. Repeat every 7-14 days during disease period. Effective control requires coverage during leaf expansion. Rotations and/or tank mix combinations with mancozeb (Protect™), chlorothalonil, or propiconazole can be utilized. **Restriction:** Do not use fruit from treated crabapple or pear trees for food purposes.
Leaf Spots and Blights caused by: *Ascochyta, Blumeriella, Botrytis, Cercospora, Coccomyces, Corynespora, Curvularia, Didymellina, Entomosporium, Fabraea, Fusarium, Ramularia, Rhizoctonia, Marssoninia, Mycosphaerella, Myrothecium, Phoma, Physalaspora, Schizothyrium, Septoria, Sphaceloma*	12-20	Apply when disease symptoms first appear. Repeat every 7-14 days as needed during disease period. Rotations and/or tank mix combinations with mancozeb (Protect™) or chlorothalonil can be utilized.
Ovulinia Blight	8-16	Apply as flowers open. Repeat every 7-14 days during disease period.
Powdery Mildews *Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca*	12-20	Apply when disease first appears and repeat every 7-14 days during disease period. Rotations and/or tank mix combinations with mancozeb (Protect) or triadimefon can be utilized.
Rust Diseases caused by: *Puccinia, Gymnosporangium, Uromyces*	12-16	Apply late spring or when symptoms first appear. Repeat every 7-14 days as needed during disease period. Rotations and/or tank mix combinations with mancozeb (Protect) or chlorothalonil are recommended.
Tip Blight of Pine *Sphaeropsis sapinea, Diplodia pinea*	16-20	Begin applications in the spring when new growth starts. Make a second application just prior to needle emergence from the sheath and a third application 14 days later. Thorough coverage is essential for optimal disease control.
Twig Blights, Cankers, and Diebacks *Diaporthe, Kabatina, Phoma, Phomopsis*	16-20	Apply when symptoms first appear. Repeat every 7-14 days as needed during disease period.

Backyard Fruit and Nut Trees
(Not for use in California)

Certified applicators:
If this product is used on a tree producing fruits or nuts which will be used for food or feed:

- Do not apply to home orchards/backyard fruit or nut trees after fruit or nut set.
- Do not apply to fruit or nut trees other than almond, apple, pear, pecan, pistachio, apricot, cherry, nectarine, peach, plum or prune.
- For bearing fruit and nut trees, use the following application rates (for a list of diseases controlled see the table above for Foliar Application):

Crop	Application Rate Fluid Ounces Product/Acre	Maximum Annual Rate Fluid Ounces Product/Acre
Almond, Apple, Pear, Pecan, Apricot, Cherry, Nectarine, Peach, Plum or Prune	19.5 (0.7 lb a.i./A)	59 (2.1 lb a.i./A)
Pistachio	19.5 (0.7 lb a.i./A)	39 (1.4 lb a.i./A)

Vegetable Transplants (Greenhouse and Nursery Use Only):
Not for field vegetable production

Vegetable Transplants	Diseases Controlled	Rate of Product	Application Instructions
Beans, dry and succulent including: Lima bean, Snap bean, Kidney bean, Mung bean, Navy bean, Pinto bean, Wax bean, Broad bean, Fava bean, Asparagus bean, Blackeyed pea, Cowpea, Sweet lupine, White lupine, White sweet lupine, Grain lupine, Chick pea, Garbanzo bean	**Anthracnose** *Colletotrichum* **Gray Mold** *Botrytis* **White Mold** *Sclerotinia*	29-39 fl oz/Acre[1] or 19-29 fl oz/Acre[2]	For one application: Apply when 100% of plants have at least one open bloom or when conditions are favorable for disease development. or For multiple applications: Make the first application when 10% to 30% of plants have at least one open bloom and follow with sequential applications on a 4 to 7 day interval. Apply prior to the development of disease for best results.
	• Do not apply more than 79 fl oz of product (2.8 lb a.i.)/A/year. • **Pre-harvest interval:** **California only** - 14 days for succulent beans, 28 days for dry beans and lima beans. **All other states -** 14 days for succulent beans and lima beans, 28 days for dry beans.		
CUCURBITS (Cantaloupe, Casaba, Cucumbers, Melons, Pumpkins, Summer and Winter Squash, and Watermelons)	**Anthracnose*** *Colletotrichum* **Gummy Stem Blight*** *Didymella* **Powdery Mildew*** *Erysiphe, Sphaerotheca, Podosphaera* **Target Spot*** *Corynespora*	10 fl oz/Acre[3]	Begin applications when plants begin to run or when disease first appears, and repeat at 7 to 14 day intervals. For Target Spot use at 7 day intervals.
	Belly Rots* *Rhizoctonia, Fusarium*	10 fl oz/Acre[3]	Apply in sufficient volume to allow runoff to the soil. Will not control *Pythium* or *Phytophthora.*
	• Do not apply more than 59 fl oz of product (2.1 lb a.i.)/A/year from any combination of application timings. • Follow resistance management guidelines under Directions for Use.		

* Not for this use in California.

1 Apply, for example, in 50-200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 29 fl oz per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 39 fl oz per acre. For example, if 200 gallons of water are required, use 19 fl oz per 100 gallons.

2 Apply, for example, in 50-200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 19 fl oz per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 29 fl oz per acre. For example, if 200 gallons of water are required, use 14.5 fl oz per 100 gallons.

3 Apply, for example, in 50-200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 10 fl oz per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 10 fl oz per acre. For example, if 200 gallons of water are required, use 5 fl oz per 100 gallons.

SOIL DRENCH APPLICATION

Restriction

Do not apply more than 66.7 gallons product/acre per year (300 lb a.i./acre/year).

Diseases Controlled	Rate of Product	Application Instructions
Stem, Crown, and Root Rots caused by: *Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia* **Black Root Rot** *Thielaviopsis*	12-20 fl oz/100 gal	Apply as a drench or directed spray using hand held, mechanical, or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler irrigation systems, after seeding or sticking of cuttings (8 fl oz) or after transplanting (12-16 fl oz) to propagation beds, containers, pots, trays, or nursery or landscape beds at a rate to thoroughly soak the growing media through the root zone. A general guide is 0.25-3.0 pints of finished mixture per sq ft depending on the media type and depth (about 4 fl oz per 4 inch pot or 8 fl oz per 6 inch pot). Repeat every 21-28 days for adequate crop protection. **Note:** This product does not control *Pythium* or *Phytophthora*. Tank mix combinations with metalaxyl, mefenoxam, etridiazole, fosetyl-Al, or mono and dipotassium salts of phosphorous acid or propamocarb are required for the control of *Pythium* and *Phytophthora*.

PLANT DIP APPLICATION

Diseases Controlled	Product Use Rate	Application Instructions
Plant or Cutting Diseases caused by: *Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis*	16-20 fl oz/100 gal	Immerse plants or cuttings for 10-15 min. Remove and allow to drain. **Note:** Follow accepted hygiene practices to minimize the introduction and spread of water borne bacterial and water mold fungal diseases.
Bulb, Corm, and Rhizome Rots caused by: *Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis*	16-20 fl oz/100 gal	Soak cleaned bulbs for 15-30 min in warm solution (80-85ºF). For storage disease prevention, treat bulbs preferably within 48 hours after digging. After treatment, dry well before storing. If bulbs are for forcing, treat bulbs that have been heat-cured. **Note:** Follow accepted hygiene practices to minimize the introduction and spread of water born bacterial and water mold fungal diseases.

TURF APPLICATIONS

For use on all fine turf applications, Bentgrasses, Bermuda grasses, Bluegrasses, Fescues, Ryegrasses, St. Augustine grasses, and Zoysia or their mixtures. This product is not phytotoxic to any of the above mentioned grasses when used in accordance with the label. Use this product for the prevention and control of the diseases listed below.

For best results use spray mixture the same day it is prepared. Spray uniformly over the area to be treated with a properly calibrated sprayer. Apply after mowing or avoid mowing twelve hours after application. Apply specified amounts in sufficient water to obtain thorough coverage (2-4 gallons per 1,000 square feet suggested). When treating golf greens, always treat aprons.

Application Instructions: Apply material with properly calibrated hand held, mechanical or motorized spray equipment or by chemigation through appropriate sprinkler irrigation systems. Spray uniformly over the area to be treated. Apply specified amounts in sufficient water to obtain thorough coverage of treatment area (2-4 gal per 1,000 sq ft is suggested). When treating golf greens, always treat aprons. Use the higher specified rate under conditions of severe disease pressure. For best results, apply after mowing or avoid mowing twelve hours after application. For root pathogens, lightly water the treatment area to move the fungicide into the active root zone with one to two tenths inch of water. Excessive irrigation may move application below active root zone and reduce application effectiveness. Green design and drainage will influence irrigation practices. When tank mixing with contact action fungicides for foliar diseases, allow applications to dry on leaf surfaces. Normal watering may proceed after sprays have dried.

Restrictions
Not for homeowner use.
For use only by certified applicators or those under their immediate supervision.
Not for use on turf being grown for sale or other commercial use as sod.
Do not graze animals on treated turf.
Do not feed clippings to livestock or poultry.
Do not apply with fixed wing or rotary aircraft.
Minimum 14-day Retreatment Interval.

Maximum Individual Application Rates and Minimum Retreatment Intervals
Do not exceed the amounts per acre or reduce the retreatment interval indicated below.

Use Site	Maximum Application rate of Product	Minimum Retreatment Interval	Restrictions
Residential or Public Areas	1 ¾ fl oz / 1,000 sq ft (2.7 lb a.i./A)	14 days	
Golf Course Tees, Greens, Aprons	5 ⅓ fl oz / 1,000 sq ft (8.2 lb a.i./A)	14 days	
Golf Course Fairways – except Florida	3 ½ fl oz / 1,000 sq ft (5.5 lb a.i./A)	14 days	Excludes Florida
Golf Course Fairways – Florida Only	1 ¾ fl oz / 1,000 sq ft (2.7 lb a.i./A)	14 days	Florida Only

Maximum Annual Application Rates
Do not exceed the following amounts of product per acre per year.

Use Site	Maximum Gallons of Product per Acre per Year	Fluid Ounces Product per 1,000 sq ft	Restrictions
Residential or Public Areas	2.4 (10.9 lb a.i.)	7	4 Applications per year
Golf Course Tees, Greens, Aprons	4.8 (21.8 lb a.i.)	14 ¼	
Golf Course Fairways – except Florida	1.2 (5.5 lb a.i.)	3 ½	Excludes Florida
Golf Course Fairways – Florida Only	0.6 (2.7 lb a.i.)	1 ¾	Florida Only

Turf Disease Control

Disease(s) Controlled	Product Use Rate fl oz/1,000 sq ft	Application Instructions
Anthracnose, basal *Colletotrichum cereale* **Anthracnose, foliar** *Colletotrichum cereale*	3 ½ - 5 ⅓ 2 - 3 ½	For prevention in historic areas of disease pressure, apply twice at 14 day intervals when soil temperature reaches 60ºF. For curative control, apply when disease first appears and continue at 14 day intervals. Rotations and/or tank mix combinations with chlorothalonil or triadimefon can be utilized.
Bermudagrass Decline *Gaeumannomyces graminis* var. *graminis* **Take-All-Patch** *Gaeumannomyces graminis* var. *avenae*	3 ½ - 5 ⅓	Apply in mid-July or when disease symptoms first appear and repeat at 14 day intervals for suppression. Use higher rates under most severe disease expression. Water treatment into active root zone. Follow proper agronomic recommendations to maintain plant vigor.
Cool Season Brown Patch *Rhizoctonia cerealis* **Necrotic Ring Spot** *Leptosphaeria korrea* **Spring Dead Spot** *Leptosphaeria korrea*	3 ½ - 5 ⅓	For prevention, apply in Fall before turf has stopped all growth activity. Apply second application in early Spring when soil temperatures reach 55-60ºF or when disease first appears. For curative action, apply when disease first appears in early Spring and continue at 14 day intervals. Water treatment into active root zone.
Coprinus Snow Mold *Coprinus psychromorbidus*	3 ½ - 5 ⅓	Apply 2 treatments at 21 day intervals in late Fall to early Winter, with the last application made just prior to first permanent snow cover. Rotations and/or tank mix combinations with PCNB can be utilized.
Dollar Spot *Moellerodiscus, Lanzia, Sclerotinia* **Large Brown Patch** *Rhizoctonia solani* **Ascochyta Leaf Blight** *Ascochyta* **Copper Spot** *Gloeocercospora sorghi* **Fusarium Patch** *Fusarium nivale* **Red Thread** *Laetisaria fuciformis* **Zoysia Patch** *Rhizoctonia solani*	2 - 3 ½	Apply when disease first appears and continue at 14 day intervals. Rotations and/or tank mix combinations with chlorothalonil, iprodione, or mancozeb (Protect) can be utilized.
Fusarium Blight *Fusarium roseum, F. triticum*	3 ½ - 5 ⅓	Apply when disease first appears at 14 day intervals.
Gray Leaf Spot (Blast) *Pyricularia grisea*	3 ½ - 5 ⅓	Apply preventative application before expected period of disease development. Continue applications at 14 day intervals.
Leaf Spot *Drechslera* **Leaf, Crown,** and **Root Diseases** *Bipolaris, Curvularia, Exserohilum*	3 ½ - 5 ⅓	Apply when disease first appears and make applications at 14 day intervals as needed. Rotations and/or tank mix combinations with chlorothalonil, iprodione, or mancozeb (Protect) are recommended under severe conditions.
Pink Snow Mold *Michrodochium nivale*	3 ½ - 5 ⅓	Apply in late Fall to early Winter before turf has stopped all growth activity. A second application may be used in combination with chlorothalonil, PCNB, or thiram (Spotrete™) at recommended rates before snow cover or during Spring thaw.
Rusts *Puccinia, Uromyces*	3 ½ - 5 ⅓	Apply at 14 day intervals when disease first appears. Rotations and/or tank mix combinations with chlorothalonil or mancozeb (Protect) are recommended.

(continued)

Turf Disease Control *(continued)*

Disease(s) Controlled	Product Use Rate fl oz/1,000 sq ft	Application Instructions
Stripe Smut *Ustilago striiformis*	3 ½ - 5 ⅓	Apply at 14 day intervals when disease first appears. For prevention, apply in spring and fall.
Summer Patch *Magnaporthe poae*	3 ½ - 5 ⅓	For prevention, apply 3 applications starting late April or early May using 21 day intervals. Rotations and/or tank mix combinations may be used as part of the three application program. For suppression, apply at 14 day intervals when disease first appears. Water treatment into active root zone.
Bentgrass Dead Spot *Ophiosphaerella agrostis*	3 ½ - 5 ⅓	For prevention, apply in early June or based upon local Extension Service recommendations. Apply at 14 day intervals. Rotations and/or tank mix combinations may be used for season long disease prevention.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Store in original container in a dry, temperature controlled area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER

THE DIRECTIONS FOR USE OF THIS PRODUCT MUST BE FOLLOWED CAREFULLY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations of liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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All other trademarks are the property of their respective owners.

Harrell's ProtectMAX™ is a trademark and Growing a Better World® is a registered trademark of Harrell's LLC. RV122217

SPECIMEN

Group 7 Fungicide

Emerald®

FUNGICIDE

For disease control on golf course turfgrass

Active Ingredient:	
Boscalid: 3-pyridinecarboxamide, 2-chloro-N-(4'-chloro(1,1'-biphenyl)-2-yl)-	70.0%
Other Ingredients:	30.0%
Total:	100.0%

EPA Reg. No. 7969-196

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside booklet for complete **First Aid**, **Precautionary Statements**, **Directions For Use**, **Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

BASF
The Chemical Company

CHLOROTHALONIL	GROUP M05	FUNGICIDE

ACIBENZOLAR-S-METHYL	GROUP P1	FUNGICIDE

Daconil Action™

Flowable Fungicide

For control of turf diseases: sod farms; turf on golf courses, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.

Active Ingredients:

Chlorothalonil*	53.94%
Acibenzolar-S-methyl:**	0.11%
Other Ingredients:	45.95%
Total:	100.00%

*CAS No. 1897-45-6
**CAS No. 135158-54-2

Contains: 6.1 pounds chlorothalonil per gallon 0.012 pounds acibenzolar-S-methyl per gallon

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1364

EPA Est. 86555-MO-001

SCP 1364A-L1A 0722

2.5 gallons

Net Contents

syngenta®

FIRST AID	
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN

Persons suffering with temporary allergic skin reactions may respond to treatment with oral antihistamines and topical or oral steroids.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

HOTLINE NUMBER

For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call

1-800-888-8372

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING/AVISO

May be fatal if inhaled. Do not breathe spray mist. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear appropriate protective eyewear (goggles, face shield, or safety glasses), and chemical-resistant gloves. Harmful if swallowed.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Mixers, Loaders, and all other Handlers (except Applicators) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or a canister with any N, R, P or HE prefilter.
- Protective eyewear (goggles, face shield, or safety glasses)

Applicators must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear (goggles, face shield, or safety glasses)

User Safety Requirements

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

PRECAUTIONARY STATEMENTS *(continued)*

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This product is toxic to aquatic invertebrates, fish and wildlife. DO NOT apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. DO NOT contaminate water when disposing of equipment washwater or rinsate.

Chlorothalonil, one of the active ingredients in Daconil Action, is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Daconil Action can contaminate surface water through spray drift. Under some conditions, it may have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas over-laying extremely shallow ground water, areas with infield canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

Physical or Chemical Hazards

Do not use, pour, spill, or store near heat or open flame.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

Read entire label carefully and use only as directed.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Daconil Action must be used only in accordance with recommendations on this label or in separately published SYNGENTA supplemental labeling recommendations for this product.

DO NOT apply this product in a way that will contact workers or other persons, or pets either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow workers to enter treated areas during the restricted entry interval of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: long-sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, shoes plus socks, protective eyewear (goggles, face shield, or safety glasses).

Special Eye Irritation Provisions: This product is a severe eye irritant. Although the restricted entry interval expires after 12 hours, for the next 6.5 days entry is permitted only when the following safety measures are provided:

(1) At least one container designed specifically for flushing eyes must be available in operating condition at the WPS required decontamination site intended for workers entering the treated area.

(2) Workers must be informed, in a manner they can understand:

- that residues in the treated area may be highly irritating to their eyes
- that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes
- that if they do get residues in their eyes, they should immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water, and
- how to operate the eyeflush container

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

DO NOT enter or allow others to enter area until sprays have dried.

USE INFORMATION

ONLY FOR USE ON: sod farms; turf on golf courses, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.

DO NOT use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (e.g., elementary, middle and high schools), campgrounds, churches, and theme parks.

Daconil Action is an excellent disease control agent when used according to label directions for control of a broad spectrum of turf diseases. Daconil Action couples a multiple-site contact fungicide with a systemic compound used for control and suppression of disease through induction of host plant resistance.

Daconil Action exhibits an additional unique mode of action, beyond chlorothalonil alone, which mimics the natural systemic activated resistance (SAR) response found in most plant species. This SAR response does not involve direct activity against the target pathogens.

Integrated Pest (Disease) Management

Daconil Action is recommended for use in programs that are compatible with the principles of Integrated Pest Management (IPM), which include the use of disease resistant turf varieties, cultural practices, pest scouting and disease forecasting systems, which reduce unnecessary applications of pesticides.

Daconil Action is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides that are at risk from disease resistance exhibit a single-site mode of fungicidal action. Daconil Action, with a multi-site mode of action, may be used to delay or prevent the development of resistance to single-site fungicides. Consult your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Daconil Action in programs which seek to minimize the occurrence of disease resistance to other fungicides.

For best performance, always follow these directions:

- Daconil Action should be applied to turf foliage early, before disease symptoms become severe, and ideally prior to disease development
- Daconil Action, in addition to be a contact fungicide, moves systemically within the plant, however uniform spray coverage is essential for best performance. Apply Daconil Action by ground application in sufficient water to ensure uniform coverage. See instructions for specific recommendations.
- Daconil Action mimics the SAR response in plants. Maximum disease control is normally obtained 4 days after a Daconil Action application.

Daconil Action provides added protection against certain diseases in turf. Daconil Action provides added protection to reduce disease levels in curative applications.

Resistance Management

CHLOROTHALONIL	GROUP	M05	FUNGICIDE
ACIBENZOLAR-S-METHYL	GROUP	P1	FUNGICIDE

For resistance management, please note that Daconil Action contains both a Group M05/[chlorothalonil] and Group P1/[acibenzolar-s-methyl] fungicide. Any fungal population may contain individuals naturally resistant to Daconil Action and other Group M05 or Group P1 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of Daconil Action or other Group M05 or Group P1 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local Syngenta representative, retailer, or extension specialist for any additional pesticide resistance-management and/or IPM recommendations for specific plants and pathogens.
- For further information or to report suspected resistance contact Syngenta at 1-866-Syngent(a) (866-796-4368). You can also contact your pesticide distributor or university extension specialist to report resistance.

USE PRECAUTIONS AND RESTRICTIONS

ONLY FOR USE ON: sod farms; turf on golf courses, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.

Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (e.g., elementary, middle and high schools), campgrounds, churches, and theme parks.

DO NOT apply by air.

DO NOT apply through any type of irrigation system.

SPRAY DRIFT MANAGEMENT

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

IMPORTANCE OF DROPLET SIZE

The most effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

BOOM-LESS GROUND APPLICATIONS

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

HANDHELD TECHNOLOGY APPLICATIONS

Take precautions to minimize spray drift.

Agricultural Use Sites Only (sod farms): This product must not be applied within 25 feet for ground applications of marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

DO NOT spray when conditions favor drift beyond the area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size etc. Contact your State extension agent for spray drift prevention guidelines in your area.

MIXING INSTRUCTIONS

Prepare no more spray solution than is needed for the immediate spray operation. Thoroughly clean spray equipment before using this product to prevent possible crop injury or nozzle clogging problems from spray tank contamination. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray solution stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

DO NOT combine Daconil Action in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. DO NOT combine Daconil Action with Dipel®, Latron B-1956® or Latron AG-98®, horticultural oil, and products containing xylene as phytotoxicity may result from the combination when applied to some species on this label. A tank mix of Daconil Action with Chipco® Signature® can result in physical antagonism if not mixed properly.

Always fill the spray tank with water to near capacity first. Then, with the agitator running, slowly add the desired amount of Chipco Signature and/or other tankmix partners.

APPLICATION EQUIPMENT

DO NOT apply by air or through any type of irrigation system.

Daconil Action may be applied with most types of spray equipment commonly used for making ground applications.

For more information on spray equipment and calibration, consult sprayer equipment manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural extension service recommendations.

DIRECTIONS FOR APPLICATION - TURF

ONLY FOR USE ON: sod farms; turf on golf courses, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.

Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (e.g., elementary, middle and high schools), campgrounds, churches, and theme parks.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN TURF INJURY AND/OR POOR DISEASE CONTROL.

Ground Application

Thorough coverage is necessary to provide maximum disease control.

Apply Daconil Action in an adequate amount of water to provide complete coverage. This amount may vary from 45 to 120 gallons per acre. See table below for suggested rates and timing. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; Daconil Action should always be used in conjunction with good turf management practices.

In addition to nozzle selction for drift minimization and maximization of coverage, use a pump with capacity to (1) maintain adequate psi at nozzles, and (2) provide sufficient agitation in the tank to keep mixture in uniform suspension - this requires recirculation of 10% of tank volume per minute. Use a jet agitator liquid sparge tube for agitation. Do not air sparge.

Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump should be **16-mesh or coarser**. Do not place a screen in the recirculation line. Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles. Check nozzle manufacturer's recommendations.

SOD FARMS:

Apply Daconil Action in 45 to 120 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; Daconil Action should always be used in conjunction with good turf management practices.

Restrictions:

Sod farm turf treated with chlorothalonil prior to harvest must be mechanically cut, rolled and harvested.

Do not apply more than 17.0 pints/acre (6.25 fl oz/1000 sq ft) of Daconil Action per growing season (13 lb chlorothalonil per acre per growing season).

The minimum re-treatment interval for single application rates **up to** 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil/acre) is 7 days.

Do not apply more than one application of a rate greater than 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil/acre) per growing season.

The maximum single application rate is 14.8 pints/acre (5.4 fl oz/1000 sq ft) of Daconil Action (11.3 lb chlorothalonil/acre).

GROUP A TURF:

Golf Course Fairways and Roughs, professional and collegiate athletic fields; and lawns around commercial and industrial buildings.

Apply Daconil Action in 45 to 120 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; Daconil Action should always be used in conjunction with good turf management practices.

Restrictions:

Do not apply more than 34.1 pints/acre (12.5 fl oz/1000 sq ft) of Daconil Action per growing season (26 lb chlorothalonil/acre/growing season).

The minimum re-treatment interval for single application rates **up to** 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil/acre) is 7 days.

Do not apply more than one application of a rate greater than 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil/acre) per growing season.

The maximum single application rate is 14.8 pints/acre (5.4 fl oz/1000 sq ft) of Daconil Action (11.3 lb chlorothalonil/acre).

GROUP B TURF:

Golf Course Tees and Greens

Apply Daconil Action in 45 to 120 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; Daconil Action should always be used in conjunction with good turf management practices.

Restrictions:

Golf Course Tees:

Do not apply more than 68.2 pints/acre (25 fl oz/1000 sq ft) of Daconil Action (52 lb chlorothalonil/acre) per growing season.

The minimum re-treatment interval for single application rates **up to** 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil/acre) is 7 days.

The minimum re-treatment interval after an application of a rate **greater than** 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil /acre) is 14 days.

Do not apply more than two applications of a rate greater than 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil /acre) per growing season.

The maximum single application rate is 14.8 pints/acre (5.4 fl oz/1000 sq ft) of Daconil Action (11.3 lb chlorothalonil/acre).

Golf Course Greens:

Do not apply more than 95.7 pints/acre (35.1 fl oz/1000 sq ft) of Daconil Action (73 lb chlorothalonil /acre) per growing season.

The minimum re-treatment interval for single application rates **up to** 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil/acre) is 7 days

The minimum re-treatment interval after an application of a rate **greater than** 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb ai/acre) is 14 days.

Do not apply more than two applications of a rate greater than 9.6 pints/acre (3.5 fl oz/1000 sq ft) of Daconil Action (7.3 lb chlorothalonil /acre) per growing season.

The maximum single application rate is 14.8 pints/acre (5.4 fl oz/1000 sq ft) of Daconil Action (11.3 lb chlorothalonil /acre).

Disease Table

		Pre-Disease Rates[a]			Post-Disease Rates[a]		
Diseases Controlled*	Application Interval (Days)	fl oz product/ 1000 sq ft	pints product/ acre	chlorothalonil lb/acre	fl oz product/ 1000 sq ft	pints product/ acre	chlorothalonil lb/acre
Dollar Spot	7 to 10 7 to 21 14	1.0[b] to 2.0 2.0 to 3.5 1.6 to 2.0	2.75[b] to 5.4 5.4 to 9.6 4.4 to 5.4	2.1[b] to 4.1 4.1 to 7.3 3.4 to 4.1	- - 4.0 to 5.4	- - 10.8 to 14.8	- - 8.25 to 11.3
Leaf Spot Melting-Out Brown Blight	7 to 10 7 to 21 14	2.0 2.0 to 3.5 -	5.4 5.4 to 9.6 -	4.1 4.1 to 7.3 -	- - 4.0 to 5.4	- - 10.8 to 14.8	- - 8.25 to 11.3
Brown Patch	7 to 14 14	2.0 to 3.5 -	5.4 to 9.6 -	4.1 to 7.3 -	- 4.0 to 5.4	- 10.8 to 14.8	- 8.25 to 11.3
Gray Leaf Spot	7 to 10 14	2.0 to 3.5 -	5.4 to 9.6 -	4.1 to 7.3 -	- 4.0 to 5.4	- 10.8 to 14.8	- 8.25 to 11.3
Red Thread	7 to 10 14	2.0 to 3.5 3.6 to 5.4	5.4 to 9.6 9.7 to 14.8	4.1 to 7.3 7.4 to 11.3	- 5.4	- 14.8	- 11.3
Anthracnose	7 to 14 14	3.0 to 3.6 3.6 to 5.4	8.1 to 9.6 9.7 to 14.8	6.2 to 7.3 7.4 to 11.3	- -	- -	- -
Copper Spot	14	4.0 to 5.4	10.8 to 14.8	8.25 to 11.3	5.4	14.8	11.3
Bermudagrass Decline and Take-All Root Rot	14	3.5	9.6	7.3	-	-	-
Stem Rust (Bluegrass)	14	4.0 to 5.4	10.8 to 14.8	8.25 to 11.3	5.4	14.8	11.3
Dichondra Leaf Spot (CA only)	14	4.0 to 5.4	10.8 to 14.8	8.25 to 11.3	5.4	14.8	11.3
Gray Snow Mold[c]	30	5.4	14.8	11.3	-	-	-
Fusarium Patch[c]	21 to 28	5.4	14.8	11.3	-	-	-
Algae[c]	7 to 14 14	2.0 to 3.5 -	5.4 to 9.6 -	4.1 to 7.3 -	2.0 to 3.6 4.0 to 5.4	5.4 to 9.6 10.8 to 14.8	4.1 to 7.3 8.25 to 11.3

[a]**Group A Turf:** Limit of one application per season at rates greater than 7.3 lb chlorothalonil/acre (9.6 pints/acre or 3.5 fl oz/1000 sq ft of Daconil Action.

Group B Turf: Limit of two applications per season at rates greater than 7.3 lb chlorothalonil/acre (9.6 pints/acre or 3.5 oz/1000 sq ft of Daconil Action.

[b]Low rate is not effective on intensively mowed turfgrasses such as golf course tees and greens.

[c]See specific use directions below.

***Diseases listed are caused by fungi, some of which are named as follows:

- Dollar Spot: *Sclerotinia homeocarpa; Lanzia* or *Moellerodiscus* spp.
- Leaf Spots, Melting-Out, Brown Blight: *Drechslera* spp. (including *D. poae, D. siccans*), *Bipolaris sorokiniana, Curvularia* spp.
- Brown Patch: *Rhizoctonia solani, R. zeae, R. cerealis*
- Gray Leaf Spot: *Pyricularia grisea, P. oryzae*
- Red Thread: *Laetisaria fuciformis*
- Anthracnose: *Colletotrichum graminicola*
- Bermudagrass, decline and take-all root rot: *Gaeumannomyces graminis var. gramins*
- Copper Spot: *Gloeocercospora sorghi*
- Stem Rust: *Puccinia graminis*
- Dichondra Leaf Spot: *Alternaria* spp.
- Gray Snow Mold: *Typhula* spp.
- Fusarium Patch
- Algae

Gray Snow Mold caused by *Typhula* spp. - Group A and B - Turf:

Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 sq ft).

Apply one application 14.8 pints/acre (5.4 fl oz/1000 sq ft) of Daconil Action (11.3 lb chlorothalonil/acre). Application must be made before snow cover in autumn.

Group B Turf: if snow cover is intermittent or lacking during the winter, a second application of Daconil Action at 14.8 pints/acre (5.4 fl oz/1000 sq ft) may be applied one month after the first application.

Fusarium Patch: Group A and B Turf:

In areas where pink snow mold (Fusarium patch) is likely to occur, apply Daconil Action at 14.8 pints/acre (5.4 fl oz/1000 sq ft) (11.3 lb chlorothalonil/acre) in combination with products containing iprodione at 88 oz ai/acre (2 oz ai/1000 sq ft) of turf area. Read and observe all label directions for products containing these active ingredients.

For control of Fusarium patch only in areas where snow cover is intermittent or lacking during the winter, apply 14.8 pints/acre (5.4 fl oz/1000 sq ft) of Daconil Action (11.3 lb chlorothalonil/acre). Make application in late autumn.

Group B Turf: Apply a second application of 14.8 pints/acre (5.4 fl oz/1000 sq ft) of Daconil Action 21 to 28 days after the first application unless conditions favorable for Fusarium patch no longer prevail.

Algae: Group A and B Turf:

For prevention of algae on turfgrasses, apply Daconil Action at the rate of 5.4 to 9.6 pints/acre (2.0 to 3.5 fl oz/1000 sq ft) (4.1 to 7.3 lb chlorothalonil/acre) on a 7 to 14-day schedule. Under severe algae conditions use the 9.6 pints/acre (3.5 fl oz/1000 sq ft) rate and apply on a 7-day schedule.

When algae is well established, every attempt should be made to dry out the afflicted area. Once dry, spiking or verticutting should be done to enhance turfgrass recovery in conjunction with a Daconil Action application at the rate of 11 to 14.8 pints/acre (4.0 to 5.4 fl oz/1000 sq ft).

Group B Turf: A second application of Daconil Action at the 14.8 pints/acre (5.4 fl oz/1000 sq ft) rate may be made 14 days after the first application.

Group A and B Turf: Following application of the 14.8 pints/acre (5.4 fl oz/1000 sq ft) rate, several applications of Daconil Action at a rate of 5.4 to 9.6 pints/acre (2.0 to 3.5 fl oz/1000 sq ft) (4.1 to 7.3 lb chlorothalonil/acre) on a 7 to 14-day interval may be necessary for turfgrass recovery. Only a preventive spray program with Daconil Action will prevent a recurrence of the algae when environmental conditions are favorable.

Suppression Bacterial Wilt and Symptoms Associated with Mad Tiller Disease Group A and B Turf

For optimum suppression bacterial wilt and control of symptoms associated with mad tiller disease Daconil Action should be applied prior to the appearance of disease.

		Pre-Disease Rates[a]		
Diseases Suppressed*	Application Interval (Days)	fl oz product/ 1000 sq ft	pints product/ acre	lb ai/acre
Bacterial Wilt	7 to 10 7 to 14	2.0[b] 2.0 to 3.6	5.0[b] 5.5 to 9.75	4.1[b] 4.1 to 7.3
Symptoms associated with mad tiller	7 to 10 7 to 14	2.0[b] 2.0 to 3.6	5.0[b] 5.5 to 9.75	4.1[b] 4.1 to 7.3

[a]**Group A Turf:** Limit of one application per season at rates greater than 7.3 lb ai/acre (9.75 pints/acre or 3.6 fl oz/1000 sq ft of Daconil Action.

Group B Turf: Limit of two applications per season at rates greater than 7.3 lb ai/acre (9.75 pints/acre or 3.6 oz/1000 sq ft of Daconil Action.

[b]Low rate is not effective on intensively mowed turfgrasses such as golf course tees and greens.

Suppression of Pythium blight Group A and B Turf

For optimum suppression of Pythium blight Daconil Action should be applied prior to the appearance of disease.

		Pre-Disease Rates[a]		
Diseases Suppressed*	Application Interval (Days)	fl oz product/ 1000 sq ft	pints product/ acre	lb ai/acre
Pythium Blight	7 to 10 7 to 14	2.0 [b] 2.0 to 3.6	5.0[b] 5.5 to 9.75	4.1[b] 4.1 to 7.3

[a]Group A Turf: Limit of one application per season at rates greater than 7.3 lb ai/acre (9.75 pints/acre or 3.6 fl oz/1000 sq ft of Daconil Action.

Group B Turf: Limit of two applications per season at rates greater than 7.3 lb ai/acre (9.75 pints/acre or 3.6 oz/1000 sq ft of Daconil Action.

[b]Low rate is not effective on intensively mowed turfgrasses such as golf course tees and greens.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Store in a cool, dry place.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Handling (less than or equal to 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Daconil® Action™ and the ALLIANCE FRAME
the SYNGENTA Logo and the PURPOSE ICON
are Trademarks of a Syngenta Group Company.

Dipel® is a registered trademark of Valent BioSciences Corporation

Latron B-1956® and Latron AG-98® are trademarks of
Dow AgroSciences LLC

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For non-emergency (e.g., current product information) call
Syngenta Crop Protection at 1-866-796-4368.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1364A-L1A 0722

GROUP 29 FUNGICIDE

PULL HERE TO OPEN

Secure®

syngenta®

Fungicide

For use to control diseases of turf grasses on golf courses only.

Active Ingredient:	
Fluazinam*	40.0%
Other Ingredients:	60.0%
Total:	100.0%

*3-chloro-*N*-[3-chloro-2,6-dinitro-4-trifluoromethyl)phenyl]-5-trifluoromethyl-2-pyridinamine (CA)

Contains 4.17 pounds fluazinam per gallon (500 grams per liter)

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use in booklet.

Read entire label carefully and use only as directed.

EPA Reg. No. 71512-20-100 EPA Est. 1022-TN-001

Product of Korea Formulated in USA

SCPPL 71512-20-L1C 0317
4080105

2.5 gallons
Net Contents

®

FIRST AID	
If on skin	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything to an unconscious person.
NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING - AVISO

Causes skin irritation. Harmful if absorbed through skin. Causes moderate eye irritation. Harmful if inhaled or swallowed. Do not get on skin or on clothing. Avoid contact with eyes. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use. Do not take internally.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Coveralls worn over long-sleeved shirt, long pants
- Socks and chemical resistant footwear
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- Protective eyewear.

When mixing and loading, or when cleaning equipment, also wear a chemical resistant apron.

continued…

PRECAUTIONARY STATEMENTS *(continued)*

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not allow contact of contaminated clothing with unprotected skin.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements

When handlers use closed systems, or enclosed cabs, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down. Do not allow contact between contaminated sprayer parts and unprotected skin. Ensure sprayer is washed down daily.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN TURF INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Turf grasses on golf courses are not within the scope of the Worker Protection Standard.

Do not enter or allow others to enter the treated area until sprays have dried.

PRODUCT INFORMATION

Secure is a broad spectrum fungicide for use to control diseases of turf grasses on golf courses only.

Use Restrictions

- Do Not apply Secure to home lawns (turf) or any other residential turf
- Do Not apply Secure by aerial application
- Do Not apply Secure through any irrigation system
- Do Not apply Secure within 25 feet of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries).
- In the State of New York, Do Not apply Secure within 100 feet of water bodies that are connected to other off site surface waters.
- Do Not apply Secure when the wind direction is toward aquatic areas to minimize drift to these areas.

Use Precautions

Secure may be applied with all types of spray equipment normally used for ground applications on golf courses.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. Where states have more stringent regulations, they must be observed.

INTEGRATED PEST MANAGEMENT

Secure is an excellent disease control agent when used according to label directions for control of a broad spectrum of listed plant diseases. Secure is recommended for use in programs which are compatible with the principles of Integrated Pest Management (IPM), which may include the use of disease resistant crop varieties, cultural practices, biological control agents, pest scouting and disease forecasting systems aimed at preventing economic pest damage and reducing unnecessary applications of pesticides. Practices known to reduce disease development should be followed. Consult your state cooperative extension service or local agricultural authorities for additional IPM strategies established in your area. Secure may be used in State Agricultural Extension advisory (disease forecasting) programs that recommend application timing based on environmental factors which favor disease development.

RESISTANCE MANAGEMENT

Some plant pathogens are known to develop resistance to products used repeatedly for disease control. Secure is effective for strategic use in fungicide disease management programs that attempt to minimize disease resistance to fungicides. Secure has a multi-site mode of action that disrupts the energy production in the fungus. It is listed in FRAC code 29, as an uncoupler of oxidative phosphorylation. Some other fungicides, which are at risk from disease resistance, exhibit a single-site mode of fungicidal action. Secure, with its multi-site mode of action, may be used to prevent or delay the development of resistance to single-site fungicides when used as a tank-mix partner or alternated in a disease management program.

Secure has demonstrated excellent control of *Sclerotinia homeocarpa, Lanzia* and *Moellerodiscus* strains (causing Dollar Spot) that are insensitive to several classes of fungicides.

Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Secure in programs that seek to minimize the occurrence of disease resistance to other fungicides. Secure is an excellent partner for those products that specify the use of a protectant or other fungicide that has a different mode of action.

PLANT TOLERANCE

Note to User: Although Secure has been evaluated on several turf species with no indication of phytotoxicity, neither the manufacturer nor seller has determined whether or not Secure can be used safely on all turf species. The professional user should determine if Secure can be used safely prior to commercial use by testing on the type of turf to be treated at recommended rates for phytotoxicity.

MIXING AND SPRAYING

Secure can be used effectively in dilute sprays. Thorough, uniform coverage is essential for disease control.

NOTE: Slowly invert container several times to assure uniform mixture.

Prepare only the amount of spray mixture required for immediate use. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods in the spray tank. Spraying equipment should be thoroughly cleaned immediately after the application.

Secure Alone: Fill the spray tank with half of the required amount of water with the agitator running, add Secure to the spray tank. Continue agitation while adding the remainder of the water. Begin application of the solution after Secure has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Tank Mixtures: Secure is physically compatible with many products recommended for control of diseases, liquid fertilizers, growth regulators, insecticides and biological control products. If tank mixes are desired, read and follow all directions, precautions, and limitations on labeling of all products used. This product must not be mixed with any product which prohibits such mixing. It is the applicator's responsibility to ensure that the companion product is EPA approved for use on the intended site. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

Secure is generally compatible with the products mentioned above, provided sufficient free water is available for dispersion of all the tank mix products. However, the physical compatibility of Secure with tank mix partners should be evaluated before use. A jar test should be conducted with intended tank-mix products prior to preparation of large volumes. Use the following procedure: 1) Pour the recommended proportions of the products into a suitable container of water, 2) Mix thoroughly and 3) Allow to stand for 5 minutes. If the combination remains mixed or can be re-mixed readily, it is considered physically compatible. Any physical incompatibility in the jar test indicates that Secure should not be used in the tank-mix.

Consult compatibility charts or your local or state agricultural authorities for additional compatibility information.

To prepare spray solution, add ½ of the required amount of water to the mix/ sprayer tank. Start the agitator running before adding any tank mix partners. In general, add tank mix partners in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables (such as Secure), liquids, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

When using Secure in tank mixtures, add all products in water-soluble packaging to the tank before any other tank mix partner, including Secure. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

Use a pump with capacity to maintain the correct rated pressure for the nozzles selected. Maintain sufficient agitation to keep mixture in suspension. Use a jet agitator, liquid sparge tube, or mechanical paddle for agitation.

Use screens to prevent nozzles from clogging. Use 50-mesh or coarser screens placed after the tank and before the nozzles. Check nozzle manufacturer's recommendations. For more information on spray equipment and calibration, consult sprayer manufactures and state recommendations.

Apply Secure in sufficient water to obtain adequate uniform coverage of the turf. Apply in a minimum spray volume of 40 gal of water per acre on fairways and 90 gal of water per acre on tees and greens.

Turfgrass Disease Control

1. Use Secure in a Preventative Disease Control Program.
2. Apply in sufficient water to ensure thorough coverage.
3. Apply after mowing or allow sprayed area to completely dry before mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For optimum turf quality and disease control, use Secure in conjunction with turf management practices that promote good plant health and optimum disease control.
6. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
7. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.
8. Restriction: DO NOT exceed 258 fl oz of Secure (8.4 pounds active ingredient) per acre per year.
9. Restriction: DO NOT apply more than twelve (12) applications at 21.5 fl oz per acre (0.5 fl oz/1000 sq ft) per year.

SECURE USE RATE			
Diseases Controlled Pathogen(s)	**Application Interval (days)**	**Rate fl oz product/ 1000 sq ft**	**Instructions for Use on Golf Course Tees, Greens, Fairways and Roughs**
Dollar Spot *Sclerotinia homeocarpa* *Lanzia* spp. *Moellerodiscus* spp.	14	0.5	Apply as a preventative disease program, starting when conditions become favorable for disease. For broad spectrum disease control or for control greater than 14 days, tank mix with the labeled rate of one of the following fungicides: Banner MAXX® Headway® Concert®
Leaf spot, Melting-out, Brown blight *Drechslera* spp. (including *D. poae, D. siccans*)	14	0.5	Apply when conditions become favorable for disease. For broad spectrum disease control tank mix with the labeled rate of one of the following fungicides: Banner MAXX Headway or Concert
Brown patch Large patch *Rhizoctonia solani*	14	0.5	Begin applications in May or June before disease is present for Brown patch. To control Large patch, apply in fall when temperature drops below 70°F. For broad spectrum control or for control greater than 14 days, tank mix with the labeled rate of one of the following fungicides: Banner MAXX Heritage® 50WG Heritage® TL Headway
Red Thread *Laetisaria fuciformis*	14	0.5	Apply when conditions become favorable for disease.
Anthracnose *Colletotrichum cereale*	14	0.5	Applications should be made prior to infection. Alternate or mix Secure with another fungicide for anthracnose disease prevention. Secure should be mixed with another fungicide such as: Daconil WeatherStik®, Daconil Ultrex®, Banner MAXX, Medallion®, Headway, Concert, Renown®, Instrata®
Gray Snow Mold *Typhula* spp. Pink Snow Mold *Microdochium nivale*	Late Fall	0.5	Apply one to two application in the late fall before snow cover. Restriction: Do not apply on top of the snow. For optimum disease control tank mix with the labeled rate of one of the following fungicides: Banner MAXX Heritage Headway Medallion Instrata

SECURE USE RATE			
Diseases Controlled Pathogen(s)	**Application Interval (days)**	**Rate fl oz product/ 1000 sq ft**	**Instructions for Use on Golf Course Tees, Greens, Fairways and Roughs**
Pink patch *Microdochium nivale*	14	0.5	Apply in the fall or early spring when conditions are favorable for disease development. For optimum disease control tank mix with the labeled rate of one of the following fungicides: Banner MAXX Heritage Headway Medallion Instrata
Stem rust *Puccinia graminis* var. *graminícola*	14	0.5	Apply on a preventative schedule when disease conditions are favorable (cool & cloudy weather).
Algal scum (filamentous blue-green algae/ cyanobacteria)	14	0.5	Secure should be tank-mixed with another fungicide such as: Daconil WeatherStik Daconil Ultrex Daconil Zn Concert Renown

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container, in a secured, cool, dry place separate from food and feed. Do not store near heat or open flame.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Non-refillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Daconil Ultrex®, Daconil WeatherStik®, Daconil Zn®, Concert®, Heritage, Heritage TL®, Headway®, Medallion®, Banner MAXX® Subdue MAXX®, Renown®, Instrata®, the ALLIANCE FRAME the SYNGENTA Logo and the PURPOSE ICON are Trademarks of a Syngenta Group Company

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For non-emergency (e.g., current product information)
call Syngenta Crop Protection at 1-800-334-9481

Manufactured for:
Syngenta Crop Protection, LLC
P. O. Box 18300
Greensboro, North Carolina 27419-8300

SCPPL 71512-20-L1C 0317
4080105

GROUP 29 FUNGICIDE

Secure®

For use to control diseases of turf grasses on golf courses only.

Active Ingredient:	
Fluazinam*	40.0%
Other Ingredients:	60.0%
Total:	100.0%

*3-chloro-N-[3-chloro-2,6-dinitro-4-trifluoromethyl)phenyl]-5-trifluoromethyl-2-pyridinamine (CA)

Contains 4.17 pounds fluazinam per gallon (500 grams per liter)

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 71512-20-100

EPA Est. 1022-TN-001

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Manufactured for:
Syngenta Crop Protection, LLC
P. O. Box 18300
Greensboro, North Carolina 27419-8300

SCPPL 71512-20-L1C 0317
4080105

(01) 0 07 02941 47148 1

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

PRECAUTIONARY STATEMENTS

Causes skin irritation. Harmful if absorbed through skin. Causes moderate eye irritation. Harmful if inhaled or swallowed. Do not get on skin or on clothing. Avoid contact with eyes. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use. Do not take internally.

If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow.

Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything to an unconscious person.

Environmental Hazards: This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

Storage and Disposal

DO NOT contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in original container, in a secured, cool, dry place separate from food and feed. Do not store near heat or open flame.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling: Non-refillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

2.5 gallons

Net Contents

syngenta®

Harrell's ProtectMAX®

GROUP 29 FUNCTIONAL

Fluazinam

FUNGICIDE

Active Ingredient:
Fluazinam: 3-chloro-N-[3-chloro-2,6-dinitro-4-trifluoromethyl)phenyl]-5-trifluoromethyl-2-pyridinamine (CA)..... 40.0%
Other Ingredients: 60.0%
Total: 100.0%
Contains 4.17 pounds fluazinam per gallon (500 grams per liter)

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para ques se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

SEE INSIDE LABEL BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

NET CONTENTS: 2.5 Gal. (9.46 L)

#HPMFLU 03/20

EPA REG. NO. 228-737-52287
EPA EST. NO. 228-IL-002
Distributed by: Harrell's, LLC, P.O. Box 807, Lakeland, FL 33802

Harrell's
Growing a Better World®
Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | (800) 282-8007 | Harrells.com

FIRST AID	
IF ON SKIN	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call poison control center or doctor for treatment advice.
IF INHALED	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage.	
HOT LINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use. Do not take internally.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Coveralls worn over long-sleeved shirt, long pants
- Chemical-resistant gloves made of any waterproof material (such as polyethylene or polyvinyl chloride).
- Protective eyewear
- Chemical resistant footwear and socks

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not allow contact of contaminated clothing with unprotected skin.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use closed systems, or enclosed cabs, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break down. Do not allow contact between contaminated sprayer parts and unprotected skin. Ensure sprayer is washed down daily.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

Physical Chemical Hazards

Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Failure to follow the use directions and precautions on this label may result in turf injury, poor disease control, and/or illegal residues. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Turf grasses on golf courses are not within the scope of the Worker Protection Standard.
Do not enter treated areas until sprays have dried.

PRODUCT INFORMATION

This product is a broad spectrum fungicide for use to control diseases of turf grasses on golf courses only.
This product may be applied with all types of spray equipment normally used for ground applications on golf courses.
Apply this product in sufficient water to obtain adequate uniform coverage of the turf. Apply in a minimum spray volume of 50 gal of water per acre.

USE RESTRICTIONS

- Do not apply this product to home lawns (turf) or any other residential turf
- Do not apply this product by aerial application
- Do not apply this product through any irrigation system
- Do not apply this product within 25 feet of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries)
- Do not apply this product within 100 feet of any water bodies that connect with any off-site water bodies such as a freshwater lake, pond, river, stream or wetland in the State of New York.
- Do not apply this product when the wind direction is toward aquatic areas to minimize drift to these areas.
- Do not exceed 258 fl. oz. of this product (8.4 lbs. active ingredient) per acre per year.
- Do not apply more than twelve (12) applications at 21.5 fl. oz. per acre (0.5 fl. oz./1000 sq. ft.) per year.

USE PRECAUTIONS

- Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions.
- Where states have more stringent regulations, they must be observed.

INTEGRATED PEST MANAGEMENT

This product is an excellent disease control agent when used according to label directions for control of a broad spectrum of listed plant diseases. This product is for use in programs which are compatible with the principles of Integrated Pest Management (IPM), which may include the use of disease resistant crop varieties, cultural practices, biological control agents, pest scouting and disease forecasting systems aimed at preventing economic pest damage and reducing unnecessary applications of pesticides. Practices known to reduce disease development should be followed. Consult your state cooperative extension service or local agricultural authorities for additional IPM strategies established in your area. This product may be used in State Agricultural Extension advisory (disease forecasting) programs that recommend application timing based on environmental factors which favor disease development.

RESISTANCE MANAGEMENT

Some plant pathogens are known to develop resistance to products used repeatedly for disease control. This product is effective for strategic use in fungicide disease management programs that attempt to minimize disease resistance to fungicides. This product has a multi-site mode of action that disrupts the energy production in the fungus. It is listed in FRAC code 29, as an uncoupler of oxidative phosphorylation. Some other fungicides, which are at risk from disease resistance, exhibit a single-site mode of fungicidal action. This product, with its multi-site mode of action, may be used to prevent or delay the development of resistance to single-site fungicides when used as a tank-mix partner or alternated in a disease management program.

This product has demonstrated excellent control of *Sclerotinia homeocarpa*, *Lanzia* and *Moellerodiscus* strains (causing Dollar Spot) that are insensitive to several classes of fungicides.

Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of this product in programs that seek to minimize the occurrence of disease resistance to other fungicides. This product is an excellent partner for those products that specify the use of a protectant or other fungicide that has a different mode of action.

PLANT TOLERANCE

NOTE TO USER: Although this product has been evaluated on several turf species with no indication of phytotoxicity, neither the manufacturer nor seller has determined whether or not THIS PRODUCT can be used safely on all turf species. The professional user should determine if this product can be used safely prior to commercial use by testing on the type of turf to be treated as recommended rates for phytotoxicity.

MIXING AND SPRAYING

This product can be used effectively in dilute sprays. Thorough, uniform coverage is essential for disease control.
NOTE: Slowly invert container several times to assure uniform mixture.
Prepare only the amount of spray mixture required for immediate use. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods in the spray tank. Spraying equipment should be thoroughly cleaned immediately after the application.

Product Alone: Fill the spray tank with half of the required amount of water with the agitator running, add this product to the spray tank. Continue agitation while adding the remainder of the water. Begin application of the solution after this product has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Tank Mixtures: It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. This product is physically compatible with many products recommended for control of diseases, liquid fertilizers, growth regulators, insecticides and biological control products. If tank mixes are desired, read and follow all directions, precautions, and limitations on labeling of all products used. This product must not be mixed with any product which prohibits such mixing. It is the applicator's responsibility to ensure that the companion product is EPA approved for use on the intended site. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

This product is generally compatible with the products mentioned above, provided sufficient free water is available for dispersion of all the tank mix products. However, the physical compatibility of this product with tank mix partners should be evaluated before use. A jar test should be conducted with the intended tank-mix products prior to preparation of large volumes. Use the following procedure:

Jar Compatibility Test:

1. Pour the recommended proportions of the products into a suitable container of water;
2. Mix thoroughly; and
3. Allow to stand for 5 minutes.

If the combination remains mixed or can be re-mixed readily, it is considered physically compatible. Any physical incompatibility in the jar test indicates that this product should not be used in the tank mix.

Consult compatibility charts or your local or state agricultural authorities for additional compatibility information.

To prepare spray solution:

- Add ½ of the required amount of water to the mix/sprayer tank
- Start the agitator running before adding any tank mix partners.
- Add the tank mix partners in the following order:
    - o Products packaged in water-soluble packaging;
    - o Wettable powders;
    - o Wettable granules (dry flowables);
    - o Liquid flowables (such as this product);
    - o Liquids; and
    - o Emulsifiable concentrates
- Always allow each tank mix partner to become fully dispersed before adding the next product.
- Provide sufficient agitation while adding the remainder of the water.
- Maintain agitation until all of the mixture has been applied.
- When using this product in tank mixtures, add all products in water-soluble packaging to the tank before any other tank mix partner, including this product.
- Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.
- Use a pump with capacity to maintain the correct rated pressure for the nozzles selected.
- Maintain sufficient agitation to keep mixture in suspension.
- Use a jet agitator, liquid sparge tube, or mechanical paddle for agitation.
- Use screens to prevent nozzles from clogging. Use 50-mesh or coarser screens placed after the tank and before the nozzles. Check nozzle manufacturer's recommendations.
- For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations.

TURFGRASS DISEASE CONTROL

1. Use this product in a Preventative Disease Control Program.
2. Apply in sufficient water to ensure thorough coverage.
3. Apply after mowing or allow sprayed area to completely dry before mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For optimum turf quality and disease control, use this product in conjunction with turf management practices that promote good plant health and optimum disease control.
6. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
7. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.

USE RATE			
Diseases Controlled Pathogen(s)	**Application Interval (days)**	**Rate fl. oz. product/1000 sq. ft.**	**Instructions for Use on Golf Course Tees, Greens, Fairways and Roughs**
Dollar Spot *Sclerotinia homeocarpa* *Lanzia* spp. *Moellerodiscus* spp.	14	0.5	Apply as a preventative disease program, starting when conditions become favorable for disease. For broad spectrum disease control or for control greater than 14 days, tank mix with the labeled rate of another fungicide labeled for control of this disease, such as Torque™, Tourney® or Strider™.
Leaf spot, Melting-out, Brown blight *Drechslera* spp. (*including D. poae, D. siccans*)	14	0.5	Apply when conditions become favorable for disease. For broad spectrum disease control tank mix with the labeled rate of another fungicide labeled for control of these diseases, such as Torque, Tourney, Affirm™ or Strider.

(continued)

USE RATE *(continued)*			
Diseases Controlled Pathogen(s)	**Application Interval (days)**	**Rate fl. oz. product/1000 sq. ft.**	**Instructions for Use on Golf Course Tees, Greens, Fairways and Roughs**
Brown patch Large patch *Rhizoctonia solani*	14	0.5	Begin applications in May or June before disease is present for Brown patch. To control Large patch, apply in fall when temperature drops below 70°F. For broad spectrum control or for control greater than 14 days, tank mix with the labeled rate of another fungicide labeled for control of these diseases, such as Torque, Tourney, Affirm or Strider.
Red Thread *Laetisaria fuciformis*	14	0.5	Apply when conditions become favorable for disease.
Anthracnose *Colletotrichim cereal*	14	0.5	Applications should be made prior to infection. Alternate or tank mix this product with another fungicide for anthracnose disease prevention. This product should be tank mixed with the labeled rate of another fungicide labeled for control of this disease, such as Torque, Tourney, Affirm or Strider.
Gray Snow Mold *Typhula* spp. Pink Snow Mold *Microdochium nivale*	Late Fall	0.5	Apply one to two applications in the late fall before snow cover. Do not apply on top of the snow. For optimum disease control, tank mix with the labeled rate of another fungicide labeled for control of these diseases, such as Torque, Tourney, Strider or 26/36®.
Pink patch *Microdochium nivale*	14	0.5	Apply in the fall or early spring when conditions are favorable for disease development. For optimum disease control, tank mix with the labeled rate of another fungicide labeled for control of this disease, such as Torque, Tourney, 26/36, 3336® or Strider.
Stem rust *Puccinia graminis var. graminicola*	14	0.5	Apply on a preventative schedule when disease conditions are favorable (cool and cloudy weather).
Algal scum (filamentous blue-green algae/cyanobacteria)	14	0.5	This product should be tank mixed with another fungicide labeled for control of this disease, such as Protect™ DF.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in original container, in a secured, cool, dry place separate from food and feed. Do not store near heat or open flame.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:
Nonrefillable container. DO NOT reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

RV040517

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Tourney is a registered trademark of Valent, USA Corporation
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FLUAZINAM | GROUP 29 | FUNGICIDE

ACIBENZOLAR-S-METHYL | GROUP P01 | FUNGICIDE

Secure® Action™

syngenta®

Fungicide

For use to control listed diseases of golf course turf

Active Ingredient:	
Fluazinam[1]	40.0%
Acibenzolar-S-methyl[2]	0.6%
Other Ingredients:	59.4%
Total:	100.0%

[1] CAS No. 79622-59-6
[2] CAS No. 135158-54-2

Secure Action is a suspension-concentrate formulation that contains 4.12 lb fluazinam and 0.06 lb acibenzolar-S-methyl per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION/ PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use in booklet.

Read entire label carefully and use only as directed.

EPA Reg. No. 100-1633
EPA Est. 086555-MO-001

SCP 1633A-L1A 0919

2 quarts (0.5 gallons)

Net Contents

syngenta®

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1.0 FIRST AID

FIRST AID	
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
HOT LINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**	

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

CAUTION/PRECAUCIÓN

Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved Shirt and Long Pants
- Socks and Shoes
- Chemical-resistant Gloves made of: Barrier Laminate, Butyl Rubber ≥14 mils, Neoprene Rubber ≥14 mils, Nitrile Rubber ≥14 mils, PolyVinyl Chloride (PVC) ≥14 mils, or Viton® ≥14 mils

2.2.1 USER SAFETY REQUIREMENTS

Do not allow contact of contaminated clothing with unprotected skin. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

2.2.2 ENGINEERING CONTROLS

When handlers use closed systems, or enclosed cabs, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, including a spill or equipment break-down. Do not allow contact between contaminated sprayer parts and unprotected skin. Ensure sprayer is washed down daily.

2.2.3 USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

2.3 Environmental Hazards

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

2.4 Physical or Chemical Hazards

Do not use with or store near any oxidizing agents as hazardous chemical reaction may occur.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN TURF INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Turf grasses on golf courses are not within the scope of the Worker Protection Standard.

Do not enter or allow others to enter the treated area until sprays have dried.

3.0 PRODUCT INFORMATION

Secure Action is a broad spectrum fungicide for use to control diseases of turf grasses on golf courses only. Secure Action is an excellent disease control agent when used according to label directions for control of a broad spectrum of turf diseases. Secure Action couples a contact fungicide with a systemic compound used for control and suppression of disease through induction of host plant resistance.

Secure Action exhibits a unique mode of action, beyond fluazinam alone, which mimics the natural Systemic Activated Resistance (SAR) response found in most plant species. This SAR response does not involve direct activity against the target pathogens. For best performance, follow these directions:

- Apply Secure Action to turf foliage early, before disease symptoms become severe, and ideally prior to disease development
- Secure Action, in addition to being a contact fungicide, moves systemically within the plant; however, uniform spray coverage is essential for best performance. Apply Secure Action by ground application in sufficient water to ensure uniform coverage. See instructions for specific directions.
- Secure Action mimics the SAR response in plants. Maximum disease control is normally obtained 4 days after a Secure Action application.

Secure Action provides added protection against certain diseases in turf. Secure Action provides added protection to reduce disease levels in curative applications.

3.1 Resistance Management

FLUAZINAM	**GROUP**	**29**	**FUNGICIDE**
ACIBENZOLAR-S-METHYL	**GROUP**	**P01**	**FUNGICIDE**

For resistance management, please note that Secure Action contains both a Group 29/[fluazinam] and Group P01/[acibenzolar-S-methyl] fungicide. Any fungal population may contain individuals naturally resistant to Secure Action and other Group 29 or Group P01 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

Secure Action exhibits two modes of action. With these two modes of activity, one having no direct activity on plant pathogens, the likelihood that resistance (insensitivity) will develop in the pathogens is low. Secure Action is effective for strategic use in fungicide disease management programs that attempt to minimize disease resistance to fungicides. Secure Action has a multi-site mode of action that disrupts the energy production in the fungus. It is listed in FRAC code 29, as an uncoupler of oxidative phosphorylation. Some other fungicides, which are at risk from disease resistance, exhibit a single-site mode of fungicidal action. Secure Action, with its multi-site mode of action, may be used to prevent or delay the development of resistance to single-site fungicides when used as a tank-mix partner or alternated in a disease management program.

Secure Action has demonstrated excellent control of *Sclerotinia homeocarpa* strains (causing Dollar Spot) that are resistant to several other classes of fungicides.

Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Secure Action in programs that seek to minimize the occurrence of disease resistance to other fungicides. Secure Action is an excellent partner for those products that specify the use of a protectant or other fungicide that has a different mode of action.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of Secure Action or other Group 29 or Group P1 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local Syngenta representative, retailer, or extension specialist for any additional pesticide resistance-management and/or IPM recommendations for specific plants and pathogens.
- For further information or to report suspected resistance contact Syngenta at 1-866-Syngent(a) (866-796-4368). You can also contact your pesticide distributor or university extension specialist to report resistance.

3.2 Integrated Pest Management (IPM)

Secure Action is recommended for use in programs that are compatible with the principles of Integrated Pest Management (IPM), including the use of disease-resistant turf varieties, cultural practices, biological-control agents, pest scouting and disease-forecasting systems aimed at preventing economic pest damage, and reducing unnecessary applications of pesticides. Follow practices known to reduce disease development. Consult your state cooperative extension service or local agricultural authorities for additional IPM strategies established in your area.

Secure Action may be used in State Agricultural Extension advisory (disease forecasting) programs that direct application timing based on environmental factors which favor disease development.

3.3 Plant Safety

Although Secure Action has been evaluated on several turf species with no indication of phytotoxicity, neither the manufacturer nor seller has determined whether or not Secure Action can be used safely on all turf species. Determine if Secure Action can be used safely prior to commercial use by testing for phytotoxicity on the type of turf to be treated.

4.0 APPLICATION DIRECTIONS

4.1 Methods of Application

Secure Action can be used effectively in dilute sprays.

4.2 Application Equipment

Secure Action may be applied with all types of spray equipment normally used for ground applications on golf courses.

4.3 Application Volume and Spray Coverage

Thorough, uniform coverage is essential for disease control.

Use a pump with capacity to maintain the correct rated pressure for the nozzles selected. Maintain sufficient agitation to keep mixture in suspension. Use a jet agitator, liquid sparge tube, or mechanical paddle for agitation.

Use screens to prevent nozzles from clogging. Use 50-mesh or coarser screens placed after the tank and before the nozzles. Check nozzle manufacturer's specifications. For more information on spray equipment and calibration, consult sprayer manufacturer's and state recommendations.

Apply Secure Action in sufficient water to obtain adequate uniform coverage of the turf. Apply in a minimum spray volume of 40 gal of water per acre on fairways and 90 gal of water per acre on tees and greens.

4.4 Mixing Directions

Slowly invert container several times to assure uniform mixture.

Prepare only the amount of spray mixture required for immediate use. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods in the spray tank. Thoroughly clean spraying equipment immediately after the application.

4.4.1 SECURE ACTION ALONE

Fill the spray tank with half of the required amount of water with the agitator running, add Secure Action to the spray tank. Continue agitation while adding the remainder of the water. Begin application of the solution after Secure Action has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

4.4.2 TANK-MIX COMPATIBILITY

Secure Action is physically compatible with many products used for control of diseases, liquid fertilizers, growth regulators, insecticides and biological control products. If tank mixes are desired, read and follow all directions, precautions, and limitations on labeling of all products used. This product must not be mixed with any product which prohibits such mixing. It is the applicator's responsibility to ensure that the companion product is EPA approved for use on the intended site. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

Secure Action is compatible with the products referenced on this label, provided sufficient free water is available for dispersion of all the tank mix products. However, evaluate the physical compatibility of Secure Action with tank mix partners before use.

Conduct a jar test with intended tank-mix products prior to preparation of large volumes. Use the following procedure:

- Pour the specified proportions of the products into a suitable container of water
- Mix thoroughly and allow to stand for 5 minutes.

If the combination remains mixed or can be re-mixed readily, it is considered physically compatible. Any physical incompatibility in the jar test indicates that Secure Action is not to be used in the tank-mix.

Consult compatibility charts or your local or state agricultural authorities for additional compatibility information.

4.4.3 SECURE ACTION IN TANK MIXTURES

To prepare spray solution, add 1/2 of the required amount of water to the mix/ sprayer tank. Start the agitator running before adding any tank mix partners. Add tank mix partners in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables (including Secure Action), liquids, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

When using Secure Action in tank mixtures, add all products in water-soluble packaging to the tank before any other tank mix partner, including Secure Action. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

5.0 RESTRICTIONS AND PRECAUTIONS

5.1 Use Restrictions

In the State of New York, **DO NOT** apply Secure Action within 100 feet of water bodies that are connected to other off-site surface waters.

- **DO NOT** apply Secure Action to home lawns (turf) or any other residential turf.
- **DO NOT** apply Secure Action by aerial application.
- **DO NOT** apply Secure Action through any irrigation system.
- **DO NOT** apply Secure Action within 25 feet of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries).
- **DO NOT** apply Secure Action when the wind direction is toward aquatic areas to minimize drift to these areas.

5.2 Optimum Disease Control

- Use Secure Action in a Preventative Disease Control Program.
- Apply in sufficient water to ensure thorough coverage.
- Apply after mowing or allow sprayed area to completely dry before mowing.
- For control of foliar diseases, allow sprayed area to completely dry before irrigation.
- For optimum turf quality and disease control, use Secure Action in conjunction with turf management practices that promote good plant health and optimum disease control.
- Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
- Before use of any fungicide, proper identification of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.

5.3 Spray Drift Management

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. Where states have more stringent regulations, they must be observed.

IMPORTANCE OF DROPLET SIZE

The most effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

BOOM-LESS GROUND APPLICATIONS

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

HANDHELD TECHNOLOGY APPLICATIONS

Take precautions to minimize spray drift.

6.0 USE DIRECTIONS (GOLF COURSE TEES, GREENS, FAIRWAYS, AND ROUGHS)

Turfgrass on **Golf Courses** only

See **Section 3.0**.

Disease / Pathogen Controlled	Use Rate (fl oz/1000 sq ft)	Application Interval (days)	Application Timing
Dollar Spot *Sclerotinia homeocarpa*	0.5	14-21	Apply as a preventative disease program, starting when conditions become favorable for disease. For broad spectrum disease control, tank mix with the labeled rate of one of the following fungicides: Velista® (penthiopyrad), Banner MAXX® II (propiconazole), Headway® (azoxystrobin, propiconazole), or Concert® (propiconazole, chlorothalonil).
Leaf Spot, Melting-out Brown Blight *Drechslera* species, including *D. poae, D. siccans Bipolaris* species, including *B. cynodontis*	0.5	14	Apply when conditions become favorable for disease. For broad spectrum disease control tank mix with the labeled rate of one of the following fungicides: Velista (penthiopyrad), Banner MAXX II (propiconazole), Headway (azoxystrobin, propiconazole), or Concert (propiconazole, chlorothalonil).
Brown Patch Large Patch *Rhizoctonia solani*	0.5	14	Begin applications in May or June before disease is present for Brown patch. To control Large patch, apply in fall when temperature drops below 70ºF. For broad spectrum control or for control greater than 14 days, tank mix with the labeled rate of one of the following fungicides: Velista (penthiopyrad), Banner MAXX II (propiconazole), Heritage® (azoxystrobin), Heritage Maxx (azoxystrobin), or Headway (azoxystrobin, propiconazole).
Red Thread *Laetisaria fuciformis*	0.5	14	Apply when conditions become favorable for disease.
Anthracnose *Colletotrichum cereale*	0.5	14	Apply prior to infection. Alternate or mix Secure Action with another fungicide for Anthracnose disease prevention including: Velista (penthiopyrad), Daconil® Action (chlorothalonil, acibenzolar-S-methyl), Daconil WeatherStik® (chlorothalonil), Daconil Ultrex® Turf Care® (chlorothalonil), Banner MAXX II (propiconazole), Medallion® (fludioxonil), Headway (azoxystrobin, propiconazole), Concert (propiconazole, chlorothalonil), Renown® (chlorothalonil, azoxystrobin), or Instrata® (chlorothalonil, propiconazole).
Gray Snow Mold *Typhula* species Pink Snow Mold *Microdochium nivale*	0.5	Late Fall	Apply one to two applications in the late fall before snow cover. **Restriction:** Do not apply on top of the snow. For optimum disease control tank mix with the labeled rate of one of the following fungicides: Banner MAXX II (propiconazole), Heritage (azoxystrobin), Headway (azoxystrobin, propiconazole), Medallion (fludioxonil), or Instrata (chlorothalonil, propiconazole).
Pink Patch *Microdochium nivale*	0.5	14	Apply in the fall or early spring when conditions are favorable for disease development. For optimum disease control tank mix with the labeled rate of one of the following fungicides: Banner MAXX II (propiconazole), Heritage (azoxystrobin), Headway (azoxystrobin, propiconazole), Medallion (fludioxonil), or Instrata (chlorothalonil, propiconazole).
Stem Rust *Puccinia graminis* var. *graminicola*	0.5	14	Apply on a preventative schedule when disease conditions are favorable (cool and cloudy weather).
Algal Scum (filamentous blue-green algae/cyanobacteria)	0.5	14	Tank mix Secure Action with another fungicide including: Daconil Action (chlorothalonil, acibenzolar-S-methyl), Daconil WeatherStik (chlorothalonil), Daconil Ultrex (chlorothalonil), Daconil Zn® (chlorothalonil), Concert (propiconazole, chlorothalonil), or Renown (chlorothalonil, azoxystrobin).
Suppression of Bacterial Wilt *Acidovorax* species *Xanthomonas* species	0.5	14	For suppression of bacterial wilt on bent and Poa greens apply Secure Action in a seasonal program with Daconil Action (chlorothalonil, acibenzolar-S-methyl) or Heritage Action (azoxystrobin, acibenzolar-S-methyl).

USE RESTRICTIONS

1) **Maximum Single Application Rate:** 21.5 fl oz of product per acre (0.5 fl oz of product per 1,000 square feet).
2) **Maximum Annual Rate:** 258 fl oz/A/year (12 applications per year at 21.5 fl oz of product per acre per application).
   a. Do not apply more than 8.3 lb ai/A/year of fluazinam.
   b. Do not apply more than 0.12 lb ai/A/year of acibenzolar-S-methyl.

7.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in original container, in a secured, cool, dry place separate from food and feed. Do not store near heat or open flame.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Handling

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

8.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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For non-emergency (e.g., current product information)
call Syngenta Crop Protection at 1-800-334-9481

Manufactured for:
Syngenta Crop Protection, LLC
P. O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1633A-L1A 0919

SPECIMEN

Group 7 Fungicide

Xzemplar®

Fungicide

For disease control on turfgrass

Active Ingredient:	
fluxapyroxad*: 1*H*-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-	26.55%
Other Ingredients:	73.45%
Total:	100.00%

* Equivalent to 2.47 pounds of active ingredient per gallon

EPA Reg. No. 7969-349

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See inside for **First Aid**, **Precautionary Statements**, **Directions For Use**, **Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

BASF

We create chemistry

Harrell's ProtectMAX™ Tebuconazole

GROUP 3 FUNGICIDE

TURF & ORNAMENTAL FUNGICIDE

For control of listed diseases on ornamentals and golf courses.

ACTIVE INGREDIENT:

Tebuconazole; α-[2-(4-chlorophenyl)ethyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	38.7%
OTHER INGREDIENTS:	61.3%
TOTAL:	100.0%

Contains 3.6 pounds Tebuconazole per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

EPA REG. NO. 1001-87-52287

EPA Est. No. Indicated by the first two letters of the batch number on this package (VL) 70815-GA-001, (AL) 228-IL-002

NET CONTENTS: 2.5 Gal. (9.46 L)

#HPMTEB 07/19

Distributed by: Harrell's, LLC, P.O. Box 807, Lakeland, FL 33802

Harrell's Growing a Better World®

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FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
Note to Physician: No specific antidote. Treat symptomatically. The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergency Medical Assistance, call the National Pesticide Information Center 1-800-858-7378.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes, and clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or Viton
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory: Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

Surface Water Advisory: This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Turf and Landscape Uses: Keep children and pets out of treated areas until sprays have dried.

PRODUCT INFORMATION

Read the entire Directions for Use and Conditions of Sale before using this product.

Chemigation: Do not apply this product through any type of irrigation system.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES

- Do not apply within 100 feet of aquatic areas listed above.
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetation filter strip.
- See Spray Drift Management section for further information.

Spray Drift Management

Make ground application when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperatures.

Do not make ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Spray Volume: For best results this product may be applied in 66-132 gallons of water per acre for turf using ground based equipment. For ornamentals, 50-300 gallons of finished spray per acre are recommended depending upon equipment, plant species and plant growth stage at time of application. For the most effective results, equipment calibration should be checked regularly. When using lower spray volumes, be sure to maintain uniform application and full crop coverage so as to ensure effective control. Increase spray volume to ensure proper application, if required.

Compatibility Test for Mix Components:

Before mixing components, always perform a compatibility jar test. For 66 gallons per acre spray volume, use 5 cups of water in a clear, clean mixing jar. For other spray volumes adjust accordingly. Only use water from the intended source at the source temperature. Add components in the sequence indicated below in Mixing Order using 3 teaspoons for each pound of dry product or 1 1/2 teaspoon for each pint of liquid product of recommended label rate per acre. Always cap the jar and invert 10 cycles between component additions. When the components have all been added to the jar and fully mixed, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent and use the compatibility agent as directed on its label.

Mixing: Continuous agitation is required during mixing. When mixing this product and water, use the specified application rates as listed for each crop on this label. Before combining any other substances with the mixture, ensure that this product is completely dispersed in the mixture.

Mixing Procedure:

1. Water. Add three-quarters of the required volume to a thoroughly clean sprayer tank.
2. Agitation. Start agitation and maintain constant agitation throughout mixing and application.
3. Inductor. If an inductor is used, rinse it thoroughly after each component has been added.
4. Products in PVA Bags. Place any product contained in water soluble PVA bags into the mixing tank. Wait until all water soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
5. Water Dispersible Products. Including dry flowables (DF), wettable powders (WP), suspension concentrates (SC) or suspo-emulsions (SE).
6. Water-soluble products.
7. Emulsifiable concentrates (such as oil concentrates when applicable).
8. Water soluble additives (such as AMS or UAN when applicable).
9. Remaining quantity of water.

Resistance Management Information

The active ingredient in this product is a member of the DMI (Demethylation Inhibitor) fungicide group (FRAC grouping 3) and can exhibit cross-resistance to products with the same mode of action when used repeatedly in the same location or in successive years as the primary method of control for targeted diseases. Because the speed and scope of resistant population development can not be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include the rotation and/or tank mixing with products utilizing different modes of action or limiting the number of applications per season. Contact your local university or extension specialist and/or manufacturer for fungicide resistance management recommendations.

DISEASE CONTROL IN GOLF COURSE TURF

TURF USE RESTRICTIONS AND PRECAUTIONS

For use on golf course turf only.

Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields, athletic fields located on or next to schools (i.e., elementary, middle and high school), campgrounds, churches, and theme parks.

Not for homeowner use.

Not for use on turf being grown for sale or commercial use as sod.

Do not use clippings for animal feed.

Do not exceed 3.6 fl. oz. of this product per 1,000 sq ft per year.

Do not apply more than 6 applications per year.

In the State of New York, do not exceed 1.8 fl. oz. of this product per 1,000 sq ft (2.2 lb a.i./A) per year.

Application Information

For use on all Golf turf applications of cool season and warm season grasses (such as Bentgrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustine grasses, and Zoysia) or their mixtures. This product is not phytotoxic to any of the above mentioned grasses when used in accordance with the label.

Note: Bermudagrass can be sensitive to this product under certain conditions. Do not apply consecutive applications during or just after dormancy break.

Note: For all grasses, avoid consecutive applications of this product or other DMI containing fungicides when temperatures are expected to exceed 85 degrees F.

This product can be used for the prevention and control of the diseases mentioned in table below. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Preventative treatments can be applied using 21 day intervals as indicated. When treating golf greens, always treat aprons and approaches. Spray uniformly over the area to be treated with properly calibrated equipment.

Apply the specified amount of this product in sufficient water for thorough coverage. Use a volume of 66 – 132 gallons per acre (1.5 – 3.0 gallons per 1,000 sq ft). Apply using properly calibrated low volume, hand held, mechanical or motorized ground broadcast equipment. Application to small areas may be made with low-pressure handwand or backpack equipment. Maintain constant agitation during application.

Depending on the disease, water this product into the crown and active root zone for best results. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. For best results use spray mixture the same day it is prepared.

Golf Course Turf Disease Control

DISEASE	RATE of this product (fl. oz./1000 Sq Ft)	NOTES and RESTRICTIONS
Dollar Spot (*Sclerotinia homoeocarpa*) Copper Spot (*Gloeocercospora sorghi*) Powdery Mildew (*Erysiphe graminis*) Corticium Red Thread (*Laetisaria fuciformis*) Rusts (*Puccinia* spp.) Red Thread (*Laetisaria fuciformis*) Pink Patch (*Limonomyces rosipellis*)	0.6 - 1.1	For prevention, begin applications when conditions are favorable for disease development using the low to medium rate. For curative treatments, use the medium to high rate. This product can be tank mixed with Legend™ or Spectro® at labeled rates. Do not make two consecutive applications of this product or other DMI containing fungicides. Alternate with another fungicide with a different mode of action. A second application may be made after 21 days.
Brown Ring Patch (*Waitea circinata*)	0.6 - 1.1	For prevention, begin applications when conditions are favorable for disease development. Make two applications using the low to medium rate tank mixed with Affirm® at labeled rates. Repeat application at 21 day interval.
Brown Patch/Rhizoctonia Blight, Large Patch (*Rhizoctonia solani*) Anthracnose Basal and Foliar (*Colletotrichum cereale*)	0.6 - 1.1	For prevention, begin applications when conditions are favorable for disease development using the low to medium rate. For curative treatments, use the medium to high rate. This product can be tank mixed with Legend™, Spectro®, 3336® or Affirm® at labeled rates. Do not make two consecutive applications of this product or other DMI containing fungicides. Alternate with another fungicide with a different mode of action. A second application may be made after 21 days.

(continued)

Golf Course Turf Disease Control *(continued)*

DISEASE	RATE of this product (fl. oz./1000 Sq Ft)	NOTES and RESTRICTIONS
Bermudagrass decline (*Gaeumannomyces graminis* var. *graminis*)	0.6 - 1.1	For prevention, begin applications two or four weeks prior to the historical appearance of disease symptoms. Make two applications at the low to medium rate, 21 days apart or one application at the high rate. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of the root zone. Alternate with another fungicide with a different mode of action as needed. Initiate cultural control practices at the same time the fungicide is applied. Refer to your local County Extension Service for this information.
Take All Patch (*Gaeumannomyces graminis* var. *avenae*)	0.6 - 1.1	For prevention, make two applications at low rate, 21 days apart or one application at high rate in the fall when root zone soil temperatures reach 75° F and again in the spring at 55-60° F root zone soil temperatures. Applications in both fall and spring may be necessary. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Gray Leaf Spot (*Pyricularia grisea*)	0.6 - 1.1	For prevention, begin applications when conditions are favorable for disease development (July-Aug) using the low to medium rate. For curative treatments, use the medium to high rate and tank mix with Legend or Spectro at labeled rates. Do not make two consecutive applications of this product or other DMI containing fungicides. Alternate with another fungicide with a different mode of action, such as 3336. A second application may be made after 21 days.
Stripe Smut (*Ustilago striiformis*)	0.6 - 1.1	Make a single application to historical disease areas in spring as grass growth begins. For curative treatments, use the medium to high rate.
Spring Dead Spot (*Leptosphaeria korrea, L. narmari, Ophiosphaerella herpotricha, Gaeumannomyces graminis*) Necrotic Ring Spot (*Leptosphaeria korrea*)	0.6 - 1.1	For prevention, make two applications at the low to medium rate, 21 days apart or one application at the high rate in the fall when root zone soil temperatures reach 75° F. This product can be combined with 3336 at labeled rates. A spring application may be necessary in areas where disease pressure is known to be heavy. Apply using low to medium rate when root zone soil temperature reaches 55-60° F. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Fusarium Patch (*Fusarium roseum*)	0.6 - 1.1	Apply first application in mid-June or 2-4 weeks prior to time this blight normally becomes evident. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone. Alternate with another fungicide with a different mode of action, such as 3336®. A second application may be made after 21 days.
Summer Patch (*Magnaporthe poae*)	0.6 - 1.1	For prevention, Apply in the spring when root zone soil temperatures reach 55-60° F. Do not make two consecutive applications of this product or other DMI containing fungicides. Alternate with another fungicide with a different mode of action, such as 3336®. Make additional applications at 21 day intervals. See local university recommendations for additional information. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone.
Zoysia Patch, Large Patch of zoysia (*Rhizoctonia solani*)	0.6 - 1.1	Make first application in early fall (mid-September to mid-October) prior to development of disease symptoms. Alternate with another fungicide with a different mode of action, such as Affirm®. Second and third applications may be made at 21day intervals. See local university recommendations for additional information. An additional application in early spring may be necessary in areas where disease pressure is known to be heavy.

(continued)

Golf Course Turf Disease Control *(continued)*

DISEASE	RATE of this product (fl. oz./1000 Sq Ft)	NOTES and RESTRICTIONS
Gray Snow Mold/ Typhula Blight (*Typhula incarnate*) Pink Snow Mold/ Microdochium Patch (*Microdochium nivalis*)	0.6 - 1.1	Apply in the fall, before anticipated turf dormancy and before first snow cover. If turf breaks dormancy during winter months a second application may be made. Do not apply over snow cover, or when turf is dormant. It is recommended that this product be tank-mixed with other registered snow mold products, such as 26/36®, 3336®, Affirm®, Spectro™ or Legend™, for best season long results.
Fairy Ring *Chlorophyllum (Lepiota), Lycoperdon, Marasmius*	0.6 - 1.1	For prevention in Cool season turf, make two applications at the low-medium rate in the spring when root zone soil temperatures reach 55-60° F. Make a second application using a 21 day interval. Immediately after fungicide is applied, irrigate the area with sufficient water to move the active ingredient down into the crown and active root zone of the turf. The amount of water is dependent on the depth of the root zone. Do not use a wetting agent unless hydrophobic soil conditions exist. For curative treatment, use the medium to high rate. For Warm season turf breaking dormancy. Do not make two consecutive applications of this product or other DMI containing fungicides. Alternate with another fungicide with a different mode of action, such as Affirm®, Heritage or Prostar. For hydrophobic areas, Use an appropriate wetting agent to effectively penetrate the hydrophobic zone commonly created with this disease.

NOTE: Apply the specified amount of this product in 1.0 to 3.0 gallons of water per 1000 sq. ft. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. Do not use clippings for animal feed. Do not exceed 3.6 fl. oz. of this product per 1000 sq. ft. per year. Do not exceed 6 applications per year.

DISEASE CONTROL IN FIELD, NURSERY AND CONTAINER ORNAMENTALS AND COMMERCIAL and RESIDENTIAL LANDSCAPES

ORNAMENTAL USE RESTRICTIONS AND PRECAUTIONS

For use on ornamental plants only; not for woodlands or forest management.
Not for homeowner use.
Do not apply more than 10 fl. oz. per acre in a single application.
Do not apply more than 0.31 gallons (40 fl. oz.) of this product (equal to 1.13 lbs. of Tebuconazole) per acre per year.
Do not make more than 4 applications per year at highest rate.
Do not apply to bearing fruit trees or vegetables

Application Information

This product can be used in a preventative and curative disease control program for the listed plant types and disease in the table below. Optimum disease management is obtained when this product is used in conjunction with sound disease management practices.

Apply material with properly calibrated hand held, mechanical or motorized spray equipment. Begin applications when disease first appears and repeat at 14-21 day intervals during the growing season. Use the shortest interval when conditions are unusually favorable for the development of disease. For hand held, mechanical, or motorized applications, mix as directed below and apply as a full coverage spray to drip for the prevention and control of the diseases listed below. Choose a finished spray volume appropriate for the size of the plants and amount of foliage, which will provide thorough coverage throughout the canopy. Allow sprays to dry before overhead irrigation is applied.

Apply this product at rates of 4-10 fl oz per acre in 100 gallons of water. Spray volume may range from 50 up to 300 gallons of finished spray per acre depending upon equipment, plant species and plant growth stage at time of application.

Note: The “Directions for Use” of this product reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied to any plant type not shown on this label but found in a similar use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. This product is not recommended for use on African Violets, Begonias, Boston Fern, and Geraniums.

Ornamentals Disease Control

PLANTS	DISEASE	APPLICATION	
		To Prevent Diseases	To Treat Existing Disease
Roses	Black Spot Powdery Mildew Rust	Apply every 14-21 days during the growing season, starting when leaves first appear.	Apply every 14 days for a total of 3 applications beginning at the first sign of disease.
Flowers	Leaf Spot Powdery Mildew Rust Southern Blight	Apply at least 3 times per year, 14-21 days apart, beginning with Spring bud break. Rotation or Tank mixing with barrier protectant fungicides is recommended for resistance management.	
Crabapples (Ornamental), Dogwoods and Other Landscape (Ornamental) Trees	Anthracnose Leaf Spot Powdery Mildew Rust Scab		
Azaleas, Camellias, Rhododendrons and Other Landscape (Ornamental) Shrubs	Anthracnose Black Spot Leaf Spot Petal Blight Powdery Mildew Rust Southern Blight	Petal Blight – Apply 2 – 3 times per week into the flowers as they open and develop color.	
Ground Covers and Vines			

HOW MUCH TO USE FOR SMALL PLANTINGS:
ADD 1 TEASPOON TO 2.5 GALLONS OF WATER.

Pump Style Sprayers

1. Add the appropriate amounts of concentrate and water to the sprayer tank.
2. Close the sprayer, shake well and pressurize.
3. Adjust nozzle to a coarse spray pattern and apply.
4. Occasionally re-pressurize the sprayer if needed to maintain a good spray pattern.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross-contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is applied for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact CHEMTREC for decontamination procedures or any other assistance that may be necessary. The number is 1-800-424-9300.

Pesticide Disposal: Pesticide spray mixture or rinsate that can not be used or chemically reprocessed should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes can not be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **Container Disposal: Non refillable container.** Do not use or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and collect the rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Offer for recycling, if available. If not recycled, then puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

Harrell's ProtectMAX™ is a trademark and Growing a Better World® is a registered trademark of Harrell's LLC. RV111513

PENTHIOPYRAD	GROUP 7	FUNGICIDE

Velista®

Fungicide

A water-dispersible granular fungicide for turf disease control on golf courses, residential, institutional, commercial and municipal lawns, park and recreation areas, and sod farms.

Active Ingredient:	
Penthiopyrad*	50.0%
Other Ingredients:	50.0%
Total:	100.0%

*CAS No: 183675-82-3

Velista® is a water-dispersible granule containing 0.5 pounds of penthiopyrad per pound of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1534
EPA Est. 67545-AZ-1

Product of Japan

SCP 1534A-L1B 0424

22 ounces

Net Weight
Non-refillable container

syngenta®

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or a doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. May be harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Mixers/loaders/applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants
- Shoes plus socks

User Safety Requirements

Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROL STATEMENTS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff several weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of this chemical from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Directions for Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Read entire label before using this product.

Velista must be used only in accordance with specifications on this label. Syngenta will not be responsible for losses or damages resulting from the use of this product in any manner not specifically recommended by Syngenta. User assumes all risks associated with such non- specified use.

Do not formulate this product into other end-use products without written permission of Syngenta.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard (WPS) for agricultural pesticides, 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses.

Applications to golf courses, residential, industrial, institutional and commercial lawns/landscape areas and sports fields are not within the scope of the Worker Protection Standard.

For applications to turfgrass, do not enter or allow others to enter the treated area until treatments have dried.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms (sod farms included), forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE), and restricted-entry interval, and notification to workers (as applicable). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Shoes and socks
- Chemical resistant gloves (made of any waterproof material)

PRODUCT INFORMATION

Velista is a water dispersible granule applied as a foliar or broadcast treatment to control listed diseases on turf use sites specified on this label.

Velista may be used on turfgrasses of home lawns, residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, golf courses (tee box areas, roughs, fairways, greens, collars), athletic fields and commercial sod farms.

The active ingredient in Velista is penthiopyrad and it is a carboxamide fungicide. Penthiopyrad inhibits fungal respiration by binding to mitochondrial respiratory complex II. Penthiopyrad is not cross-resistant with other classes of fungicide chemistry, like triazoles and other ergosterol biosynthesis inhibitors, strobilurins and other complex III (QoI) inhibitors, anilinopyrimidines, dicarboximides, benzimidazoles and N-phenylcarbamates.

Velista is in GROUP 7 of the EPA's Fungicide groups based on Target Site of Action and may be used in rotational and mixture resistance management programs. Velista must be diluted with water before application according to the following use directions.

Not all turf varieties, cultivars, or hybrids, have been individually tested for plant safety. It is not possible to evaluate for plant safety all applications of Velista on all turf varieties, cultivars, or under all environmental conditions and growing circumstances. To test for turf safety, apply the product in accordance with the label instructions to a small area of the target turf to ensure that a phytotoxic response will not occur, especially where the application is a new use of the product by the applicator.

APPLICATION TIMING

Velista is a broad spectrum fungicide recommended for the control of many important listed diseases. Apply Velista preventatively. Begin applications when conditions favor disease development. Apply curatively according to the instructions in Table 2.

MIXING DIRECTIONS

Apply Velista alone or in tank mixes with other registered fungicides. Do not exceed the recommended application rates for Velista and/or the tank mix partners given in the label(s). Follow the use directions provided in the Resistance Management section of this label. Follow all use directions given in this label. Failure to follow the use directions can result in injury to the plant and/or inadequate disease control.

Basic Mixing Instructions

Important: Application equipment must be clean and free of previous pesticide deposits before mixing Velista.

1. Use clean, well maintained application equipment.
2. Fill sprayer tank 1/4 to 1/2 full of water.
3. Start agitation, then add Velista directly to the mixing or sprayer tank. Use mechanical or hydraulic agitation.
4. Mix thoroughly to fully disperse the Velista and continue filling the tank with water while agitating to keep the product in suspension.
5. It is recommended that the treatment mixture not be stored in the mixing or spray tank overnight. If treatment mixture sits in the tank for extended periods, re-agitate prior to application.

Tank-mixtures

Velista may be tank-mixed with other pesticides and/or spray additives. When tank-mixing Velista with other pesticides, observe all precautions and limitations on each separate product label. No label application rates may be exceeded. Velista cannot be mixed with any product containing a label prohibition against such mixing. The physical compatibility of Velista may vary with different sources of pesticide products and local cultural practices. Any tank-mixture that has not been previously tested should be prepared on a small scale (pint or quart jar) using the proper proportions of pesticides and water to ensure the physical compatibility of the mixture and for potential phytotoxicity on turf.

Tank-mixing Sequence

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water soluble bags
2. Velista and other water dispersible granules
3. Wettable powders
4. Water-based suspension concentrates
5. Water soluble concentrates
6. Oil-based suspension concentrates
7. Emulsifiable concentrates
8. Adjuvants, surfactants, oils
9. Soluble fertilizers
10. Drift retardants

APPLICATION EQUIPMENT CLEANING

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that might become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

INTEGRATED PEST MANAGEMENT

Syngenta recommends the use of Integrated Pest Management (IPM) programs to control diseases. Velista may be used as part of an Integrated Disease and Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at reducing potential disease incidence. Follow cultural practices known to reduce disease development. Application of this product should be based on IPM principles and practices including but not limited to field scouting or other detection methods, correct target disease identification, population monitoring, advisory (disease forecasting) programs that recommend treatment timing based on environmental factors favorable for disease development, and treating when disease pressure reaches locally determined action levels. Consult your State Cooperative Extension Service, professional consultants, or other qualified authorities to determine the appropriate management, cultural practice and treatment threshold levels for the specific crop, geography and diseases.

PENTHIOPYRAD	GROUP 7	FUNGICIDE

RESISTANCE MANAGEMENT

Repeated use of fungicides with the same mode of action for control of specific plant pathogens may lead to selection of resistant strains of fungi and result in a reduction of disease control. Penthiopyrad, the active ingredient in Velista, is one of EPA's Target Site of Action Group 7 fungicides (carboxamides). A disease management program that includes rotation and/or tank mixing with non-Group 7 fungicides is essential to reduce the risk of fungicide resistance development. Do not make more than two successive applications of Velista; these two applications should be followed by applications of fungicides from a different FRAC mode of action group. For mixture applications use the recommended rate of Velista mixed with a labeled rate of a fungicide from a different FRAC mode of action group. For guidance on a particular disease control situation, consult your Cooperative Extension specialist for the latest information on resistance management in your area.

USE RESTRICTIONS

- Do not apply this product in commercial nurseries and greenhouses.
- Do not apply this product through any type of irrigation system.
- Do not apply more than 2.2 oz of Velista per 1,000 sq ft per year or 6 lb of Velista (equivalent to 3 lb of active ingredient) per acre per year.
- Keep people and pets away from areas treated with Velista until treated area has dried.
- Do not apply this product using aerial application.

DIRECTIONS FOR USE - TURFGRASS

- Apply in sufficient water to ensure thorough coverage. Apply the recommended rates as indicated in Table 1 in up to 10 gallons of water per 1,000 sq ft. Apply with a properly calibrated sprayer.
- Apply after mowing OR allow treated area to dry before mowing.
- Allow treated area to dry before irrigation.
- Evaluate spray additives prior to use for phytotoxicity or antagonism. Label directions are based on data obtained with no additives.
- Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.

SPECIFIC USE RATES FOR TURFGRASS DISEASES

- Use the low rate of 0.3 oz/1,000 sq ft for preventative and for light to moderate disease situations and for use in tank mixtures.
- Use the high rate of 0.5 oz/1,000 sq ft for high disease pressure situations and for use in curative situations and for use in tank mixtures.
- Do not apply more than 0.7 oz of Velista per 1,000 sq ft per application (equivalent to 0.95 lb of active ingredient per acre per single application) to turf grass.
- Follow recommendations in the resistance management section above for instructions on how to use with successive applications (e.g., no more than 2 applications followed by a different mode of action fungicide) or for use in mixtures (e.g., 0.3 oz/1,000 sq ft of Velista and the recommended label rate of the mixture partner).
- For broader spectrum control, Velista can be tank mixed with other fungicides. Check compatibility before tank mixing. Observe all directions, precautions, and limitations on labeling of all products used in tank mixes.
- Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered. Do not combine Velista in the spray tank with pesticides, surfactants, or fertilizers, unless your prior use has shown the combination is physically compatible.

Table 1: APPLICATION DILUTION CHART FOR USE OF VELISTA IN TURFGRASS AREAS

Application Volume (Gallons Water per 1,000 Square Feet)	Application Rate (Ounces of Product per Acre)	Application Rate (Ounces of Product per 1,000 Square Feet)	Application Rate (Lb of AI per Acre)	Ounces of Velista diluted to these volumes of finished spray			
				1 gallon	5 gallons	10 gallons	100 gallons
1	13.1	0.3	0.41	0.3	1.5	3.0	30.0
	21.8	0.5	0.68	0.5	2.5	5.0	50.0
	30.5	0.7	0.95	0.7	3.5	7.0	70.0
2	13.1	0.3	0.41	0.15	0.75	1.5	15.0
	21.8	0.5	0.68	0.25	1.25	2.5	25.0
	30.5	0.7	0.95	0.35	1.75	3.5	35.0
3	13.1	0.3	0.41	0.1	0.5	1.0	10.0
	21.8	0.5	0.68	0.17	0.85	1.7	17.0
	30.5	0.7	0.95	0.23	1.15	2.3	23.0
4	13.1	0.3	0.41	0.075	0.375	0.75	7.5
	21.8	0.5	0.68	0.125	0.625	1.25	12.5
	30.5	0.7	0.95	0.175	0.875	1.75	17.5

- To convert from ounces to grams, multiply by 28.35
- 1 ounce = 28.35 grams
- Do not use household utensils to measure Velista

Table 2: SPECIFIC USE RATES FOR VELISTA TO CONTROL DISEASES OF TURFGRASS

Disease	Applications Sites	Ounces of Velista /1,000 sq ft	Application Interval (days)	Comments
Dollar Spot (*Sclerotinia homeocarpa*)	Golf course tees and greens	0.3 – 0.5	14	Begin application prior to or at the early stages of disease development. Use the high rate for high disease pressure and/or for curative situations. When using 0.3 oz/1,000 sq ft rate, apply as a tank mix using a different FRAC group fungicide approved for this use site and disease.
	Golf course fairways, All other turfgrass	0.3 – 0.5	14–21	
Brown Patch (*Rhizoctonia solani*)	Golf course tees and greens	0.3 – 0.5	14	Begin application at the early stages of disease development. Use high rate for high disease pressure or for curative situations.
	Golf course fairways, All other turfgrass	0.3 – 0.5	14–21	
Anthracnose (*Colletotrichum cereale, Colletotrichum graminicola*)	All turfgrass	0.3 – 0.5	14	Begin application at the early stages of disease development. Use high rate for high disease pressure or for curative situations.
Large Patch (*Rhizoctonia solani*)	All turfgrass	0.5 - 0.7	14–28	Make 1–2 applications in the fall as a preventative. Apply an early spring application if disease pressure is high.
Leaf spots (such as *Bipolaris* spp.)	All turfgrass	0.3 – 0.5	14	Begin application at the early stages of disease development. Use high rate for high disease pressure or for curative situations.
Leaf and Sheath Spot (*Rhizoctonia zeae*)	All turfgrass	0.3 - 0.5	14	Use as part of a preventive program in tank-mixture and/or rotation with Daconil® Action™, Heritage®, Heritage Action and Briskway® fungicides.
Brown Ring Patch (*Waitea circinata* var. *circinata*)	All turfgrass	0.5	14	Apply when conditions are favorable for disease development.

continued...

Table 2: SPECIFIC USE RATES FOR VELISTA TO CONTROL DISEASES OF TURFGRASS *(continued)*

Disease	Applications Sites	Ounces of Velista /1,000 sq ft	Application Interval (days)	Comments
Summer Patch (*Magnaporthe poae*)	All turfgrass	0.3 - 0.5	14-28	Apply when conditions are favorable for disease development. During periods of high disease pressure, tank mix with a fungicide that is registered for the control of summer patch such as Heritage or Heritage Action.
Fairy Ring (*Lycoperdo, Arachnion, Bovista, Vascellum,* and *Agrocybe* spp.)	All turfgrass	0.5-0.7	14-21	Apply Velista as a part of a preventive program. Add the recommended rate of a wetting agent. Fairy ring symptoms may take 2 to 3 weeks to disappear following curative applications and reapplication may be required in some cases. Rotate with Heritage, Heritage Action or Briskway fungicides.
Spring Dead Spot (*Ophiosphaerella* spp)	All turfgrass	0.7	28	Make 2 applications on a 28-day interval prior to winter dormancy.
Rapid Blight (*Labyrinthula terrestris*)	All turfgrass	0.5	14	Apply when conditions are favorable for disease development. Under heavy disease pressure tank mix Velista with a protectant fungicide such as Secure®.
Red Thread (*Laetisaria fuciformis*) Pink Patch (*Limonomyces roseipellis*)	All turfgrass	0.3 – 0.5	14	Apply when conditions are favorable for disease development.
Powdery Mildew (*Erysiphe graminis*) Rust (*Puccinia graminis*)	All turfgrass	0.3 – 0.5	14	Apply when conditions are favorable for disease development.
Gray Snow Mold (*Typhula* spp.)	All turfgrass	0.7	NA (Only 1 application)	When using 0.7 oz/ 1,000 sq ft rate, apply as a tank mix using a different FRAC group fungicide approved for this use site and disease.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE

Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

PESTICIDE DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

CONTAINER HANDLING

(less than or equal to 50 pounds)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Syngenta Crop Protection, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold Syngenta and Seller harmless for any claims relating to such factors.

Syngenta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or Syngenta, and (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall Syngenta be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

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For non-emergency (e.g., current product information),
call Syngenta Crop Protection at 1-866-796-4368

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1534A-L1B 0424

GROUP 2 11 FUNGICIDE

Interface® Stressgard®

A Fungicide for the enhancement of greener and more dense turfgrass and for the protection against stress and for the prevention and control of certain diseases of turfgrass.

ACTIVE INGREDIENT:	
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide)	23.10%*
Trifloxystrobin (CAS No. 141517-21-7)	1.44%*
OTHER INGREDIENTS:	75.46%
TOTAL:	100.00%

*Equivalent to 2.14 pounds Iprodione and 0.13 pounds Trifloxystrobin per gallon.

EPA Reg. No. 432-1505

KEEP OUT OF REACH OF CHILDREN

CAUTION

For MEDICAL And TRANSPORTATION Emergencies ONLY
Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-800-331-2867

See Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.



Net Contents
2.5 Gallons
81701245
61380734D 201130AV1

FIRST AID

If in eyes:	• Hold eyes open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical emergency for additional information call toll free 1-800-334-7577.

Note to Physician: If ingested, induce emesis or lavage stomach. Treat symptomatically.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, and neoprene rubber ≥ 14 mils. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear:
Long-sleeved shirt and long pants,
Chemical-resistant shoes plus socks,
and chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile or neoprene gloves.
In addition, mixers and loaders must wear a chemical-resistant apron. See engineering controls for additional requirements.

For high-pressure hand wand and backpack sprayer application, mixers, loaders and applicators must wear:
Double-layer clothes,
Chemical-resistant gloves,
Socks plus chemical resistant shoes, and
Dust/mist respirator

For other handling activities and in case of a spill or other emergency exposure, handlers must wear:
Coveralls over long-sleeved shirt and long pants,
Chemical-resistant gloves,
Chemical-resistant footwear, and
Chemical-resistant apron when cleaning equipment.
Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
Discard clothing or other materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.
Iprodione can contaminate surface water through ground spray applications. Under some conditions, it may also have a high potential for runoff into surface water after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

Ground Water Advisory:
Several trifloxystrobin degradates have properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

Do not apply this product in a way that will contact workers or other persons, either directly or indirectly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is coveralls, chemical resistant gloves, shoes plus socks, and dust/mist respirator.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to turfgrass uses (golf courses, landscape and institutional areas) of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

PRODUCT INFORMATION

In order to assure maximum crop tolerance and disease control, follow directions on this label and all the precautions and limitations of the package label.

PRODUCT USE RESTRICTIONS

Use of this product at residential sites is prohibited.

Except for use on golf courses, if applying this product adjacent to a water body such as a lake, reservoir, river, permanent stream, marsh or natural pond, estuary, or commercial fish pond, there must be at least a 25-foot vegetative buffer strip between the water body and the point of application.

For golf courses only, do not apply to turf cut higher than 1 inch on golf holes where water bodies are present.

Do not apply this product when the wind direction is toward aquatic areas.

Do not apply by aerial application.

Do not apply by chemigation.

APPLICATION INFORMATION

Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control. Do not make applications when conditions favor drift beyond the target application area. Avoid spraying when windy, high temperature, drought, low relative humidity, or temperature inversion conditions exist.

SPRAY MIXING AND COMPATIBILITY

In general, begin with clean spray equipment and add one-half of the required amount of water to the spray or mixing tank and start agitation. Add the required quantity of fungicide and the tank-mix partner if applicable to the water and complete filling with water to the required total volume. Follow the recommendations of your State Cooperative Extension Service for tank-mixing with other products. In general, follow the order beginning first with water soluble packaging (wait for it to completely dissolve), wettable powders and water-dispersible granular products, liquid flowables and suspension concentrates and emulsifiable concentrates last. Maintain agitation throughout spraying. Do not allow spray mixture to remain in the tank overnight, or for long periods during the day without agitation.

The crop safety of all potential tank-mixes with INTERFACE® StressGard™ including additives and other pesticides has not been tested on all crops. Follow more restrictive labeling of any tank mix partner. Do not tank mix with any product which contains a prohibition on tank mixing. Before applying any tank-mixture not specifically identified on this label, confirm safety to the target crop. INTERFACE StressGard is compatible with most commonly used fungicide, herbicide, insecticide, and foliar nutrient products. However, the physical compatibility of INTERFACE StressGard with all potential tank-mix partners has not been fully investigated. If tank mixing with other pesticides is desirable, conduct a jar test with the volumes and rates typically used in agricultural application. Using a small container of water, add the proportionate amounts of the products: wettable powders and water-dispersible granular products first, then liquid flowables and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 15 minutes. Look for signs of separation, globules, sludge, flakes, or other precipitates. Physical compatibility is indicated if the combination remains mixed or can be remixed readily.

RESISTANCE MANAGEMENT

The active ingredients in INTERFACE StressGard belong to the dicarboxamides (Group 2) and the QoI inhibitor class of strobilurins (Group 11). To maintain long term effectiveness of this fungicide follow the specific resistance management guidance listed on the label to delay the development of fungicide resistance.

1. Start spray programs early: Spray programs that begin before pathogens attack will help keep fungal populations low and reduce chances of resistance. Consult your local extension specialist, certified advisor and/or manufacturer representative for recommendations on when to begin spray programs.

2. Alternate products: Use spray programs that include alternation of products from different fungicide groups. Group numbers are listed in a box at the top right of product labels.

3. Use at least the minimum labeled rate and do not overstretch spray intervals: Use of rates below the minimum labeled rate will shorten the useful life of fungicides. Also, stretching application intervals too long may leave turfgrasses unprotected, further allowing opportunity for resistance development.

4. IPM: Integrate applications of fungicides into an overall disease and pest management program. Follow cultural practices known to reduce disease development. Consult your local extension specialist, certified advisor and/or manufacturer representative for additional IPM strategies established for your area. This product may be used in Agricultural Extension advisory (disease forecasting or risk assessment) programs, which recommend application timing based on environmental factors favorable for disease development.

TURF SPECIFIC USE DIRECTIONS

PLANT HEALTH

INTERFACE StressGard used at the prescribed labeled rates protects the turf against winter stress resulting in faster spring green up. When applied during the spring, summer, or fall, INTERFACE StressGard may result in healthier, denser, and greener turf and alleviates summer stress.

INTERFACE StressGard is a foliar applied fungicide, specified for turfgrass disease control on golf courses, sod farms, and institutional areas where fine turf is grown. When used in conjunction with good turf management practices, INTERFACE StressGard is effective in controlling the following diseases:

Spring, Summer And Fall Diseases: Dollar Spot, Brown Patch, Large Patch, Fusarium Blight and Necrotic Ring Spot*, Leaf Spot

and Melting Out, Microdochium Patch, Pink Patch, Rapid Blight, Corticum Red Thread, Curvularia Blight, Anthracnose (suppression) and Rust.

Winter Diseases: Snow Mold

Apply the specified rates as indicated in the table in 0.5 to 10 gallons of water per 1,000 sq ft. Do not drench. Do not allow the spray mixture to stand for longer than 12 hours as some breakdown of the product may occur. Maintain agitation during spray operations. Apply with a properly calibrated sprayer.

*Not registered for use in California to control this disease.

TURF

APPLICATION DIRECTIONS

Begin applications when conditions favor disease development or when the disease first appears unless otherwise noted.

DISEASE	INTERVAL OF APPLICATIONS	Fl oz of product / 1,000 sq ft
Dollar Spot **Brown Patch** (*Rhizoctonia solani*) **Leaf Spot and Melting Out** caused by *Bipolaris, Exserohilum, Dreschlera* and *Marielliotta* spp. (formerly grouped as Helminthosporium Leaf Spot diseases) **Rapid Blight** **Rust**	**Greens and Tees:** Repeat at 14 to 21 day interval as long as required. **Fairways and Other Turf Areas:** Repeat at 14 to 28 day intervals as long as required.	3 to 5 **NOTE:** On Fairways, for Dollar Spot Control use 2 to 4 fl oz/1,000 sq ft
Large Patch (*Rhizoctonia solani*)	Make first application in fall when conditions are favorable for disease development and there are no symptoms visible. Make repeat applications in spring as needed on a 14-21 day interval.	4
Fusarium Blight (*Fusarium* spp.) **Necrotic Ring Spot*** (*Ophiosphaerella korrae*)	Use only preventative foliar applications when conditions first become favorable for disease development. Make additional applications as necessary at 28 day intervals.	7
Microdochium Patch (*Microdochium nivale*) formerly called 'Fusarium Patch'	Repeat at 14 to 21 day intervals as long as required.	4 to 7
Gray Snow Mold (*Typhula* spp.) **Pink Snow Mold** (*Microdochium nivale*)	One application before lasting winter snow cover; a second application may be applied if there is an extended period of cold wet weather before lasting snow cover. Apply again in the spring after snow melt.	4 to 7
Corticum Red Thread (*Laetisaria fuciformis*) **Pink Patch** **Curvularia** (*Curvularia* sp.)	Use as a preventative every 14 days as long as required.	3 to 4 5 to 7
Anthracnose (suppression only) (*Colletotrichum cereale*)	Will provide suppression during periods of anthracnose pressure; mix INTERFACE StressGard with CHIPCO® SIGNATURE™ or other anthracnose control fungicide. Repeat at 14- day interval as long as required.	4 to 7

Do not exceed a total of 30 fl oz product/1,000 sq ft per year.

Do not make more than 6 applications per year.

Under severe conditions, use the higher rate and/or shorter interval of applications for all diseases. When disease pressure is light to moderate, use the lower rates and longer intervals.

Do not mow or irrigate treated areas until the foliage is completely dry, usually a 24-hour waiting period following treatment is preferred.

Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock or poultry.

*Not registered for use in California to control this disease.

TANK MIXTURES

ADDITIONAL DISEASE CONTROL

If turf is threatened by additional diseases, INTERFACE StressGard is compatible with most commonly used fungicides such as ProStar®, and Chipco Triton® FLO. If a tank mixture is used, follow label directions for the use of that product. When tank-mixing with other products, it is the responsibility of the end-user/applicator to insure that the tank-mix partner is registered in the state where the application is being made.

Do not exceed a total of 30 fl oz INTERFACE StressGard per 1,000 sq ft per year with a maximum of 6 applications.

Do not exceed the maximum labeled rate for any tank mix partner.

Summer Stress Complex/Summer Decline: For management of Summer Stress Complex/Summer Decline, apply Chipco Signature Fungicide at 4 to 8 oz of product per 1,000 sq ft with INTERFACE StressGard at 3 to 7 fl oz of product per 1,000 sq ft.

Pythium Blight: Pythium blight will be controlled by the tank mixing of CHIPCO Signature Fungicide or Banol® Fungicide with INTERFACE StressGard. If a tank mixture is used, follow label directions for the use of that product and apply at the rate labeled for control of the target disease organism.

Gray Snow Mold: Tank-mix Interface with a labeled rate of fungicide for the preventive control of Gray Snow Mold.
Application must be made in autumn before snow cover occurs. Apply with sufficient water to obtain adequate coverage (1 to 5 gallons of spray solution per 1,000 sq ft). Use the higher rate if the turf remains frozen prior to snow cover. For optimal control, reapply this treatment if a winter thaw and loss of snow cover occurs.
Not all products are registered in all states; please verify state registration of ProStar®, Chipco Triton® FLO, Chipco Signature Fungicide, and Banol Fungicide in your state before selling, distributing, or using.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE

Store in a cool, dry place.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance.

CONTAINER HANDLING

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

Bayer (reg'd), the Bayer Cross (reg'd), Chipco®, ProStar®, Chipco Triton®, INTERFACE®, and Stressgard® are registered trademarks of Bayer.

Produced for:
Bayer Environmental Science
A Division of Bayer CropScience LP
5000 CentreGreen Way, Suite 400
Cary, NC 27513

Bayer

GROUP 2 | 11 FUNGICIDE

PULL HERE TO OPEN

Interface® Stressgard®

A Fungicide for the enhancement of greener and more dense turfgrass and for the protection against stress and for the prevention and control of certain diseases of turfgrass.

ACTIVE INGREDIENT:

Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl) -2,4-dioxo-1-imidazolidinecarboxamide)	23.10%*
Trifloxystrobin (CAS No. 141517-21-7)	1.44%*
OTHER INGREDIENTS:	75.46%
TOTAL:	100.00%

*Equivalent to 2.14 pounds Iprodione and 0.13 pounds Trifloxystrobin per gallon.

EPA Reg. No. 432-1505

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-331-2867

FIRST AID

If in eyes:	• Hold eyes open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical emergency for additional information call toll free 1-800-334-7577.	
Note to Physician: If ingested, induce emesis or lavage stomach. Treat symptomatically.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Iprodione can contaminate surface water through ground spray applications. Under some conditions, it may also have a high potential for runoff into surface water after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

Ground Water Advisory:

Several trifloxystrobin degradates have properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE

Store in a cool, dry place.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or Hazardous Waste representative at the nearest EPA regional office for guidance.

CONTAINER HANDLING

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

This product contains a chemical known to the state of California to cause cancer.

Bayer (reg'd), the Bayer Cross (reg'd), INTERFACE®, and Stressgard® are registered trademarks of Bayer.

Net Contents

2.5 Gallons

81701245

61380734D 201130AV1

Produced for:
Bayer Environmental Science
A Division of Bayer CropScience LP
5000 CentreGreen Way, Suite 400
Cary, NC 27513

Bayer

(01)10785740155452

POTASSIUM PHOSPHITE	GROUP	P07	FUNGICIDE

Harrell's ProtectMAX®
Title Phyte®

SYSTEMIC FUNGICIDE

A FUNGICIDE FOR THE CONTROL OF DOWNY MILDEW, PHYTOPHTHORA, PYTHIUM AND VARIOUS OTHER DISEASES ON AGRICULTURAL AND GREENHOUSE CROPS, INDOOR AND OUTDOOR ORNAMENTALS, BEDDING PLANTS, TURF, FORESTRY APPLICATIONS AND DOMESTIC TREES, INCLUDING CONIFERS, PINES, OAKS AND POST-HARVEST TREATMENT OF POTATOES FOR PINK ROT AND LATE BLIGHT

Active Ingredient:

Mono- and di-Potassium Phosphite*..... 50.6%

Other Ingredients:..... 49.4%

Total:.....100.0%

*Contains 6.93 lbs./gallon of the active ingredient, Potassium Phosphite. Equivalent to 4.71 lbs. Phosphorous Acid/gallon.

Potassium in this product can be used to supplement a well-balanced fertilizer program

Fertilizer Grade: 0-0-30

Guaranteed Analysis

Soluble Potash (K_2O).....30.0%

Derived from: Potassium Phosphite

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html Information on the components of this product may be obtained by writing Harrell's, LLC at the address on this label. Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to turf/garden areas and sweep any product that lands on hard surfaces back onto the treated area.

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KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

See inside booklet and read entire label for additional precautionary statements.

For **MEDICAL** Emergencies Call 24 Hours a Day 1-800-282-8007

For **TRANSPORTATION** Emergencies Call 24 Hours a Day 1-800-424-9300

For **PRODUCT USE** Information call 1-800-282-8007 (8 am – 5 pm Eastern)

NET CONTENTS: ☐ 2.5 GALLONS (9.46 LITERS) ☐ 30 GALLONS (113.52 LITERS) ☐ 250 GALLONS (946 LITERS)

EPA REG. NO. 52287-25

EPA EST. NO. FIRST TWO LETTERS OF LOT CODE DESIGNATE PRODUCTION SITE: HA: 44956-AL-001, HC: 44956-CA-001, HM: 44956-MN-001

Manufactured for: Harrell's, LLC, P.O. Box 807, Lakeland, FL 33802

HPMTPF
3/22

Harrell's
Growing a Better World®

Harrell's, LLC
Post Office Box 807 | Lakeland, FL 33802 | (800) 282-8007 | Harrells.com

FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything to an unconscious person.
If on skin	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center, or doctor, or going for treatment. You may also call 1-800-282-8007 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

AGITATE WELL BEFORE USE

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard. 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, and nurseries, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is: coveralls over long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements of this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

GENERAL APPLICATION INSTRUCTIONS

Apply this product by various application methods, including foliar sprays, trunk injection, soil drench, soil incorporation, and bare root dip. For foliar sprays, apply with sufficient water for adequate coverage of foliage, according to crop and growth stage. To ensure good coverage, spray to wet.

1. MIXING INSTRUCTIONS
2. Fill the spray tank with 1/2 of the required volume of water.
3. Add this product slowly to the tank and agitate by hydraulic or mechanical means.
4. Continue to fill the tank with water to the desired volume while agitating.
5. Continue agitation when applying.

For 1-gallon (3.785 liters) containers: the contents will treat up to 34,848 sq. ft. at the maximum rate. For 2 1/2 gallons (9.463 liters) containers: the contents will treat up to 2 acres at the maximum rate. For 5 gallons (18.925 liters) containers: the contents will treat up to 4 acres at the maximum rate.

LOW VOLUME AND ULTRA-LOW VOLUME APPLICATIONS

Labeled rates are for use with conventional application equipment. For LV/ULV equipment, follow use directions for the per acre rate and adjust the amount of water to equipment needs. Always conduct a phytotoxicity test on a small area before applying to a large area in order to assess any potential risk to plants.

COMPATIBILITY

Mixing this product with certain surfactants, foliar fertilizers or other pesticides may cause crop injury. Harrell's ProtectMAX® Title Phyte Systemic Fungicide is a slightly acidic buffer solution. Avoid mixing with strongly acidic or alkaline materials. Do not tank mix without first testing the mixture's compatibility. Do not apply on a large scale without assessing its safety to the crop (phytotoxicity). It is not possible to test all material combinations and environmental tank mix combinations.

Test the compatibility of spray adjuvants (i.e. stickers, spreaders, wetting agents) with Harrell's ProtectMAX® Title Phyte Systemic Fungicide before use.

To determine the compatibility of this product with other materials, use a jar compatibility test. Add the appropriate amount of water to a clean container then add the correct proportions of each product. Mix thoroughly, then let stand for 3-5 minutes. If the mixture remains in solution or can be remixed readily, the products are considered compatible.

To determine if a mixture is phytotoxic, combine other materials with this product using the desired tank mix ratios. Apply to a small area of turf, foliage, and/or fruit and evaluate for 3 – 7 days for visual symptoms before applying to a large area.

CHEMIGATION

APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

This product may be applied using microjet, drip, solid set and center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

PREPARATION OF INJECTION EQUIPMENT: Clean chemical tank and injector system by removing scale, pesticide residues and other foreign matter. Flush with clean water.

APPLICATION INSTRUCTIONS: Fill tank with 1/2 -3/4 of targeted amount of water. Start agitation then add the required amount of this product, followed by the remaining amount of water. Set sprinkler system to deliver 0.1 to 0.3 inch of water/acre. Start sprinkler system and uniformly inject the solution of this product into the irrigation water line so as to deliver the targeted rate per acre. Inject the solution with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. For other questions about calibration, contact State Extension Service specialists, equipment manufacturers, your Harrell's representative, or other experts.

NOTE: For Microjet and Drip Irrigation Systems: Delay irrigation of the treated area for 24 to 48 hours after treatment. For Solid Set and Center Pivot Irrigation Systems: Delay irrigation of the treated area until after the foliage has completely dried. This will help prevent washing the chemical off of the foliage.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER AND DRIP IRRIGATION SYSTEMS

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in mix tank during mixing and application to maintain a uniform solution. Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution, or if distribution lines must be dismantled or drained. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of chemigation water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut down and adjust the system as needed.

Do not connect an irrigation system (including greenhouse system) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

RESISTANCE MANAGEMENT

For resistance management, Harrell's ProtectMAX® Title Phyte Systemic Fungicide contains a Group P07 fungicide/bactericide. Any fungal/bacterial population may contain individuals naturally resistant to this product and other Group P07 fungicides/bactericides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide/bactericide resistance, take one or more of the following steps:

- Rotate the use of Harrell's ProtectMAX® Title Phyte Systemic Fungicide or other Group P07 fungicides/bactericides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide/bactericide use that includes scouting, information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact your Harrell's representative or call Harrell's, LLC (800) 282-8007. You can also contact your pesticide distributor or university extension specialist to report resistance.

GENERAL INSTRUCTIONS FOR APPLICATIONS TO FOOD CROPS

This product is a fungicide used for control of Downy Mildew, Powdery Mildew, Erwinia amylovora, Pythium, Fusarium, Rhizoctonia and Phytophthora disease (such as purple blotch, late blight, blue mold, soft rot, root rot, brown rot, foot rot, crown/collar rot, canker, fruit/foliar rot, fire blight, heart rot, pink rot, pythium leak, red stele, leather rot, etc.) of agronomic crops. (See specific crop groupings for additional diseases.) This product may be applied up to the day of harvest.

Harrell's ProtectMAX® Title Phyte Systemic Fungicide can be applied to plants including:

Berry Crops: Blackberry (including bingberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Himalayaberry, hullberry, Lavacaberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenom- enalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these), Blueberry, Cane Berries, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Raspberry (black and red) and Strawberry.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest labeled rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/ acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/ acre. (3 to 8 liters in 1000 liters of water/ hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Brassica: Broccoli (all types), Brussels sprouts, Cabbage (all types), Cauliflower, Cavolo broccoli, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach and Rape greens.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	1 quart/100 gallons of water, 1/3 fluid ounce/gallon of water. (2.5 liters/1000 liters of water)	Apply as pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5-10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Cereal Grains, Forage and Fiber Crops: Alfalfa, Barley, Buckwheat, Canola, Clover (all types), Corn (all types), Cotton, Hay, Kudzu, Lespedeza, Lupin, Millet, Oats, Popcorn, Rice, Rye, Safflower, Sainfoin, Sorghum, Sunflower, Teosinte, Trefoil, Triticale, Vetch, Wheat and Wild rice.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Citrus Crops (Bearing and Non-Bearing) including Avocado: Avocado, Calamondin, Citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (all types), Pomelo, and Satsuma mandarin.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounce/gallon of water. (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew	Foliar or Aerial Application	1 to 3 quarts in a minimum of 100 gallons of water/acre. (5 to 7 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Cucurbit Crops: Chayote, Chinese wax gourd, Citron melon, Cucumber (all types), Gherkin, Gourd, Muskmelon, Pumpkin, Squash (summer and winter) and Watermelon.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Herbs and Spices Crops: Allspice, Angelica, Anise, Annatto, Balm, Basil, Borage, Burnet, Camomile, Caper buds, Caraway, Cardamom, Cassia bark and buds, Catnip, Celery seed, Chervil, Chive, Cinnamon, Clary, Clove, Cocoa, Coriander, Costmary, Cilantro, Cumin, Curry, Dill, Fennel, Fenugreek, Grains of paradise, Hops, Horehound, Hyssop, Juniper berry, Lavender, Lemongrass, Lovage, Mace, Marigold, Marjoram, Mint, Mustard, Nasturtium, Nutmeg, Parsley, Pennyroyal, Pepper, Poppy seed, Rosemary, Rue, Saffron, Sage, Savory, Sweet bay, Tansy, Tarragon, Thyme, Vanilla, Wintergreen, Woodruff and Wormwood.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/ hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Legume Vegetables Crops: Bean (all types), broad bean (fava bean), Chickpea (garbanzo bean), Guar, Jack bean, Lablab bean, Lentil, Pea (all types), Peanut, Pigeon pea, Soybean and Sword bean.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia† Early and Late Leaf Spot on Peanut† *(Cercospora arachidicola and Cercosporidium personatum)*	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Pome Fruits Crops (Bearing and Non-Bearing) including Papaya: Apple, Crabapple, Loquat, Mayhaw, Papaya, Pear, and Quince.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia† Fire Blight† *(Erwinia amylovora)*	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (5 to 7 liters in a minimum of 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 100 liters/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

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† Except California

Stone Fruit Crops including Olives: Apricot, Cherry, Nectarine, Olive, Peach, Plum, Plumcot and Prune.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Tree Nut Crops including Grapes and Vines: Almond, Beech nut, Palm, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Grapes (all types), Raisins, Hickory nut, Kiwi, Macadamia nut, Pecan, Pistachio and Walnut.

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounces/gallon of water (5 liters/1000 liters of water)	Apply as pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons/linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications. Repeat 2-4 times a year until control is reached.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 7 liters in a minimum of 1000 liters/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

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† Except California

Vegetable Crops Including Miscellaneous Food Crops: (Leafy, Root and Tuber) Amaranth (Chinese spinach, Tampala, etc.) Arracacha, Arugula, Arrowroot, Artichoke (all types), Asparagus, Beet (all types), Burdock, Canna, Cardoon, Carrot, Cassava, Celeriac, Celery, Chayote, Chervil (turnip-rooted), Chicory, Chilies, Chrysanthemum (edible), Chufa, Cinchoca, Coconut, Coffee, Corn (all types), Cress (all types), Dandelion, Dasheen, Dock, Eggplant, Endive, Fennel, Garlic, Ginger, Ginseng, Horseradish, Leren, Lettuce (all types), Okra, Onion, Orach, Parsley, Parsnip, Peppers (all types), Pineapple, Purslane, Potato (all types), Radicchio, Radish (all types), Rhubarb, Rutabaga, Salsify (all types), Skirret, Spinach (all types), Sugar Beet, Sugarcane, Sweet Potato, Swiss Chard, Tanier, Tobacco, Tomato, Turmeric, Turnip, Yam (all types).

Make applications prior to disease development in conjunction with good cultural management practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or heat or moisture stressed. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water / acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days.
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounce/gallon of water (5 liters/1000 liters of water)	Apply as pre-plant dip immediately prior to planting. (100 gallons is intended to treat the number of slips required to plant one acre).
	Irrigation	Overhead: 2-4 quarts in at least 100 gallons of water. (5 to 10 liters in at least 1000 liters of water) Drip: 2-3 quarts in at least 100 gallons of water. (5-7 liters in at least 1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar or Aerial Application	1 to 3 quarts in 100 gallons of water/acre. (3 to 8 liters in 1000 liters of water/hectare) 1 to 3 quarts in a minimum of 10 gallons of water/acre. (3 to 8 liters in a minimum of 1000 liters of water/hectare.)	Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

Vegetable Crops Including Miscellaneous Food Crops *(cont.)*

Disease	Application Method	Rate	Application Program
Treatment of potato vines for Pink Rot *(Phytophthora erythroseptica)* *Late Blight (Phytophthora infestans)*	Foliar or Aerial Application	3 to 5 quarts in 100 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters of water/hectare) 3 to 5 quarts in a minimum of 20 gallons of water/acre. (5 to 7 liters in a minimum of 100 liters of water/hectare.)	**Disease Prevention Program*:** Apply at 2-3 week intervals. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Post-harvest treatment of potatoes for Pink Rot† *(Phytophthora erythroseptica)* Late Blight† *(Phytophthora infestans)*	Spray, rinse or injected into humidification water prior to or during storage.	Dilute Harrell's ProtectMAX® Title Phyte Systemic Fungicide at 1:20 ratio with application water. (5.3-10.5 fluid ounces/ 0.5 gallon of water / ton of tubers). (100 to 200 milliliter/liter of water)	Inject concentrate into water used in humidification or process water used for post-harvest storage, rinses and associated tanks, flumes and lines.

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† Except California

ORNAMENTALS

This fungicide is used for control of Pythium, Downy Mildew, Powdery Mildew, Phytophthora and various other diseases of ORNAMENTALS grown in commercial nurseries and greenhouses, golf courses, parks and commercial landscapes. This product may be applied to all ornamental and landscape plants including (but not limited to): Aglaonema, Aphelandra, Arborvitae, Ash, Azaleas, Bougainvilleas, Boxwood, Bushes, Cattleya skinneri, Cedars, Ceanothus, Cotoneaster, Cissus, Dieffenbachia, Dogwood, Ferns, Ficus, Flowering Trees, Hibiscus, Hardwood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Redwoods, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Shrubs, Spathiphyllum, Sycamore, Taxus media, Zygocactus.

Apply this product prior to disease development in conjunction with good cultural practices. Use the higher rate when disease pressure is severe. Use rates and frequency are designed to prevent plant injury. If more frequent applications are necessary for disease control, consult a crop expert and follow their recommendations. Do not exceed the highest rate per application. Do not apply at less than 3-day intervals. Do not apply to plants that are dormant or under heat or moisture stress. To avoid undesirable copper phytotoxicity, do not make foliar applications to plants treated with copper-based compounds at less than 20-day intervals unless instructed to do so by your consultant. Allow foliage to completely dry after application. Do not apply when conditions favor wet tissue for prolonged periods (>4 hours).

Disease	Application Method	Rate	Application Program
Phytophthora Pythium Fusarium† Rhizoctonia† Fire Blight† *(Erwinia amylovora)*	Foliar	1 to 2 quarts/100 gallons water or 1/3 fluid ounce to 2/3 fluid ounce/gallon of water. (2.5 to 5 liters/1000 liters water)	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply at intervals less than 3 days. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days
	Root Dip	2 quarts/100 gallons of water, 2/3 fluid ounce/gallon of water (5 liters/1000 liters of water)	Dip transplants into diluted solution. Thoroughly wet plant root mass immediately before transplanting. Keep roots submerged for 1 to 2 minutes.
	Soil Drench	12-24 fluid ounces/100 gallons of water or 1/8 to 1/4 fluid ounce per gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days.
	Irrigation	Overhead: 1-2 quarts /100 gallons of water. (2.5 – 5 liters/1000 liters of water) Drip: 1-2 quarts /100 gallons of water. (2.5 – 5 liters/1000 liters of water)	Apply with normal irrigation schedule. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.
Downy Mildew Powdery Mildew†	Foliar	1 to 2 quarts/100 gallons water (1/3 fluid ounce to 2/3 fluid ounce/gallon of water) (2.5 to 5 liters/1000 liters of water)	Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed. Do not apply more than 6 times per crop cycle or year. Follow Disease Prevention Program or Disease Control Program as stated above. Do not apply at intervals less than 3 days.

* Check with your local Extension Agent if you are unsure these conditions exist.
† Except California

CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS AND FORESTS, LANDSCAPES AND PARKS (INCLUDING CHRISTMAS TREES, OAKS and PINES)

This product applied in conjunction with good cultural management practices will control Phytophthora root rot of conifers including (but not limited to): Douglas Fir, spruce and pines also other Phytophthora disease of Oaks (Sudden Oak Death) and forest trees. Use the higher rates when disease pressure is severe. Do not apply to trees that are under heat or moisture stress.

Disease	Application Method	Rate	Application Program
Phytophthora	Foliar	1 to 2 quarts/100 gallons of water/ acre (2.5 to 5 liters/1000 liters water/ hectare) or 1/3 fluid ounce to 2/3 fluid ounce/ gallon of water. Apply diluted solution to thoroughly wet foliage. Apply at 2-3 week intervals and repeat as needed.	**Disease Prevention Program*:** Apply lower rate at 2-4 week intervals after plants become established. Do not apply at intervals less than 3 days. **Disease Control Program:** Apply higher rate at 2-3 week intervals until control is reached. Consult with Farm Advisor or crop expert to determine disease severity. Do not apply Harrell's ProtectMAX® Title Phyte Systemic Fungicide at intervals less than 3 days.
	Soil Drench	12-24 fluid ounces/100 gallons of water or 1/8 to 1/4 fluid ounce per gallon of water (1 to 2 liters/1000 liters of water)	Apply 1-2 pts. of diluted solution per sq. foot. Adjust volume as needed to thoroughly wet media. Apply at 2-3 week intervals and repeat as needed. Do not apply at intervals less than 3 days.
	Trunk Injection	3 teaspoons / linear yard of canopy width or 2 inch of trunk diameter at breast height (DBH) (15 milliliters/ linear meter of canopy width or 5 centimeters DBH.) Inject directly into tree.	Apply according to injection equipment instructions. Adjust rate based on injection equipment suggestions for specific applications.
	Root Dip	2 quarts/100 gallons of water (2/3 fluid ounce/ gallon of water) 5 liters/ 1000 liters of water	Apply as a pre-plant dip to the roots for 15-30 minutes. Plant within 24 hours after dipping.

* Check with your local Extension Agent if you are unsure these conditions exist.

Do not graze livestock in treated conifer nurseries and/or plantations. Do not feed forage to livestock from treated nurseries and/or plantations.

TURF
(INCLUDES APPLICATIONS TO RESIDENTIAL AND COMMERCIAL LAWNS BY COMMERCIAL APPLICATORS)

This product is a systemic fungicide, which is used for the control of Pythium blight, Summer Complex (Bermuda and others), Dollar Spot, Grey Leaf Spot, Brown Patch, Anthracnose and damping-off diseases to turf grasses on sod farms and lawns, commercial turf production, golf courses (including tees and greens), parks and commercial landscapes. Begin preventative applications when conditions first favor disease and repeat at recommended intervals. Use higher rates under severe disease conditions.

Disease	Application Method	Rate	Application Program
Pythium *(Yellow Turf)* Rhizoctonia† Sclerotinia† Helminthosporium† Alternaria† Anthracnose† *(Colletotrichum graminicola)*	Foliar	1 to 5 ounces/1,000 square feet. (50-100 milliliters/100 square meters) or 1 to 3 quarts/100 gallons of water/ acre. (3 to 8 liters/1000 liters of water/ hectare)	Mix in 1 – 2 gal of water and apply to 1,000 sq. ft. Apply at 7 to 21-day intervals as needed. For sod farms and large areas: Apply diluted solution to thoroughly wet foliage. Apply at 7-21 day intervals and repeat as needed.
	Irrigation	Overhead: 2-3 quarts/acre (5 – 7 liters/hectare in at least 100 gallons of water. (1000 liters) of water.	Apply at 7 – 10 day intervals with normal irrigation schedule. Repeat as needed.

* Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock and poultry.

† Except California

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
Pesticide Storage: Store in a dry, cool place.
Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling (5 gallons or less)
Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)
Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)
Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONTAINERS ARE NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Refillable Bulk Containers

Refillable Container. Container handling instructions are not required. Cleaning before refilling is the responsibility of the refiller.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Harrell's, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HARRELL'S, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Harrell's, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, HARRELL'S, LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT HARRELL'S, LLC'S ELECTION, THE REPLACEMENT OF PRODUCT.

Manufactured For and Guaranteed By:

Harrell's, LLC

P.O. BOX 807

Lakeland, FL 33802

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52287-25.titlephytefungicide.20201218

Appear®

Fungicide

A systemic fungicide for the control of diseases caused by *Pythium* spp. and other pathogens on turf of golf courses.

Active Ingredient:	
Potassium Phosphite*	53.30%
Other Ingredients:	46.70%
Total:	100.00%

*Phosphorous acid equivalent: 33.50% (4.1 lb/gal).

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1451

EPA Est. 072344-MO-004

Product of Israel

SCP 1451A-L1A 1013

2 gallons

Net Contents

syngenta®

FIRST AID	
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes	• Hold eye open and rinse slowly and gently with water for 15–20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15–20 minutes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) **Call Syngenta at** 1-800-888-8372	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed or if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- shoes plus socks

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Remove clothing/PPE immediately if pesticide gets in. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

PRODUCT INFORMATION

Appear is a systemic fungicide, which contains potassium phosphite. Appear is effective in prevention and control of diseases caused by *Pythium*, Anthracnose and *Rhizoctinia* spp. Appear, applied as part of an Integrated Pest Management (IPM) program with good cultural management, promotes a vigorous, healthy stand of turf that is better able to tolerate stress. In order to achieve maximum disease control, apply before the resistance of disease or when disease is first observed. Initiate applications when environmental conditions are favorable for disease development.

MIXING INSTRUCTIONS

Apply in 1-5 gallons of water per thousand square feet. Fill spray tank halfway with clean water. Add the required amount of Appear to the tank as indicated in the table below. While agitating, add the remaining amount of water.

COMPATIBILITY

Appear is believed to be compatible with most commonly used pesticides. Consult specific product labels for additional information. Conduct a tank spray compatibility test when you plan to mix this product with other products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank.

Appear has been evaluated for phytotoxicity on a large number of turf grasses under various growing conditions. However, testing all plant species, with all tank mixtures and combinations is not feasible. Test a small portion of the area to be treated for phytotoxicity, prior to treating the entire area.

APPLICATION INSTRUCTIONS

Appear is a systemic fungicide, which provides control of the three forms of *Pythium* diseases that attack turf grass, when the product is applied in a preventative manner. Begin spraying when environmental conditions are favorable for the development of *Pythium*.

- Apply solution directly to turfgrass unless directed otherwise in the **DIRECTIONS FOR USE**. For optimum control, thorough coverage is required.
- Do not apply this product through any type of irrigation system.
- Do not mow or apply water to treated areas until the foliage is completely dry.

Turf Pythium Control

Disease	Appear fl oz/ 1,000 sq ft	Appear fl oz/Acre	Application Interval	Instructions
Pythium blight	3-4 4-6	130-75 175-260	7-14 days 14 days	Begin preventative applications when conditions first favor blight. As disease pressure increases, increase the rate of Appear.
Pythium root and crown rot	6-8	260-350	7-14 days	Best used as part of an overall agronomic program.
Pythium damping off	6-8	260-350	7-14 days	Apply to the seedbed and continue on a protective program.

Use a shorter spray interval and a higher rate under extra disease pressure.

Turf Tank Mixes for Control of Summer Stress and Anthracnose

An Appear program encourages the development a vigorous, healthy stand of turf that is better able to tolerate stress as part of a complete disease control program. Apply Appear with products registered to control the disease complex on turf in accordance with the most restrictive of label limitations and precautions. Do not exceed the label dosage rates.

Disease	Appear fl oz/ 1,000 sq ft	Tank Mix Product	Application Interval	Instructions
Summer Stress (*Pythium*, Anthracnose, *Rhizoctonia* spp.)	4-8	Daconil Action™ Secure™	14 days	Applications must be made prior to the appearance of the disease and reapplied on a 14 day interval while conditions favor the disease.
Anthracnose *(Colletotrichum cereale)*	4-8	Daconil Action Medallion®	14 days	Preventive applications should be made prior to the appearance of the disease and reapplied on a 14 day interval while conditions are favorable for disease.

Use a shorter spray interval and a higher rate under extra disease pressure.

The following fungicides are physically compatible with Appear and may be substituted for use with Appear in the summer decline program: Daconil Weatherstik®, Daconil Ultrex®, Daconil Zn®, Banner Maxx® II, Briskway™, Renown®, Concert® II, Heritage®, Heritage® TL, Headway®, Secure™ and Subdue MAXX®.

Note: To improve the control of dollar spot (*Sclerotinia homoeocarpa*), apply products containing propiconazole registered for this use to the tank mix.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a dry, cool place.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling [less than or equal to 5 gallons]: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

Container Handling [greater than 5 gallons]: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. TO THE EXTENT PERMITTED BY APPLICABLE LAW, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

Appear®, Banner Maxx® II, Briskway™, Concert® II, Daconil Action™, Daconil Ultrex®, Daconil Weatherstik®, Daconil Zn®, Headway®, Heritage®, Heritage®TL, Medallion®, Renown®, Secure™, Subdue Maxx®, the ALLIANCE FRAME, the Syngenta Logo, and the PURPOSE ICON are Trademarks of a Syngenta Group Company

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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-800-334-9481

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1451A-L1A 1013

SPECIMEN

Mefentrifluconazole	Group	3	Fungicide

Maxtima®

Fungicide

For disease control in turfgrass in nonresidential areas

Active Ingredient*:

mefentrifluconazole: 2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1H-1,2,4-triazole-1-yl)propan-2-ol	34.93%
Other Ingredients:	65.07%
Total:	100.00%

* **Maxtima® fungicide** contains 3.34 lbs mefentrifluconazole per gallon.

EPA Reg. No. 7969-404

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

See full label for complete **First Aid**, **Precautionary Statements**, **Directions For Use**, **Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

BASF
We create chemistry

FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. • **DO NOT** give anything by mouth to an unconscious person.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	• Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).	

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, or viton ≥ 14 mils)
- Shoes plus socks

User Safety Requirements

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove clothing/PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

DO NOT apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

This product may impact surface water quality because of runoff of rainwater. This is especially true for poorly draining soils and soils with shallow groundwater.

Groundwater Advisory

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product is classified as having high potential for reaching aquatic sediment via runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential loading of this active ingredient or its degradates from runoff water and sediment. **A 10 foot buffer strip is required in California, Florida, and New York.** Runoff of this product will be reduced by avoiding application when rainfall is forecast to occur within 48 hours.

Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. This labeling must be in the user's possession during application. Read the entire **Directions For Use** and **Conditions of Sale and Warranty** before using this product.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are **NOT** within the scope of the Worker Protection Standard of agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses.

DO NOT enter or allow others to enter treated areas until sprays have dried.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval, and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **12 hours**.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, including plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves (made of any waterproof material)
- Shoes plus socks

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in original containers only. Keep container closed when not in use. **DO NOT** store near food or feed.

Pesticide Disposal

Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container Handling

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse containers too large to shake (capacity > 5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage including cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

In Case of Emergency

In case of large-scale spill of this product, call:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-HELP (4357)

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment
- Your local poison control center (hospital)
- BASF Corporation 1-800-832-HELP (4357)

Steps to take if material is released or spilled:

- In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.
- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

Product Information

Maxtima® fungicide is a broad-spectrum fungicide containing the active ingredient mefentrifluconazole for use in turfgrass in nonresidential areas. For optimum disease control, apply **Maxtima® fungicide** in a regularly scheduled protective spray program and use in a rotation program with **non-Group 3** fungicides.

Mode of Action

Mefentrifluconazole, the active ingredient in **Maxtima® fungicide**, inhibits the demethylation step of sterol biosynthesis (DMI), which disrupts cell membrane synthesis and is classified by the Fungicide Resistance Action Committee (FRAC) as a **Group 3** fungicide.

Resistance Management

For resistance management, **Maxtima® fungicide** contains a **Group 3** fungicide. Any fungal population may contain individuals naturally resistant to **Maxtima® fungicide** and other **Group 3** fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same treatment areas. Appropriate resistance-management strategies must be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **Maxtima® fungicide** or other **Group 3** fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.

- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treatment area for lack of biological efficacy that might indicate possible resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or **Integrated Pest Management (IPM)** recommendations for specific crops and pathogens.
- For further information or to report suspected resistance consult your local BASF representative, extension specialist, or certified crop advisor.

Use Sites

Turfgrass

- Golf courses
  - tees, greens, fairways, roughs
  - naturalized areas on golf courses
- Cemeteries
- Commercial and industrial sites
- Sod farms

Application Instructions

- Begin **Maxtima® fungicide** applications preventively (before onset or in the early stages of disease) and continue throughout the season following specified intervals and resistance management guidelines.
- For optimal disease control, apply **Maxtima® fungicide** in a preventive disease management program.
- Use the shorter specified interval and/or higher specified rate when conditions favor disease.
- Thorough and uniform coverage is required for optimal disease control.
- Application equipment must be cleaned thoroughly before and after applying this product, particularly if a product with the potential for injury was used before application of **Maxtima® fungicide**. **Nutra-Sol®** and **Neutralize™** tank cleaners can be used to remove residues before and after **Maxtima® fungicide** application. Flush system with clean water.

Restrictions

- **DO NOT** use on residential turfgrass.
- **DO NOT** use on athletic fields.
- **DO NOT** apply through any type of irrigation equipment.
- Aerial application is prohibited for turf uses.
- **DO NOT** apply to greenhouse grown turf.
- **DO NOT** apply when treatment area is under stress from heat, cold, drought, or other conditions that could affect efficacy.
- Before large-scale use, apply the specified rate of **Maxtima® fungicide** on a small test area under expected growing conditions. Monitor for turfgrass injury for 14 days after application.

Dilution Table

Rate Maxtima® fungicide (fl oz/ 1000 sq ft)	**Rate Maxtima® fungicide** (fl ozs/ acre)	**Spray Volume per 1000 sq ft**			
		(mL per 1 gallon)	(mL per 2 gallons)	(mL per 3 gallons)	(mL per 4 gallons)
0.2	8.6	0.06	0.12	0.18	0.24
0.4	17.1	0.12	0.24	0.36	0.48
0.6	25.7	0.18	0.36	0.54	0.72
0.8	35	0.24	0.48	0.72	0.96

Use Rate Conversion	
fl ozs product/A	lbs mefentrifluconazole/A
8.6	0.22
17.1	0.45
25.7	0.67
35.0	0.91

Ground Application

- **Maxtima® fungicide** may be applied by ground sprayers including tractor groundboom, backpack/ handboom, handwand, etc.
- Adjust spray volume and application equipment for uniform and thorough coverage.
- Apply **Maxtima® fungicide** in 1 to 4 gallons of water per 1000 sq ft (44 to 174 gallons per acre) unless higher spray volumes are specified for the disease.
- For maximum efficacy under heavy disease pressure or on higher cuts of turf, apply 2 to 4 gallons of water per 1000 sq ft.

MANDATORY SPRAY DRIFT DIRECTIONS

Ground Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 ft above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 mph at the application site.
- **DO NOT** apply during temperature inversions.

Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- **DO NOT** apply when wind speeds exceed 10 mph at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NONTARGET SITES AND ENVIRONMENTAL CONDITIONS.

Importance of Droplet Size

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT - Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

Shielded Sprayers

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

Temperature and Humidity

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

Temperature Inversions

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

Wind

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Boom-less Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications:

Take precautions to minimize spray drift.

Tank Mixing Other Products and Additives

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Maxtima® fungicide can be tank mixed with other fungicides, herbicides, liquid fertilizers, biological control products, adjuvants, and additives. Always follow the most restrictive label use directions.

Tank Mixing Precautions

Physical incompatibility, reduced disease control, or injury may result from mixing **Maxtima® fungicide** with other products.

Mixing partners (products including stickers, extenders, wetting agents, spray adjuvants) are typically not necessary for use with **Maxtima® fungicide**; however, when such products are used, ensure they are labeled for use on turfgrass as appropriate. When an adjuvant is used with this product, BASF advises the use of a Chemical Producers and Distributors Association certified adjuvant. Consult a BASF representative or local turfgrass authority for more information on use of additives or adjuvants with this product.

Compatibility Test for Tank Mix Components

Before mixing components, always perform a compatibility jar test.

1. Add components in the order listed in **Mixing Order** instructions.
   - **For 100 gallons per acre spray volume:** Start with 16 cups (1 gallon) of water from the intended source at the source temperature.
   - **For other spray volumes:** Adjust rates accordingly.
   - **Dry product:** Add 2 teaspoons per pound of product per acre.
   - **Liquid product:** Add 1 teaspoon per pint of product per acre.
2. Always cap the jar and invert 10 cycles after component additions.
3. When the components have all been added to the jar, let the solution stand for 15 minutes.
4. **Evaluate** the solution for uniformity and stability. The spray solution must not have free oil on the surface, fine particles that precipitate to the bottom, or thick (clabbered) texture. **DO NOT** use any spray solution that could clog spray nozzles.

Mixing Order

Make sure each component is thoroughly mixed and suspended before adding tank mix partners. Except when mixing products in PVA bags, maintain constant agitation during mixing and application.

1. **Water** - Fill a thoroughly clean sprayer tank 3/4 full of clean water and begin agitation.
2. **Inductor** - If an inductor is used, rinse it thoroughly after each component has been added.
3. **Products in PVA bags** - Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water-dispersible products** (including dry flowables, wettable powders, suspension concentrates including **Maxtima® fungicide**, or suspo-emulsions)
   - **Containers 5 gallons or less:** Shake well before adding to the tank.
   - **Containers more than 5 gallons:** Recirculate before adding to the tank.
   - Consult a BASF representative for additional information regarding agitation and recirculation.
5. **Water-soluble products**
6. **Emulsifiable concentrates** (including oil concentrates when applicable)
7. **Water-soluble additives** [for example ammonium sulfate (AMS) or urea ammonium nitrate (UAN) when applicable]
8. **Remaining quantity of water**

Turfgrass

	Disease Controlled	Rate (fl oz product) per 1000 sq ft	Rate (fl ozs product) per acre	Application Interval (days)
Apply Preventively When Conditions Favor Disease	Anthracnose *Colletotrichum graminicola* Leaf spots *Bipolaris* spp., *Drechslera* spp., *Exserohilum* spp.	0.4 to 0.6	17.1 to 25.7	14
	Brown ring patch (formerly known as Waitea patch) [1] *Rhizoctonia circinata* var. *circinata*	0.6	25.7	
	Dollar spot *Clarireedia homoeocarpa*, *Clarireedia* spp. (formerly known as *Sclerotinia homoeocarpa*)	0.2 to 0.4	8.6 to 17.1	14 to 28
	Mini ring *Rhizoctonia zeae*	0.8	35	14 to 21
	† Fairy ring [1] Various *Basidiomycete fungi* Take-all root rot of warm season turfgrasses (formerly known as Bermudagrass decline) [1] *Gaeumannomyces graminis* var. *graminis* Take-all patch [1, 2] *Gaeumannomyces graminis* var. *avenae*			28
	Spring dead spot [1, 3] *Ophiosphaerella* spp., *O. herpotricha*, *O. korrae*	0.6 to 0.8	25.7 to 35	
	[1] Apply 0.25-inch of post-application irrigation; including a soil wetting agent prior to or at application to improve fungicide movement through the thatch and into the soil where soilborne targets reside. A sequential application is advised during healing of fairy ring symptoms. [2] Make 2 applications in fall targeting 55ºF soil temperature. A follow-up application of fluxapyroxad and pyraclostrobin may be warranted in spring if heavy disease pressure is present. Apply 0.25-inch of post-application irrigation immediately after application to improve fungicide movement through the thatch and into the soil where soilborne targets reside. [3] Make 2 applications in fall (targeting 70ºF soil temperature) or one application followed by a combination product containing fluxapyroxad and pyraclostrobin.			
Apply in Spring	Summer patch *Magnaporthiopsis poae*	0.8	35	21 to 28
	Apply when soil temperatures reach 60ºF to 65ºF at a 2-inch depth or per local guidance. Use shorter interval when conditions favor disease.			

(continued)

Turfgrass
(continued)

State-specific Restrictions
† Not for use in California.

The minimum re-treatment interval is 14 days.

DO NOT make more than two (2) sequential applications of **Maxtima® fungicide** before alternating to a labeled **non-Group 3** fungicide.

DO NOT apply more than 35 fl ozs (0.91 lb mefentrifluconazole) per acre per application (0.8 fl oz per 1000 sq ft).

DO NOT exceed 2 applications per acre per year at the 35 fl ozs or 25.7 fl ozs rates. **DO NOT** exceed 4 applications per acre per year at the 17.1 fl ozs per acre rate. **DO NOT** exceed 8 applications per acre per year at the 8.6 fl ozs rate (for dollar spot control only).

DO NOT apply more than 70 fl ozs (1.83 lbs of mefentrifluconazole) per acre per year.

DO NOT apply more than a cumulative total of 1.83 lbs ai/acre/year of mefentrifluconazole-containing products.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF. 1108P

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BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

We create chemistry

PYDIFLUMETOFEN	GROUP 7	FUNGICIDE

Posterity®

Fungicide

A fungicide for prevention and control of dollar spot and other listed diseases in golf course turfgrasses only

ADEPIDYN™ technology*

*technology denotes the active ingredient pydiflumetofen

Active Ingredient:	
Pydiflumetofen**:	18.3%
Other Ingredients:	81.7%
Total:	100.0%

**CAS No. 1228284-64-7

Posterity is formulated as a suspension concentrate (SC) that contains 1.67 lb of pydiflumetofen per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. 100-1600

EPA Est. 100-NE-001

SCP 1600A-L1A 0518

3 qt 9 fl oz (105 fl oz)

Net Contents

syngenta®

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1.0 FIRST AID

FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call **1-800-888-8372**	

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

User Safety Requirements

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

2.2.1 ENGINEERING CONTROL STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Wash thoroughly with soap and water after handling.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

2.3 Environmental Hazards

The pesticide pydiflumetofen is toxic to fish, aquatic invertebrates, and oysters and shrimp. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated area.

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsates.

2.3.1 GROUND WATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

2.3.2 SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff several months or more after application.

A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of pydiflumetofen from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

2.4 Physical or Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Notify state and/or Federal authorities and Syngenta immediately if you observe any adverse environmental effects due to use of this product.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY AND/OR POOR DISEASE CONTROL

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses

Professional applications to golf courses are not within the scope of the Worker Protection Standard. **Do not enter or allow others to enter the treated area until sprays have dried.**

3.0 PRODUCT INFORMATION

- Posterity is intended for use by professional applicators.
- Read all label directions before use. All applications must be made according to the use directions that follow.
- Posterity is a turf fungicide that has preventative, systemic and curative properties.
- Posterity provides control of dollar spot, Microdochium patch, spring dead spot and fairy ring on turfgrass. Posterity may be applied and integrated into a resistance management program.

3.0.1 TURFGRASS TOLERANCE

Posterity plant tolerance has been tested for all major turfgrass species; however, not all possible tank-mix combinations have been tested under all conditions. When possible, it is recommended to test the combinations on a small portion of the turf to ensure that a phytotoxic response will not occur as a result of application.

3.1 Integrated Pest (Disease) Management (IPM)

Posterity should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Sound pest management resulting in healthy, vigorous turf is the foundation of a good IPM program. Cultural practices such as proper choice of varieties, nutrient management, proper cutting height, thatch management, and proper watering, drainage, and moisture stress management should be integrated with the use of fungicides to increase turf vigor and reduce the susceptibility to disease. Immunoassay detection kits and extension service diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

3.2 Resistance Management

PYDIFLUMETOFEN	GROUP 7	FUNGICIDE

For resistance management, Posterity contains a Group 7 fungicide. Any fungal population may contain individuals naturally resistant to Posterity and other Group 7 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of Posterity or other Group 7 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Syngenta Crop Protection at 1-866-796-4368. You can also contact university extension specialist to report resistance.

As part of a resistance management strategy:

- Apply no more than 2 sequential applications to turfgrass.

4.0 APPLICATION DIRECTIONS

4.1 Methods of Application

Posterity may be applied with all types of spray equipment commonly used for making ground, foliar applications. Refer to **Section 6.0** for rates and additional information.

4.2 Application Equipment

4.2.1 NOZZLES

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles should be the same size and uniformly spaced across the boom.
- Calibrate sprayer before use.
- It is suggested that screens be used to protect the pump and to prevent nozzles from clogging.
- Screens placed on suction side of pump should be *16-mesh or coarser*.
- Do not place a screen in the recirculation line.
- Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles.
- Check nozzle manufacturer's recommendations.

4.2.2 PUMP

- Use a pump with capacity to:
  1. Maintain the recommended PSI for the nozzles being used to apply the spray mixture.
  2. Provide sufficient agitation in tank to keep mixture in suspension - this requires recirculation of 10% of tank volume per minute.
- Use a jet agitator or liquid sparge tube for agitation.
- Do not air sparge.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural recommendations.

4.3 Application Volume and Spray Coverage

- Proper adjustments and calibration of spraying equipment to give good coverage is essential for good disease control.
- Apply in sufficient water to provide good coverage. Typical application volumes range from 30 to 175 gallons of spray per acre.
- Thorough coverage is necessary to provide good disease control.
- When an adjuvant is to be used with this product, Syngenta recommends the use of a Chemical Producers and Distributors Association certified adjuvant that is approved for use in turfgrass.

4.4 Mixing Directions

- Prepare no more spray mixture than is needed for immediate operation.
- Thoroughly clean spray application equipment before using this product.
- Thoroughly agitate the spray solution before and during application.
- Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.
- If spray-tank mixture is unsprayed for more than 18 hours (overnight), re-suspend product with agitation for 20 minutes.

Note: Do not use silicone-based products with Posterity due to possible phytotoxicity.

4.4.1 POSTERITY ALONE

- Add 1/2-2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add Posterity to the tank.
- Add an adjuvant, if recommended.
- Continue agitation while adding the remainder of the water.
- Begin application of the spray solution after Posterity has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed.

4.4.2 TANK-MIX PRECAUTIONS

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

- Posterity is usually compatible with many tank-mix partners registered for use on the listed use site. If tank mixes are desired, observe all directions, precautions, and limitations on labeling of all products used.
- Consult compatibility charts or your local or state turf authority for compatibility information.
- Do not combine Posterity in the spray tank with pesticides, surfactants, or fertilizers unless compatibility charts or your own prior use has shown that the combination is physically compatible, effective, and non-injurious under your conditions of use.

4.4.3 TANK-MIX COMPATIBILITY TEST

A jar compatibility test is recommended prior to tank mixing with other pesticides and/or adjuvants/additives, in order to ensure the compatibility of POSTERITY with other products, adjuvants or fertilizers. The recommended procedure for conducting jar tank-mix compatibility tests is as follows:

Compatibility Test: Always perform a tank-mix compatibility test when mixing with new or unknown tank-mix partners before use. Use compatibility agents or buffering agents as per manufacturer label recommendations when using diluted fertilizer suspensions as carrier. The following test assumes a spray volume of 25 gal/A. For other spray volumes, make appropriate changes in the components. Perform tank-mix compatibility test as follows:

1. Add 1 pt of carrier (either the water or liquid fertilizer to be used in the spray operation) to each of two clear 1-qt jars with tight lids.
2. To **one** of the jars, add 1/4 tsp or 1.2 ml of a commercially available tank-mix compatibility agent approved for this use (1/4 tsp is equivalent to 2 pt/100 gallons of spray solution). Close the lid, invert the jar, shake or stir gently to ensure thorough mixing of the compatibility agent.
3. To **both** jars, add the appropriate amount of each tank-mix partner. If more than one tank-mix partner is to be used, follow the mixing order, add dry formulations (wettable powders or water dispersible granules) first, followed by liquid flowables, capsule suspensions, emulsifiable concentrates, and finally add adjuvants. After each addition, invert the jar, shake or stir gently to thoroughly mix. The appropriate amount of each tank-mix partner for this test, is as follows:

   Dry formulations: For each pound to be applied per acre, add 1.5 level teaspoons to each jar.

   Liquid formulations: For each pint to be applied per acre, add 0.5 teaspoon or 2.5 milliliters to each jar.
4. After adding all ingredients, close the jars and tighten, then invert each jar 10 times to fully mix. Let the mixtures stand for 15-30 minutes and then assess by looking for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if a compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (A) Pre-slurry dry formulations in water before addition to the jar, or (B) add the compatibility agent directly into liquid formulations, before addition to the jar. If these procedures are followed but incompatibility is still observed, do not prepare the tank-mix in the spray tank.

4.4.4 POSTERITY IN TANK MIXTURES

- Add 1/2-2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add the tank-mix partner(s) into the tank in this order.
  1. Water-soluble packaging
  2. Wettable powders
  3. Wettable granules (dry flowables)
  4. Liquid flowables (such as Posterity)
  5. Emulsifiable concentrates
  6. Surfactants/adjuvants.
- Allow each product to completely dissolve and disperse into the mix water before adding the next product and continue agitation until all products are added.
- Continue agitation while adding the remainder of the water to the spray tank.
- Begin application of the mixture after all products have been completely dispersed into the application mixture.
- Maintain agitation until all of the application mixture has been applied.

5.0 RESTRICTIONS AND PRECAUTIONS

5.1 Use Restrictions

- **DO NOT** apply to turfgrass by air.
- **DO NOT** apply to turfgrass through irrigation systems (chemigation).

5.2 Use Precautions

- Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if the maximum amount of Posterity has been used.
- If resistant isolates to Group 7 fungicides are present, efficacy can be reduced for certain diseases.
- The shorter spray intervals may be required under conditions of heavy infection pressure with highly susceptible varieties, or when environmental conditions are conducive to disease.
- Allow Posterity to completely dry prior to irrigating.

5.3 Spray Drift Management

- THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.
- The interaction of many equipment- and weather-related factors determines the potential for spray drift.
- DO NOT spray when conditions favor drift beyond area intended for application.
- DO NOT apply when the wind speed is greater than 10 mph or during periods of temperature inversions.

5.3.1 Ground Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a pasture or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For all other applications, applicators are required to use a coarser droplet size (ASABE S572.1).

5.3.2 Importance of Droplet Size:

- An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

5.3.3 CONTROLLING DROPLET SIZE

- Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher rate nozzles instead of increasing pressure.
- Number of Nozzles – Use the minimum number of nozzles that provide uniform coverage.
- **Spray Nozzle** – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

5.3.4 APPLICATION HEIGHT

Applications must be made at the lowest height above the target area that still provides uniform coverage of the target. Making applications at the lowest yet effective height reduces exposure of droplets to wind.

5.3.5 SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

5.3.6 TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

5.3.7 WIND

Drift potential is lowest when wind speeds are 10 mph or less. However, many factors, including droplet size, pressure, and equipment type determine drift potential at any given wind speed. **Note:** Local terrain can influence wind patterns.

AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

5.3.8 TEMPERATURE INVERSIONS

Applications must not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates, indicates good vertical air mixing.

5.3.9 NON-TARGET AREAS

Do not apply this pesticide when the product may drift to non-target areas (i.e. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops).

6.0 TURF USE DIRECTIONS

6.1 Golf Course Turfgrass

Turfgrass (including all cultivars, varieties, and or hybrids)				
Turfgrass for Golf Courses				
Target Pest	**Rate (fl oz per 1,000 sq ft)**	**Rate (fl oz/A) (lb ai/A)**	**Application Timing**	**Use Directions**
Dollar spot (*Sclerotinia homoeocarpa*)	0.08	3.5 (0.046)	Apply preventatively when conditions are favorable for disease development, prior to symptom development. Apply at 14-day intervals.	Apply the higher rate under heavy disease pressure or if longer intervals of control are desired. For broad-spectrum disease control, tank-mix or alternate Posterity with a contact fungicide containing Chlorothalonil and Acibenzolar-S-Methyl (e.g. Daconil® Action™).
	0.16 – 0.32	7.0 – 14.0 (0.091-0.183)	Apply preventatively when conditions are favorable for disease development, prior to symptom development. Apply at 21- to 28-day intervals.	
Fairy Ring (*Lycoperdo, Arachnion, Bovista, Vascellum, and Agrocybe* spp.)	0.16 – 0.32	7.0 -14.0 (0.091-0.183)	Apply when conditions become favorable for disease. Apply at 21-28 day intervals.	Apply Posterity as a part of a preventive program. Add the recommended rate of a wetting agent. Fairy ring symptoms may take 2 to 3 weeks to disappear following curative applications and reapplication may be required in some cases. Rotate with fungicides containing Penthiopyrad(e.g. Velista®), OR Azoxystrobin or/and Acibenzolar-S-Methyl, (e.g. Heritage®, Heritage® Action™), OR Azoxystrobin and Difenoconazole (e.g. Briskway®).
Microdochium patch (*Microdochium nivale*)	0.08 – 0.16	3.5 – 7.0 (0.046-0.091)	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. Apply at 14- to 28-day intervals.	Apply the higher rate under heavy disease pressure or if longer intervals of control are desired. For broad-spectrum disease control, tank-mix or alternate Posterity with a contact fungicide containing Chlorothalonil and Acibenzolar-S-Methyl (e.g. Daconil Action).
Spring Dead Spot (*Ophiosphaerella* spp.)	0.16 – 0.32	7.0 -14.0 (0.091-0.183)	Apply when conditions become favorable for disease. Make 2 applications on a 28-day interval.	Make 2 applications on a 28-day interval prior to winter dormancy.

Resistance Management:

- Do not make more than two sequential applications of Posterity before alternation with a fungicide that is not in Group 7.

USE RESTRICTIONS

1) Refer to **Section 5.1** for additional product use restrictions.
2) **Maximum Single Application Rate:** Do not exceed the maximum rate listed in the table.
3) **Maximum Number of Applications per Year:** Do not make more than 2 applications at the maximum application rate per year.
4) **Minimum Application Interval:** 14 days
5) **Maximum Annual Rate:** Do not apply more than 28.0 fl oz/A/year (0.36 lb ai/A/year of pydiflumetofen-containing products)

7.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Keep this product in its tightly closed original container, when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

Pesticide Disposal

Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling [less than or equal to 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling [greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling [greater than 5 gallons]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER.

8.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

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