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.*	1 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: ADVANCED TURF SOLUTIONS, INC.
Firm Name

12955 FORD DRIVE
Address

FISHERS, IN 66038
City, State & Zip

Bid must be signed: Ryan Smith
Signature of Authorized Company Representative – Title

Ryan Smith
Representative's Name (Typed or printed)

859-559-5405
Area Code - Phone – Extension *Fax #*

ryan.smith@advancedturf.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, _____, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Ryan Smith and he/she is the individual submitting the bid or is the authorized representative of ADVANCED TURF SOLUTIONS, INC., 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. _____

STATE OF IN

COUNTY OF Hamilton

The foregoing instrument was subscribed, sworn to and acknowledged before me by Vicki Lynn Moore on this the 20th day of July, 2026

Vicki Lynn Moore
Notary Public Seal State of Indiana
Hamilton County
Commission Number NP0741410
My Commission Expires 5/24/2030

My Commission expires: 5/24/2030

Vicki Lynn Moore Indiana

NOTARY PUBLIC, STATE AT LARGE

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

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.*	__1__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: ADVANCED TURF SOLUTIONS, INC.
Firm Name

12955 FORD DRIVE
Address

FISHERS, IN 66038
City, State & Zip

Bid must be signed: Ryan Smith
Signature of Authorized Company Representative – Title

Ryan Smith
Representative's Name (Typed or printed)

859-559-5405
Area Code - Phone – Extension *Fax #*

ryan.smith@advancedturf.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, _____, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Ryan Smith and he/she is the individual submitting the bid or is the authorized representative of ADVANCED TURF SOLUTIONS, INC., 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. _____

STATE OF _____

COUNTY OF _____

The foregoing instrument was subscribed, sworn to and acknowledged before me

by _____ on this the _____ day

of _____, 20__.

My Commission expires: _____

_____
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.

Ryan Smith
Signature

ADVANCED TURF SOLUTIONS, INC.
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.

Ryan Smith
_____
Signature

7/17/26
_____
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.				
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.

ADVANCED TURF SOLUTIONS, INC.
Company

Ryan Smith
Company Representative

7/17/26
Date

Territory Sales Manager
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.					
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**.**

ADVANCED TURF SOLUTIONS, INC.
Company

Ryan Smith
Company Representative

7/17/26
Date

Territory Sales Manager
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.

<u>Note</u>: 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:	ADVANCED TURF SOLUTIONS, INC	**Date:**	
Project Name:		**Project Number:**	
Contact Name:		**Telephone:**	859-559-5405
Email:	ryan.smith@advancedturf.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.

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.

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.

<u>Note</u>: 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.

ADVANCED TURF SOLUTIONS, INC.	Ryan Smith
Company	**Company Representative**
7/17/26	Territory Sales Manager
Date	**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.

ATS 22-0-4	50 lb			$25/bag
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ1a. FAIRWAY FERTILIZER

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

ATS 22-3-11	50 lb.			$27/bag
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.

ATS 21-3-16 ATS 22-0-22	50 50			$55 $50
Analysis	Lbs. per Bag	Rate Per Acre	Active Ingredient	Unit Price

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.

ATS 12-24-10	50			$55
Analysis	Lbs. per Bag	Rate Per Acre	Active Ingredient	Unit Price

FZ4. 17-3-19

Starter fertilizer.

Active Ingredient: Nitrogen, Phosphate, Potash

Rate: Variety

18-9-18 Contec DG	40			$71
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%

18-0-0 .125 DIM	50			$32
Analysis	Lbs. per Bag	Lbs. Per 1000	Active Ingredient	Unit Price

FZ5a. 2-0-1 W/DIMENSION

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			$35
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.

ATS 30-0-6	50			$27.5
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.

FP 14-2-4				$98/2.5 gal
Analysis	Gal. per Case	Oz.per 1000	Active Ingredient	Price per Case

FZ8a. FLUID FERTILIZER

Approximate ratio of 4-1-4.

FP Foundation 40 4-0-8				$315/2.5 gal
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ8b. FLUID FERTILIZER

Approximate ratio of 18-3-6.

FP 18-3-4				$75/2.5 gal
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ8c. FLUID FERTILIZER

Approximate ratio of 30-0-0.

FP 30-0-0				$50/2.5gal
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ8d. FLUID FERTILIZER

Approximate ratio of 3-6-12

FP BIO 12-6-6				$80/2.5 gal
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ8e. FLUID FERTILIZER

Approximate ratio of 1-1-1.

FP Play On 7-0-7 $140/2.5 gal

FP Grow In 8-3-5				$140/2.5 gal
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.

ATS 26-0-6				$28/50 lb bag
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

AND 10-3-10 .164 DIM $101/50 lb bag

AND 18-6-15 .164 DIM				$110/50 lb bag
Analysis	Lbs per Bag	Lbs per 1000	Active Ingredient	Unit Price

FZ11. UREA 40-0-0

40% nitrogen based granular fertilizer
50 Pound Bags

46-0-0 Granular $28.50/ 50 lb bag

Price per bag

FZ12. Urea 35-0-0

35% nitrogen based granular
50 lb bags

46-0-0 Ultra N $36/50 lb bag

Price per bag

FZ13. Phosphite

Liquid foliar

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

FP Gold Standard 45 $215/2.5 gal
Price per bag

FZ14. LIQUID FERTILIZER

Derived from Humus

FP Colonise BIO				$252/2.5 gal
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ15. Advantage

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

FP Amperage 5-0-0				$175/2.5 gal
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

FZ16. Upplause Plus

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

FP Carbosential Fe				$285/2.5 gal
Analysis	Lbs. per bag	Rate Per Acre	Active Ingredient	Unit Price

ADDITIONAL FOLIAR FERTILIZERS

FP Armament Concentrate $275/2.5 gal

FP Promote 4-0-1 $135/2.5 gal
FP Armament P 3-12-2 $135/2.5 gal
FP Armament K 0-0-24 $135/2.5 gal
FP CSiL 2-0-0 $285/2.5 gal

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 %

Rate Per Acre	Active Ingredient	Unit Price
Dimension 2 EW		$643.63/2.5 gal

HC1a. SUITABLE SUBSTITUTE

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.

Rate per Acre	Active Ingredient	Unit Price
ArmorTech Threesome		$75/2.5 gal

HC2a. SUITABLE SUBSTITUTE

Rate Per Acre	Active Ingredient	Unit Price
ArmorTech 4-Runner		$150/2.5 gal

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.

Pints per Acre	Active Ingredient	Unit Price
Millenium Ultra 2		$285.75/2.5 gal

HC3a. SUITABLE SUBSTITUTE

Rate Per Acre	Active Ingredient	Unit Price
4-Speed XT		$205.75/2.5 gal

HC4. PACLOBUTRAZOL, OR SUITABLE SUBSTITUTE

Active ingredient: Paclobutrazol (22.3%)

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

ArmorTech PAC 223			$225/1 gal
Rate Per 1000	Gallons per case	Active Ingredient	Price per Case

HC4a. TRIMMITT (AGENCY PRICING)

Rate Per 1000	Gallons per case	Active Ingredient	Price per Case

HC4b. SUITABLE SUBSTITUTE

Anuew EZ			$783/2.5 gal
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

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

ArmorTech PGR 113			$325/2.5 gal
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%

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
Prosedge			$60/1.33 oz bottle

HC7a. SUITABLE SUBSTITUTE

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
Celero			$212.20/16 oz bottle

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

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
Acclaim Xtra			$895/1 gal

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

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
ArmorTech Trione			$255/1 gal

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
Ranger Pro			$65/2.5 gal

HC10a. SUITABLE SUBSTITUTE

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC11. PROXY (AGENCY PRICING)

Growth regulator, provides suppression of unwanted grasses.

Active Ingredient: Ethephon (22%)

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

HC11a. SUITABLE SUBSTITUTE

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
Verve Plant Growth Regulator			$95/2.5 gal

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
Pylex			$424.32/4 oz bottle

HC13. Dimension Ultra 40WP

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

Active Ingredient: Dithiopyr 40%

Dimension Ultra 40 WP	_____	_____	$141.25/8x5 oz
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%
Rate: 1.6 oz/11,000 sq. ft.

Mallet 2F			$60/1 gal
Lbs. per Case	Active Ingredient	Oz. Per 1000	Price per Case

IC2. BIFENTHRIN

To control pests and insects.

Active Ingredient: Bifenthrin, 7.9%

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

Talstar Select			$75/1 gal
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

Triple Crown			$371.20/1 gal
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

IC3a. SUITABLE SUBSTITUTE

Aloft GC SC			$695.55/64 oz
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

			$658.72/16 oz
Durentis (AGENCY PRICING)			$2470.40/64oz
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

IC5. Tetrino

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

Active ingredient: Tetraniliprole

Tetrino (AGENCY PRICING)			$606.72/1 gal
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

CHLORANTRANILEIPROLE Suitable Substitutes:

ArmorTech Balata $675/32 oz

Type text here

Additional Insecticides Targeting ABW:

Suprado $795/2.5 gal

Matchpoint $879/64 oz

Dylox 420 SL $355/2.5 gal

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.

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

FC1a. SUITABLE SUBSTITUTE

Mefanoxam 2 AQ	_____	_____	$1200/2.5 gal
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC2. IPRODIONE

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.

ArmorTech IP238	_____		$240/2.5 gal
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC2a. SUITABLE SUBSTITUTE

_____	_____	_____	_____
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.

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

FC3a. SUITABLE SUBSTITUTE

ArmorTech PPZ143	_____	_____	$175/2.5 gal
Gallons per Case	Rate per 1000	Active Ingredient	Price per Case

FC4. MANCOZEB

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.

Manzate ProStick	_____	_____	$45/6 lb bag
Gallons per Case	Rate per 1000	Active Ingredient	Price per case

FC5. BAYER SIGNATURE (AGENCY PRICING)

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

Chipco Signature	_____	_____	$431.64/11 lb Bottle
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.

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
Signature XTRA	Stressgard		$224.35/5.5 lb bottle

FC7. CHLOROTHALONIL, FLOWABLE

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.

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
ArmorTech CLT 720			$120/2.5 gal

FC8. AZOXYSTROBIN, FLOWABLE

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

Gallons per Case	Rate per 1000	Active Ingredient	Price per case
ArmorTech Zoxy-T			$250/1 gal
ArmorTech Zoxy 2F			$225/1 gal

FC9. FLUTULONIL

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%

Lbs. per Case	Rate per 1000	Active Ingredient	Price per case

FC10. THIOPLIANATE METHYL

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.)

ArmorTech TMI 2020	_____	_____	$325/2.5 gal
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%

EMERALD (AGENCY PRICING)	_____	_____	$129.95/.49 lb
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%,

_____	_____	_____
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.

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

FC13a. **SUITABLE SUBSTITUTE**

ArmorTech Rotator			$350/1 gal
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.

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

$226.06/11.4 oz

XXEMPLAR (AGENCY PRICING)			$1887.84/114 oz
Gallons per Case	Active Ingredient	Rate per 1000	Price per Case

FC16. TEBUCONAZOLE

For disease control.

Active Ingredient: Tebuconazole 38.7% (Approx.)

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

ArmorTech TEB 360			$90/1 gal
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

QualiPro Enclave			$355/2.5 gal
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

_____	_____	_____	_____
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.

Interface Stressgard (AGENCY)	_____	_____	$598.40/2.5 gal
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

For disease control.

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

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

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

FC20a. **SUITABLE SUBSTITUTE**

Karma	_____	_____	$300/1gal
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

FC22. Maxtima

Disease control in turfgrass.

Active ingredient: mefentrifluconazole

Gallons per Case	Active Ingredient	Rate per 1000	Price per Case
Maxtima (AGENCY PRICING)			$249.34/26 oz $2448/2.5 gal

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

ADDITIONAL FUNGICIDES:

Lexicon Intrinsic (AGENCY)	$658.77/21 oz
Navicon Instrinsic (AGENCY)	$603.84/37 oz
Insignia Intrinsic (AGENCY)	$606.65/30.5 oz
Encartis (AGENCY)	$357/2.5 gal
Aramax Intrinsic (AGENCY)	$2738.70
Serata (AGENCY)	$546/35oz
Fame SC (AGENCY)	$1652.48/64 oz
ArmorTech CYA 345	$350/39 oz
ArmorTech Prothio 4L	$600/64 oz
ArmorTech Becton	$1075/64 oz
ArmorTech FluZoxy-T	$935/2.5 gal

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

MC1. WETTING AGENT

A blend of non-ionic surfactants

_____
Price per Case

Hydropak Percolate $220/2.5 gal
HydroPak Infiltrip $175/2.5gal
HydroPak Aqeuous $165/2.5 gal
HydroPak Command $150/2.5 gal
HydroPak Matador $205/2.5 gal

Dispatch $312.38
Zipline $347.38

HydroPak SRT Tabs $310/case

MC2. TURF MARKER & COLORANT

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

Signal Blue Spray $42.5/1 gal
_____
Price per Case

Super Signal Blue $195/2.5 gal

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.

ChemStik LpH $82.50/2.5 gal
_____ _____
Units per case Price per case

MC4. PIGMENT COLORANT

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

Optimizer Greenshade $125/1 gal
_____
Price per gallon

MC5. PAR – PIGMENT COLORANT

_____
Price per gallon

MC6. TANK CLEANER

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

Erase Spray System Cleaner $23.50/quart
_____
Price per case

MC7. DEFOAMER

Foam suppressant.

Knockdown $28/quart
_____
Price per case

MC8. Symphony

Wetting Agent promotes water infiltration. Active Ingredient Polyoxyalkylene polymers.

_____
Price per gallon

ADVANCED
TURF SOLUTIONS
GREENS GRADE

12-24-10

Greens Grade

Methylene Urea, SOP, MAP

GUARANTEED ANALYSIS

Total Nitrogen (N) 12.0%
6.0% Ammoniacal Nitrogen
1.9% Water Insoluble Nitrogen*
0.9% Urea nitrogen
3.2% Slowly Available Water Soluble Nitrogen*
Available Phosphate (P_2O_5) …… 24.0%
Soluble Potash (K_2O) 10.0%
Sulfur (S) ……. 3.4%

Plant foods derived from: Sulfate of Potash, Methylene Urea, Monoammonium Phosphate.

*5.1% slowly available nitrogen from methylene ureas.

495-9110 genericpocket

Armament™

Net Wt. 50 lbs. (22.7 kg)

PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. Wear protective gloves/clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

FIRST AID

IF IN EYES:	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or doctor/physician if you feel unwell.
IF SWALLOWED:	Rinse mouth. Call a Poison Center or doctor/physician if you feel unwell.
IF ON SKIN:	Wash with plenty of soap and water. If skin irritation persists, get medical advice/attention.

For Chemical Spill, Leak, Fire or Exposure, Call CHEMTREC 1-800-424-9300

STORAGE AND DISPOSAL

Storage: Store in a cool dry area inaccessible to children and domestic animals. Reseal package tightly after each use.
Disposal: Dispose of contents in accordance with local/regional regulations.
Container Disposal: Place empty bag in trash or offer for recycling if available.

SPREADER SETTINGS

These settings are recommendations only. Each user should calibrate their own spreaders for proper application. Your application may vary with ground speed and wear on your spreading equipment. Bulk density, particle size (SGN) and a change in fertilizer analysis will also vary your spreader setting. To calibrate your spreader, place the proper amount of product for 500 square feet into the spreader and apply to your pre-measured 500 square feet (100 feet long by 5 feet wide) and adjust the spreader setting as necessary.

GREENS GRADE SGN

# OF PRODUCT /1000 SQ. FT.	# OF PRODUCT /ACRE	SCOTTS R8	LESCO ROTARY	SPYKER 24	PRIZELAWN CB	EARTHWAY 2400	LELY	VICON
3 LBS	130 LBS	H-I	F-G	3.25	3.25	12.5	3.75	21
4 LBS	174 LBS	I	G	3.5	3.75	13	4.5	25
5 LBS	218 LBS	J	H	3.75	4	14	5	28
6 LBS	261 LBS	K	H 1/2	4	4 1/2	15	5.5	30

Notice: These are approximate settings, age and condition of spreader can affect setting - always calibrate your spreader before using. Instructions for how to calibrate your spreader can be found on our website.

KEEP OUT OF REACH OF CHILDREN

WARNING
Causes serious eye irritation.
Harmful if inhaled.
Harmful if swallowed.
Causes skin irritation.

DIRECTIONS FOR USE

- Apply when turf or foliage is dry.
- Water following application will enhance performance of the fertilizer.
- Slightly overlap application to avoid striping turf.
- Uniform broadcast distribution of this product is essential. Spreaders should be calibrated for accurate and uniform application of this product.
- This product may contain materials that can stain sidewalks, patios, driveways, containers, etc. Sweep or remove immediately after application if product comes in contact with these surfaces to avoid staining.
- Avoid applying targeted areas when air temperatures exceed 85 degrees.
- Avoid applying when weather conditions favor drift from target areas.
- Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rains are expected. Apply this product only to your lawn and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn.
- Use in accordance with recommendations of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.
- Store the blended fertilizer product in a cool, dry place out of direct sunlight.

LIMITED WARRANTY AND DISCLAIMER

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Distributed & Guaranteed by:
Advanced Turf Solutions
12955 Ford Drive
Fishers, IN 46038

ContecDG®



Dispersing Granule Technology

18-9-18

- **Patented dispersing granule formula**
- **Greatly reduces mower pickup of fertilizer particles**
- **Specially designed for use on greens and tees**
- **Slow release nitrogen from MUtech®**
- **Contains iron and manganese**

GUARANTEED ANALYSIS

Total Nitrogen (N) 18.00%
4.17% Ammoniacal Nitrogen
4.73% Urea Nitrogen
3.75% Water Insoluble Nitrogen
5.35% Other Water Soluble Nitrogen*
Available Phosphate(P_2O_5) 9.00%
Soluble Potash (K_2O) 18.00%
Sulfur (S) 8.60%
8.60% Combined Sulfur (S)
Iron (Fe) 0.28%
0.28% Water Soluble Iron (Fe)
Manganese (Mn) 0.14%
0.14% Water Soluble Manganese (Mn)

Derived from urea, methylene ureas, monoammonium phosphate, ammonium sulfate, potassium sulfate, ferrous sulfate, manganous sulfate.

*5.35% slowly available nitrogen from methylene ureas

F002091

U.S. Patent #6,884,756

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



WARNING

MAY BE HARMFUL IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION

PRECAUTIONARY STATEMENTS
Call a poison center/physician if unwell. If on skin, wash with plenty of soap and water. If skin irritation occurs, get medical advice. Wear protective gloves. Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. If in eyes, rinse cautiously with water for several minutes, remove contact lenses. If eye Irritation persists, get medical advice. Wash hands after handling. Use only outdoors or in well ventilated areas. Avoid breathing dust. If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Store container tightly closed. Dispose of contents/container in accordance with national/regional/local regulations.

First Aid

If swallowed: If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention
If on skin: Wash affected areas with soap and water. Seek medical attention if irritation persists. Wash contaminated clothing before reuse.
If in eyes: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.
If inhaled: Move victim to fresh air. Seek medical attention if irritation persists.

DIRECTIONS FOR USE
Apply only as directed.

Use ContecDG® Dispersing Granule Technology 18-9-18 where a high nitrogen and potassium application is desired or when iron and manganese are needed to help correct or prevent deficiencies during the growing season.

For Turf: Watering in this product will disperse each granule into thousands of particles. This will facilitate the movement of the nutrients into the soil. This particle dispersion will also greatly reduce ball, shoe and mower pickup - minimizing nutrient loss. Cold weather and/or cold water (lower than 45° F/ 7° C) can result in slower particle dispersion.

Application to wet, close-cut golf turf may result in foliar staining, which will discolor the turf to a brown/black appearance. This will occur even if immediate irrigation or rainfall occurs. Be sure to apply this product to dry turf only.

Nitrogen Notice: For those states with nitrogen application restrictions, including but not limited to, MD, NH, NJ, PA and VA, do not apply more than 2.78 lbs of this product per 1,000 sq.ft.

Phosphate Notice: This lawn/turf fertilizer contains phosphorus 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 phosphorus deficiency. This fertilizer is not for the routine maintenance of turf.

Application Rates:
LOW: 2.78 lbs/1,000 sq. ft.
MEDIUM: 5.56 lbs/1,000 sq. ft.

FLORIDA APPLICATIONS:
We recommend that you follow the Florida Green Industries BMP's at:
http://www.flrules.org/Gateway/reference.asp?No=Ref-04706
We recommend that you follow the Florida Golf Course BMP's at:
http://www.flrules.org/Gateway/reference.asp?No=Ref-04702

For all applications:
Immediately after application, apply a minimum of 0.2 inches of water to disperse particles into the root zone. Due to variations in temperature and water pH, best results are achieved by splitting the irrigation into 2 applications at 10 - 15 minutes apart. This will allow for more thorough particle dispersion into the root zone. Cold weather (lower than 45° F/ 7° C) can result in slower particle dispersion.

Cool Season Grasses:
- Apply at the MEDIUM RATE during the growing season.
- Use the LOW RATE during mid-summer (non-greens usage).
- Exception: On bentgrass and *Poa annua*, apply at the LOW RATE if temperatures are 85°F or above.

Warm Season Grasses:
- Apply at the MEDIUM RATE during the growing season.
- Use the LOW RATE during summer stress.

Notice: This product contains the micronutrient iron for extra greening and to help prevent iron deficiency. Iron may stain concrete and other surfaces. Misapplied product to these surfaces should be removed promptly by sweeping or blowing. DO NOT WASH OFF WITH WATER. Particle color may vary from lot.

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.

Suggested Spreader Settings
These suggested spreader settings are not intended to replace calibration.
Please calibrate your spreader before applying product.
40 lbs. feeds 14,300 sq. ft. (0.33 acre) with 0.50 lb. N/1,000 sq. ft. at the LOW RATE (2.78 lbs/1,000 sq. ft.)
40 lbs. feeds 7,100 sq. ft. (0.16 acre) with 1.00 lb. N/1,000 sq. ft. at the MEDIUM RATE (5.56 lbs/1,000 sq. ft.)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS	
			LOW RATE 2.78 lbs/1,000 sq. ft.	MEDIUM RATE 5.56 lbs/1,000 sq. ft.
Andersons Model 2000 / AccuPro 2000 (cone 8); Andersons 2000 SR / SR-2000 (cone 8)	3 mph	10 feet	I 1/2	K
Andersons SS-2 Drop	3 mph	overlap wheels	3 1/4	4 1/2
Scotts R-8, R-8A (cone 9)	3 mph	10 feet	I	J
Lesco 020093 (pattern 0.0)	3 mph	9 feet	D 1/2	D 1/2
Lesco 705698 (pattern 0.0)	3 mph	9 feet	11	11

Storage and Use:
Store in a clean, dry place.
Reseal open bag by folding top down and securing.
Use only clean, dry spreaders.
Do not leave unused product in spreaders.

IMPORTANT: READ BEFORE USE:
Read the entire Directions for Use and the Warranty Disclaimer and Limitation 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 Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:
Manufacturer 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS.

LEGAL RIGHTS:
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHERS RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Product of U.S.A
Manufactured by:
The Andersons Inc.
P.O. Box 119
Maumee, Ohio 43537

©2023 The Andersons, Contec DG, and MUtech are registered trademarks of The Andersons, Inc.

0 31865 32898 5

10006210
E23

Net Wt. 40 lbs (18.14 kg)

ADVANCED
TURF SOLUTIONS

46-0-0

Granular Fertilizer

Guaranteed Analysis:

Total Nitrogen (N).....46%

46.0% Urea Nitrogen

Plant Food Derived from: Granular Urea

Morral Companies, 132 Postle Street, Morral, Ohio 43337

Net Weight 50 lbs.

ADVANCED
TURF SOLUTIONS

46-0-0

Granular Fertilizer

Guaranteed Analysis:

Total Nitrogen (N).....46%

46.0% Urea Nitrogen

Plant Food Derived from: Granular Urea

Morral Companies, 132 Postle Street, Morral, Ohio 43337

Net Weight 50 lbs.

DYLOX®

420SL

Turf and Ornamental Insecticide

For control of listed insects through applications to landscape turf and to soil at the bases of landscape flowers, shrubs, and trees.

For turf use on golf courses and on recreational and residential turf areas only.

For Control of White Grubs, Mole Crickets, Sod Webworms, Cutworms and Other Listed Pests of Turfgrass.

Controls damaging insects above and below the soil surface.

ACTIVE INGREDIENT:	
***Trichlorfon, Dimethyl (2,2,2-trichloro-1-hydroxy-ethyl) phosphonate**	**37.3%**
OTHER INGREDIENT:	**62.7%**
TOTAL:	**100.0%**

***3.5 lb trichlorfon per gal of formulated product**

EPA Reg. No. 5481-643-101563

DPM000001170A 140918AV1

STOP - READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN.

CAUTION

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 Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.



White Grubs

envu™

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

Specimen Label

FIRST AID Contains an organophosphate that inhibits cholinesterase.	
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 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 on skin:	• 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 the product container or label with you when calling a poison control center or doctor, or going for treatment.	
Note to Physician: Prolonged exposure will cause cholinesterase depression. Atropine Sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Do not take internally. Avoid contact with eyes, skin, or clothing. Do not get in eyes or on 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 natural rubber, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, and polyvinylchloride (PVC). For more options, follow the instructions for category C on an EPA chemical-resistant category chart.

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves

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

User 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 pesticide is toxic to fish and wildlife and is extremely toxic to aquatic invertebrates. Apply the product in strict accordance with label directions. For terrestrial uses, do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

Specimen Label

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.

RESTRICTIONS
• Use this product only as directed by its label. Do not apply this product to sites not listed in the APPLICATIONS table. • Do not allow people or pets to enter the treated area until sprays have dried. • Aerial application is prohibited. • Do not apply this product through any type of chemigation system. • Do not use this product on turf being grown for sale or other commercial use as sod. Do not use this product on turf being grown for commercial seed production or for research purposes except for research involving use of this product that is consistent with this label. • Do not apply this product to crops grown for food or forage. • Do not make foliar applications to trees, shrubs, bushes, or flowers. Ornamental plants may be treated only by applying spray to the soil at the base of the plant. • For applications to turf, limit the number of applications to 3 per calendar year with minimum re-treatment intervals of 7 days. • Do not apply more than 24.5 lbs of active ingredient per acre per year for controlling grubs and mole crickets. • Do not apply more than 16.2 lbs of active ingredient per acre per year for controlling surface feeding insects. • Post-application irrigation is required. • Do not apply when turf grass areas are water-logged or the soil is saturated with water (i.e. will not allow penetration into the root zone of the plant). Do not apply to the point of run-off or puddling of irrigation water following application. • Do not use this product on plants being grown for sale or other commercial use.

ADDITIONAL RESTRICTIONS FOR GOLF COURSES
• Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, or estuaries. • Broadcast use is limited to tees and greens. Use on fairways is limited to spot treatment. • Post-application watering-in is required.

SPRAY DRIFT MANAGEMENT

Do not allow spray to drift from the application site and contact people or structures that people occupy at any time.
Do not allow spray to contact property associated with structures that people occupy or parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals. Do not apply under circumstances where drift is possible to unprotected persons, or to food, forage, or crops intended for sale, use, or consumption.

For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site, as measured by an anemometer. Use coarse or coarser spray according to ASABE S-572 definition for standard nozzles or VMD for spinning atomizer nozzles.

The applicator must employ all other measures necessary to control drift.

NOTES: Spray droplets from applications of DYLOX 420 SL Turf and Ornamental Insecticide may cause spotting of paint finishes on aluminum and steel siding, automobiles, trucks and tractors. Do not allow spray droplets to contact metal painted surfaces. If accidental exposure does occur, thoroughly wash the painted surface immediately after exposure.

DYLOX 420 SL Turf and Ornamental Insecticide is a soluble concentrate, which dissolves readily in water and is suitable for use in all power-operated ground sprayers.

Use specified dosage of DYLOX 420 SL Turf and Ornamental Insecticide in the amount of water necessary to give complete coverage of soil or turf. The type of equipment used will affect the concentration of product needed.

Specimen Label

MIXING INSTRUCTIONS

COMPATIBILITY / MIXING / ORDER-OF-MIXING

Observe all cautions and limitations on labeling of all products used in mixtures.

Dylox 420 SL Turf and Ornamental Insecticide is physically and biologically compatible with many registered pesticides and fertilizers or micronutrients. When considering mixing Dylox 420 SL Turf and Ornamental Insecticide with other pesticides, or other additives, first contact your supplier for advice. For further information, contact your local Environmental Science U.S., LLC representative.

If your supplier and Environmental Science U.S., LLC representative have no experience with the combination you are considering, conduct a test to determine physical compatibility. To determine physical compatibility, add the prescribed proportions of each chemical with the same proportion of water as will be present in the chemical supply tank, into a suitable container, mix thoroughly, and allow the mixture to stand for five minutes. If the combination remains mixed, or can be readily remixed, the mixture is considered physically compatible.

The proper mixing procedure for Dylox 420 SL Turf and Ornamental Insecticide 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, add any products in PVA bags. Allow time for thorough mixing;
3) Continue to fill spray tank with water until 1/2 full;
4) Add any other wettable powder (WP) or wettable granules (WG) products;
5) Add any "flowable" (FL or SC) type products;
6) Allow enough time for thorough mixing of each product added to tank;
7) Add the required amount of Dylox 420 SL Turf and Ornamental Insecticide, and any other 'SL'-type products; emulsifiable concentrates (EC), fertilizers, micronutrients, spray adjuvants;
8) Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

NOTE: Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic that is not soluble in water or solvents.

Specimen Label

APPLICATIONS		
SITE	**INSECT**	**APPLICATION RATE**
Landscape Ornamentals (including flowers, shrubs, and trees) and Recreational Lawns & Turf	Cutworms Armyworms Webworms, incl. sod webworm Cranberry girdler	4.6-6.9 fl oz per 1,000 sq ft (200-300 fl oz per acre)
	Annual bluegrass weevil larvae	5.2-6.9 fl oz per 1,000 sq ft (225-300 fl oz per acre)
	Annual bluegrass weevil (adults) Billbug larvae Mole crickets Chinch bugs White grubs (including larvae of Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, (*Aphodius* spp.), May or June beetles (*Phyllophaga* spp.), northern & southern masked chafers, sugarcane grub (*Tomarus* spp.), and Oriental beetle)	6.9 fl oz per 1,000 sq ft (300 fl oz per acre)
	Mix specified dosage of DYLOX 420 SL Turf and Ornamental Insecticide in sufficient water to provide adequate distribution during application to lawn, turf, or groundcover area. To ensure that the active ingredient reaches the soil surface, apply with a minimum of 2 gal of water per 1,000 sq ft. Minimize the amount of thatch present prior to application. After application (on the same day), irrigate with sufficient water to thoroughly wet the remaining thatch and top layers of the soil. If sufficient rainfall to thoroughly wet the thatch and top layers of soil occurs after application and prior to irrigation, further irrigation is not required. Under dry conditions, pre-water prior to application for optimum control of white grubs and weevil larvae. If applied to newly mowed *Poa annua*, irrigate as soon as possible after application, particularly under conditions of high temperature and humidity. Potential injury may be exacerbated by tank mixing with other products, or by the addition of surfactants or other additives. If the turf is being maintained at a mowing height of greater than 1 inch, then the maximum specified application rate (6.9 fl oz per 1,000 sq ft) may be required during periods of high pest pressure. Do not use DYLOX 420 SL Turf and Ornamental Insecticide in hose-proportioned sprayers. **Note:** Do not use treated area or clippings from treated areas for feed or forage. For ornamentals, apply to soil around the plant.	
Narcissus	Narcissus bulb fly	37 fl oz
	Apply specified dosage in **100 gallons of water as a drench per 1,000 feet of row**. Direct stream to base of plants at beginning of adult fly activity (early May to June). Repeat treatments annually.	

Specimen Label

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Protect from freezing. 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 the container is leaking or material spilled for any reason or cause, begin immediate measures to contain the liquid by use of a spill kit or absorbent clay carrier and carefully sweep material into a pile preventing runoff into drains or waterways. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact the Environmental Science U.S., LLC. Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Environmental Science U.S., LLC. Emergency Response Telephone No. is 1-800-424-9300.

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.

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.

Do not use container in connection with food, feed, or drinking water. Completely empty container into application equipment. Offer for recycling, if available, or 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.

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. Ineffectiveness, plant injury or other property 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. 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.

Dylox is a trademark owned by AMVAC Chemical Corporation and used under license.
Envu and the Envu logo are trademarks owned by Environmental Science U.S., LLC or one of its affiliates.

PRODUCED FOR
Environmental Science U.S., LLC
5000 CentreGreen Way, Suite 400
Cary, NC 27513
1-800-331-2867

Specimen Label

DYLOX® 420SL

Turf and Ornamental Insecticide

ACTIVE INGREDIENT:
***Trichlorfon, Dimethyl (2,2,2-trichloro-1-hydroxy-ethyl) phosphonate 37.3%**
OTHER INGREDIENT:.....62.7%
TOTAL: 100.0%
***3.5 lb trichlorfon per gal of formulated product**
EPA Reg. No. 5481-643-101563

STOP - READ THE LABEL BEFORE USE. KEEP OUT OF REACH OF CHILDREN.

CAUTION

FIRST AID

Contains an organophosphate that inhibits cholinesterase.

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 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 on skin:** 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 the product container or label with you when calling a poison control center or doctor, or going for treatment. Note to Physician: Prolonged exposure will cause cholinesterase depression. Atropine Sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Do not take internally. Avoid contact with eyes, skin, or clothing. Do not get in eyes or on 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

This pesticide is toxic to fish and wildlife and is extremely toxic to aquatic invertebrates. Apply the product in strict accordance with label directions. For terrestrial uses, do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Protect from freezing. 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 the container is leaking or material spilled for any reason or cause, begin immediate measures to contain the liquid by use of a spill kit or absorbent clay carrier and carefully sweep material into a pile preventing runoff into drains or waterways.

Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact the Environmental Science U.S., LLC. Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Environmental Science U.S., LLC. Emergency Response Telephone No. is 1-800-424-9300.

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.

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.

Do not use container in connection with food, feed, or drinking water. Completely empty container into application equipment. Offer for recycling, if available, or 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.

Specimen Label

DPM00001170A 140918AV1

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

PULL HERE TO OPEN

GROUP 1 HERBICIDE

Acclaim® EXTRA

HERBICIDE

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

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. 000264-DEU-001**

*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 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

Net Contents
1 Pint
87271250
86702444A 160824AV3

Produced for:
Bayer Environmental Science
A Division of Bayer CropScience LP
5000 CentreGreen Way, Suite 400
Cary, NC 27513
Product of Germany

Bayer

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.

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 10 mph.
- For aerial applications, the maximum release height must be no higher than l0 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/gallon 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 to 28 fl oz/A or 0.21 to 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 to 39 fl oz/A or 0.21 to 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 spray 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	Common Name	Scientific Name
Azalea	*Rhododendron*	Holly, American	*Ilex*
Barberry	*Berbis*	Holly, Japanese	*Ilex*
Boxwood, Korean	*Buxus*	Holly, meservae	*Ilex*
Cotoneaster	*Cotoneaster*	Hydrangea	*Hydrangea*
Dogwood, flowering	*Cornus*	Juniper, Blue Rug	*Juniperus*
English Ivy	*Hedera*	Juniper, Dwarf Shore	*Juniperus*
Euonymus	*Euonymus*	Juniper, Parsonii	*Juniperus*
False Cypress	*Chamaecyparis*	Juniper, San Jose	*Juniperus*
Firethorn	*Pyracantha*	Juniper, Wiltoni	*Juniperus*
Forsythia	*Forsythia*	Magnolia	*Magnolia*
Hawthorn	*Crataegus*	Maple, Japanese	*Acer*

(continued)

DECIDUOUS AND EVERGREEN TREES AND SHRUBS *(continued)*

Common Name	Scientific Name	Common Name	Scientific Name
Maple, Red	*Acer*	Rhododendron	*Rhododendron*
Nandina	*Nandina*	Rose	*Rosa*
Oleander	*Nerium*	Viburnum	*Viburnum*
Periwinkle	*Vinca*	Weigela	*Weigela*
Photinia	*Photinia*	Willow	*Salix*
Pine, White	*Pinus*	Yew	*Taxus*
Privet	*Ligustrum*		

HERBACEOUS & FLOWERING PLANTS

Common Name	Scientific Name	Common Name	Scientific Name
African Daisy	*Osteospermum*	Garland	
Ajuga	*Ajuga*	Chrysanthemum	*Chrysanthemum*
Astilbe	*Astilbe*	Gazania	*Gazania*
Baby Blue Eyes	*Nemophila*	Geranium	*Pelargonium*
Baby's Breath	*Gypsophila*	Gilia	*Gilia*
Begonia	*Begonia*	Hosta	*Hosta*
Bellflower	*Campanula*	Iris	*Iris*
Black-Eyed Susan	*Rudbeckia*	Leopards-Bane	*Doronicum*
Bleeding Heart	*Dicentra*	Liatris	*Liatris*
Blue Bells	*Mertensia*	Lily, day	*Hemerocallis*
Blue Flax	*Lobelia*	Liriope	*Liriope*
California Poppy	*Eschscholzia*	Maiden Pinks	*Dianthus*
Candytuft	*Iberis*	Missouri Primrose	*Oenothera*
Catchfly	*Silene*	Mountain Phlox	*Phloxhera*
Chrysanthemum	*Chrysanthemum*	Peony	*Peony*
Coleus	*Coleus*	Periwinkle, annual	*Vinca*
Columbine	*Aquilegia*	Pimpernel	*Anagallis*
Coneflower, Purple	*Echinacea*	Prairie Coneflower	*Ratibida*
Coreopsis	*Coreopsis*	Red Yarrow	*Achillea*
Corn Poppy	*Papaver*	Rocket Larkspur	*Delphinium*
Cosmos	*Cosmos*	Rocky Mt. Penstemon	*Penstemon*
Creeping Zinnia	*Sanvitalia*	Roman Chamomile	*Matricaria*
Daisy, Shasta	*Chrysanthemum*	Scarlet Flax	*Linum*
Dames Rocket	*Hesperis*	Siberian Wallflower	*Erysimum*
Dwarf Columbine	*Aquilegia*	Small Burnet	*Sanguisorba*
Dwarf Cornflower	*Centaurea*	Snapdragon	*Antirrhinum*
English Wallflower	*Erysimum*	Snow-in-Summer	*Cerastium*
Forget-Me-Not	*Myosotis*	Soapwort	*Saponaria*
Forget-Me-Not	*Anchusa*	Spurred Snapdragon	*Antirrhinum*
Gaillardia	*Gaillardia*	Starflower	*Trientalis*

(continued)

HERBACEOUS & FLOWERING PLANTS *(continued)*

Common Name	Scientific Name	Common Name	Scientific Name
Statice, Annual	*Statice*	Tidy Tips	*Layia*
Sweet Alyssum	*Lobulari*	White Yarrow	*Achillea*
Sweet William	*Dianthus*	Wild Thyme	*Thymus*
Tall Primrose	*Oenothera*	Zinnia	*Zinnia*
Tall Godetia	*Godetia*		

Applications of ACCLAIM EXTRA HERBICIDE in the culture of the following ornamental plants will result in phytotoxicity:

Common Name	Scientific Name	Common Name	Scientific Name
Juniper, Barharbor	*Juniperus*	Podocarpus	*Podocarpus*
Philodendron	*Philodendron*	Pittosporum	*Pittosporum*
Salvia	*Salvia*		

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**	**Common Name**	**Scientific Name**
African Daisy	*Dimorphotheca*	Missouri Primrose	*Oenothera*
Annual Indian Blanket	*Gaillardia*	Mountain Phlox	*Phlox*
		Pimpernel	*Anagallis*
Baby Blue Eyes	*Nemophila*	Prairie Coneflower	*Ratibida*
Baby's Breath	*Gypsophila*	Purple Coneflower	*Echinace*
Birds Eyes	*Gilia*	Red Yarrow	*Achillea*
Black-Eyed Susan	*Rudbeckia*	Rocket Larkspur	*Delphinium*
Blue Bells	*Mertensia*	Rocky Mountain Penstemon	*Penstemon*
Blue Flax	*Linum*		
California Poppy	*Eschscholzia*	Roman Chamomile	*Matricaria*
Catchfly	*Silene*	Scarlet Flax	*Linum*
Cosmos	*Cosmos*	Siberian Wallflower	*Erysimum*
Creeping Zinnia	*Sanvitalia*	Small Burnet	*Sanguisorba*
Dames Rocket	*Hesperis*	Soapwort	*Saponaria*
Dwarf Columbine	*Aquilegia*	Spurred Snapdragon	*Linaria*
Dwarf Cornflower	*Centaurea*		
Dwarf Lance Leafed Coreopsis	*Coreopsis*	Starflower	*Trientalis*
		Sweet Allyssum	*Lobularia*
English Wallflower	*Cheiranthus*	Sweet Williams	*Dianthus*
Forget-Me-Not	*Anchusa*	Tall Evening Primrose	*Oenothera*
Garland Chrysanthemums	*Chrysanthemum*	Tall Godetia	*Godetia*
Gilia	*Gilia*	Tall Plains Coreopsis	*Coreopsis*
Globe Gilia	*Gilia*	Tidy Tips	*Layia*
Johnny Jump Up	*Viola*	White Yarrow	*Achillea*
Lemon Mint	*Monarda*	Wild Thyme	*Thymus*
Maiden Pinks	*Dianthus*		

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 must 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 Telar®, Escort®, or Garlon® 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

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.

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), Acclaim®, Ronstar® and Telar® are registered trademarks of Bayer.
Barricade® and Fusilade® are registered trademarks of Syngenta.
Dacthal® is a registered trademark of AMVAC Chemical Corporation.
Tupersan® is a registered trademark of Gowan Company, LLC.
Dimension®, Confront®, Garlon®, and Turflon® are registered trademarks of Dow AgroSciences LLC.

GROUP 1 HERBICIDE

Acclaim® EXTRA HERBICIDE

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

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. 000264-DEU-001**

*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 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 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.

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.

Net Contents:

1 Pint

87271250

86702444A 160824AV3

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.

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.

Bayer (reg'd), the Bayer Cross (reg'd) and Acclaim® 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

Andersons Golf Products Fertilizer 10-3-10 with Dithiopyr Turf Herbicide

This product is a herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs.

- **Utilizes DGPro® dispersible carrier.**

GUARANTEED ANALYSIS

Total Nitrogen (N)	10.00%
0.63% Ammoniacal Nitrogen	
3.85% Urea Nitrogen	
2.27% Water Insoluble Nitrogen	
3.25% Other Water Soluble Nitrogen*	
Available Phosphate (P_2O_5)	3.00%
Soluble Potash (K_2O)	10.00%
Sulfur (S)	3.40%
3.40% Combined Sulfur (S)	
Copper (Cu)	0.10%
0.02% Water Soluble Copper (Cu)	
Iron (Fe)	1.00%
0.03% Water Soluble Iron (Fe)	
Manganese (Mn)	0.10%
0.03% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.10%
0.03% Water Soluble Zinc (Zn)	

Derived from monoammonium phosphate, urea, potassium sulfate, methylene ureas, ferric oxide, ferrous sulfate, cupric oxide, cupric sulfate, manganous oxide, manganese sulfate, zinc oxide and zinc sulfate.
*3.25% Slowly available nitrogen from methylene ureas.

F002091

Information regarding the contents and levels of metals in this product is available on the internet at http://www.regulatory-info-ap.com

ACTIVE INGREDIENT:

Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester	0.164%
INERT INGREDIENTS:	99.836%
Total	100.000%

EPA Reg. No. 9198-121
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
(Underlined letter is first letter used in run code on end of bag.)

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash 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 contacts, 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 treatment advice.

If swallowed: Call a poison control center or doctor 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical 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 any manner inconsistent with its labeling. Read the entire label before using this product. Use only according to label instructions. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.
New York Use Restrictions: In New York State this product may only be used by professional applicators and at no more than 7.0 pounds per 1,000 square feet (equal to 0.5 pounds active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

GENERAL INFORMATION

This product is a herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, tee boxes and greens. This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS

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 its seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well-established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to lawns and ornamental turfs that are 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	*Warm-Season Grasses*
Bentgrass, creeping* *(Agrostis palustris)*	Bahiagrass *(Paspalum notatum)*
Bluegrass, Kentucky *(Poa pratensis)*	Bermudagrass *(Cynodon dactylon)*
Fescue, fine** *(Festuca rubra)*	Buffalograss*** *(Buchloe dactyloides)*
Fescue, tall *(Festuca arundinacea)*	Carpetgrass *(Axonopus affinis)*
Ryegrass, perennial *(Lolium perenne)*	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) varieties.

**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 recommended that use of this product be made on a trial basis initially to determine its safety under local use conditions and turf management practices before making widespread use.

Reseeding, Overseeding, or Sprigging: Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. 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.

GOLF COURSE PUTTING GREENS

Putting greens should be well-drained and managed to promote the development of deep rooting systems. The use of this product on greens without good root development may result in undesirable turfgrass injury.
For golf courses which practice overseeding putting greens consisting of seasonal turfgrasses, application of this product to overseeded greens should be made within four weeks or less before the desired transition period from the overseeded turfgrass(es) back to the established "base" turfgrass.

Avoid application of this product to golf course putting greens that are under stress.

Undesirable thinning, yellow and rapid decline of established Poa annua may occur under stress conditions. DO NOT use this product on greens that have desirable Poa annua cover where summer heat and/or other stresses to Poa annua can occur and loss of some or all of that Poa annua cover is unacceptable. Use this product where the goal is to control and/or eliminate some or all of the Poa annua and where this loss can be tolerated.

Use of this product on 'Tifgreen' (328) hybrid bermudagrass greens may result in injury. Prior to use, test on a small section of turf.

DO NOT apply this product less than 60 days before covering greens for winter protection.

Other Use Precautions: The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf 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. DO NOT apply this product until the grass has recovered from these cultural practices.
Apply this product directly to established lawns or ornamental turfs only. DO NOT apply to flowers, vegetables, shrubs, or trees.
DO NOT use clippings from treated turf for mulching around vegetables or fruit trees. Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS

TABLE 1: Recommended Application Use Rates* (Lbs. of this product/1,000 sq. ft.)

PROGRAM	1	2	3	4
USE (turfgrass cut) / REGION	Preemergence (high)	Preemergence (low) Postemergence (high)	Preemergence (low) Postemergence (low)	Golf Course Putting Green Mowing Height less than 1/4 inch**
North	2.3	2.6	3.5	3.5
Transition	2.6	3.5	5.2	3.5
South	3.5	5.2	7.0**	3.5 + 3.5
Coastal South	5.2	7.0**	7.0**	5.2 + 3.5 + 3.5

*DO NOT apply more than 7 lbs. per application, and no more than 21 lbs. per year. Postemergence control is limited; see "Crabgrass Control" section below and "Precautions" section above. Regions include areas listed below.

North: All other areas.
Transition: DE, KS, KY, MD, MO, NJ, VA, southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, NY, & RI.
South: AL, AR, AZ, CA, GA, LA, MS, NC, NM, NV, OK, SC, TN, & TX.
Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX.

**May require split or sequential applications for full control.

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 from the ground 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 from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Postemergence 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 2-4 week longer period of time 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. DO NOT apply more than 7 lbs. per 1,000 sq. ft. per application, and no more than 21 lbs. per 1,000 sq. ft. per year.

Spring Applications: For single 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 above, depending on the user's location, the turfgrass mowing height, 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 the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.

Use Program 2 for preemergence control at sites where (a) turfgrass is cut 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 at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program 3 for preemergence control at sites where (a) turfgrass is cut 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 at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired.

Where split fertilizer applications are recommended, the rates in Table 1 may be split across two applications made 6-10 weeks apart and prior to crabgrass emergence.

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. The fall application should be followed by an appropriate spring application to provide season-long control.

Tips for Improved Control: For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result. Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.

CONTROL OF OTHER GRASS AND BROADLEAF WEEDS

Spring Applications: Used as directed for crabgrass control in the spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence: barnyardgrass, bluegrass (annual, roughstalk), crowfootgrass, foxtail (yellow & green)*, goosegrass, kikuyugrass, ryegrass (annual & perennial), smutgrass, lespedeza (common), oxalis (buttercup, creeping & yellow woodsorrel), purslane (common), speedwell (corn), spurge (prostrate & spotted).
*Also controlled at the "Program 2" rates.

Fall Applications: Used as directed for late summer or early fall use, for crabgrass control through the early part of the next spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence: bluegrass (annual) - Poa Annua, bittercress, chickweed, pineappleweed, henbit, geranium (Carolina), parsley-piert, shepherdspurse.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader according to the equipment manufacturer's directions for adjusting the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

STORAGE AND DISPOSAL

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

STORAGE: Keep container closed and away from food, feedstuffs, and domestic water supplies.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide 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 DISPOSAL: Completely empty bag into application equipment. Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If not available, then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:
Read the entire Directions for Use and the Warranty Disclaimer and Limitation 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 Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:
Manufacturer 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Product of USA

Manufactured by:
The Andersons, Inc.
P.O. Box 119
Maumee, OH 43537
AndersonsPro.com

DG Pro is a registered trademark of The Andersons, Inc.

SUGGESTED SPREADER SETTINGS

These suggested spreader settings are not intended to replace calibration. Please calibrate your spreader before applying product.
50 lbs. covers 19,200 sq. ft. (0.44 acre) at the 113 lbs. product/acre - LOW RATE (2.6 lbs/1,000 sq. ft.)
50 lbs. covers 14,200 sq. ft. (0.33 acre) at the 152 lbs. product/acre - MEDIUM RATE (3.5 lbs/1,000 sq. ft.)
50 lbs. covers 9,600 sq. ft. (0.22 acre) at the 227 lbs. product/acre - HIGH RATE (5.2 lbs/1,000 sq. ft.)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS: LOW RATE 0.19 lbs. ai/A	MEDIUM RATE 0.25 lbs. ai/A	HIGH RATE 0.37 lbs. ai/A
Andersons Model 2000 / AccuPro 2000 (cone 8); Andersons 2000 SR / SR-2000 (cone 8)	3 mph	10 feet	J 1/2	K 1/2	M 1/2
Andersons SS-2 Drop	3 mph	overlap wheels	4 1/2	5	6
Scotts R-8, R-8A (cone 8)	3 mph	10 feet	I 1/2	J 1/2	L 1/2
Lesco 020093 (pattern 0.25)	3 mph	9 feet	C 1/2	D 1/2	F
Lesco 705698 (pattern 0.25)	3 mph	9 feet	9	11	14

SGN 100
Net Wt. 50 Lbs. (22.68 kg)

0 31865 31730 9

10004862

I24

DITHIOPYR	GROUP	3	HERBICIDE

Andersons Golf Products Turf Fertilizer 18-6-15 with Dithiopyr Herbicide

This product is a herbicide that provides control of listed annual grasses and broadleaf weeds in established lawns and ornamental turfs.

- **Utilizes DGPro® dispersible carrier.**

GUARANTEED ANALYSIS

Total Nitrogen (N)	18.00%
1.27% Ammoniacal Nitrogen	
6.79% Urea Nitrogen	
4.09% Water Insoluble Nitrogen	
5.85% Other Water Soluble Nitrogen*	
Available Phosphate (P_2O_5)	6.00%
Soluble Potash (K_2O)	15.00%
Sulfur (S)	5.10%
5.10% Combined Sulfur (S)	

Derived from monoammonium phosphate, urea, methylene ureas and potassium sulfate.

*5.85% slowly available nitrogen from methylene ureas.

F002091

Florida Applications:
We recommend that you follow the Florida Green Industries BMP's at:
http://www.flrules.org/Gateway/reference.asp?No=Ref-04706
We recommend that you follow the Florida Golf Course BMP's at:
http://www.flrules.org/Gateway/reference.asp?No=Ref-04702

Nitrogen Notice: For those states with nitrogen application restrictions, including but not limited to, MD, NH, NJ, PA and VA, do not apply more than 0.9 lbs of nitrogen per 1,000 sq.ft.

Phosphate Notice: 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 routine maintenance of turf. In Maryland, this product is providing nutrients 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.

ACTIVE INGREDIENTS:

Dithiopyr: 3,5-pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester	0.164%
INERT INGREDIENTS:	98.836%
Total	100.000%

EPA Reg. No. 9198-121
EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A, 9198-IN-3S
(Underlined letter is first letter used in run code on end of bag.)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
KEEP OUT OF REACH OF CHILDREN
CAUTION

Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash 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 contacts, 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 treatment advice.
If swallowed	Call a poison control center or doctor 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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical 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.

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 spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

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.

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.

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Read the entire label before using this product. Use only according to label instructions. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

New York Use Restrictions: In New York State this product may only be used by professional applicators and at no more than 7.0 pounds per 1000 square feet (equal to 0.5 pound active ingredient per acre) per year; and is prohibited from use in Nassau and Suffolk Counties.

WEED RESISTANCE MANAGEMENT:
For resistance management, Andersons Golf Products Turf Fertilizer 18-6-15 with Dithiopyr Herbicide is a Group 3 herbicide. 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 herbicide resistance take one or more of the following steps:

- Rotate the use of this product or other Group 3 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 The Andersons, Inc. at 1-800-757-8951

GENERAL INFORMATION
This product is a herbicide that provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns and ornamental turfs, including golf course fairways, roughs, and tee boxes and greens. This product will not harm nearby established ornamentals when used according to label directions.

USE PRECAUTIONS
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 its seeding, sodding, or sprigging before it can receive its first application of this product. Use of this product on lawns and ornamental turfs that are not well-established, or on those that have been weakened by weather-, pest-, disease-, chemical-, or mechanical-related stress, may increase the chances for turf injury.

This product should only be applied to lawns and ornamental turfs that are 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
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*) varieties.

**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 recommended that use of this product be made on a trial basis initially to determine its safety under local use conditions and turf management practices before making widespread use.

Reseeding, Overseeding, or Sprigging: Reseeding, overseeding, or sprigging of treated areas within 4 months after application of this product may inhibit the establishment of desirable turfgrasses. 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.

GOLF COURSE PUTTING GREENS
Putting greens should be well-drained and managed to promote the development of deep rooting systems. The use of this product on greens without good root development may result in undesirable turfgrass injury.

For golf courses which practice overseeding putting greens consisting of seasonal turfgrasses, application of this product to overseeded greens should be made within four weeks or less before the desired transition period from the overseeded turfgrasses back to the established "base" turfgrass. Avoid application of this product to golf course putting greens that are under stress.

Undesirable thinning, yellow and rapid decline of established *Poa annua* may occur under stress conditions. DO NOT use this product on greens that have desirable *Poa annua* cover where summer heat and/or other stresses to *Poa annua* can occur and loss of some or all of that *Poa annua* cover is unacceptable. Use this product where the goal is to control and/or eliminate some or all of the *Poa annua* and where this loss can be tolerated.

Use of this product on 'Tifgreen' (328) hybrid bermudagrass greens may result in injury. Prior to use, test on a small section of turf. DO NOT apply this product less than 60 days before covering greens for winter protection.

Other Use Precaution: The early postemergence crabgrass control described below is limited. Postemergence applications are only effective on crabgrass if applied before crabgrass has displayed its fifth leaf 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. DO NOT apply this product until the grass has recovered from these cultural practices.

Apply this product directly to established lawns or ornamental turfs only. DO NOT apply to flowers, vegetables, shrubs, or trees.

DO NOT use clippings from treated turf for mulching around vegetables or fruit trees.

Keep people and pets off treated areas until dust has settled.

APPLICATION DIRECTIONS

Table 1: Recommended Application Use Rates* (lbs of this product/1000 sq. ft.)

Program	1	2	3	4
USE (turfgrass cut)	Preemergence (high)	Preemergence (low) Postemergence (high)	Preemergence (low) Postemergence (high)	Golf Course Putting Green Mowing Height less than 1/4 inch**
REGION				
North	2.3	2.6	3.5	3.5
Transition	2.6	3.5	5.2	3.5
South	3.5	5.2	7.0**	3.5+3.5
Coastal South	5.2	7.0**	7.0**	5.2+3.5+3.5

*DO NOT apply more than 7 lbs.(0.5 lb ai/A) per application, and no more than 21 lbs. per year. Do not apply more than 1.5 lb ai/A of dithiopyr per year. Postemergence control is limited; see "Crabgrass Control" section below and "Precautions" section above. Regions include areas listed below.

North: All other areas
Transition: DE, KS, KY, MD, MO, NJ,VA, southeastern PA, southern areas of IL, IN, OH, & coastal areas of CT, NY, & RI
South: AL, AR,AZ,CA,GA,LA,MS,NC,NM,NV,OK,SC,TN, & TX.
Coastal South: HI, FL, & southern coastal areas of AL, GA, LA, MS, NC, SC, & TX.
**May require split or sequential application for full control.

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 from the ground 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 from the ground. However, it is often difficult to see the very small, early stages of crabgrass in well-established lawns and ornamental turfs. Postemergence 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 2-4 week longer period of time 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.

DO NOT apply more than 7 lbs. per 1000 sq. ft. per application, and no more than 21 lbs. per 1000 sq. ft. per year. Do not apply more than 1.5 lb ai/A of dithiopyr per year. Maximum single application rate at 0.5 lb a.i./A.

Spring Applications: For single 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 above, depending on the user's location, the turfgrass mowing height, 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 the turfgrass is cut high (e.g., homeowner lawns). This program provides 3-5 months of preemergence crabgrass control. This program should not be used for early postemergence crabgrass control.

Use Program 2 for preemergence control at sites where (a) turfgrass is cut 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 at sites where turfgrass is cut high (e.g., homeowner lawns).

Use Program 3 for preemergence control at sites where (a) turfgrass is cut 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 at sites where turfgrass is cut low (e.g., golf fairways).

Subsequent, sequential pre- and/or postemergence applications should be made where longer periods of control are desired.

Where split fertilizer applications are recommended, the rates in Table 1 may be split across two applications made 6-10 weeks apart and prior to crabgrass emergence.

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. The fall application should be followed by an appropriate spring application to provide season-long control.

Tips for Improved Control: For best results, apply this product within a few days after mowing and delay mowing again for a few days after the application. When treated lawn or ornamental turf areas are watered or receive significant rainfall within a few days after application of this product, improved weed control may result. Use of split (half-rate) applications spaced 6-8 weeks apart may provide improved weed control.

CONTROL OF OTHER GRASS AND BROADLEAF WEEDS
Spring Applications: Used as directed for crabgrass control in the spring, this product will also control (at the "Program 3" rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence: barnyardgrass, bluegrass (annual, roughstalk), crowfootgrass, foxtail (yellow & green)*, goosegrass, kikuyugrass, ryegrass (annual & perennial), smutgrass, lespedeza (common), oxalis (buttercup, creeping & yellow woodsorrel), purslane (common), speedwell (corn), spurge (prostrate & spotted).

*Also controlled at the "Program 2" rates.

Fall Applications: Used as directed for late summer or early fall use, for crabgrass control through the early part of the next spring, this product will also control (at the "Program 3 rates) or suppress (at the "Program 2" rates) the following weeds when applied prior to their emergence: bluegrass (annual) -*Poa annua*, bittercress, chickweed, henbit, geranium (Carolina), parsley-piert, pineappleweed, shepherdspurse.

APPLICATION EQUIPMENT AND INSTRUCTIONS
Apply this product with drop or rotary-type spreaders designed to apply granular herbicides. Avoid the use of spreaders that would apply this product in narrow rows or concentrated bands. Before each application, calibrate the spreader settings such that the spreader delivers the appropriate application rate recommended above. Apply this product uniformly over the lawn or ornamental turf area. A more uniform application can be made by spreading half of the required amount over the area and then applying the remaining half at a right angle to the previous direction. Avoid streaking, skips, or overlaps during application. Check equipment frequently to ensure equipment is functioning properly and applying uniform distribution of granules.

SUGGESTED SPREADER SETTINGS
These suggested spreader settings are not intended to replace calibration.
Please calibrate your spreader before applying product.
50 lbs. covers 19,200 sq. ft. (0.44 acre) at the 113 lbs. product/acre – LOW RATE (2.6 lbs/1,000 sq. ft.)
50 lbs. covers 14,200 sq. ft. (0.33 acre) at the 152 lbs. product/acre – MEDIUM RATE (3.5 lbs/1,000 sq. ft.)
50 lbs. covers 9,600 sq. ft. (0.22 acre) at the 227 lbs. product/acre – HIGH RATE (5.2 lbs/1,000 sq. ft.)

SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS: LOW RATE 0.19 lbs. ai/A	MEDIUM RATE 0.25 lbs. ai/A	HIGH RATE 0.37 lbs. ai/A
Andersons Model 2000 /AccuPro 2000 (cone 8); Andersons 2000 SR / SR-2000 (cone 8)	3 mph	10 feet	J 1/4	K 1/4	L 1/2
Andersons SSD / SS-2 Drop	3 mph	overlap wheels	3 1/4	3 3/4	4 3/4
Scotts R-8, R-8A (cone 8)	3 mph	10 feet	H 1/2	I 1/2	K 1/4
Lesco 020093 (pattern 0.0)	3 mph	8 feet	C 1/2	D	E
Lesco 705698 (pattern 0.0)	3 mph	8 feet	9	10	12

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage and disposal.
STORAGE: Keep container closed and away from foods, feedstuff, and domestic water supplies.
PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide 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 DISPOSAL: Completely empty bag into application equipment. Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If not available, then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State or local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:
Read the entire Directions for Use and the Warranty Disclaimer and Limitation 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 Warranty Disclaimer and Limitation of Liability:

WARRANTY DISCLAIMER and LIMITATION of LIABILITY:
Manufacturer 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. To the extent consistent with applicable law, it is Manufacturer's intent to LIMIT ANY LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's choice. To the extent consistent with applicable law, Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:
THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

Product of USA

Manufactured by:
The Andersons, Inc.
P.O. Box 119
Maumee, OH 43537
AndersonsPro.com

The Andersons logo and DG Pro are registered trademarks of The Andersons, Inc.

SGN 100
Net Wt. 50 Lbs. (22.68 kg)

0 31865 31733 0
10010045
A25



Anuew® EZ

PLANT GROWTH REGULATOR

ACTIVE INGREDIENT:

Prohexadione calcium [calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate]	10.0%
OTHER INGREDIENTS:	90.0%
TOTAL:	100.0%

Contains 0.98 lb. Prohexadione calcium per gallon

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 INSIDE BOOKLET FOR FIRST AID, PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

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

EPA REG. NO. 1001-92

Manufactured for
Cleary Chemicals, LLC
11901 S. Austin Ave.
Alsip, IL 60803

Nufarm
Grow a better tomorrow

1 91662 01574 4

Net Contents
2.5 Gal.
(9.46 L)
Nonrefillable Container

15841000

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.
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

Harmful if absorbed through the 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 barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene or polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils.
- Shoes plus socks

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 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

User 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

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 or rinsate.

PHYSICAL AND CHEMICAL HAZARDS

DO NOT mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

ENDANGERED SPECIES CONCERNS
The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of Federal Law.

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, including plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyethylene or polyvinyl chloride ≥ 14 mils, or viton ≥ 14 mils.
- 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 footwear until sprays have 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.

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed.

PRODUCT INFORMATION

ANUEW® EZ is a tool for plant growth management. It works by inhibiting late stage biosynthesis of gibberellin, resulting in a decrease in cell elongation, a slowing of vertical growth, and an improvement in plant physiology leading to plant health and stress tolerance.

Turf: In turfgrass inhibiting late stage biosynthesis of gibberellin results in a reduction of both the mowing frequency and the amount of grass clippings in the treated area. ANUEW EZ reduces clippings within 2-5 days depending on species. The turfgrass treated with ANUEW EZ grows in a more compact form, often resulting in the enhancement of its color and quality. ANUEW EZ is active through foliar uptake and is not taken up by the plant from the soil therefore, when applying it is important to use enough spray volume to thoroughly wet the turfgrass leaves without significant runoff. A non-ionic spreader to spread spray droplets may be used to assure effective spray coverage. Due to rapid foliar absorption, ANUEW EZ is rainfast within 1-4 hours. ANUEW EZ is most effective when used on actively growing, well-maintained turf. The risk of scalping may be reduced on turfgrass areas treated with ANUEW EZ. It can be applied to golf course fairways, tees, greens and roughs, residential and commercial lawns, sod farms, sports fields, cemeteries, and municipal sites.

NOTICE TO USER: Turf tolerance to ANUEW EZ has been found to be acceptable for the turf species listed on this label. Due to the large number of species, cultivars and growing situations it is impossible to test every one for tolerance efficacy and plant safety to ANUEW EZ. Neither the manufacturer nor the seller has determined whether or not ANUEW EZ can be used safely on turf species not specified on this label. For these turf species the professional user may determine if ANUEW EZ can be utilized effectively and safely prior to large scale commercial use. Before using ANUEW EZ on turf species not listed on this label test ANUEW EZ on a small scale first. Start with the lowest directed rate and evaluate the treated turf for plant safety and effective growth regulation prior to widespread use.

RESTRICTIONS

- **DO NOT** use on food crops.
- **DO NOT** apply ANUEW EZ through any irrigation/chemigation system.
- **DO NOT** apply more than 19.1 gallons (18.7 lb. ai) of ANUEW EZ per acre or 56.1 fl. oz. (0.43 lb.ai) per 1000 square feet per year.
- **DO NOT** apply more than 54 fl. oz. (0.41 lb. ai) of ANUEW EZ per acre or 1.2 fl. oz. (0.009 lb. ai) per 1000 square feet in a single application.
- **DO NOT** make more than 47 applications per year.
- Minimum retreatment: 7 days
- **DO NOT** graze treated areas or feed clippings to livestock.
- **DO NOT** apply ANUEW EZ to grass grown for seed.

PRECAUTIONS

- Under certain environmental conditions and growth stage conditions on annual bluegrass (*Poa annua*), a transient foliar chlorosis or bronzing may be observed. For optimal results apply to healthy actively growing turfgrass.
- ANUEW EZ may be used on sodded or sprigged turf after it has knitted down and rooted firmly.

DIRECTIONS FOR USE / APPLICATION METHODS FOR TURFGRASS

ANUEW® EZ may be applied with all types of spray equipment used for ground applications, including properly calibrated boom sprayers, boomless nozzles, spray guns, hand-helds, backpack, mechanical, or motorized spray equipment. Removable chemical extraction probes (also known as "stingers") used in suction/extraction systems must be rinsed within the pesticide container prior to removal.

Apply ANUEW EZ using 1-4 week intervals based upon turf species, turf growth as influenced by weather conditions, and management to achieve the desired level of growth regulation and playing conditions. See the ANUEW EZ Application Rates Table for product use and application rates, which can be used for growth management and turfgrass color and quality enhancement.

For increased and longer growth suppression, when temporary discoloration can be tolerated, a maximum of twice the ANUEW EZ rate from the Application Rates Table may be applied.

ANUEW EZ performance can be affected by many factors, including environmental conditions, turf vigor and growth stage, soil moisture, fertility levels, and other cultural practices that affect plant growth.

Application Timing:
Apply ANUEW EZ when the turf is green and actively growing. Delay the application or use a lower rate of ANUEW EZ as designated in the ANUEW EZ Application Rates Table if the turf is entering stressful growing conditions, including pest pressure, high temperatures, low moisture conditions or certain cultural practices including, but not limited to, aerification or verticutting. Repeat applications of ANUEW EZ may be made as noted in the ANUEW EZ Application Rates Table.

Environmental and management conditions can influence turf growth and the potential for uneven regulation. Rapid periods of rebound-growth can be manage by utilizing Growing Degree Day [GDD] modeling based upon climatic conditions at your site. Research has shown that GDD models can be used for re-application timings for common golf situations to assure even turf regulation and to avoid rebound growth.

Spray Preparation:
Apply ANUEW EZ in a sufficient volume of water to provide uniform and complete wetting of the turfgrass foliage. 0.25 to 5 gallons water/1,000 sq ft may be used, however, for best results 1-2 gallon water/1,000 sq. ft. is advised.

Adjuvants: Use of a non-ionic surfactant in the spray mixture may improve coverage of the turf foliage and product performance consistency. Follow the manufacturer's label rate specification.

Hard Water: If the water source used for the spray mixture is high (greater than 140 ppm or 140 mg/l) in calcium, add 1 lb. of ammonium sulfate for every pint of ANUEW EZ used in the spray tank. Use a high quality, spray-grade ammonium sulfate product to avoid nozzle plugging.

Compatibility Test for Tank Mix: All possible tank mixes have not been evaluated for safety and/or physical compatibility. Tank mix user assumes all risk.
A jar test can be used to evaluate the physical compatibility of components to be mixed in a spray tank with ANUEW EZ before making an application. Use a clear glass quart jar with lid by mixing components in the order shown below under "Mixing Order" in the same relative proportions as it will be used in the spray tank. Cap the jar and invert 10 cycles after adding each component. After all ingredients have been added, let the mixture stand for 15 minutes. Visually, evaluate the suspension for uniformity and stability. The spray mixture must not have particles that precipitate to the bottom of the jar, nor have any oily films or layers visible at the surface, nor contain flakes, balls, or sludge-appearing particles. If the spray mixture doesn't stay uniform in appearance, it is not compatible, and the combination must not be used in a tank mix.

Mixing Order:
- **Water -** Fill a clean spray tank half full with water and begin continuous agitation.
- **Products in PVA bags -** Place any product contained in water-soluble PVA bags (VVSB) into the mixing tank. Wait until all water-soluble bags have fully dissolved and the product is evenly mixed in the spray tank before adding any further products.
- **ANUEW EZ and water-dispersible products** (WDG; DF), **wettable powders** (WP), and **suspension concentrates** (SC) - Add to the spray tank while maintaining agitation
- **Adjuvants -** Includes non-ionic surfactants
- **Water-soluble products -** Includes micro emulsion products
- **Emulsifiable concentrates** (EC)
- **Water-soluble additives** (S)
- **Remaining quantity of water**

Agitate spray tank mixture constantly during application. Prepare sufficient quantity of product for the immediate application needs. The spray tank mix must not be allowed to sit for prolonged periods without agitation. DO NOT leave product mix in the tank overnight.

Calcium or boron-containing products must not be added to the spray mixture in excess of 140 ppm concentration. Consider hardness of source water as well for these additions. These products will reduce the activity of ANUEW EZ.

Irrigation after application: Do not irrigate treated area for 4 hours application.

Program Scheduling: Turfgrass areas treated with ANUEW EZ must continue to be maintained normally using proper irrigation, fertility, and pest control product(s) when necessary. Precaution is advised when tank mixing with ANUEW EZ. The spray mixture must be applied on a small area first as a test before treating larger areas.

Conditions and Practices for Best Performance of ANUEW® EZ:

- Treated turfgrass is actively growing.
- Use a non-ionic surfactant to help improve leaf coverage and plant uptake of the active ingredient.
- Maximize the time the applied spray mixture remains as a moist film on the turfgrass foliage by avoiding treatments during warm, low humidity, and windy conditions. Longer drying times enhance absorption of ANUEW EZ.

TABLE 1: ANUEW EZ APPLICATION RATES USING CALENDAR OR GDD MODELING TURF USES EXCEPT CALIFORNIA

	Slows Vertical Growth, Reduces Mowing Intervals, Improves Color and Quality			
	FAIRWAYS AND HIGHER CUT TURF		**GREENS AND TEES**	
	fl. oz./acre	**fl. oz./1,000 sq. ft.**	**fl. oz./acre**	**fl. oz./1,000 sq. ft.**
Warm Season Turf				
Common and Hybrid Bermudagrass cultivars including 419, Tifway, TifSport, TifEagle, TifGreen, Champion, MiniVerde, and Riviera	18-54 (0.14-0.41 lb. ai)	0.4 – 1.2 (0.003-0.009 lb. ai)	18-36 (0.14-0.28 lb. ai)	0.4 – 0.8 (0.003-0.006 lb. ai)
Zoysiagrass cultivars including Empire, Zenith, Emerald, El Toro and Meyer St. Augustine sp. Paspalum sp. Kikuyugrass sp.	18-54 (0.14-0.41 lb. ai)	0.4 – 1.2 (0.003-0.009 lb. ai)		
Cool Season Turf				
Bentgrass cultivars including: L-93, Penn A4, Penn G2, Pennlinks, Penneagle, Southshore, Declaration, Independence and SR series	9-27 (0.07-0.21 lb. ai)	0.2 – 0.6 (0.002-0.005 lb. ai)	4.5-18 (0.03-0.14 lb. ai)	0.1 – 0.4 (0.0008-0.003 lb. ai)
Annual and Perennial *Poa annua* cultivars, *Poa trivialis*	2.2 - 18 (0.02-0.14 lb. ai)	0.05 – 0.4 (0.0004-0.003 lb. ai)	2.2 – 18 (0.02-0.14 lb. ai)	0.05 – 0.4 (0.0004-0.003 lb. ai)
Kentucky bluegrass cultivars including Midnight, Odyssey, Merion	18-36 (0.14-0.28 lb. ai)	0.4 – 0.8 (0.003-0.006 lb. ai)		
Perennial ryegrass cultivars including Manhattan IV Tall Fescues Fine Fescue	18-36 (0.14-0.28 lb. ai)	0.4 – 0.8 (0.003-0.006 lb. ai)		

TABLE 2: ANUEW® EZ GROWING DEGREE DAY [GDD*] VALUES TURF USES EXCEPT CALIFORNIA			
Common	Scientific	Greens	Fairway
Cool Season Turf		Duration [GDD]	Duration [GDD]
Annual bluegrass	*Poa annua*	250 - 280	280 - 330
Kentucky bluegrass	*Poa pratensis*		280 - 310
Bentgrass	*Agrostis* spp.	260 - 280	350 - 380
Ryegrass	*Lolium* spp.		280 - 310
Warm Season Turf			
Bermudagrass	*Cynodon* spp.	125	180 - 225
Zoysiagrass	*Zoysia* spp.	300	400 - 450
Bahiagrass	*Paspalum notatum*		180 - 225
Kikuyugrass	*Pennisetum clandestinum*		290

*GDDs for cool season turfgrass species are calculated in Celsius with a base of 0°C while GDDs for warm season turfgrass species are calculated in Celsius with a base of 10°C.

TABLE 3: FOR OVERSEEDING ENHANCMENT IN BERMUDAGRASS TURF USES EXCEPT CALIFORNIA			
Turf Type	**fl. oz./acre**	**Application Interval**	**Notes**
Common and Hybrid Bermudagrass cultivars including 419, Tifway, TifSport, TifEagle, TifGreen, MiniVerde, Riviera, Yukon	2.2 - 4.5 (0.02-0.03 lb. ai)	Apply ANUEW EZ once 3-5 days prior to seeding. Any preparation of the site, including verticutting, spiking, or scalping, must be done 1-2 days after application of ANUEW EZ.	ANUEW EZ is a foliar-active product; therefore, germination and seedling growth of the overseeding are not affected when used as directed. Use good cultural practices in conjunction with this product, including fertilization and irrigation, to optimize results. Some temporary yellowing of the bermudagrass turf may be observed, however, this will not affect the overseeding.

TABLE 4: FOR GROWTH MANAGEMENT AND COLOR AND QUALITY ENHANCEMENT ON TURF GROWN FOR SOD TURF USES EXCEPT CALIFORNIA			
Turf Type	**fl. oz./acre**	**Application Interval**	**Notes**
Warm Season Turf including, but not limited to, Bermudagrass, St. Augustine, etc.	27-54 (0.21-0.41 lb. ai)	2 - 4 week interval	Since turfgrass response can be influenced by a variety of factors, it is advised that the initial evaluation of ANUEW EZ must be limited to a small area. The acceptability of the turfgrass response must be determined using a lower use rate and shorter interval before gradually moving to higher rates and longer intervals.
Cool Season Turf including, but not limited to, Kentucky bluegrass, perennial ryegrass, fescues	18-36 (0.14-0.28 lb. ai)	2 - 4 week interval	

TABLE 5: ANUEW EZ APPLICATION RATES TURF USES IN CALIFORNIA		
	Slows Vertical Growth	
	FAIRWAYS, ROUGHS	
	fl. oz./acre	**fl. oz./1,000 sq. ft.**
Warm Season Turf		
Common and Hybrid Bermudagrass	27-54 (0.21-0.41 lb. ai)	0.6 – 1.2 (0.005-0.009 lb. ai)
Kikuyugrass sp.	27 (0.21 lb. ai)	0.6 (0.005 lb. ai)

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 specified 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 must remain level with the crop and have a 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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in in a cool, dry place. DO NOT remove the product from the container except for immediate use.

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:

NOTE: This product is available in multiple containers. Refer to the Net Contents section of this products labeling for the applicable "No refillable" or "Refillable" designation. Follow the container handling instructions below that apply to your container type / size.

Non-refillable Plastic Containers 5 Gallons or Less: 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 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, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Non-refillable Plastic Containers Larger than 5 Gallons: Non-refillable container. DO NOT reuse or refill this container. Offer for recycling if available. 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. 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 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 Plastic Containers Larger 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 the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two 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.

Refillable Plastic Container: Refill this container with pesticide only. DO NOT reuse this container for any other purpose. Close all openings and replace all caps. Contact Nufarm's Customer Service Department at 1-800-345-3330 to arrange for return of the empty refillable container.

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 Cleary Chemicals, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer and User.

Cleary Chemicals, LLC 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, CLEARY CHEMICALS, LLC 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, CLEARY CHEMICALS, LLC'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 CLEARY CHEMICALS, LLC'S SOLE DISCRETION.

RV032023

ANUEW is a registered trademark of Nufarm Americas Inc.

All other trademarks are the property of their respective owners.

Anuew® EZ

PLANT GROWTH REGULATOR

ACTIVE INGREDIENT:

Prohexadione calcium
[calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate]..... 10.0%
OTHER INGREDIENTS:..... 90.0%
TOTAL:..... 100.0%

Contains 0.98 lb. Prohexadione calcium per gallon

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 INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through the 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.

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.

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.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in in a cool, dry place. DO NOT remove the product from the container except for immediate use.

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:

NOTE: This product is available in multiple containers. Refer to the Net Contents section of this products labeling for the applicable "No refillable" or "Refillable" designation. Follow the container handling instructions below that apply to your container type / size.

Non-refillable Plastic Containers 5 Gallons or Less: 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 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, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Non-refillable Plastic Containers Larger than 5 Gallons: Non-refillable container. DO NOT reuse or refill this container. Offer for recycling if available. 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. 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 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 Plastic Containers Larger 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 the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two 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.

Refillable Plastic Container: Refill this container with pesticide only. DO NOT reuse this container for any other purpose. Close all openings and replace all caps. Contact Nufarm's Customer Service Department at 1-800-345-3330 to arrange for return of the empty refillable container.

EPA REG. NO. 1001-92

Net Contents: 2.5 Gal (9.46 L)

Manufactured for Cleary Chemicals, LLC
11901 S. Austin Avenue | Alsip, IL 60803

PULL HERE TO OPEN

RV032023[1]B

TRITICONAZOLE	GROUP	3	FUNGICIDE
PYRACLOSTROBIN	GROUP	11	FUNGICIDE

Aramax™

Intrinsic® Brand Fungicide

For disease control and plant health in turfgrass

Active Ingredients*:

triticonazole: (1RS)-(E)-5-[(4-chlorophenyl)methylene]-2, 2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol	17.95%
pyraclostrobin: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester)	15.80%
Other Ingredients:	66.25%
Total:	100.00%

* **Aramax™ Intrinsic® brand fungicide** contains 1.67 lbs triticonazole and 1.47 lbs pyraclostrobin per gallon.

EPA Reg. No. 7969-488

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 this 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 emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents:

BASF Agricultural Solutions US LLC
2 TW Alexander Drive
Research Triangle Park, NC 27713

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 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.
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.
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 Agricultural Solutions US LLC (hereafter "BASF") for emergency medical treatment information: 1-800-832-HELP (4357).	

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING. May be fatal if swallowed. Harmful if inhaled. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid breathing (dust, vapor or spray mist). Remove and wash contaminated clothing before reuse. **Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.**

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof or chemical-resistant gloves (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils)
- Shoes plus socks

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 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 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. 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

Pyraclostrobin is known to leach through soil into groundwater under certain conditions as a result of label use. Both triticonazole and pyraclostrobin 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 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 including ponds, streams, and springs will reduce the potential loading of triticonazole, pyraclostrobin, and their degradates 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 contribution to surface water contamination.

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 label. Use strictly in accordance with precautionary statements and directions and with applicable state and federal regulations.

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), 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 (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils)
- 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, nurseries, or greenhouses.

DO NOT enter or allow others to enter treated areas until sprays have dried.

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.

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.

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.

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

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 spillage regarding this product, call:

- CHEMTREC 1-800-424-9300
- BASF 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 1-800-832-HELP (4357)

Steps to be taken in case this 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

Aramax™ Intrinsic® brand fungicide is a broad-spectrum suspension concentrate fungicide containing the active ingredients triticonazole and pyraclostrobin for use in turfgrass.

For optimum disease control, apply **Aramax Intrinsic** in a regularly scheduled protective spray program and use in a rotation program with **non-Group 3** and **non-Group 11** fungicides.

Preventive applications of **Aramax Intrinsic** optimize disease control, resulting in improved plant health.

Modes of Action

Each of the components in **Aramax Intrinsic** provides a different mode of action against plant pathogenic fungi.

Triticonazole 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.

Pyraclostrobin belongs to the group of respiration inhibitors classified by the US EPA and Canada PMRA as quinone outside inhibitors (QoI) and classified by FRAC as **Group 11** fungicides.

Resistance Management

For resistance management, please note that **Aramax Intrinsic** contains both a **Group 3** (triticonazole) and **Group 11** (pyraclostrobin) fungicide. Any fungal population may contain individuals naturally resistant to **Aramax Intrinsic** and other **Group 3** or **Group 11** fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same treatment area. Follow appropriate resistance management strategies.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **Aramax Intrinsic** or other **Group 3** or **Group 11** fungicides 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 considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, and cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications.

- Monitor treatment area for lack of 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)** guidelines 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 (fairways, roughs, tees, and greens)

Application Instructions

- Begin **Aramax™ Intrinsic® brand fungicide** applications preventively (before onset or in the early stages of disease) and continue throughout the season following specified intervals and resistance management guidelines.
- Make applications of **Aramax Intrinsic** under favorable turfgrass growing conditions. Application of **Aramax Intrinsic** to turfgrass under high stress is not advised.
- Use shorter specified interval 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 **Aramax Intrinsic**.
- Before large-scale use, apply the specified rate of **Aramax Intrinsic** on a small test area under expected growing conditions. Monitor for turfgrass injury for 14 days after application.
- Tolerant turfgrass species are as follows:

  - Bentgrass, colonial
  - Bentgrass, creeping
  - Bermudagrass, common
  - Bermudagrass, hybrid
  - Bluegrass, annual *(Poa annua)*
  - Bluegrass, Kentucky
  - Bluegrass, rough *(Poa trivialis)*
  - Buffalograss
  - Centipedegrass
  - Dichondra
  - Fescue, fine
  - Fescue, tall
  - Kikuyugrass
  - Paspalum, seashore
  - Ryegrass, annual
  - Ryegrass, perennial
  - St. Augustinegrass
  - Zoysiagrass

Use Rate Conversion			
	fl ozs product	**lb triticonazole**	**lb pyraclostrobin**
per 1000 sq ft	1	0.011	0.013
per acre	43.6	0.57	0.50

Restrictions

- **DO NOT** apply by aerial equipment.
- **DO NOT** apply through any type of irrigation equipment.
- Refer to **Table 1. Aramax™ Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass** for maximum seasonal use rate and sequential application intervals.

Ground Application

- **Aramax Intrinsic** may be applied by ground sprayers including tractor groundboom, backpack/handboom, handwand, etc.
- Use the application rates specified for each disease as listed in **Table 1. Aramax™ Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass**.
- Apply **Aramax Intrinsic** in 2 to 4 gallons of water per 1000 square feet (87 to 174 gallons per acre) unless higher spray volumes are specified for the disease. See **Table 2. Aramax™ Intrinsic® brand fungicide Dilution Spray Solutions on Turfgrass** for equivalent spray dilutions (fl ozs/100 gallons spray solution) to achieve rates specified in **Table 1. Aramax™ Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass**.

MANDATORY SPRAY DRIFT MANAGEMENT

Ground Boom 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 select nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572).
- **DO NOT** apply when wind speeds exceed 15 mph hour at the application site.
- **DO NOT** apply during temperature inversions.

Spray Drift Management

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

DO NOT apply when conditions favor drift beyond the intended (target) application area. Considerations and measures for reducing drift include:

1. **Droplet size.** Use the largest droplets that provide target pest control. Droplet size can be controlled with:

   Volume: increasing the spray volume will reduce drift by producing larger droplets. Use the highest practical spray volume for the application.
   Pressure: use the lowest spray pressure specified 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.

2. **Boom height or nozzle height.** For ground equipment, the boom should remain level with the crop and have minimal bounce. For boomless ground applications, setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

3. **Shielded sprayers.** Consider using shielded booms or individual nozzles to reduce drift. Verify that the shields are not interfering with the uniform deposition of spray on the target area.

4. **Temperature and humidity.** Use caution when making applications in hot and dry conditions, which are favorable for drift. Use larger droplets to reduce effects of evaporation.

5. **Temperature inversions. DO NOT apply during a temperature inversion. Consult local weather services before applying if conditions are favorable for inversion.** 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.

6. **Wind. DO NOT apply if wind speed is 15 mph or more. DO NOT apply if winds are gusty.** Apply only when the potential for drift to adjacent sensitive areas (e.g. bodies of water or nontarget crops) is minimal and when wind is blowing away from sensitive areas. Applicators need to be familiar with local wind patterns and terrain that could affect 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.

Aramax™ Intrinsic® brand fungicide can be tank mixed with other fungicides, herbicides, insecticides, 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 **Aramax Intrinsic** with other products.

Mixing partners (products including stickers, extenders, wetting agents, spray adjuvants) are typically not necessary for use with **Aramax Intrinsic**; however, when such products are used, ensure they are labeled for use on turfgrass. When an adjuvant is used with this product, BASF advises the use of a Chemical Producers and Distributers Association certified adjuvant. Consult a BASF representative or local turfgrass authority for more information on use of additives or adjuvants with this product.

The use of 100% formulated organosilicone products has been shown to be injurious; however, commercial blends may be safe under grower conditions. Test the product combination on a sample of the plants to be treated to ensure a phytotoxic response will not occur before large-scale use.

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 **Aramax™ Intrinsic® brand fungicide**, or suspo-emulsions)
   - **Containers 5 Gallons or Less:** Shake well before adding to the tank.
5. **Water-soluble products**
6. **Emulsifiable concentrates** (for example, oil concentrates when applicable)
7. **Water-soluble additives** [including ammonium sulfate (AMS) or urea ammonium nitrate (UAN) when applicable]
8. **Remaining quantity of water**

Table 1. Aramax™ Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass

For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases (e.g. fairy ring, large patch, Pythium root dysfunction, summer patch, take-all root rot of warm-season turf, and take-all patch).

Disease *Pathogen*	**Rate** (fl ozs product)		**Application Interval** (days)	**Application Information**
	per 1000 sq ft	per acre		
Anthracnose *Colletotrichum graminicola*	1.0	43.6	14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Bentgrass dead spot *Ophiosphaerella agrostis*			14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Brown patch *Rhizoctonia solani*			14 to 28	Apply when conditions are favorable for disease development.
Brown ring patch (formerly known as Waitea patch) *Rhizoctonia circinata* var. *circinata*			14 to 28	Provide short irrigation cycle directly following treatment to move fungicide through thatch.
Dollar spot *Clarireedia* spp.			14 to 28	Apply when conditions are favorable for disease development.
Fairy ring various Basidiomycete fungi			14 to 28	Apply in the spring when soil temperatures are consistently above 55° F. Use of soil wetting agent program can improve product movement downward and into contact with Basidiomycete fungi. For optimum results, apply a soil wetting agent to the intended treatment area prior to **Aramax Intrinsic** application.
Fusarium patch (Pink snow mold) *Microdochium nivale*			28	Make 1 application in late fall just prior to snow cover. For optimum control under severe disease pressure, make a sequential application of **Aramax Intrinsic**.
Gray leaf spot *Pyricularia grisea*			14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Gray snow mold/ Typhula blight *Typhula* spp.			28	Make 1 application in late fall just prior to snow cover. For optimum control under severe disease pressure, make a sequential application of **Aramax Intrinsic**.
Large patch/Zoysia patch *Rhizoctonia solani* AG2-2LP			14 to 28	Make 2 applications in the fall when conditions are favorable for disease development, repeat in spring with 1 to 2 applications prior to and following greenup.
Leaf spot *Bipolaris* spp., *Dreschlera* spp., *Exserohilum* spp.			14 to 28	Apply when conditions are favorable for disease development.
Melting out *Drechslera poae*			14 to 28	Apply when conditions are favorable for disease development.

(continued)

Table 1. Aramax™ Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass *(continued)*

For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases (e.g. fairy ring, large patch, Pythium root dysfunction, summer patch, take-all root rot of warm-season turf, and take-all patch).

Disease *Pathogen*	**Rate** (fl ozs product)		**Application Interval** (days)	**Application Information**
	per 1000 sq ft	per acre		
Necrotic ring spot *Leptosphaeria korrae*	1.0	43.6	28	Apply when soil temperatures reach 60° F in early spring to summer and continue at 28-day intervals under conditions favorable for disease development. Provide additional irrigation following application.
Pink patch *Limonomyces roseipellis*			14 to 28	Apply when conditions are favorable for disease development, when night temperatures are 60° F to 70° F, and in periods of higher rainfall.
Pink snow mold (Fusarium patch) *Microdochium nivale*			28	Make 1 application in late fall just prior to snow cover. For optimum control under severe disease pressure, make a sequential application of **Aramax Intrinsic**.
Powdery mildew *Blumeria graminis*			14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.
Pythium blight *Pythium aphanidermatum*, *Pythium* spp.			14	Use preventively. Begin applications when conditions are favorable for infection, normally under prolonged moist and humid conditions. Apply prior to disease symptom development.
Pythium root dysfunction *Pythium volutum* spp., *Pythium* spp.			14	Use preventively. Begin applications when conditions are favorable for infection, prior to disease symptom development.
Rapid blight *Labyrinthula terrestris*			14 to 28	Apply when conditions are favorable for disease development.
Red thread *Laetisaria fuciformis*			14 to 28	Apply when conditions are favorable for disease development.
Rhizoctonia leaf and sheath spot (Mini ring) *Rhizoctonia oryzae*, *R. zeae*			28	Apply when conditions are favorable for disease development.
Rust *Puccinia* spp.			14 to 28	Apply when conditions are favorable for disease development.
Summer patch *Magnaportheopsis poae*			28	Initiate applications in spring when soil temperatures reach 60° F to 70° F at a 2-inch soil depth, or as dictated by local guidelines. Repeat application at 28-day intervals.
Take-all patch *Gaeumannomyces graminis* var. *avenae*			28	Begin applications when conditions are favorable for fungal infection, prior to disease symptom development. Make 2 applications in the fall and subsequent applications in spring depending on local conditions.

(continued)

Table 1. Aramax™ Intrinsic® brand fungicide Application Rates and Intervals on Turfgrass *(continued)*

For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases (e.g. fairy ring, large patch, Pythium root dysfunction, summer patch, take-all root rot of warm-season turf, and take-all patch).

Disease *Pathogen*	**Rate** (fl ozs product)		**Application Interval** (days)	**Application Information**
	per 1000 sq ft	per acre		
Take-all root rot of warm season turf *Gaeumannomyces graminis* var. *graminis*	1.0	43.6	28	Begin applications when conditions are favorable for fungal infection, prior to disease symptom development. Make 2 applications in the fall and subsequent applications in spring depending on local conditions.
Yellow tuft (Downy mildew) *Sclerophthora macrospora*			14 to 28	Use preventively. Begin applications when conditions are favorable for fungal infection, prior to disease symptom development.

- **DO NOT** apply more than 43.6 fl ozs (0.57 lb triticonazole, 0.50 lb pyraclostrobin) per application per acre (1.0 fl oz per 1000 sq ft).
- **DO NOT** apply more than two sequential applications of **Aramax Intrinsic** before alternating to a **non-Group 3** and **non-Group 11** fungicide, unless otherwise specified.
- The minimum re-treatment interval is 14 days.
- **DO NOT** make more than 5 applications per acre per year.
- **DO NOT** apply more than 218 fl ozs (2.843 lbs triticonazole, 2.502 lbs pyraclostrobin) per acre per year (5 fl ozs per 1000 sq ft).

Table 2. Aramax™ Intrinsic® brand fungicide Dilution Spray Solutions on Turfgrass

Use Rate (fl oz product/ 1000 sq ft)	**To obtain 2 gallons/1000 sq ft spray volume:**	**To obtain 3 gallons/1000 sq ft spray volume:**	**To obtain 4 gallons/1000 sq ft spray volume:**
	(fl ozs product/100 gallons spray solution)		
1.0	50.0	33.33	25.0

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. Crop 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 Agricultural Solutions US LLC ("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. 1108

Aramax *is a trademark of BASF.*

Intrinsic *is a registered trademark of BASF.*

© 2024 BASF Agricultural Solutions US LLC
All rights reserved.

007969-00488.20240826.**NVA 2024-04-0672-0150**
Based on: NVA 2022-04-0672-0136
Supersedes: NVA 2023-04-0672-0103

BASF Agricultural Solutions US LLC
2 TW Alexander Drive
Research Triangle Park, NC 27713

We create chemistry

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER/PELIGRO

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Prolonged or frequent 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):

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 mil.), nitrile rubber (>14 mil.) or Viton (>14 mil.),
- chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate,
- protective eyewear (goggles or face shield).

See engineering controls for additional 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 Statement:

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 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. If pesticide gets on skin, wash immediately with soap and water.
- 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 10-20 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.
HOTLINE 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 1-877-325-1840 for emergency medical treatment information. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and aquatic 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 disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

GROUNDWATER ADVISORY: MCPA and Sulfentrazone are known to leach through soil into groundwater under certain conditions as a result of label use. Triclopyr has properties and characteristics associated with chemicals detected in groundwater. These chemicals may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Do not use on coarse soils classified as sand which have less than 1% organic matter.

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 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 triclopyr and MCPA 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.

Sulfentrazone can contaminate surface water through spray drift. Under some conditions, sulfentrazone may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlying extremely shallow groundwater, 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 overlying tile drainage systems that drain to surface waters.

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 spray drift.

PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow contact with oxidizing agents. 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. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

This pesticide must be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposure.

Do not apply this product in a way that will contact workers, other persons, or pets, either directly or through drift. Keep people and pets out of the area during application. 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 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 mil.), nitrile rubber (>14 mil.) or Viton (>14 mil.)
- chemical-resistant headgear for overhead exposure
- protective eyewear (goggles or face shield)

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.

This product is a combination of 4 active ingredients and provides fast and effective weed control of troublesome weeds in ornamental turf, residential, industrial and institutional lawns, parks, cemeteries, athletic fields and golf courses (roughs and native areas); also for use on sod farms. Additionally, this product is for use in non-crop sites including roadsides, rights-of-way, industrial areas, railroads and fence rows.

This product offers these features:
- Excellent postemergence activity with proven performance for broadleaf weed control in turf.
- Observable results on weeds within hours of application.
- A high level of turfgrass tolerance when applied to labeled cool and warm season grasses.

USE RESTRICTIONS

- Do not apply this product through any type of irrigation system.
- Do not apply this product aerially.
- Do not use on golf course greens, tees, or aprons.
- Do not use in or near greenhouses.
- Do not graze or hay treated areas.
- Do not pour spray solutions near desirable plants.
- Do not use on carpetgrass, St. Augustinegrass, dichondra, or on lawns where desirable clovers are present unless removal is desired.
- Do not exceed specified dosages for any area; be particularly careful within the dripline of tree and other ornamental species.
- Do not apply this product using backpack sprayer to rights-of-way

The maximum rate per application is 4.5 pints per acre, and the maximum annual rate is 7 pints per acre per year (1.5 lb ae/A MCPA). Do not apply more than 2 broadcast applications to the same treatment site per year, excluding spot treatments. The minimum retreatment interval between broadcast applications is 30 days.

For residential turf: If tank mixing with additional MCPA-containing products: do not apply more than a combined total of 1.5 lbs acid equivalent MCPA per acre per application; do not make more than 2 applications per year; and do not apply more than 3.0 lbs acid equivalent MCPA per acre per year.

State Restrictions:
New York: Only one application per year of this product is allowed. This product is not allowed to be sold, distributed or used in Nassau or Suffolk Counties.
California: Make broadcast applications only between March 1 and September 1. If weeds appear during other times of the year, a spot application can be made. While sufficient amounts of water are necessary and important for plant growth, apply irrigation water efficiently so that no more than 125% of the net irrigation requirement is applied for any irrigation event. Apply efficient irrigation for six months following an application of a Sulfentrazone containing product. Do not apply product to bare ground.
Arizona: Do not use this product on sod farms.

Compost Restrictions:
This product is persistent and may be present in treated plant materials for over 30 days after application. Do not sell or transport treated plant materials or manure from animals that have grazed on treated plant materials off-site for compost distribution or for use as animal bedding/feed for 30 days after application.

Animals that have been fed triclopyr treated forage must be fed forage free of triclopyr for at least 3 days before movement to an area where manure may be collected, or sensitive crops are grown.

USE PRECAUTIONS

Failure to observe all precautions may result in injury to turfgrass and/or susceptible plants. Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Avoid fine mists. Use lawn type sprayer with coarse spray as wind drift is less likely. Avoid contact with exposed feeder roots of ornamentals and trees. Use caution when applying to ensure no spray solution collects on the tires of application equipment. Use caution when daily high air temperature exceeds 90 degrees. For optimum results, do not apply if rainfall is expected within 4 hours of the application.

The suitable use of this product on non-recommended turf species may be determined by treating a small area at 3 pints per acre. The treated area should be observed for any sign of turf injury for a period of 14 days of normal growing conditions to determine the phytotoxicity and efficacy to the treated area.

Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other sprays.

Do not use adjuvants, oils, wetting agents, fertilizers, surfactants or other pesticides to the spray solution unless your experience indicates that the tank mixture will not result in turf injury.

MANDATORY SPRAY DRIFT MANAGEMENT

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 ft above the ground or crop canopy.
- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572). Select medium to very coarse droplet size when this product is used postemergence with a contact burndown herbicide.
- Applicators may spray only when wind speed is between 3 and 10 mph.
- Do not apply during temperature inversions.

Boom-less Ground Sprayer Applications:

- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572) for all applications. Select medium to very coarse droplet size when this product is used postemergence with a contact burndown herbicide.
- Applicators may spray only when wind speed is between 3 and 10 mph.
- 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. Ground applicators must use a minimum finished spray volume of 10 gallons per acre. When this product is tank mixed with a contact burndown herbicide, ground applicators must use a minimum spray volume of 15 gallons per acre.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. 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.

SPRAYING INSTRUCTIONS

Spray Distribution: The accuracy and uniformity of the herbicide distribution is the sole responsibility of the applicator.

Spray Volumes: Apply in 10 to 240 gallons of water per acre (0.2 to 5.5 gallons of water per 1,000 square feet).

Spot Spray with Hand Sprayers to Turf: Calibration and proper uniformed applications are essential when using this product. Over application or rates above those specified including excessive overlaps of this product can cause injury. Calibrate sprayer to deliver 1 gallon of spray solution per 1,000 square feet of treated area. Adjust application rate accordingly if utilizing a higher or lower spray gallonage.

Lower Volume Equipment: Use as little as 10 gallons of water per acre. Use only application equipment that can spread droplets uniformly, wetting each weed surface.

WEED RESISTANCE MANAGEMENT

For resistance management, this product contains both Group 4 herbicides (MCPA, Triclopyr, and Dicamba) and a Group 14 herbicide (Sulfentrazone). Any weed population may contain or develop plants naturally resistant to this herbicide and other Group 4 and 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance-management strategies should be followed.

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 4 and 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.
- 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 pest control 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 that considers mechanical control methods, cultural (e.g. timing to favor the desirable plants and not the weeds), biological (weed-competitive 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. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- 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 pest controls advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific types of plants and weed biotypes.

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.

WEEDS CONTROLLED

Artichoke (Jerusalem)	Croton	Lespedeza	Primrose	Vetch
Aster	Curly dock	Mallow	Puncturevine	White clover
Bedstraw	Dandelion	Marshelder	Purslane	Wild aster
Beggartick	Dock	Matchweed	Ragweed	Wild carrot
Bindweed	Dogfennel	Mouse-ear chickweed	Red sorrel	Wild garlic
Black medic	Florida pusley	Mustard	Redstem filaree	Wild geranium
Broadleaf plantain	Galinsoga	Oxeye daisy	Sheep sorrel	Wild lettuce
Buckhorn plantain	Goatsbeard	Parsley-piert	Shepherd's-purse	Wild mustard
Burdock	Goldenrod	Pennywort	Smartweed	Wild onion
Buttercup	Ground ivy	Pepperweed	Sowthistle	Wild radish
Canada thistle	Hawkweed	Pigweed	Speedwell	Wild violet
Carpetweed	Healall	Plantain	Spiderwort	Yarrow
Catnip	Henbit	Poison hemlock	Spotted knapweed	Yellow nutsedge*
Catsear	Horsenettle	Poison ivy	Spurge	Yellow rocket
Chickweed	Horseweed	Poison oak	Stinging nettle	Yellow woodsorrel
Chicory	Jimsonweed	Pokeweed	Thistle	
Cinquefoil	Kochia	Poorjoe	Toadflax	
Clover	KnawelKnotweed	Prickly lettuce	Velvetleaf	
CockleburCoffeeweed	Lambsquarters	Prickly sida	Veronica	

For complete control, some of these species may require repeat spot applications and/or use of the highest specified rate.
*Suppression only when nutsedge is young and actively growing.

MIXING AND CLEANING INSTRUCTIONS

Fill spray tank with water. Start agitation and slowly add the specified amount of concentrate. Maintain continuous agitation after mixing and during application. If this product can stand in tank for extended periods of time, some separation may occur. Reagitate before use.

Clean application equipment carefully before and after application. Use a strong detergent or tank cleaner to rinse all parts of the sprayer thoroughly.

ORNAMENTAL TURF AND SOD FARMS

Apply 2.75 to 4.5 pts/A of this product to control weeds growing in Kentucky bluegrass, annual bluegrass, annual ryegrass, perennial ryegrass, tall fescue, red or fine leaf fescues, creeping bentgrass, colonial bentgrass, hybrid Bermudagrass, common Bermudagrass, centipedegrass, zoysiagrass, bahiagrass and buffalograss. **See Table 1 below for details on application rates.**

Generally, the lower application rates will provide satisfactory control of sensitive weeds. The higher application rates will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages. For all applications: (1) do not overlap spray patterns; and (2) use reduced rates if turfgrass is stressed from heat, drought, etc.

Note: Bronzing with spotting and speckling on the turfgrass foliage may occur following application. Treated turfgrass will recover with new growth. Discolored leaf tissue will be removed with mowing. To reduce potential for discoloration, avoid applications to highly actively growing turfgrass that is weakened by weather, mechanical, chemical, disease or other related stress.

Table 1. Use Rates

TURFGRASS*	USE RATE (Fluid Ounces)	USE RATE (Pints)	Notes
Cool-season Turf Kentucky bluegrass Annual bluegrass Annual ryegrass Perennial ryegrass Tall fescue Fine fescue	48 to 72 fl. oz. per acre 1.1 to 1.7 fl. oz. per 1,000 sq.ft.	3 to 4.5 pints per acre	Use reduced rates if grass is stressed from heat or drought. Some temporary discoloration and growth regulation may occur. For best results apply when weeds are small in size and actively growing.
Creeping bentgrass Colonial bentgrass	44 to 56 fl. oz. per acre 1.0 to 1.3 fl. oz. per 1,000 sq.ft.	2.75 to 3.5 pints per acre	Excluding golf greens and tees.
Warm-season Turf Hybrid Bermudagrass Common Bermudagrass Centipedegrass Zoysiagrass Bahiagrass	44 to 56 fl. oz. per acre 1.0 to 1.3 fl. oz. per 1,000 sq.ft.	2.75 to 3.5 pints per acre	For Centipedegrass use lower rates until tolerance to injury can be determined. Do not apply to warm-season turf during spring green-up or in the late fall during the transition period between active growth and dormancy.
Buffalograss			This product can be applied to fully dormant warm season grasses.

*This herbicide has demonstrated turfgrass tolerance. However, not all varieties have been evaluated. Turfgrass managers should treat small areas prior to widespread use.

APPLICATION TIMING FOR TURF AND SOD FARMS

Follow-up applications may be required for dense infestations of perennial and biennial weeds. The minimum retreatment interval between broadcast applications is 30 days.

The maximum rate is 4.5 pints per acre per application, and the maximum annual rate is 7 pints per acre per year (1.5 lb ae/A MCPA). Do not apply more than 2 broadcast applications to the same treatment site per year, excluding spot treatments.

Newly Seeded Areas: The application of this herbicide to grass seedlings is not recommended until after the second mowing. Do not apply to newly seeded areas until grass is well established unless discoloration or damage can be tolerated.

Newly Sodded, Sprigged or Plugged Areas: Do not apply to newly sodded, sprigged, or plugged grasses for at least 4 weeks after the sodding, sprigging, or plugging operations.

Seeding: Turf species listed on this label can be seeded into treated areas three weeks after the application.

Mowing: For best results, turf should not be mowed for 2 days before or after application to maximize leaf surface and herbicide uptake and translocation.

Irrigation: For best results do not irrigate or water the turf within 24 hours after application. If rainfall does not occur within 7 days of the application, irrigation of at least ½" is recommended.

ROADSIDES, RIGHTS-OF-WAY, INDUSTRIAL AREAS, RAILROADS AND FENCE ROWS

Apply 3.5 to 4.5 pints per application of this product per acre to control listed broadleaf weeds. Apply in 10 to 240 gallons of water per acre (0.2 to 5.5 gallons of water per 1,000 square feet). The maximum annual rate is 7 pints per acre per year (1.5 lb ae/A MCPA). Do not apply more than 2 broadcast applications to the same treatment site per year, excluding spot treatments.

Apply any time between the time when plants come into full leaf (spring) to when the plants begin to go dormant. Best results are obtained when weeds are young and actively growing. Do not cut weeds until the herbicide has had sufficient time to translocate to the roots. For small broadleaf weeds, use the lower rate. Heavy, dense stands require the higher rate with high water volume. For spot applications with small tank sprayers, apply at the rate of 1.5 fluid ounces of this product per gallon of water and spray to thoroughly wet all foliage.

Do not apply this product using backpack sprayer.

For use on plants in non-crop and non-timber areas only. Not for use on crops, timber, or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Store at temperatures above 25°F. Protect product from freezing. If allowed to freeze, remix well before using. This does not alter this product. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If empty - Do not reuse this container. Place in trash or offer for recycling if available. If partly filled - If product cannot be used as directed, call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed, labeled container for proper disposal. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate groundwater. 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 containers 5 gallons or greater: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling or reconditioning not available, 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 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. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or other procedures approved by State and local authorities.

Refillable containers 5 gallons or greater: 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 a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two 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 other procedures approved by State and local authorities.

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, CROP OR PLANT DAMAGE, OR LOSS OF YIELD, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE WEATHER, WIND, AND TEMPERATURE, OR THE MANNER OF USE OR APPLICATION, 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 OR MANUFACTURER, AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY OTHER REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS. NO WARRANTIES SHALL BE CREATED BY COURSE OF DEALING, USAGE OF TRADE, OR COURSE OF PERFORMANCE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE FACE HEREOF. THE SELLER OR MANUFACTURER ASSUMES NO RESPONSIBILITY THAT THE GOODS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING OR USING THE GOODS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT.

LIMITATION OF LIABILITY WARNING

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, NEITHER MANUFACTURER NOR SELLER SHALL BE LIABLE TO BUYER OR USER OR TO CUSTOMERS OF BUYER, IF ANY, FOR INDEMNIFICATION OR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR RISING OUT OF THE USE, MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR 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 PURCHASE PRICE OF THE GOODS AND, IF BUYER OR USER WISHES, THE RETURN OF THE GOODS BY BUYER TO SELLER.

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 goods, and return it unopened to the Seller, and the purchase price will be refunded. *By using the goods, you expressly agree to all of the terms and conditions of this contract.*

RV070522

ArmorTech is a registered trademark and 4-RUNNER is a trademark of United Turf Alliance, LLC.

All other trademarks are the property of their respective owners.

MCPA, TRICLOPYR, DICAMBA	GROUP	4	HERBICIDE
SULFENTRAZONE	GROUP	14	HERBICIDE

ArmorTech®

4-Runner™

CONTAINS MCPA, TRICLOPYR, DICAMBA, AND SULFENTRAZONE,
FOR SELECTIVE WEED CONTROL IN ORNAMENTAL TURF, RESIDENTIAL, INDUSTRIAL AND INSTITUTIONAL LAWNS, PARKS, CEMETERIES, ATHLETIC FIELDS AND GOLF COURSES (ROUGHS AND NATIVE AREAS), SOD FARMS, AND NON-CROPLAND SITES INCLUDING ROADSIDES, RIGHTS-OF-WAY, INDUSTRIAL AREA, RAILROADS AND FENCE ROWS

ACTIVE INGREDIENTS:	**% by Weight**
MCPA (Dimethylamine Salt of 2-Methyl-4-Chlorophenoxyacetic Acid)*	23.78%
Triclopyr (Triethylamine Salt of 3,5,6-Trichloro-2-Pyridinyloxyacetic Acid)**	4.37%
Dicamba (Dimethylamine Salt of Dicamba (3,6-Dichloro-o-Anisic Acid))***	3.49%
Sulfentrazone****	0.82%
OTHER INGREDIENTS:	67.54%
TOTAL:	100.00%
By Isomer Specific AOAC Method, Equivalent to:	
**MCPA (2-Methyl-4-Chlorophenoxyacetic Acid)*	19.42%, 1.75 lb/gal
**Triclopyr (3,5,6-Trichloro-2-Pyridinyloxyacetic Acid)	3.13%, 0.28 lb/gal
***Dicamba (3,6-Dichloro-o-Anisic Acid)	3.09%, 0.27 lb/gal
****Sulfentrazone	0.82%, 0.074 lb/gal

DO NOT SELL, DISTRIBUTE OR USE THIS PRODUCT IN NASSAU AND SUFFOLK COUNTIES IN NEW YORK.

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 ADDITIONAL PRECAUTIONARY STATEMENTS

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

EPA REG. NO. 228-747
EPA EST. NO. 228-IL-001

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

Net Contents
30 Gal.
(113.56 L)

Nonrefillable Container

15818000

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER/PELIGRO

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Prolonged or frequent 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.

FIRST AID	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 10-20 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.

HOTLINE 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 1-877-325-1840 for emergency medical treatment information. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Store at temperatures above 25 ° F. Protect product from freezing. If allowed to freeze, remix well before using. This does not alter this product. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If empty - Do not reuse this container. Place in trash or offer for recycling if available. If partly filled - If product cannot be used as directed, call your local solid waste agency for disposal instructions. Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed, labeled container for proper disposal. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate groundwater. 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 containers 5 gallons or greater: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling or reconditioning not available, 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 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. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or other procedures approved by State and local authorities.

PULL HERE TO OPEN

RV070522[1]A

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

ArmorTech®

BALATA

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 (CAS No. 500008-45-7):	34.05%
OTHER INGREDIENTS:	65.95%
TOTAL:	100.00%

Contains 3.34 pound of active ingredient per gallon.

Chlorantraniliprole belongs to the anthranilic diamide chemical class.

KEEP OUT OF REACH OF CHILDREN
MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS
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 this label, find someone to explain it to you)



EPA Reg. No. 89442-70
EPA Est. No. 42750-MO-02

AD091824S

NET CONTENTS: 1 QUART

FIRST AID

IF IN EYES/SI ENTRA EN CONTACTO CON LOS OJOS: 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. Mantenga los ojos abiertos y enjuáguelos lenta y cuidadosamente con agua, durante 15 a 20 minutos. Si utiliza lentes de contacto, retírelos después de los primeros 5 minutos, luego continúe enjuagando los ojos. Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento. **IF ON SKIN OR CLOTHING/SI CAE EN LA PIEL:** 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. Quítese la ropa contaminada. Enjuague la piel inmediatamente con bastante agua por 15-20 minutos. Llame al centro de control de envenenamientos o a un médico para consejo de tratamiento. **IF SWALLOWED/ SI SE INGIERE:** 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. Llame de inmediato a un centro de control de envenenamientos o a un médico para consejo de tratamiento. Si la persona puede tragar, haga que beba un vaso de agua lentamente. No induzca el vómito a menos que así se lo indique un centro de control de envenenamientos o un médico. No administre nada por boca a una persona que haya perdido el conocimiento.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For non-emergency exposure information on this product, call 1-888-347-6732 (7 days/week, 24-hr). For medical emergencies, dial 911. Cuando llame a un centro de control de envenenamiento, o a un médico, o intente obtener tratamiento, tenga a la mano el envase o la etiqueta del producto. Para información sobre la exposición a este producto que nos sea emergencia, llame al 1-888-347-6732 (7 dias/semana, 24-hr). Para emergencias medicas, llame al 911.

See booklet for complete First Aid, Precautionary Statements, Directions For Use, Storage and Disposal, and Conditions of Sale and Warranty.

For 24-hour chemical spill, leak, fire, exposure or accident response information, call CHEMTREC toll free at 1-800-424-9300.

Para obtener información sobre derrames, fugas, incendios, exposiciones o accidentes químicos las 24 horas, llame a CHEMTREC sin cargo al 1-800-424-9300.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin 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:

1. Long-sleeved shirt and long pants
2. Chemical resistant gloves, made of barrier laminate, butyl rubber (> 14 mils), nitrile rubber (> 14 mils), neoprene rubber (> 14 mils), natural rubber (> 14 mils), polyethylene, polyvinyl chloride (> 14 mils), or viton (> 14 mils)
3. Shoes plus socks

(continued)

DECLARACIONES PREVENTIVAS

RIESGOS PARA LOS SERES HUMANOS Y ANIMALES DOMÉSTICOS

PRECAUCIÓN: Dañino si se absorbe por la piel. Dañino si se ingiere. Causa irritación moderada en los ojos. Evite el contacto con la piel, los ojos o ropa. Lávese minuciosamente con agua y jabón después de manipularlo y antes de comer, beber, mascar chicle, consumir tabaco o ir al baño. Quitar y lavar la ropa contaminada antes de usarla nuevamente.

EQUIPO DE PROTECCIÓN PERSONAL (PPE)

Los aplicadores y otros manipuladores de pesticidas (plaguicidas) deben usar:

1. Camisa de manga larga, pantalones largos
2. Guantes resistentes a productos químicos laminado de barrera, caucho de butilo (>14 mils), caucho de nitrilo (>14 mils), caucho de neopreno (> 14 mils), caucho natural (> 14 mils), polietileno, cloruro de polivinilo (> 14 mils), o vitón (> 14 mils)
3. Calcetines y zapatos

(continuado)

PERSONAL PROTECTIVE EQUIPMENT (PPE) *(cont.)*

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 and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

EQUIPO DE PROTECCIÓN PERSONAL (PPE) *(cont.)*

Deseche la ropa y otros materiales absorbentes que hayan sido empapados o muy contaminados con el concentrado de este producto. **NO** los reutilices. Siga las instrucciones del fabricante para la limpieza/mantenimiento del equipo de protección personal (PPE, por sus siglas en inglés). En caso de no existir dichas instrucciones de lavado, utilice detergente y agua caliente. Mantenga y lave el PPE separadamente de otra ropa para lavar.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing 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.

RECOMENDACIONES DE SEGURIDAD PARA EL USUARIO

Los usuarios deben usar:

1. Lávese las manos antes de comer, beber, masticar chicle, consumir tabaco o ir al baño.
2. Quítese la ropa inmediatamente si el pesticida entra. Luego lávese bien y póngase ropa limpia.
3. Quítese el EPP inmediatamente después de manipular este producto. Lave el exterior de los guantes antes de quitárselos. Tan pronto como sea posible, lávese bien y cámbiese a ropa limpia.

PHYSICAL AND CHEMICAL HAZAARDS

DO NOT mix or allow to come into contact with oxidizing agent. Hazardous Chemical reaction may occur.

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.

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 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.

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.

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 United Turf Alliance, LLC 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.

ArmorTech Balata can be applied to use sites that are within the scope of the Worker Protection Standard for agricultural practice, 40 CFR part 170 (see Commercial Ornamental Plant Nurseries, Greenhouses and Sod Farms), and use sites that are outside of its scope (see 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 use-specific Use Restrictions.

INSTRUCCIONES DE USO

El uso de este producto de forma contraria a lo indicado en su etiqueta constituye una infracción de la ley federal.

Lea todas las instrucciones de la etiqueta antes de usar. Todas las solicitudes deben realizarse de acuerdo con las Instrucciones de uso que siguen o las exenciones conforme a FIFRA (etiquetas suplementarias, registro de necesidad local especial, exenciones de la Sección 18 de FIFRA).

Para cualquier requisito específico de su estado o tribu, consulte con la agencia estatal o tribal responsable de la regulación de pesticidas.

Notifique a las autoridades estatales y/o federales y a United Turf Alliance, LLC inmediatamente si observa algún efecto adverso debido al uso de este producto.

NO SEGUIR LAS INSTRUCCIONES Y PRECAUCIONES DE ESTA ETIQUETA PUEDE PROVOCAR DAÑOS EN LOS CULTIVOS, CONTROL DEFICIENTE DE INSECTOS Y/O RESIDUOS ILEGALES.

ArmorTech Balata se puede aplicar para usar sitios que están dentro del alcance de la Norma de protección del trabajador para prácticas agrícolas, 40 CFR parte 170 (ver Viveros de plantas ornamentales comerciales, invernaderos y granjas de césped), y usar sitios que están fuera de su alcance (ver Campos de golf, céspedes y paisajes, y paisajes vegetales interiores). Consulte los siguientes cuadros que contienen orientación adicional sobre los requisitos de uso agrícola y los requisitos de uso no agrícola. Consulte las secciones respectivas para conocer las Restricciones de uso específicas.

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.

(continued)

REQUISITOS DE USO AGRICOLA

Utilice este producto solo de acuerdo con su etiqueta y el Estándar para la Protección del Trabajador Agrícola (WPS, por sus siglas en inglés), 40 CFR Parte 170. Esta ley contiene los requisitos para la protección de los trabajadores agrícolas en granjas, bosques, viveros e invernaderos, y para las personas que manipulan pesticidas agrícolas. Contiene requisitos de capacitación, descontaminación, notificación y asistencia de emergencia. También contiene instrucciones específicas y excepciones relacionadas con las declaraciones en la etiqueta sobre equipo de protección personal, intervalo de entrada restringida y notificación a los trabajadores (según corresponda).

NO aplique este producto de manera que entre en contacto con trabajadores u otras personas, ya sea directamente o por deriva. Solo los manipuladores protegidos pueden estar en el área durante la aplicación.

NO ingrese o permita el ingreso de trabajadores a las áreas tratadas durante el intervalo de acceso restringido (REI, por sus siglas en inglés) de 4 horas.

Excepción: Si el producto se aplicado por empapado o incorpora al suelo, la Norma de Protección del Trabajador, bajo ciertas circunstancias, permite que los trabajadores ingresen al área tratada si no habrá contacto con nada que haya sido tratado. No se requiere REI después de una aplicación incorporada al suelo o empapada del suelo.

(continuado)

AGRICULTURAL USE REQUIREMENTS *(cont.)*

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
- Chemical resistant gloves, made of barrier laminate, butyl rubber (> 14 mils), nitrile rubber (> 14 mils), neoprene rubber (> 14 mils), natural rubber (> 14 mils), polyethylene, polyvinyl chloride (> 14 mils), or viton (> 14 mils)
- Shoes plus socks

REQUISITOS DE USO AGRICOLA *(cont.)*

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
- Chemical resistant gloves, made of barrier laminate, butyl rubber (> 14 mils), nitrile rubber (> 14 mils), neoprene rubber (> 14 mils), natural rubber (> 14 mils), polyethylene, polyvinyl chloride (> 14 mils), or viton (> 14 mils)
- 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.

PRODUCT INFORMATION

USE SITES

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

Uses Subject to Worker Protection Standards (Commercial Ornamental Plant Nurseries, Greenhouses and Sod Farms):

- 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.

Uses NOT Subject to Worker Protection Standards (Golf Courses, Lawns and Landscapes, and Interior Plantscapes):

- 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.

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.

INTEGRATED PEST MANAGEMENT (IPM)

ArmorTech Balata 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 ArmorTech Balata is tank-mixed with an insect control product that negatively impacts beneficial arthropods, the full benefit of ArmorTech Balata to the IPM program may not be realized.

RESISTANCE MANAGEMENT

CHLORANTRANILIPROLE	GROUP	28	INSECTICIDE

For resistance management, ArmorTech Balata contains a Group 28 insecticide. Any insect population may contain individuals naturally resistant to ArmorTech Balata 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 ArmorTech Balata 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 United Turf Alliance, LLC at 1-800-247-8013.

United Turf Alliance, LLC encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

USE RESTRICTIONS

- **DO NOT** use for commercial grass seed production.
- **DO NOT** formulate this product into other end-use products without written permission from United Turf Alliance, 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 19.15 fluid ounces (equivalent to 0.5 lb of active ingredient) of ArmorTech Balata per acre per year to plants produced or grown outdoors.
- **DO NOT** apply more than 19.15 fluid ounces (equivalent to 0.5 lb of active ingredient) of ArmorTech Balata 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 ArmorTech Balata 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).

APPLICATION DIRECTIONS

METHODS OF APPLICATION

Apply ArmorTech Balata 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. ArmorTech Balata is a systemic product that is translocated upward into the plant from root uptake when applied to the soil. To be effective, apply ArmorTech Balata where the root system of the target plant can readily absorb the active ingredient.

APPLICATION EQUIPMENT

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.

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.

APPLICATION VOLUME AND SPRAY COVERAGE

ArmorTech Balata 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.

MIXING DIRECTIONS

ArmorTech Balata Alone:

1. Fill sprayer tank ¼ to ½ full of water.
2. Always shake container well before use.
3. Add the required amount of ArmorTech Balata 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.

Tank Mixtures:

ArmorTech Balata 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.

The physical compatibility of ArmorTech Balata 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.

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. ArmorTech Balata and other water-based suspension concentrates
5. Water-soluble concentrates
6. Emulsifiable concentrates
7. Adjuvants, surfactants, oils
8. Soluble fertilizers
9. Drift retardants

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.

COMMERCIAL ORNAMENTAL PLANT NURSERIES, GREENHOUSES, AND SOD FARMS

Apply ArmorTech Balata to control insect pests on ornamental plants grown in commercial ornamental nurseries and greenhouses; and on turfgrass produced on sod farms. Consult your local United Turf Alliance, LLC representative, Cooperative Extension Service specialist, or pest control advisor for regionally specific information regarding application timing.

Commercial Nurseries and Greenhouses:

- Apply ArmorTech Balata as a foliar, bark or soil treatment.
- 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 ArmorTech Balata 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.

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

TARGET PESTS	PRODUCT DILUTION	APPLICATION TIMING
Leaf-feeding caterpillars such as: Bagworms, Eastern tent caterpillar*, and tussock moth caterpillars, including whitemarked tussock moth Bristly roseslug sawfly* Japanese beetle* Viburnum leaf beetle*	1 – 8 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
Fall webworm* Gypsy moth caterpillar*	0.5 – 4 fl oz per 100 gallons (0.013 – 0.104 lb ai per 100 gallons)	
Zimmerman pine moth*	8 fl oz per 100 gallons (0.208 lb ai per 100 gallons)	
Japanese beetle adults*	2 – 4 fl oz per 100 gallons (0.052 – 0.104 lb ai per 100 gallons)	Begin applications before the onset of high pest populations and reapply as needed.
Sawfly larvae*	1 – 2 fl oz per 100 gallons (0.026 – 0.052 lb ai per 100 gallons)	

USE DIRECTIONS

Mix ArmorTech Balata 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 the concentrate or mist-type spray equipment is used, apply an equivalent amount of product as would be used in a dilute application.

(continued)

Foliar Applications *(cont.)*

USE RESTRICTIONS
• **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft). • **Maximum Annual Application Rate:** o For indoor ornamental production and outdoor containerized production, **DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (0.44 fl oz of ArmorTech Balata 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. o For outdoor, field-grown production, **DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year. • **DO NOT** apply more than once every 7 days. • **DO NOT** apply aerially. • **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval of 4 hours. *NOT for use in California.

[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.

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

TARGET PESTS	PRODUCT DILUTION	APPLICATION TIMING
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.	0.09 – 0.185 fl oz per 1000 sq. ft. 4 – 8 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.

(continued)

Soil Applications for White Grubs *(cont.)*

USE DIRECTIONS
Apply using 1-2 pints of water or greater per square foot of soil surface. Irrigate immediately after application or allow rainfall to move the product into the soil.
USE RESTRICTIONS
• **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft). • **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year. • **DO NOT** apply more than once every 7 days. • **DO NOT** apply aerially. • **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval of 4 hours.

[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.

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**
Lace bugs Aphids, including apple aphid	0.03125 – 0.125 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.
Birch leafminer Rhododendron lace bug* Hemlock woolly adelgid* Magnolia scale * False oleander scale*	0.125 fl oz (0.0033 lb ai) per inch DBH of tree OR per foot of height of shrub	
USE DIRECTIONS		
Application can be made by soil injection, soil drenches, and broadcast sprays. Apply ArmorTech Balata 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 **Soil Application Methods (Injection/Drench)** for additional information on soil injection and soil drench applications.		

(continued)

Systemic Soil Treatments *(cont.)*

USE RESTRICTIONS
• **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft). • **Maximum Annual Application Rate:** o For indoor production and outdoor containerized production, **DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (0.44 fl oz of ArmorTech Balata 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. o For outdoor, field-grown production, **DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year. • **DO NOT** apply more than once every 7 days. • **DO NOT** apply aerially. • **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval of 4 hours. *NOT for use in California

[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 ArmorTech Balata per inch of diameter at breast height (DBH) for trees or per foot of height for shrubs. See restrictions regarding the number of tree 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 ArmorTech Balata 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
0.03125 fl oz	256	128	85	64	51	42
0.125 fl oz	64	32	21	16	12	10

[1]For trees with a DBH greater than 6 inches, **DO NOT** apply more than 0.75 fl oz per plant. Dilute the required amount of ArmorTech Balata in a volume of water that ensures coverage.

Maximum Number of Shrubs that can be Treated per Acre at the Listed Rates						
Amount of ArmorTech Balata 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
0.03125 fl oz	256	128	85	64	51	42
0.125 fl oz	64	32	21	16	12	10

[1]For shrubs with a height greater than 6 feet, **DO NOT** apply more than 0.75 fl oz per plant. Dilute the required amount of ArmorTech Balata in a volume of water that ensures coverage.

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
Clearwing moth borer larvae, including peachtree borer	2 – 16 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.

USE DIRECTIONS

Apply ArmorTech Balata 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)

Bark Applications *(cont.)*

USE RESTRICTIONS
• **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft). • **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year. • **DO NOT** apply more than once every 7 days. • **DO NOT** apply aerially. • **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval of 4 hours.

[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.

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
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.	4 – 8 fl oz per 100 gallons (0.104 – 0.208 lb ai per 100 gallons)	For best results, apply immediately prior to egg hatch. The need for application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods.
Lace bugs Aphids, including apple aphid	4 – 16 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.

(continued)

Container Drench Applications *(cont.)*

USE DIRECTIONS
For White Grubs: 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. For Lace bugs and Aphids: Apply the drench solution uniformly to the soil to wet the entire container without leaching.

USE RESTRICTIONS

• **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft).
• **Maximum Annual Application Rate:**
  ◦ For indoor production, **DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (0.44 fl oz of ArmorTech Balata 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 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
• **DO NOT** apply more than once every 7 days.
• **DO NOT** apply aerially.
• **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval of 4 hours.

[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.

Production of Turfgrass Sod on Commercial Sod Farms:

- For maximum residual control or heavy pest pressure, apply up to 10 fl oz per acre to control any of the listed pests**.**
- 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 **ADDITIONAL RATE TABLES** for the **Broadcast Application Dilution Chart.**
- Refer to the **AGRICULTURAL USE REQUIREMENTS** box for compliance with the Worker Protection standard.

Broadcast Applications

Turfgrass Sod Produced on Commercial Sod Farms		
TARGET PESTS	**PRODUCT USE RATE**	**APPLICATION INFORMATION**
Annual bluegrass weevil	6 – 10 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	4 – 10 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)	4 – 8 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)	6 – 10 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	1 – 2 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.

(continued)

Broadcast Applications *(cont.)*

Turfgrass Sod Produced on Commercial Sod Farms		
TARGET PESTS	**PRODUCT USE RATE**	**APPLICATION INFORMATION**
White grubs, including *Aphodius* spp., Asiatic garden beetle, black turfgrass ataenius, European chafer, green June Beetle, Japanese beetle, May/June Beetles (*Phyl/ophaga* spp.), Northern Masked chafer, oriental beetle, and Southern masked chafer	4 – 8 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 ONLY: Chinch bugs	4 – 10 fl oz per acre (0.104 – 0.26 lb ai per acre)	Apply before eggs hatch.

USE RESTRICTIONS

- **Maximum Single Application Rate: DO NOT** apply more than 10 fl oz of ArmorTech Balata (0.26 lb ai) per acre (0.23 fl oz ArmorTech Balata per 1000 sq ft).
- **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
- **DO NOT** apply more than once every 7 days.
- **DO NOT** apply aerially.
- **DO NOT** enter or allow worker entry into treated areas during the restricted entry interval of 4 hours.

GOLF COURSES, LAWNS AND LANDSCAPES, AND INTERIOR PLANTSCAPES

Apply ArmorTech Balata to control listed insect pests on 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.

Golf Course, Lawn, and Recreational Area Turf:

- For maximum residual control or heavy pest pressure, apply at rates up to 10 fl oz per acre to control any of the listed pests**.**
- 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 **ADDITIONAL RATE TABLES** for the **Broadcast Application Dilution Chart** and **SOIL APPLICATION METHODS (INJECTION/DRENCH)** for soil application directions.

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	0.14 – 0.23 fl oz per 1000 sq ft 6 – 10 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	0.09 – 0.23 fl oz per 1000 sq ft 4 – 10 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.

(continued)

Broadcast Applications *(cont.)*

Turfgrass in Golf Courses, Lawns on Residential or Commercial Properties, and Other Recreational Areas		
TARGET PESTS	**PRODUCT USE RATE**	**APPLICATION INFORMATION**
European crane fly (larvae)	0.09 – 0.185 fl oz per 1000 sq ft 4 – 8 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)	0.14 – 0.23 fl oz per 1000 sq ft 6 – 10 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	0.025 – 0.045 fl oz per 1000 sq ft 1 – 2 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	0.09 – 0.185 fl oz per 1000 sq ft 4 – 8 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.

(continued)

Broadcast Applications *(cont.)*

Turfgrass in Golf Courses, Lawns on Residential or Commercial Properties, and Other Recreational Areas		
TARGET PESTS	**PRODUCT USE RATE**	**APPLICATION INFORMATION**
SUPPRESSION ONLY: Chinch bugs	0.09 – 0.23 fl oz per 1000 sq ft 4 – 10 fl oz per acre (0.104 – 0.26 lb ai per acre)	Apply before eggs hatch.

USE RESTRICTIONS

- **Maximum Single Application Rate: DO NOT** apply more than 10 fl oz of ArmorTech Balata (0.26 lb ai) per acre (0.23 fl oz ArmorTech Balata per 1000 sq ft).
- **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
- **DO NOT** apply more than once every 7 days.
- **DO NOT** enter or allow others to enter treated areas until sprays have dried.

Ornamentals in Outdoor Landscapes and Interior Plantscapes:

- Apply ArmorTech Balata as a foliar, bark or soil treatment to control listed insect pests.
- 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.

Foliar Applications

Ornamentals in Outdoor Landscapes and Interior Plantscapes		
Bulb, Corm and Tuber Crops (such as tulips, calla lilies)	Ground covers	Perennial plants
	Non-bearing fruit and nut trees[1]	Shrubs
Evergreens, including conifers	Ornamental grasses	Succulents
Flowering plants	Ornamental trees	Vines (non-bearing)[1]
Foliage plants	Palms	

(continued)

Foliar Applications *(cont.)*

TARGET PESTS	PRODUCT DILUTION	APPLICATION TIMING
Leaf-feeding caterpillars such as: Bagworms, Eastern tent caterpillar*, and tussock moth caterpillars, including whitemarked tussock moth Bristly roseslug sawfly* Japanese beetle* Viburnum leaf beetle*	1 – 8 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
Fall webworm* Gypsy moth caterpillar*	0.5 – 4 fl oz per 100 gallons (0.013 – 0.104 lb ai per 100 gallons)	
Zimmerman pine moth*	8 fl oz per 100 gallons (0.208 lb ai per 100 gallons)	
Japanese beetle adults*	2 – 4 fl oz per 100 gallons (0.052 – 0.104 lb ai per 100 gallons)	Begin applications before the onset of high pest populations and reapply as needed.
Sawfly larvae*	1 – 2 fl oz per 100 gallons (0.026 – 0.052 lb ai per 100 gallons)	

USE DIRECTIONS

Apply in a minimum spray volume of 1 gallon per 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

- **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft).
  - **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
- **DO NOT** apply more than once every 7 days.
- **DO NOT** enter or allow others to enter the treated area until sprays have dried.

*NOT for use in California.

[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.

Soil Applications for White Grubs

Ornamentals in Outdoor Landscapes and Interior Plantscapes		
Bulb, Corm and Tuber Crops (such as tulips, calla lilies) Evergreens, including conifers Flowering plants Foliage Plants	Ground covers Non-bearing fruit and nut trees[1] Ornamental grasses Ornamental trees Palms	Perennial plants Shrubs Succulents Vines (non-bearing)[1]
TARGET PESTS	**PRODUCT USE RATE**	**APPLICATION TIMING**
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.	0.09 – 0.185 fl oz per 1000 sq. ft. 4 – 8 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.

USE DIRECTIONS

Apply in sufficient water to uniformly cover the area being treated as a broadcast or banded treatment (a minimum of 2 gallons per 1000 sq ft). Irrigate immediately after application or allow rainfall to move the product into the soil.

USE RESTRICTIONS

- **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft).
- **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
- **DO NOT** apply more than once every 7 days.
- **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.

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**
Lace bugs Aphids, including apple aphid	0.03125 – 0.125 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.
Birch leafminer Rhododendron lace bug* Hemlock woolly adelgid* Magnolia scale * False oleander scale*	0.125 fl oz (0.0033 lb ai) per inch DBH of tree OR per foot of height of shrub	

USE DIRECTIONS

Application can be made by soil injection, soil drenches, and broadcast sprays. To be effective, ArmorTech Balata 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.

USE RESTRICTIONS

- **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft).
  - **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
- **DO NOT** apply more than once every 7 days.
- **DO NOT** enter or allow others to enter the treated area until sprays have dried.

*NOT for use in California.

[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 ArmorTech Balata 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 ArmorTech Balata 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
0.03125 fl oz	256	128	85	64	51	42
0.125 fl oz	64	32	21	16	12	10

[1]For trees with a DBH greater than 6 inches, **DO NOT** apply more than 0.75 fl oz per plant. Dilute the required amount of ArmorTech Balata in a volume of water that ensures coverage.

Maximum Number of Shrubs that can be Treated per Acre at the Listed Rates						
Amount of ArmorTech Balata 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
0.03125 fl oz	256	128	85	64	51	42
0.125 fl oz	64	32	21	16	12	10

[1]For shrubs with a height greater than 6 feet, **DO NOT** apply more than 0.75 fl oz per plant. Dilute the required amount of ArmorTech Balata in a volume of water that ensures coverage.

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**
Clearwing moth borer larvae, including peachtree borer	2 – 16 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 regionally specific information regarding application timing.

USE DIRECTIONS

Apply ArmorTech Balata 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

- **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft).
- **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
- **DO NOT** apply more than once every 7 days.
- **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.

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**
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.	4 – 8 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 application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping, or other methods.
Lace bugs Aphids, including apple aphid	4 – 16 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. Applications should be made prior to anticipated pest infestation to achieve best control.

USE DIRECTIONS

Mix required dose in water and uniformly apply the drench solution to the container surface. Apply a sufficient quantity of solution to drench the entire root zone.

USE RESTRICTIONS

- **Maximum Single Application Rate: DO NOT** apply more than 8 fl oz of ArmorTech Balata (0.208 lb ai) per acre (0.185 fl oz ArmorTech Balata per 1000 sq ft).
  - **Maximum Annual Application Rate: DO NOT** apply more than 19.15 fl oz of ArmorTech Balata per acre (or 0.5 lb ai per acre from any chlorantraniliprole-containing products) per calendar year.
- **DO NOT** apply more than once every 7 days.
- **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.

ADDITIONAL RATE TABLES

Broadcast Application Dilution Chart:

This table provides mixing instructions to produce 1, 5, 10, and 100 gallons of finished (diluted ArmorTech Balata) spray solution on both a per-acre and per-1000 sq ft basis. For example, if you want to apply ArmorTech Balata at the 2 fl oz per acre rate in a spray volume of 1 gallon of finished spray per 1000 sq ft, add 0.46 fl oz of ArmorTech Balata to 10 gallons of water and mix thoroughly according to the mixing directions.

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

- 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 ArmorTech Balata.

Application Spray Volume (gal/1000ft²)	Product Application Rates			Fluid Ounces of ArmorTech Balata Diluted to These Volumes of Finished Spray			
	Fl oz ArmorTech Balata per acre	Fl oz ArmorTech Balata per 1000ft²	Pounds AI per acre	1 gallon	5 gallons	10 gallons	100 gallons
1	0.5	0.01	0.013	0.01	0.06	0.115	1.15
	1	0.025	0.026	0.025	0.115	0.23	2.30
	2	0.045	0.052	0.045	0.23	0.46	4.60
	4	0.09	0.104	0.09	0.46	0.92	9.20
	8	0.185	0.208	0.185	0.92	1.835	18.35
	10	0.23	0.260	0.23	1.15	2.30	23.00
2	0.5	0.01	0.013	0.005	0.03	0.06	0.575
	1	0.025	0.026	0.01	0.06	0.115	1.15
	2	0.045	0.052	0.025	0.115	0.23	2.30
	4	0.09	0.104	0.045	0.23	0.46	4.60
	8	0.185	0.208	0.09	0.46	0.92	9.20
	10	0.23	0.260	0.115	0.575	1.15	11.50

(continued)

Application Spray Volume (gal/1000ft²)	Product Application Rates			Fluid Ounces of ArmorTech Balata Diluted to These Volumes of Finished Spray			
	Fl oz ArmorTech Balata per acre	Fl oz ArmorTech Balata per 1000ft²	Pounds AI per acre	1 gallon	5 gallons	10 gallons	100 gallons
3	0.5	0.01	0.013	0.005	0.02	0.04	0.385
	1	0.025	0.026	0.01	0.04	0.075	0.75
	2	0.045	0.052	0.015	0.075	0.15	1.50
	4	0.09	0.104	0.03	0.155	0.30	3.00
	8	0.185	0.208	0.06	0.31	0.615	6.15
	10	0.23	0.260	0.075	0.385	0.765	7.65
4	0.5	0.01	0.013	0.003	0.015	0.03	0.29
	1	0.025	0.026	0.005	0.03	0.06	0.575
	2	0.045	0.052	0.01	0.06	0.115	1.15
	4	0.09	0.104	0.025	0.115	0.23	2.30
	8	0.185	0.208	0.045	0.23	0.46	4.60
	10	0.23	0.260	0.06	0.29	0.575	5.75
5	0.5	0.01	0.013	0.0025	0.01	0.025	0.23
	1	0.025	0.026	0.0045	0.025	0.045	0.46
	2	0.045	0.052	0.009	0.045	0.09	0.92
	4	0.09	0.104	0.0185	0.09	0.185	1.85
	8	0.185	0.208	0.037	0.185	0.37	3.70
	10	0.23	0.260	0.046	0.23	0.46	4.60
10	0.5	0.01	0.013	0.001	0.005	0.01	0.115
	1	0.025	0.026	0.0025	0.01	0.025	0.23
	2	0.045	0.052	0.0045	0.025	0.045	0.46
	4	0.09	0.104	0.009	0.045	0.09	0.92
	8	0.185	0.208	0.0185	0.09	0.185	1.835
	10	0.23	0.260	0.023	0.115	0.23	2.30

Soil Application Methods (Injection/Drench):

The calculations for soil injection/drench applications of ArmorTech Balata 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 the **CALIBRATION CHART** below to determine the amount of time that is required to deliver the specified volume per injection/drench site.

Step 4: Determine how much solution to mix.

Step 5: Refer to the **MIXING CHART** below to determine the amount of ArmorTech Balata that must be mixed in the desired volume of water based on the injection/drench volume identified above.

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	10.0	7.5	5.0	3.75	2.5
1 quart	30.0	20.0	15.0	10.0	7.5	5.0
2 quarts	60.0	40.0	30.0	20.0	15.0	10.0
1 gallon	120.0	80.0	60.0	40.0	30.0	20.0

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	0.03125	25	12.5	6.25	2.5	0.25
	0.125	100	50	25	10	1
1 quart	0.03125	12.5	6.25	3.125	1.25	0.125
	0.125	50	25	12.5	5	0.5
2 quarts	0.03125	6.25	3.125	1.5625	0.625	0.0625
	0.125	25	12.5	6.25	2.5	0.25
1 gallon	0.03125	3.125	1.5625	0.78	0.3125	0.03125
	0.125	12.5	6.25	3.125	1.25	0.125

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

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: DO NOT freeze. **DO NOT** store below 40°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 around the home.

PESTICIDE DISPOSAL: DO NOT contaminate water, food or feed by storage or disposal. Dispose of excess waste or pesticide by use according to label directions or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

(continued)

ALMACENAMIENTO Y DESECHO

NO contamine agua, comida ni forrajes mediante el almacenamiento y desecho.

ALMACENAMIENTO DE PESTICIDAS: NO congelar. **NO** lo almacene por debajo de 40°F. Guarde el producto en su envase original únicamente en un lugar inaccesible a niños y mascotas. **NO** contamine el agua, otros pesticidas, fertilizantes, alimentos o piensos mientras esté almacenado. No para uso ni almacenamiento en el hogar.

DESECHO DE PESTICIDAS: NO contamine agua, comida ni forrajes mediante el almacenamiento y desecho.

Deseche el exceso o los desechos de pesticidas utilizándolos de acuerdo con las instrucciones de la etiqueta, o comuníquese con la agencia estatal de control ambiental o de pesticidas, o con el representante de desechos peligrosos de la oficina regional de la EPA más cercana para obtener orientación.

(continuado)

STORAGE AND DISPOSAL *(cont.)*

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.

ALMACENAMIENTO Y DESECHO *(cont.)*

MANIPULACIÓN DE RECIPIENTES ≤ 5 galones:

Recipientes no recargables. **NO** reutilice ni rellene este recipiente. Enjuague tres veces el recipiente (o equivalente) inmediatamente después de vaciarlo. Enjuague tres veces de la siguiente manera: Vacíe el contenido restante en el equipo de aplicación o en un tanque de mezcla y drene durante 10 segundos después de que el flujo comience a gotear. Llene 1/4 del recipiente con agua y vuelva a tapar. Agitar durante 10 segundos. Vierta el enjuague en el equipo de aplicación o en un tanque de mezcla o almacene el enjuague para su uso o eliminación posterior. Drene durante 10 segundos después de que el flujo comience a gotear. Repita este procedimiento dos veces más. Luego ofrézcalo para reciclarlo, si está disponible, o perfórelo y deséchelo en un vertedero sanitario, o mediante incineración, o mediante otros procedimientos aprobados por las autoridades estatales y locales.

CONDITIONS OF SALE, WARRANTY DISCLAIMER AND LIMITATION OF LIABILTY

Albaugh, LLC and the Seller offer this product subject to the following Conditions of Sale, Warranty Disclaimer and Limitation of Liability, and by purchasing and using this product, Buyer and Users accept such Conditions of Sale, Warranty Disclaimer and Limitation of Liability. No employee or agent of Albaugh, LLC or the Seller is authorized to modify the terms of these Conditions of Sale, Warranty Disclaimer and Limitation of Liability unless in writing and signed by a duly authorized representative of Albaugh, LLC.

The **DIRECTIONS FOR USE** of this product are believed to be reliable and should 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 Albaugh, LLC or the Seller. All such risks shall be assumed by the Buyer. **WITHOUT LIMITATION, THE BUYER SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, UNITED TURF ALLIANCE, LLC MAKES NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER EXPRESS OR IMPLIED WARRANTY THAT EXTENDS BEYOND THE STATEMENTS MADE ON THIS LABEL. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S AND SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OF 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. When Buyer suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), Buyer must promptly notify Seller in writing of any claims to be eligible to receive either remedy stated above. **IN NO CASE SHALL UNITED TURF ALLIANCE, LLC OR THE SELLER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

Fluoxastrobin	GROUP	11	FUNGICIDE

ArmorTech®

Becton

Fungicide

For the control of foliar, stem and root diseases in turf and ornamentals for commercial production and in landscape areas around residential, municipal and commercial properties, field grown ornamentals and ornamentals in greenhouses, interior scapes and other enclosed structures.

ACTIVE INGREDIENTS

Fluoxastrobin: [(1E)-[2-[[6-(2-Chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy] phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl) methanone-O-methyloxime]	40.3%
OTHER INGREDIENTS:	59.7%
TOTAL:	100.00%

This product contains 3.98 pounds of fluoxastrobin per gallon (478 g per liter).

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 [back][side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use.

EPA Reg. No. 70506-396-86064

NET WEIGHT: 64 OZ

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway, Suite 403-282
Canton, GA 30115

	FIRST AID
IF ON SKIN: OR CLOTHING	• Take off contaminated clothing. • Rinse skin with plenty of water for 15–20 minutes. • Get medical attention if irritation persists.
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 physician if irritation persists.
IF SWALLOWED:	• Call a poison control center or doctor 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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE: Call PROSAR at 1-866-303-6952 or 1-651-632-8946 if calling from outside of the U.S.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or 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 any waterproof material, such as nitrile, butyl, neoprene and/or barrier laminate. These are only some of the glove materials that are chemically resistant to this product. For more options, refer to category A on an EPA chemical resistance category selection chart.

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 there are no such instructions for washables, 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 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

The active ingredient in this product can be persistent for several months or longer. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark, or other sensitive areas that may be exposed to spray drift. 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.

For use to control diseases in turf on sod farms, golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

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

Continued

Continued

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 or coveralls, shoes plus socks, and chemical resistant gloves made of any waterproof material, such as nitrile, butyl, neoprene, and / or barrier laminate.

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 children and pets out of treated area until spray has dried.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in original container and keep tightly closed. Store in a cool dry place.

For help with any spill, leak, fire or exposure involving this material, call CHEMTREC day or night at (703) 527-3887 or 1-800-424-9300.

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

Empty containers should be triple rinsed. Do not reuse empty containers. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL INFORMATION

ARMOR TECH BECTON Fungicide is a broad-spectrum fungicide for the control of certain diseases in turf. ARMOR TECH BECTON works by interfering with respiration in plant-pathogenic fungi, and is a potent inhibitor of spore germination and mycelial growth.

UNDER CERTAIN CONDITIONS CONDUCIVE TO EXTENDED INFECTION PERIODS, ADDITIONAL FUNGICIDE APPLICATIONS BEYOND THE NUMBER ALLOWED BY THIS LABEL MAY BE NEEDED. UNDER THESE CONDITIONS, USE ANOTHER FUNGICIDE REGISTERED FOR THE DISEASE.

RESISTANCE MANAGEMENT

The active ingredient in ARMOR TECH BECTON (fluoxastrobin) belongs to the strobilurin class of chemistry which exhibits no known cross-resistance to other chemical classes including sterol inhibitors, dicarboximides, benzimidazoles, anilinopyrimidines, or phenylamides. Fluoxastrobin exhibits cross-resistance to other QoI fungicides, such as: trifloxystrobin, azoxystrobin, and kresoxim-methyl (Group 11 fungicides). Certain fungal pathogens are known to develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for turf. Such strategies may include rotating and/or tank-mixing with products having different modes of action, or limiting the total number of applications per season. Arysta LifeScience encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Follow specific recommendations that limit the total number of sprays on turf and the required alternations with fungicides from other resistance management groups. In situations requiring multiple fungicide sprays, develop season-long spray programs for using Group 11 (QoI-containing) fungicides with the following guidelines. Turf pathogens that cause Dollar Spot, Gray Leaf Spot, Anthracnose, and Pythium Blight are known to have

the capacity to develop resistant populations with the repeated use of a single fungicide or a single class of fungicide chemistry.

1. When using a Group 11 fungicide alone, the number of applications made for control of at risk diseases should be no more than one third of the total number of fungicide applications per season.
2. In programs where tank mixes or pre-mixes of a Group 11 fungicide with a fungicide of another Group are utilized, the number of Group 11 fungicide applications made for control of at risk diseases should be no more than one half of the total number of fungicide applications per season.
3. In programs where applications of Group 11 fungicides are made with both solo products and mixtures, the number of Group 11 fungicide applications made for control of at risk diseases should be no more than one half of the total number of fungicide applications per season.

APPLICATION GUIDELINES

Broadcast Ground Sprayers

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage provide the most effective disease control. For ground application equipment, 43 – 174 gallons per acre (1– 4 gallons per 1, 000 sq. ft.) is recommended.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate the sprayer before use. Use a pump with the capacity to: (1) maintain a minimum of 35 psi at nozzles, and (2) provide sufficient agitation in the tank to keep the mixture in suspension (this requires recirculation of 10% of the tank volume per minute). Use jet agitators or a liquid sparge tube for vigorous agitation. Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on the suction side of the pump should be 16-mesh or coarser. Do not place a screen in

the recirculation line. Use 50-mesh screens at the nozzles. Check nozzle manufacturer's recommendations. For information on spray equipment and calibration, consult sprayer manufacturer's and/or state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

Mixing Procedures

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

ARMOR TECH BECTON Alone

Add ½ of the required amount of water to the mix tank. With the agitator running, add the ARMOR TECH BECTON to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the ARMOR TECH BECTON has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

ARMOR TECH BECTON + Tank-mix Partners

Add ½ of the required amount of water to the mix tank. Start the agitator running before adding any tank-mix partners. In general, tank-mix partners should be added in this order: products packaged in water-solubl packaging (see note below), wettable powders, wettable granules, (dry flowables), liquid flowables (such as ARMOR TECH BECTON), liquids, and emulsifiable concentrates. Always allow each tank-mix partner to become fully and uniformly 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.

Note: When using ARMOR TECH BECTON in tank-mixtures, all products in water-soluble packaging should be added to the tank before

any other tank-mix partner, including ARMOR TECH BECTON. 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.

If using ARMOR TECH BECTON in a tank-mixture, observe all directions for use, sites, use rates, dilution ratios, precautions, and limitations, which appear on the tank-mix product label. No label dosage rate may be exceeded, and the most restrictive label precautions and limitations must be followed. This product must not be mixed with any product that prohibits such mixing. Tank-mixtures or application of other products referenced on this label are permitted only in those states in which the referenced products are registered.

ARMOR TECH BECTON is compatible with most insecticide, fungicide, and foliar nutrient products. However, the physical compatibility of ARMOR TECH BECTON with tank-mix partners should be tested before use. To determine the physical compatibility of ARMOR TECH BECTON with other products, use a jar test, as described below.

Using a quart jar, add the proportionate amounts of the products to 1 qt. of 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.

The safety of all potential tank-mixes including additives and other pesticides on turf has not been tested. Before applying any tank-mixture not specifically recommended on this label, the safety to turf should be confirmed. To test for turf safety, apply ARMOR TECH BECTON to turf in a small area and in accordance with label instructions.

DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS

Apply this product only through overhead sprinkler irrigation systems including center pivot, microjet, wheel lines, lateral move, side roll, or overhead solid set irrigation systems. Do not apply this product through any other type of irrigation system. Reduced effectiveness in turf, can result from non-uniform distribution of the treated irrigation water.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other irrigation experts.

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 ARMOR TECH BECTON in a mix tank. Fill tank with ½ to ¾ the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of ARMOR TECH BECTON and then the remaining volume of water. Then set sprinkler to deliver no more than 0.4 inch of water per acre. Start sprinkler and uniformly inject the suspension of ARMOR TECH BECTON into the irrigation water line to deliver the desired rate per acre. The suspension of ARMOR TECH BECTON should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: When treatment with ARMOR TECH BECTON has been completed, further field irrigation over the treated area should be avoided for 24 hours to prevent washing the chemical off the turf.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

1. 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. 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, back flow 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 flow 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.
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.

SPECIAL PRECAUTIONS FOR CHEMIGATION THROUGH SPRINKLER IRRIGATION SYSTEMS

1. Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.
2. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time.
3. 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.
4. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
5. 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 shutdown.
6. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
7. 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.
8. 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.
9. Do not apply when wind speed favors drift beyond the area intended

for treatment. If you are unsure of wind conditions, contact your local extension agent.

10. Do not apply when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained. Reduced effectiveness may result from non-uniform distribution of treated water.
11. 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, or under supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
12. Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

SPRAY DRIFT

SENSITIVE AREAS

This pesticide must only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

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.

USE DIRECTIONS FOR TURF

ARMOR TECH BECTON provides control of many important diseases in turf. ARMOR TECH BECTON should be used in conjunction with cultural practices that promote healthy, vigorous turf. These practices include nutrient management, thatch management, water management and judicious use of other fungicides and cultural practices.

For use in the establishment of turfgrass from seed or in overseeding of dormant turfgrass:
ARMOR TECH BECTON may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. ARMOR TECH BECTON may also be used during overseeding of dormant turfgrass.

ARMOR TECH BECTON may be safely applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, fescue, and other turfgrasses. Optimum application timing for control of seedling diseases is just prior to, during or just after seeding.

Rate Ranges: Use the shorter specified application interval and/or the higher specified rate when prolonged favorable disease conditions exist.

DIRECTIONS FOR APPLICATION TO TURF

Disease Control	Use Rate (fl. oz. product per Acre)	App. Interval (days)	Remarks
Anthracnose* (Foliar Infection Phase) *(Colletotrichum graminicola)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Use preventatively. Begin applications when conditions are favorable for disease development. Under severe conditions tank-mix with another fungicide labeled for control of Anthracnose.

Continued

Directions for Application to Turf, Continued

Disease Control	Use Rate (fl. oz. product per Acre)	App. Interval (days)	Remarks
Anthracnose* (Crown Rot Phase) *(Colletotrichum graminicola)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 21	Use preventatively. Begin applications when conditions are favorable for disease development. Tank-mix with another fungicide labeled for control of Anthracnose.
Brown Patch *(Rhizoctonia solani)*	4.0 – 16.0 (0.09 – 0.36 fl oz/1,000 sq ft)	14 – 28	Apply when conditions are favorable for disease development.
Cool Weather Brown Patch Yellow Patch *(Rhizoctonia cerealis)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Make one or two applications in fall or when conditions are favorable for disease development.
Dollar Spot* *(Sclerotinia homoeocarpa)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 21	ARMOR TECH BECTON provides control of light to moderate dollar spot pressure when used to control other diseases. Under heavy dollar spot pressure or where dollar spot is the only targeted disease use a DMI fungicide (propiconazole, tebuconazole, triadimefon, myclobutanil, etc.) labeled for control of

Continued

Directions for Application to Turf, Continued

Disease Control	Use Rate (fl. oz. product per Acre)	App. Interval (days)	Remarks
Dollar Spot* *(Sclerotinia homoeocarpa)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 21	Dollar Spot in tank-mix or in alternation with ARMOR TECH BECTON applications.
Fairy Ring *(Basidiomycete fungi)*	16.0 (0.36 fl oz/1,000 sq ft)	28	Apply where Fairy Rings have been observed in the past or at the first sign of fairy ring development. Irrigate after application to move the fungicide into the root zone. Repeat as necessary.
Gray Leaf Spot* *(Pyricularia grisea)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Begin applications before disease is present. Under heavy disease pressure tank-mix with another product labeled for control of Gray Leaf Spot.
Leaf Spot *(Bipolaris sorokiniana)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 21	Apply when conditions are favorable for disease development.
Melting Out *(Drechslera poae)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 21	Apply when conditions are favorable for disease development.

Continued

Directions for Application to Turf, Continued

Disease Control	Use Rate (fl. oz. product per Acre)	App. Interval (days)	Remarks
Microdochium (Fusarium) Patch *(Microdochium nivale)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Pink Patch *(Limonomyces roseipellis)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Apply when conditions are favorable for disease development.
Powdery Mildew *(Erysiphe graminis)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Apply at first sign of infection. Repeat as necessary.
Pythium Blight * *(Pythium aphanidermatum)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. During periods of prolonged favorable conditions, treat on the 14-day application interval. When conditions are favorable for heavy Pythium Blight pressure use ARMOR TECH BECTON in combination with another product registered for Pythium Blight control.

Continued

Directions for Application to Turf, Continued

Disease Control	Use Rate (fl. oz. product per Acre)	App. Interval (days)	Remarks
Pythium Root Rot *(Pythium spp.)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14	Apply when conditions are favorable for disease development.
Pythium Damping Off *(Pythium spp.)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14	Apply uniformly to the seed bed before, during or just after seeding. Lightly irrigate after application. Repeat application if conditions remain favorable for disease.
Red Thread *(Laetisaria fuciformis)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Apply when conditions are favorable for disease development.
Rust *(Puccinia spp.)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Apply at the first sign of infection or when conditions are favorable for disease development. Repeat as necessary.
Snow Mold, Pink *(Microdochium nivale)*	16.0 (0.36 fl oz/1,000 sq ft)	28	Apply 1 to 2 applications prior to permanent snow cover. Tank-mix with Banner Maxx®, Daconil Ultrex® or Turfcide® 400 at labeled rates.
Snow Mold, Typhula Blight *(Typhula incarnata)*	8.0 (0.18 fl oz/1,000 sq ft)	28	

Continued

Directions for Application to Turf, Continued

Disease Control	Use Rate (fl. oz. product per Acre)	App. Interval (days)	Remarks
Southern Blight *(Sclerotium rolfsii)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Apply when conditions are favorable for disease development.
Spring Dead Spot *(Leptosphaeria korrae)* or *(Gaeumannomyces graminis var. graminis)* or *(Ophiosphaerella herpotricha)*	16.0 (0.36 fl oz/1,000 sq ft)	14 – 28	Apply 1 or 2 applications approximately one month prior to bermudagrass dormancy. Apply ¼" to ½" of irrigation after application.
Summer Patch *(Magnaporthe poae)*	8.0 – 16.0 (0.18 – 0.36 fl oz/1,000 sq ft)	14 – 28	Start applications in the spring when soil temperatures at 2" depth reach 60 - 65° F or as prescribed by local turf specialists.
Take-All Patch *(Gaeumannomyces graminis var. avenae)*	16.0 (0.36 fl oz/1,000 sq ft)	28	Begin applications before disease is present and continue applications while conditions are favorable for disease development. Make two applications in the spring and two applications in the fall.

Continued

Directions for Application to Turf, Continued

Disease Control	Use Rate (fl. oz. product per Acre)	App. Interval (days)	Remarks
Zoysia Patch Large Patch of Zoysia *(Rhizoctonia solani* and/or *Gaeumannomyces spp.)*	16.0 (0.36 fl oz/1,000 sq ft)	14 – 28	Make 1 – 2 applications in the fall before dormancy. Consult with local turfgrass experts for optimum timing in your area.

*See **RESISTANCE MANAGEMENT** section when using ARMOR TECH BECTON for control of these diseases.

Restrictions and Other Information

- Do not apply more than 68.4 fl oz (2.2 lbs a.i.) of ARMOR TECH BECTON per acre per year, or more than 0.4 fl oz/1,000 sq ft per application.
- There is a maximum number of 4 applications per season, and a minimum interval of 14 days between applications.
- Not for home owner use. May only be applied to residential turf by a certified pest control operator.
- Under conditions of high disease pressure, use the higher rates, the shortest application interval or both.
- For soil-borne diseases, use sufficient water to move the active ingredient into the crown and upper root zone.

ARMOR TECH BECTON Fungicide Rate Conversion Chart for Turf

Fl Oz Product per Acre	Fl Oz Product per 1,000 sq. ft.	Lbs. a.i. per Acre	Coverage of One 64 fl oz Container
4.0	0.09	0.123	16.0 Acres
8.0	0.18	0.25	8.0 Acres
12.0	0.28	0.37	5.3 Acres
16.0	0.36	0.50	4.0 Acres

CONDITIONS OF SALE

1. Arysta LifeScience North America Corporation ("Arysta") 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.
2. 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 Arysta. **ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. TO THE EXTENT PERMITTED BY LAW, SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM OR IN CONNECTION WITH THE MANUFACTURE, SALE, DELIVERY, USE, HANDLING OR STORAGE OF THIS PRODUCT. TO THE EXTENT PERMITTED BY LAW, SELLER'S LIABILITY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. ARYSTA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**

Continued

Continued

3. Critical and unforeseeable factors beyond Arysta's control prevent Arysta from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated on the label and even though label directions are followed. Except as stated in 1. above, to the extent permitted by law, by purchasing, accepting and using this product, the buyer and user acknowledge and assume all risks and liability resulting from handling, storage, and use of this product.

BANNER MAXX and DACONIL ULTREX are registered trademarks of Syngenta Group Company

DISARM is a registered trademark of Arysta LifeScience North America Corporation

TURFCIDE is a registered trademark of Crompton Corporation

NOTES

NOTES

Chlorothalonil	GROUP	M5	FUNGICIDE

Armor Tech®

CLT 720 XL

Fungicide

ACTIVE INGREDIENTS

Chlorothalonil (tetrachloroisophthalonitrile)	54.0%
INERT INGREDIENTS:	46.0%
TOTAL:	100.00%

Contains 6.0 pounds of active ingredient 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.)

EPA Reg. No: 53883-310-86064
EPA Est. No: 37429-GA-001[BT]; 37429-GA-002[BO]
Letters(s) in lot number correspond(s) to superscript in EPA Est. No.

NET CONTENTS: 2.5 GAL

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway, Suite 403-282
Canton, GA 30115

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 or convulsing 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.
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. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050. **NOTE TO PHYSICIAN:** Persons having temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes eye irritation. May cause skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get into eyes, on skin, or on clothing. Avoid prolonged contact with skin. Avoid breathing spray mist. Do not take internally.

Note to User: This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation, and redness or rash on exposed skin areas. Persons having allergic reactions should contact a physician.

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 category selection chart.

For WPS or non-WPS applications made in enclosed areas such as greenhouses, applicators and other handlers must wear a NIOSH-approved respirator with any N, P, R, or HE filter.

WPS Uses (such as commercial production on farms, forests, nurseries, sod farms, and in greenhouses)
Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as nitrile rubber, natural rubber, or butyl rubber
- Shoes plus socks
- Protective eyewear such as goggles, safety glasses, or face shield

Non-WPS Uses (such as applications to non-residential turf, golf courses, etc.)
Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as nitrile rubber, natural rubber, or butyl rubber
- Shoes plus socks
- Protective eyewear
- A dust/mist filtering respirator if the mixer/loader/applicator uses a high-pressure hand-wand sprayer

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 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 Part 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 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, 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.

This chemical is known to leach through soil into groundwater under certain conditions as a result of labeled use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

This chemical can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface waters 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 overlaying tile drainage systems that drain to surface water.

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, 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, 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 such as nitrile rubber, natural rubber, or butyl rubber
- Shoes plus socks
- Protective eyewear such as goggles, safety glasses, or face shield

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 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 the 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.

APPLICATION INSTRUCTIONS, PRECAUTIONS, AND RESTRICTIONS-ALL LABELED USES

ArmorTech CLT 720 XL is a flowable product containing chlorothalonil to be used as a spray for the control of many important plant diseases.

ArmorTech CLT 720 XL can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control. Spray volume to be used varies with the crop and amount of plant growth at the time of application. Both ground and aircraft methods of application are allowed, unless specific directions are given for a crop.

When tank mixing this product, observe the most restrictive label precautions and restrictions of the tank mix partners. Do not combine ArmorTech CLT 720 XL in a spray tank with pesticides, surfactants, or fertilizers unless prior use has shown the combination to be physically compatible, effective, and noninjurious under your conditions of use. Do not combine ArmorTech CLT 720 XL with DiPel®, Latron® AG-98, Latron B-1956, Triton® AG-98, Triton B-1956, as phytotoxicity may result from the combination when applied to crops listed on this label. Do not tank mix ArmorTech CLT 720 XL with oil or any adjuvants which contain oil as their primary ingredient. Do not use Copper-Count® N in concentrated spray suspensions.

Prior to pouring, slowly invert container several times to assure a uniform mixture. Measure the required amount of ArmorTech CLT 720 XL and add it slowly to the spray tank during filling. Keep agitator running when filling spray tank and during spray operations.

Dosage rates on this label indicate pints of ArmorTech CLT 720 XL per acre, unless specified otherwise. 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 per acre (LB AI/A) which may be applied to that crop or crop group during each growing season is given in bold print within the box below the crop name. For each crop use situation listed on the label, the stated maximum individual and seasonal application rates must not be exceeded and the stated minimum re-treatment intervals must not be decreased.

Do not use on greenhouse-grown crops except as directed in the **ORNAMENTAL PLANTS** section of this label.

For Agricultural Use Sites Only (such as sod farms, farms, forests, nurseries, and greenhouses): This product must not be applied within 150 feet for aerial and air-blast applications or 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 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 schools), campgrounds, churches, and theme parks.

RESISTANCE MANAGEMENT

ArmorTech CLT 720 XL is an excellent disease control agent when used according to label directions for control of a broad spectrum of plant diseases. ArmorTech CLT 720 XL used in programs that are compatible with the principles of Integrated Pest Management (IPM), which include the use of disease-resistant crop varieties, cultural practices, pest scouting, disease forecasting systems, will reduce unnecessary pesticide applications.

ArmorTech CLT 720 XL is effective for use in programs that attempt to minimize disease resistance to fungicides. ArmorTech CLT 720 XL has a multi-site mode of action and 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 ArmorTech CLT 720 XL in programs that seek to minimize the occurrence of disease resistance to other fungicides

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and 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 outermost nozzles on the boom must not exceed $^3/_4$ the length of the wingspan or rotor.
2. Excluding helicopters, nozzles must always point backward parallel with the airstream and never be

pointed downward more than 45 degrees.

Where states have more stringent regulations, they must be observed. The applicator should be familiar with and take into account the information covered in the **AERIAL DRIFT REDUCTION ADVISORY INFORMATION** section of this labeling below.

AERIAL DRIFT REDUCTION ADVISORY 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 upwind and downwind edges of the field, the application must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, 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. 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.

SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

APPLICATION AND CALIBRATION TECHNIQUES FOR 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) irrigations 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 out of the 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 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.

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 vacumn 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 ArmorTech CLT 720 XL into the 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.

ArmorTech CLT 720 XL may be used through two basic types of sprinkler irrigation systems as noted 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 positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are compatible with pesticides, capable of being fitted with a system interlock, and capable of injection at pressures approximately two to three times those encountered within the irrigation water line. Venturi application 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 labeled amount of ArmorTech CLT 720 XL 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 ArmorTech CLT 720 XL 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 30 to 45 minute period. Mix desired amount of ArmorTech CLT 720 XL for acreage to be covered with water so that the total mixture of ArmorTech CLT 720 XL 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. Agitation is suggested. ArmorTech CLT 720 XL 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 ArmorTech CLT 720 XL has been cleared from last sprinkler head.

TURFGRASSES

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 schools), campgrounds, churches, and theme parks.

Type of Turfgrass	Total Chlorothalonil Active Ingredient Per Acre Per Year Allowed (Pints ArmorTech CLT 720 XL)
Golf Course Greens	73 lbs. (97.0 Pints ArmorTech CLT 720 XL)
Golf Course Tees	52 lbs. (69.0 Pints ArmorTech CLT 720 XL)
Golf Course Fairways	26 lbs. (34.0 Pints ArmorTech CLT 720 XL)
Sod Farms	13 lbs. (17.0 Pints ArmorTech CLT 720 XL)
Other Turf	26 lbs. (34.0 Pints ArmorTech CLT 720 XL)

Sod farm turf treated with chlorothalonil prior to harvest must be mechanically cut, rolled, and harvested. Do not use on sod farms at application rates greater than 13 pounds of active ingredient per acre (AI/A) per year. Do not apply more chlorothalonil active ingredient from all registered product sources to the indicated types of turfgrass in the table above.

Apply ArmorTech CLT 720 XL in 30 to 100 gallons of water per acre on fairways, lawns, ornamental turfgrass, and other turfgrass including sod farms. Apply ArmorTech CLT 720 XL in 90 to 450 gallons of water per acre on golf course greens and tees. 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 the shortest re-treatment interval corresponding with the application schedule selected from the table below. Do not mow or irrigate after treatment until spray deposit on turfgrass is dry. Always use ArmorTech CLT 720 XL in conjunction with good turf management practices. Do not apply ArmorTech CLT 720 XL through irrigation systems on golf courses.

Diseases* Controlled	Re-Treatment Interval	Golf Course Greens & Tees (Rate per 1000 sq ft)	Golf Course Fairways, Lawns, All 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 fl. oz. (4.1 to 7.3 LB AI/A)	5.5 to 9.75 pints (4.1 to 7.3 LB AI/A)
5. Red Thread 6. Anthracnose 7. Copper Spot 8. Stem Rust (bluegrass) 9. Dichondra Leaf Spot	7 days or 14 days	3.6 fl. oz. or 5.5 fl. oz. (7.3 or 11.3 LB AI/A)	9.75 pints or 15 pints (7.3 or 11.3 LB AI/A)

*Diseases are caused by some of the following fungi:

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: Colletotrichum 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 spray coverage (2-10 gallons per 1000 square feet). Apply a single application of 5.5 fluid ounces of ArmorTech CLT 720 XL per 1000 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, reapply 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 a single application of ArmorTech CLT 720 XL at 5 1_2 fluid ounces in combination with products containing iprodione at 2.0 ounces active ingredient per 1000 square feet of turf area. Read and observe all label directions for products containing this active ingredient.

Fusarium (Microdochium) Patch: For control of Fusarium Patch only in areas where snow cover is intermittent or lacking during the winter, apply 5.5 fluid ounces of ArmorTech CLT 720 XL per 1000 square feet. Begin applications in late autumn and reapply at 21 to 28 day intervals until conditions favorable for Fusarium Patch no longer prevail.

Algal Scum: Apply ArmorTech CLT 720 XL at the rate of 2 to 3.6 fluid ounces per 1000 square feet on a 7- to 14-day re-treatment 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 ArmorTech CLT 720 XL applications. Several applications may be necessary for turfgrass recovery Only a preventative spray program with ArmorTech CLT 720 XL will prevent a recurrence of the algae when environmental conditions are favorable for algal growth

TREE AND ORCHARD CROPS

Use	Total Chlorothalonil Active Ingredient Per Acre Per Year Allowed (Pints ArmorTech CLT 720 XL)
Fruit Trees	15.4 LB AI/A (20.5 Pints ArmorTech CLT 720 XL)
Conifers	16.5 LB AI/A (22.0 Pints ArmorTech CLT 720 XL)

Apply ArmorTech CLT 720 XL 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, apply ArmorTech CLT 720 XL with aircraft using the spray volume in the table below. When concentrate sprays are used or when treating nonbearing or immature trees, use the lower rate of ArmorTech CLT 720 XL. Both ground and aircraft methods of application are allowed unless specific directions are given for a crop. Do not allow livestock to graze treated areas. Do not apply ArmorTech CLT 720 XL within one week before or after application of oil or an oil-based pesticide. Do not apply ArmorTech CLT 720 XL through irrigation systems. Do not use ArmorTech CLT 720 XL in forests.

Crop	Spray Volume (Gallons per Acre)	
Fruit Trees: Apricot, Cherry (Sweet), Cherry (Tart), Nectarine, Peach, Plum, Prune	**Dilute:** 300	**Concentrate:** 20
Conifers (not for use in forestry applications): Christmas Trees Nursery Beds	**Dilute:** 100 100	**Concentrate:** 10 to 50 (aircraft or ground equipment) 5 to 10 (ground equipment only)

FRUIT TREES: Apricot, Cherry (Sweet), Cherry (Tart), Nectarine, Peach, Plum, Prune

Diseases	ArmorTech CLT 720 XL rate, pints/acre (lbs AI//A)	ArmorTech CLT 720 XL sq ft, pints/100 gals (lbs AI//100 gals)	Application Directions
Leaf Curl Coryneum Blight (Shothole)	3.1-4.1 (2.3-3.1)	1.0 1.375 (0.75-1.0)	For best control of both diseases, apply at leaf fall in late autumn using sufficient water and proper sprayer calibration to obtain uniform coverage. When conditions favor high disease levels, use the high rate of application and apply once or twice more in mid to late winter before budswell. If the leaf fall application is not practical, application of ArmorTech CLT 720 XL for control of leaf curl may be made at any time prior to budswell the following spring. Where Coryneum blight (shothole) occurs, also apply at budbreak to protect newly emerging leaves and at shuck split to prevent fruit infections.
Lacy (Russet) Scab (Plum/Prune	3.1-4.1 (2.3-3.1)	1.0 1.375 (0.75-1.0)	Make one application at popcorn (pink, red, or early white bud) and a second application at full bloom. If weather conditions favor disease development, make an additional application at petal fall.

Diseases	ArmorTech CLT 720 XL rate, pints/acre (lbs AI//A)	ArmorTech CLT 720 XL sq ft, pints/100 gals (lbs AI//100 gals)	Application Directions
Cherry Leaf Spot Apricot Scab (Peach/Nectarine) Black Knot (Cherry/ Plum)	3.1-4.1 (2.3-3.1)	1.0 1.375 (0.75-1.0)	In addition to the bloom application listed above, make one application at shuck split. Do not apply after shuck split and before harvest. If additional disease control is needed before harvest, use another registered fungicide. For control of Cherry leaf spot after harvest, make one application to foliage within 7 days after fruit is removed. In orchards with a history of high leaf spot incidence, make a second application 10 to 14 days later.

- Do not apply more than 20.5 pints ArmorTech CLT 720 XL per acre (15.4 LB AI/A) per year.
- The minimum re-treatment interval is 10 days.
- *Volumetric rates to be used only with full dilute spray volume specified on this label for tree and orchard crops.

CONIFERS: Pines, Spruces (Do not use in forestry applications.)

Diseases	ArmorTech CLT 720 XL rate, pints/acre (lbs AI//A)	Application Directions
Swiss Needlecast	2.75-5.5 (2.1-4.125)	Single-application technique: In Christmas tree plantations or forest stands, make one application in the spring when new shoot growth is 1_2 to 2 inches in length.
Scleroderris Canker (Pines) Swiss Needlecast	1.5-2.75 (1.125-2.1)	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	2.0-3.5 (1.5-2.36)	
Rhizosphaera Needlecast (Spruces) Scirrhia Brown Spot (Pines)	5.5 (4.125)	

Diseases	ArmorTech CLT 720 XL rate, pints/acre (lbs AI//A)	Application Directions
Cyclaneusma and Lophodermium Needlecasts (Pines)	2.75-5.5 (2.1-4.125)	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)	1.5-2.75 (1.125-2.1)	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 Phoma Twig Blight	1.5-2.75 (1.125-2.1)	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 conditions favorable to disease development persist.
Autoecious Needle Rust (Weir's Cushion) (Spruces)	5.5 (4.125)	Begin applications when 10% of buds have broken and twice thereafter at 7- to 10-day intervals.

ORNAMENTAL PLANTS

Use	Total Chlorothalonil (Active Ingredient) Per Acre Per Year Allowed (Pints ArmorTech CLT 720 XL)
Ornamental Plants	36.4 LB AI/A (48.0 Pints ArmorTech CLT 720 XL)

Apply ArmorTech CLT 720 XL at a rate of 1.375 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 at the minimum re-treatment interval of 7 days. You may apply ArmorTech CLT 720 XL through irrigation systems.

Do not exceed the maximum seasonal application rate shown in the table above.

Ornamentals listed on this label have been tested and found to tolerate applications of ArmorTech CLT 720 XL at the labeled rates. However, due to the large number of species and varieties of ornamental and nursery plants and the widely varying growing conditions, it is impossible to test every variety for sensitivity to ArmorTech CLT 720 XL. Prior to commercial use, apply the labeled rates to a small area of plants in question, i.e., bedding plants, foliage, etc., and observe for 7 to 10 days prior to treatment of a commercial crop. Applications made during bloom can damage flowers and/or fruits. Knock-Out® and Double Delight® roses can be sensitive to ArmorTech CLT 720 XL resulting in damage to foliage under certain growing conditions.

NOTE: Fruits and other treated foliage must not be eaten or fed to livestock.

ArmorTech CLT 720 XL may be used in greenhouses. Do not use mist blowers or high-pressure spray equipment in greenhouses.

ArmorTech CLT 720 XL is used to control fungal diseases referred to by numbers in parentheses following each ornamental.

Broadleaf Shrubs and Trees	
Andromeda (Pieris)(4)	Holly (1)
Ash (Fraxinus)(1)	Lilac (5)
Aspen (1)	Magnolia (1)
Azalea (1,2,4)	Maple (1)
Buckeye, Horsechestnut (1)	Mountain Laurel (1)

Cherry-Laurel (1)	Oak (red group only)(1,7)
Crabapple (1,6,8)	Oregon Grape (Mahonia)(6)
Dogwood (1)	Photinia (1)
Eucalyptus (3)	Poplar (1)
Euonymus (1)	Privet (Ligustrum)(1)
Firethorn (Pyracantha)(1)	Rhododendron (1,2,4)
Flowering Almond (1,2)	Sand Cherry (1,2)
Flowering Cherry (1,2)	Sequoia (1)
Flowering Peach (1,2)	Spiraea (1)
Flowering Plum (1,2)	Sycamore, Planetree (1)
Flowering Quince (1,2)	Viburnum (5)
Hawthorn (1,6)	Walnut (Juglans)(1)
Flowering Plants[a] and Bulbs	
Arabian Violet (2)	Iris, Bulbous (1)
Begonia (1)	Lily (1)
Camellia (2)	Lily, Asiatic (1)
Carnation (1,2)	Marigold (1)
Chrysanthemum (1,2)	Narcissus (1)
Crocus (1)	Pansy (1)
Daffodil (1)	Petunia (1,4)
Daisy (1)	Phlox (1)
Geranium (1,6)	Poinsettia[b] (1)
Gladiolus (1,2)	Rose[c] (1)
Hollyhock (6)	Statice (1)
Hydrangea (foliage only)(1,6)	Tulip (1)
Iris (1,2)	Zinnia (1,5)

Foliage Plants	
Aglaonema (1)	Oyster Plant (Rhoeo) (1)
Areca Palm (1)	Pachysandra[d] (1)
Artemesia (1)	Parlor Palm (Chamaedorea) (1)
Dumbcane (Diffenbachia) (1)	Peperomia (1)
Dracaena (1)	Philodendron (1,4)
Fatsia (Aralia (1)	Prayer Plant (Maranta) (1)
Ficus (1)	Syngonium (1)
Lipstick Plant (1)	Zebra Plant (Aphelandra) (1)
Ming Aralia (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 (0.75 LB AI) ArmorTech CLT 720 XL per 100 gallons of water.
[d]Use 2.75 pints (2.1 LB AI) ArmorTech CLT 720 XL per 100 gallons of water.

DISEASES CONTROLLED BY ARMORTECH CLT 720 XL

1. Leaf Spots/Foliar Blights:	
Actinopelte Leaf Spot	Fabraea (Entomosporium) Leaf Spot
Alternaria Leaf Spot/Leaf Blight	Fusarium Leaf Spot
Anthracnose Leaf Blotch, Spot	Gloeosporium Black Leaf Spot
Anthracnose (Discula) Blight	Ink Spot (Drechslera)
Ascochyta Blight	Marssonina Leaf Spot
Bipolaris (Helminthosporium) Leaf Spot	Monilinia Blossom Blight, Twig Blight
Black Spot on Roses	Mycosphaerella Ray Blight
Botrytis Leaf Spot, Leaf Blight	Mycothecium Leaf Spot, Brown Rot
Cephalosporium Leaf Spot	Nematostoma Leaf Blight

Cercospora Leaf Spot	Phyllosticta Leaf Spot
Cercosporidium Leaf Spot	Ramularia Leaf Spot
Corynespora Leaf Spot	Rhizoctonia Web Blight
Coryneum Blight (Shothole)	Septoria Leaf Spot
Curvularia Leaf Spot	Sphaeropsis Leaf Spot
Cylindrosporium Leaf Spot	Stagonospora Leaf Scorch
Dactylaria Leaf Spot	Tan Leaf Spot (Curvularia)
Didymellina Leaf Spot	Volutella Leaf Blight
Dreschlera Leaf Spot	
2. Flower Spots/Blights:	
Botrytis Flower Spot, Flower Blight	Ovulinia Flower Blight
Curvularia Flower Spot, Flower Blight	Rhizopus Blossom Blight
Monilinia Blossom Blight	Sclerotinia Flower Blight
3. Cylindrocladium Stem Canker	
4. Phytophthora Leaf Blight/ Dieback	
5. Powdery Mildews:	
Erysiphe cichoracearum	Microsphaera spp.
6. Rusts:	
Gymnosporangium spp.	Pucciniastrum hydrangeae
Puccinia spp.	
7. Taphrina Blister	
8. Scab (Venturia inaequalis)	

The following ornamental plant species which have been tested with ArmorTech CLT 720 XL at labeled rates did not exhibit phototoxicity.

Botanical Name	Common Name
Aechmea fasciata	Aechmea
Araucaria heterophylla	Norfolk Island Pine
Bougainvillea spp.	Bougainvillea
Caladium spp.	Caladium
Calathea makoyana	Peacock Plant
Calistephus chinensis	Aster
Carissa grandiflora	Natal Plum
Clerodendron thomsonae	Bleeding Heart
Codiaeum spp.	Croton
Cordyline terminalis	Ti Plant
Crassula argentea	Jade Plant
Dionaea muscipula	Venus Fly Trap
Dizygotheca elegantissima	False Aralia
Epipremnum aureum	Golden Pothos, Scindapsus
Episcia cupreata	Flame Violet
Fittonia spp.	Silver-Nerve Plant
Gerbera jamesonii	Gerbera Daisy
Gynura sarmentosa	Purple Passion Vine
Gypsophila paniculata	Baby's Breath
Hoya spp.	Wax Plant
Ilex cornuta	Chinese Holly
Ilex crenata	Japanese Holly
Impatiens spp.	Impatiens

Pilea cadierei	Aluminum plant
Sansevieria trifasciata "Hahnii"	Birdsnest Sansevieria
Tolmeia menziesii	Piggy-Back Plant
Yucca elephantipes	Spineless Yucca
Zygocactus truncates	Christmas Cactus

Note: Do not apply ArmorTech CLT 720 XL to either green or variegated Pittosporum or to Schefflera, as multiple applications have been demonstrated to cause phytotoxic responses.

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE STORAGE: Store in a cool place. Protect from excessive heat. Store product in original container only away from water, food, or feed. Keep container closed to prevent spills and contamination. Carefully open containers. After partial use, replace lid and close tightly. Do not put concentrate or diluted product into food or drink containers.

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by disposal. Improper disposal of excess pesticide, pesticide spray, or rinsate is a violation of Federal law. Wastes resulting from the use of this product that cannot be used according to the label instructions or chemically reprocessed must be disposed of on site or at a landfill or waste disposal facility approved for pesticide disposal, or in accordance with all applicable Federal, state, or local regulations. For further guidance, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Empty containers retain vapor and product residues.

Nonrefillable Container (five gallons or less): 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 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. 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.

Nonrefillable Container (greater than five 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 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. 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.

Refillable Container (greater than 55 gallons): Refillable container. Refill this container with chlorothalonil 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 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. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire direction for use, conditions 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 risk 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 United Turf Alliance, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, United Turf Alliance, 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 United Turf Alliance, 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, United Turf Alliance, 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 United Turf Alliance, LLC's election, the replacement of product.

DiPel is a registered trademark of Valent Biosciences Corporation.
Triton and Latron are registered trademarks of Dow Agrosciences LLC.
Copper-Count® N is a registered trademark of Mineral Research and Development Corporation.

CYAZOFAMID | GROUP 21 | FUNGICIDE

Armor Tech

CYA 345

ACTIVE INGREDIENT:	(% BY WEIGHT)
Cyazofamid*	34.5%
OTHER INGREDIENTS:	65.5%
TOTAL:	100.0%

**4–chloro–2–cyano–N,N–dimethyl–5–(4–methylphenyl)–1H–imidazole–1– sulfonamide (CA)*

Contains 3.33 pounds of Cyazofamid per gallon (400 grams per liter).

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 inside label booklet for First Aid, Precautionary Statements and Directions for Use.

EPA Reg. No.: 91234-199-86064
EPA Est. No.: 67545-AZ-001[1]; 87431-MO-001[MM]
First letter(s) in lot number correspond to letter(s) following the EPA Est. No.

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway, Suite 403–282
Canton, GA 30115

NET CONTENTS: 1.2 QTS



FIRST AID	
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.
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 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 SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

For Chemical Emergency:
Spill, Leak, Fire, Exposure, or Accident,
Call CHEMTREC Day or Night
Within USA and Canada: 1–800–424–9300 or +1 703–527–3887 (collect calls accepted)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if 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, socks, shoes, and chemical resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride ≥ 14 mils, or Viton ≥ 14 mils.

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. 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, 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 break–down.

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 clothing.

PHYSICAL OR CHEMICAL HAZARDS
Do not use with or store near any oxidizing agents. Hazardous chemical reaction can occur.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to aquatic invertebrates. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated 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 waters when disposing of equipment wash waters or rinsate.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR. The interaction of many equipment– and weather–related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. Where states have more stringent regulations, they should be observed.

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 PLANT INJURY OR POOR DISEASE CONTROL.

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 twelve (12) hours.

PPE required for early entry to the 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), and
- shoes plus socks.

Sod and seed farms are within the scope of the Worker Protection Standard.

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 and to other non–residential turf areas such as industrial parks, tank farms, professionally managed college and professional sports fields, commercial lawns and ornamental landscapes are not within the scope of the Worker Protection Standard. Keep children, pets, and unprotected persons out of the treated area until sprays have dried.

PRODUCT INFORMATION

ArmorTech CYA 345 is a flowable suspension concentrate for control of Pythium and Downy mildew diseases on turf areas associated with golf courses (greens, tees and fairways), sod farms, seed farms, college and professional sports fields, residential and commercial lawns. Professional use only; application by home–owners to residential turf is prohibited.

INTEGRATED PEST MANAGEMENT

ArmorTech CYA 345 is an excellent disease control agent when used according to label directions for control of listed Oomycete fungi. Although ArmorTech CYA 345 has limited systemic activity, it should be utilized as a protectant fungicide and applied before the disease infects the crop.

Depending upon the level of disease pressure, good protection of the crop against disease can be expected over a period of 7 to 28 days.

ArmorTech CYA 345 is recommended for use as part of an Integrated Pest Management (IPM) program, which may include the use of disease–resistant crop varieties, cultural practices, crop rotation, biological disease control agents, pest scouting and disease forecasting systems aimed at preventing economic pest damage. 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. ArmorTech CYA 345 may be used in State Agricultural Extension advisory (disease forecasting) programs that recommend application timing based upon environmental factors that favor disease development.

RESISTANCE MANAGEMENT

Some plant pathogens are known to develop resistance to products used repeatedly for disease control. ArmorTech CYA 345's mode/target site of action is complex III of fungal respiration: ubiquinone reductase, Qi site (Fungicide Resistance Action Committee code 21). A disease management program that includes alternation and/or tank mixes between ArmorTech CYA 345 and other labeled fungicides that have a different mode of action and/or control pathogens not controlled by ArmorTech CYA 345 is essential to prevent disease resistant pathogen populations from developing. ArmorTech CYA 345 should not be utilized continuously nor tank mixed with fungicides to which the target diseases have developed resistance.

Since pathogens differ in their potential to develop resistance to fungicides, follow the directions outlined in the "Directions For Use" section of this label for specific resistance management strategies for each crop. Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of ArmorTech CYA 345 in programs that seek to minimize the occurrence of disease resistance. ArmorTech CYA 345 is not cross–resistant with other classes of fungicides that have different modes of action.

For resistance management, ArmorTech CYA 345 contains a Group 21 fungicide. Any fungal population may contain individuals naturally resistant to ArmorTech CYA 345 and other Group 21 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/bactericide resistance, take one or more of the following steps:

- Rotate the use of ArmorTech CYA 345 or other Group 21 fungicides within a growing season sequence with different groups that control the same pathogens.
- 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.
- 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 United Turf Alliance, LLC at (614) 284-4442. You can also contact your pesticide distributor or university extension specialist to report resistance.

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 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.

MIXING INSTRUCTIONS

IMPORTANT: Slowly invert ArmorTech CYA 345 container several times to assure uniform mixture of formulation before adding this product to the spray tank.

Fill the mixing tank with half of the required amount of water. The required amount of ArmorTech CYA 345 should be added slowly into the spray tank during filling to the required volume. Keep agitator running when filling spray tank and during spray operations. Do not allow spray mixture to stand overnight or for prolonged periods of time. Prepare only the amount of the spray mixture required for immediate use. Spraying equipment should be thoroughly cleaned immediately after the application is completed.

Apply ArmorTech CYA 345 in sufficient water to obtain adequate coverage of the foliage. Gallonage to be used will vary with crop and amount of plant growth.

TANK MIX COMPATIBILITY

ArmorTech CYA 345 is physically compatible (no nozzle or screen blockage) with many products labeled for control of diseases and insects on turf grass. 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. It is the applicator's responsibility to ensure that the companion product is EPA approved for use on the intended crop. ArmorTech CYA 345 is generally compatible with other insecticides, fungicides, fertilizers and micronutrient products provided sufficient free water is available for dispersion of all the tank mix products. However, the physical compatibility of ArmorTech CYA 345 with tank mix partners should be evaluated before use. A jar test should be conducted with intended tank–mix pesticides 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 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 ArmorTech CYA 345 should not be used in the tank–mix.

TURF

ArmorTech CYA 345 controls Pythium blight, Pythium damping–off, Pythium root dysfunction and Pythium root rot in turf. Within the rate range given for turf, use the lower rate for the shortest interval and higher rate for the longest interval. Under severe disease conditions, use the highest rate and shortest interval. Use only with ground application equipment.

Restrictions:

- DO NOT apply more than three (3) applications of ArmorTech CYA 345 at the high use rate per year.
- DO NOT apply more than two consecutive applications of ArmorTech CYA 345. Subsequent applications should be alternated with another registered fungicide with a different mode of action.
- DO NOT apply more than 2.7 fl oz/1000 square feet/year (3.06 lb. a.i./acre/year).
- DO NOT apply more than 0.9 fl oz/1000 square feet/application (1.02 lb a.i./acre/application).
- The minimum retreatment interval is 14 days.

For Application to Turf:

Disease	Use Rate Fl. Oz. Product per 1,000 sq. ft. (lb a.i./A)	Application Interval (Days)	Application Instructions
Pythium blight, Pythium damping–off	0.45 to 0.9 fl. oz. (0.51 to 1.02 lb a.i./A	14 to 21	Apply as a preventative treatment at 0.45 to 0.9 fl oz (0.01 lb ai to 0.02 lb ai) in 2 to 4 gallons of water per 1,000 sq. ft. On established turf apply as a preventative treatment when conditions are favorable for disease development, or when first visible disease symptoms appear. During periods of prolonged favorable conditions use 0.45 fl oz (0.01 lb ai) per 1,000 sq. ft. on a 14–day interval. For newly seeded areas use 0.45 fl oz (0.01 lb ai) in 2 to 4 gallons per 1,000 sq. ft. immediately after seeding. Under severe conditions use the highest rate and the shortest interval.
Pythium root dysfunction	0.9 fl. oz. (1.02 lbs a.i./A)	14 to 28	Apply as a preventative treatment every 21 to 28 days in the fall and spring when mean daily soil temperatures are between 50˚F and 75˚F. Curative applications should be made every 14 to 28 days based on the appearance of symptoms. Immediately follow application with 1/8–inch irrigation.
Pythium root rot	0.9 fl. oz. (1.02 lbs a.i./A)	21	Apply as a preventative treatment every 21 days. Immediately follow application with 1/8–inch irrigation.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Pesticide spray mixture or rinsate that cannot be used 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 cannot 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 HANDLING:
For plastic containers ≤ 5 gallons:
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 puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY
IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following 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, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of United Turf Alliance, 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, United Turf Alliance, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label.
LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, neither United Turf Alliance, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. 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, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

ArmorTech CYA 345 is a trademark of United Turf Alliance, LLC

ArmorTech®

IP 238

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)*	23.8%
OTHER INGREDIENTS:	76.2%
TOTAL:	100.0%

*Equivalent to 2 pounds Iprodione per gallon.
This product contains petroleum distillate.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

EPA Reg. No: 53883-375-86064

EPA Est. No: 37429-GA-001^{BT}, 37429-GA-002^{BO}

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway, Suite 403-282
Canton, GA 30115

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.
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.
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 SafetyCall® (866) 897-8050 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
This product may pose an aspiration pneumonia hazard. Contains petroleum distillates.	

Net Contents: 2.5 Gallons

United Turf Alliance

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, others exposed to the concentrate, cleaners/repairers of equipment, and applicators applying as a dip treatment must wear long-sleeved shirt and long pants, chemical resistant gloves such as barrier laminate, nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), or viton (≥ 14 mils), chemical-resistant apron, and chemical-resistant footwear plus socks.

Applicators using hand-held equipment must wear coveralls over long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate, nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), or viton (≥ 14 mils), chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposures, and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter.

Applicators using aircraft or mechanical ground equipment (groundboom, airblast, etc.), and flaggers for aerial applications must wear long-sleeved shirt and long pants, and shoes plus socks.

Applicators using truck-mounted equipment with a handgun at the end of a hose (i.e., for commercial turfgrass or ornamental applications) and all other handlers not specified above must wear long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate, nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), or viton (≥ 14 mils), and shoes plus socks.

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. 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 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 chemical can contaminate surface water through aerial and 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.

This pesticide is toxic to 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.

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 of 12 hours for ornamental uses. The restricted entry interval for all other WPS uses is 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 barrier laminate, nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), or viton (≥ 14 mils)
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to ornamental and turf 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.

GENERAL USE DIRECTIONS

ArmorTech IP 238 is a fungicide recommended for control of spring, summer, fall and winter diseases on non-residential turf located on golf courses, sod farms and institutional areas where fine turf is grown, and on non-residential ornamental flowers and foliage plants grown in field and landscape nurseries or greenhouses, and in conifer nurseries.

Follow all directions, recommendations and precautions and limitations on this label to obtain optimum disease control and to prevent crop injury.

Do not apply this product to residential turf and/or ornamentals.

Do not apply this product when the wind direction is toward aquatic areas. Refer to the Spray Drift management section of this label.

TURF

Applied according to good turf management practices, ArmorTech IP 238 is an effective tool in controlling spring, summer and fall diseases and in controlling certain winter diseases.

Mixing and Application Instructions: Use the following tables to determine the recommended rates depending on the disease. Prepare only the amount of spray mixture required for a single day's (12 hours) application to avoid decomposition of the product. Add the required amount of ArmorTech IP 238 to 0.5 to 10 gal water per 1,000 sq. ft. Agitate the spray mixture during mixing and application in a properly calibrated sprayer. Apply when disease first appears or when disease development can be expected. Apply to ensure uniform coverage of the turf but do not drench.

Use the higher rate and/or shorter spray interval between applications for severe disease conditions. The lower rates and longer intervals between applications are recommended for light to moderate disease pressure.

Restrictions:

- Do not apply to turf cut higher than 1" on golf holes where water bodies are present.
- 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.
- Do not mow or irrigate treated areas until the grass is completely dry, which typically takes 24 hours post-treatment.
- Do not mix with any sticker, extender, or wetting agents.
- Do not apply more than 35 fl. oz. product/1,000 sq. ft. per year.
- Do not apply more than 6 applications per year.
- Do not allow animals to graze on treated turf and do not feed clippings from treated turf to livestock or poultry.

TURF DIRECTIONS FOR USE – Spring, Summer and Fall Diseases

DISEASE	APPLICATION RATE (FL. OZ. PER 1,000 SQ.FT.)	APPLICATION INSTRUCTIONS	RESTRICTIONS AND COMMENTS
Anthracnose (*Colletotrichum*)	4 to 8	Apply ArmorTech IP 238 as a tank mix with registered trifloxystrobin or fosetyl-al products, or other fungicides which control anthracnose.	For suppression only.
Corticium Red Thread (*Laetisaria fuciformis*)	4	Apply as a preventative every 14 days as long as required.	
Curvularia (*Curvularia* sp.)	4 to 8	Apply as a preventative every 14 days as long as required.	For use on Bermuda Grass only
Dollar Spot (*Lanzia* spp. and *Moellerodiscus* spp.) Brown Patch (*Rhizoctonia solani*) Leaf Spot such as *Helminthosporium* Leaf Spot caused by (*Drechslera* spp.)	3 to 4 [Dollar Spot control on Fairways: 2 to 4]	**Greens and Tees:** Make repeat applications at 14 to 21 day intervals as long as required. **Fairways and Other Turf Areas:** Make repeat applications at 14 to 28 day intervals as long as required.	
Fusarium Blight (*Fusarium* spp.) Necrotic Ring Spot # (*Leptosphaeria korrae*)	8	Apply as a preventative foliar spray when conditions first favor disease development. Apply repeat applications as needed at 28-day intervals.	# Not registered for use in California.
Fusarium Patch (*Microdochium nivalis*)	4 to 8	Make additional applications at 14 to 21 day intervals as long as required.	For application in the Pacific Northwest Only – West of the Cascade Mountains
Large Patch (*Rhizoctonia solani*)	4	Make first application in fall when conditions are favorable for disease development but no symptoms are visible. Apply in the spring as needed on 14-21 day spray intervals.	Not registered for use in California.

TURF DIRECTIONS FOR USE – Winter Diseases

DISEASE	APPLICATION RATE (FL. OZ. PER 1,000 SQ.FT.)	APPLICATION INSTRUCTIONS	RESTRICTIONS AND COMMENTS
Gray Snow Mold (*Typhula* spp.) Pink Snow Mold (*Fusarium nivale*)	4 to 8	Make an application prior to the first permanent snow cover. A second application may be made during a mid-winter thaw.	See additional directions below for use of tank mixes of ArmorTech IP 238 plus other fungicides for control of this disease.

TANK MIXES

Additional Disease Control: ArmorTech IP 238 is compatible with most commonly used registered fungicides containing flutolanil, azoxystrobin and trifloxystrobin. These tank-mixes are useful for control of additional diseases in turf. Follow the label directions and use precautions for all tank-mix partners and ensure that the use of that fungicide is registered for use on turf. Verify the compatibility of the tank mix partner with ArmorTech IP 238 before making an application.

When applied as a tank-mix, follow all restrictions noted above for use of ArmorTech IP 238 alone.

Broad Spectrum Disease Control and Resistance Management: Apply ArmorTech IP 238 with the registered thiophanate-methyl fungicide product, Quali-Pro® TM 4.5 Flowable, for broad spectrum turf disease control. This tank mixture aids in resistance management practices required for other fungicides susceptible to resistance. Apply 3 fl. oz. per 1,000 sq. ft. of ArmorTech IP 238 with Quali-Pro® TM 4.5 Flowable according to the following table:

Disease Pressure	Low	Medium (for more dollar spot and brown patch)	High
Amount of thiophanate-methyl in tank mix	1.0 fl. oz./1000 sq. ft.	1.0 fl. oz./1000 sq. ft	2.0 fl. oz./1000 sq. ft.

Summer Stress Complex/Summer Decline: Tank-mix applications of 4 to 8 fl. oz. per 1,000 sq. ft. of Chipco® Signature™ Fungicide with 3 to 4 fl. oz. per 1,000 sq. ft. ArmorTech IP 238 to help manage these diseases.

***Pythium* Blight:** *Pythium* blight will be controlled by a tank-mix of ArmorTech IP 238 with one of the following: fosetyl-al or propamocarb hydrochloride fungicides. Follow the label directions and use precautions for all tank-mix partners and ensure that the use of that fungicide is registered for use on turf.

Gray Snow Mold (*Typhula* spp.): To use ArmorTech IP 238 as a tank-mix in sites where continuous snow cover occurs, use 4 to 8 fl. oz. per 1,000 sq. ft. with one of the following registered products: chlorothalonil, such as Quali-Pro® Chlorothalonil 720 SFT, or pentachloronitrobenzene (PCNB) fungicides. Use the rates according to the directions on the labels of the registered tank mix partner products.

For optimum control, application must be made in autumn prior to snow cover. Ensure thorough coverage is attained by dilution in sufficient water (1 to 5 gallons of spray solution per 1,000 sq. ft.). If the turf has been frozen prior to application, use the higher rate of ArmorTech IP 238, and make a repeat application only if a thaw occurs and all snow cover has melted.

ORNAMENTALS - FIELD, LANDSCAPE AND GREENHOUSE ORNAMENTALS AND CONIFER NURSERIES

Applied according to the label directions below, ArmorTech IP 238 may be applied either as a foliar spray, as a soil drench, or as a dip application to ornamental flowers and foliage to control certain diseases.

Restrictions:

- For use by commercial nursery and landscape personnel only.
- Do not apply to residential ornamentals.
- When applying this product adjacent to a water body (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, or commercial fishpond), there must be at least a 25-foot vegetative buffer strip between the water body and the point of application.

Mixing and Application Instructions: Use the tables below to determine the recommended rates of ArmorTech IP 238. Prepare only the amount of spray mixture required for a single day's (12 hours) application to avoid decomposition of the product. Add the required amount of ArmorTech IP 238 to water. Agitate the spray mixture during mixing and application in a properly calibrated sprayer. Apply when disease first appears or when disease development can be expected. Follow additional directions, below, for foliar, drench or dip applications.

List of Diseases:

1.	Aerial Web Blight	*Rhizoctonia* sp.
2.	Alternaria Leaf Blight	*Alternaria euphorbiae*
3.	Alternaria Leaf Spot	*Alternaria panax, Alternaria tenuissima*
4.	Botrytis Blight	*Botrytis* sp.
5.	Fusarium Leaf Spot	*Fusarium moniliforme*
6.	Helminthosporium Leaf Spot	*Helminthosporium* sp.
7.	Rhizoctonia stem and root rot	*Rhizoctonia* sp.
8.	Ink Spot	*Drechslera iridis*
9.	Tulip Fire	*Botrytis tulipae*
10.	Alternaria Leaf Blight	*Alternaria zinniae*
11.	Ray Blight	*Ascochyta chrysanthami*
12.	Fusarium Corm rot	*Fusarium oxysporum*
13.	Daffodil Leaf Scorch	*Stagnospora curtissi*
14.	Blossom Blight	*Monilinia fructicola*
15.	Botrytis Storage Rot	*Botrytis* sp.
16.	Cylindrocladium Blight and Wilt	*Cylindrocladium scoparium*

TABLE 1

List of Ornamentals:

ArmorTech IP 238 is recommended for use on the following ornamentals. Although ArmorTech IP 238 has been tested for plant tolerance and found to be acceptable for the specific genera and species listed on this label, it is impossible to test every species or variety of ornamental plant grown under different conditions for its tolerance to ArmorTech IP 238 Fungicide. The user should test a few plants using the recommended rates if they are not listed on this label and evaluate for possible phytotoxicity before using ArmorTech IP 238 on a large scale

Ageratum (1 to 7)	Dieffenbachia (1 to 7)	Peach (ornamental) (1 to 7)
Ajuga (1 to 7)	Dizygotheca (1 to 7)	Peperomia (1 to 7)
Almond (ornamental) (1 to 7)	Dogwood (1 to 7)	Periwinkle (1 to 7)
Alyssum (1 to 7)	Dracena (1 to 7)	Philodendron (1 to 7)
Andromeda (1 to 7)	English Ivy (1 to 7)	Phlox (1 to 7)
Aphelandra (1 to 7)	Episcia (1 to 7)	Pilea (1 to 7)
Artemisia (1 to 7)	Euonymous (1 to 7)	Pine (1 to 7)

Aster (1 to 7)	Ficus (1 to 7)	Pitosporum (1 to 7)
Azalea (1 to 7, 16)	Forsythia (1 to 7)	Plum (ornamental) (1 to 7, 14)
Boxwood (1 to 7)	Gazania (1 to 7)	Poinsettia (1 to 7)
Cactus (1 to 7)	Geranium (1 to 7)	Poppy (1 to 7)
Calendula (1 to 7)	Gladiolus (1 to 7, 12)	Pothos, (excluding soil drench application for *Rhizoctonia* stem and root rot) (1 to 6)
Carnation (1 to 7)	Gloxinia (1 to 7)	Primrose (1 to 7)
Cherry (ornamental) (1 to 7)	Gypsophila (1 to 7)	Privet (1 to 7)
Chrysanthemum (1 to 7, 11)	Hawthorn (1 to 7)	Protea (1 to 7)
Cineraria (1 to 7)	Holly (1 to 7)	Pyracantha (1 to 7)
Cistena Plum (1 to 7, 14)	Hoya (1 to 7)	Rhododendron (1 to 7, 16)
Coleus (1 to 7)	Hydrangea (1 to 7)	Rose Tree of China (1 to 7)
Columbine (1 to 7)	Impatiens, (excluding soil drench application for *Rhizoctonia* stem and root rot) (1 to 7)	Rose (1 to 7, 15)
Coral Bells (*Heuchera*) (1 to 7)	Iris (1 to 8)	Salvia (1 to 7)
Crape Myrtle (1 to 7)	Juniper (1 to 7)	Schefflera (1 to 7)
Crassula (1 to 7)	Kalanchoe (1 to 7)	Snapdragon (1 to 7)
Croton (1 to 7)	Lilies (1 to 7)	Statice (1 to 7)
Cyclamen (1 to 7)	Lipstick Vine (*Aeschynanthus*) (1 to 7)	Tree Ivy (1 to 7)
Daffodils (1 to 7, 13)	Marigold (1 to 7)	Tulip (1 to 7, 9)
Dahlia (1 to 7)	Monarda (Bee Balm) (1 to 7)	Viburnum (1 to 7)
Delphinium (1 to 7)	Pachysandra (1 to 7)	Violet (1 to 7)
Deutzia (1 to 7)	Palm (1 to 7)	Zinnia (1 to 7, 10)
Dianthus (1 to 7)	Pansy (1 to 7)	

Foliar Applications: Make applications of ArmorTech IP 238 when disease develops or if conditions are favorable for disease development. Foliar applications may be made to all ornamentals listed in Table 1.

DISEASE	APPLICATION RATE OF ArmorTech IP 238 (QT. PER ACRE)	APPLICATION INSTRUCTIONS	RESTRICTIONS
Aerial Web Blight (*Rhizoctonia* sp.) Alternaria Leaf Blight (*Alternaria euphorbiae*) Alternaria Leaf Spot (*Alternaria panax*) (*Alternaria tenissima*) Botrytis Blight (*Botrytis* sp.) Fusarium Leaf Spot (*Fusarium moniliforme*) Helminthosporium Leaf Spot (*Helminthosporium* sp.)	1.0 to 2.5	Apply ArmorTech IP 238 as a foliar spray in sufficient water to ensure thorough coverage of the plant foliage. Make repeat applications as needed every 7 to 14 days. Under severe disease pressure, use the highest rate listed and/or the shortest interval between applications. When disease pressure is light to moderate, use the lower rates and longer spray intervals.	Do not apply ArmorTech IP 238 on *Spathiphylium* (Peace lily or White Anthurium). Do not apply more than 2.5 qts. product/acre per application. Do not make more than 4 applications per crop per year.

Drench Applications: Use ArmorTech IP 238 as a soil drench at seeding and/or after transplanting to control *Rhizoctonia*. Drench applications may be made to all ornamentals listed in Table 1 except Impatiens and Pothos.

DISEASE	APPLICATION RATE OF ArmorTech IP 238 (AMOUNT PER 100 GAL)	APPLICATION INSTRUCTIONS	RESTRICTIONS
Stem and Root Rot (*Rhizoctonia* spp.)	13 fl. oz.	Apply ArmorTech IP 238 using 1 to 2 pints of the drench solution per sq. ft. of soil. Make repeat applications as needed every 14 days. Use the highest rate listed for severe disease pressure and the lower rate for light to moderate disease pressure.	Do not exceed a total of 35 fluid oz. product/1000 sq. ft. (24 lb AI per acre) per year. Do not make more than 6 applications per year. **NOTE:** Do not use ArmorTech IP 238 as a drench on Impatiens and Pothos. Do not use ArmorTech IP 238 on *Spathiphylium* (Peace lily or White Anthurium).

FOR DISEASES SPECIFIC TO CERTAIN ORNAMENTALS

Foliar Applications: Make applications of ArmorTech IP 238 when disease develops or if conditions are favorable for disease development.

DISEASE	ORNAMENTALS	APPLICATION RATE OF ArmorTech IP 238 (QT. PER ACRE)	APPLICATION INSTRUCTIONS
Alternaria Leaf Blight (*Alternaria zinniae*)	For use on Zinnia	1.0 to 2.5	Apply ArmorTech IP 238 as a foliar spray in sufficient water to ensure thorough coverage of the plant foliage. Make repeat applications as needed every 7 to 14 days. Under severe disease pressure, use the highest rate listed and/or the shortest interval between applications. When disease pressure is light to moderate, use the lower rates and longer spray intervals.
Ink Spot (*Drechslera iridis*)	For use on Iris		
Ray Blight (*Ascochyta chrysanthami*)	For use on Chrysanthemum		
Tulip Fire (*Botrytis tulipae*)	For use on Tulips		
Daffodil Leaf Scorch (*Stagnospora curtissi*)	For use on Daffodils		
Blossom Blight (*Monilinia fructicola*)	For use on Cistena Plum		
Restrictions: • Do not apply more than 2.5 qts. product/acre per application. • Do not make more than 4 applications per crop per year.			

Dip Applications: Apply ArmorTech IP 238 as a dip to control diseases of the ornamentals listed in the table below.

DISEASE	ORNAMENTALS	APPLICATION RATE OF ArmorTech IP 238 (QT. PER 100 GAL.)	APPLICATION INSTRUCTIONS
Botrytis Storage Rot (*Botrytis* sp.)	For use on Roses	1.0	Dip the rose plant roots for 5 minutes prior to cold storage.
Cylindrocladium Blight and Wilt (*Cylindrocladium scoparium*)	For use on Azalea and Rhododendron	1.0	Dip cuttings of azaleas and rhododendron for 5 minutes before planting.
Fusarium Corm Rot (*Fusarium oxysporum*)	For use on Gladiolus	2.0	Dip the gladiolus corms for 5 minutes prior to storage.

TANK MIXES

Additional Disease Control: Other diseases that may infect ornamentals can be treated with tank mixes of ArmorTech IP 238 with other commonly used fungicides. *Pythium* and *Phytophthora* are controlled by tank-mixes of ArmorTech IP 238 with any fosetyl-al-containing pesticide registered for use on ornamentals. Refer to the label of the tank-mix partner for a full list of diseases controlled, application rates and directions for use. Verify the compatibility of the tank mix partner with ArmorTech IP 238 before making an application.

When applied as a tank mix, follow all restrictions noted above for ornamental uses when ArmorTech IP 238 is used alone.

DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Do not use through sprinkler irrigation systems in California.

Apply this product only through sprinkler irrigation systems including 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 ArmorTech IP 238 in a mix tank. Fill tank with ½ to ¾ the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of ArmorTech IP 238 and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label of ArmorTech IP 238 per 1 to 4 gallons of water are recommended). Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of ArmorTech IP 238 into the irrigation water line so as to deliver the desired rate per acre. The suspension of ArmorTech IP 238 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: When treatment with ArmorTech IP 238 has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time. 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 shutdown. 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 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 or lack of effectiveness may result from non-uniform 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 must 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.

SPRAY DRIFT

Avoiding spray drift at the application site is the responsibility of the applicator. 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. 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 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.

When states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information, below.

Aerial Drift Reduction Advisory 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 environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions below).

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.

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, smaller 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.

Sensitive Areas: This pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store only in original container.

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:

Nonrefillable Container (five gallons or less): 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 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 or reconditioning, or 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.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions 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 United Turf Alliance, LLC. All such risks shall be assumed by the user or buyer.

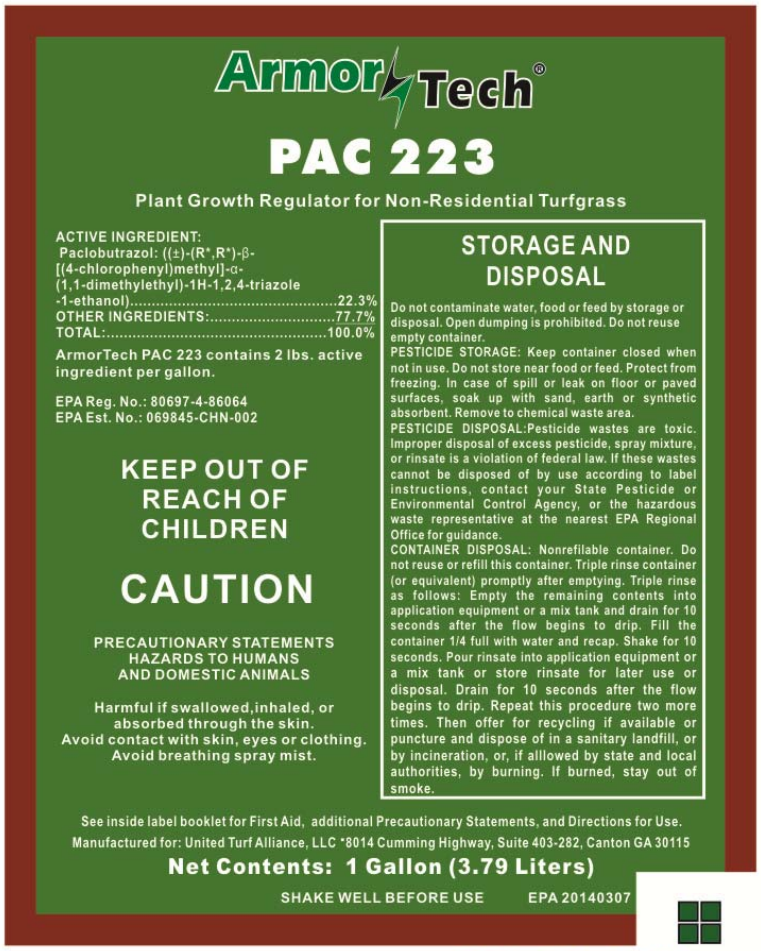
DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, United Turf Alliance, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of United Turf Alliance, 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, United Turf Alliance, 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 United Turf Alliance, LLC's election, the replacement of product.

ArmorTech is a registered trademark of United Turf Alliance, LLC.

Quali-Pro is a registered trademark of ADAMA Group Company.

Chipco is a registered trademark and Signature is a trademark of Bayer.


ArmorTech®
PAC 223
Plant Growth Regulator for Non-Residential Turfgrass
ACTIVE INGREDIENT:
Paclobutrazol: ((±)-(R*,R*)-β-[(4-chlorophenyl)methyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol).....22.3%
OTHER INGREDIENTS:.....77.7%
TOTAL:.....100.0%
ArmorTech PAC 223 contains 2 lbs. active ingredient per gallon.
EPA Reg. No.: 80697-4-86064
EPA Est. No.: 069845-CHN-002
KEEP OUT OF REACH OF CHILDREN
CAUTION
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS
Harmful if swallowed,inhaled, or absorbed through the skin.
Avoid contact with skin, eyes or clothing.
Avoid breathing spray mist.
STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.
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 DISPOSAL: Nonrefilable 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 alllowed by state and local authorities, by burning. If burned, stay out of smoke.
See inside label booklet for First Aid, additional Precautionary Statements, and Directions for Use.
Manufactured for: United Turf Alliance, LLC *8014 Cumming Highway, Suite 403-282, Canton GA 30115
Net Contents: 1 Gallon (3.79 Liters)
SHAKE WELL BEFORE USE
EPA 20140307
United Turf Alliance
PULL HERE TO OPEN

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.
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 PROSAR (800) 308-5391 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT

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, neoprene rubber, 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. Wash PPE after each day's use.

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

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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

Failure to follow directions and precautions on this label may result in plant injury or poor disease control.

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. Read all label directions carefully before use.

Do not apply this product when wind speed favors drift beyond the area intended for treatment.

Do not use on residential lawns.

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:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton
- Shoes plus socks

GENERAL INFORMATION

ArmorTech PAC 223 is a systemic plant growth regulator that slows vegetative growth by inhibiting gibberellin biosynthesis for use on turfgrass.

For turf, when ArmorTech PAC 223 is 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 on St. Augustine grass and Kentucky bluegrass/perennial ryegrass turf areas, as well as established bent grass, hybrid bermuda grass and perennial ryegrass tees, fairways and roughs.

Following ArmorTech PAC 223 applications, turf will gradually undergo increased greening and density, which may persist up to 12 weeks.

ArmorTech PAC 223 can be used on turfgrass in the following areas: golf courses, (tees, fairways, greens and rough), athletic fields, commercial and industrial areas, parks, and boulevards.

NON-RESIDENTIAL TURF

ArmorTech PAC 223, a specialty plant growth regulator that slows vertical grass growth and reduces mowing for up to two (2) months after application. The frequency of mowing can be reduced by up to 50% during the period of effective retardation. Use of ArmorTech PAC 223 on fine turf should be accompanied by moderate-to-high fertility to maintain turfgrass appearance and reduce discoloration.

ArmorTech PAC 223 can be used on turfgrass in the following areas: golf courses, (tees, fairways, greens and rough), athletic fields, commercial and industrial areas, parks, and boulevards.

USE DIRECTIONS

Turf	Application Rate (Product amount/a.i.-lbs per acre)	Potential Effects
St Augustine, Bermuda & similar warm season grasses	0.5 lbs. a.i. 32 fl. oz prod/A (Sandy soil) 0.75 lbs a.i. 48 fl. oz prod/A (Clay soil)	Reduced mowing for 6-8 weeks on established hybrid bermudagrass, bent grass and perennial ryegrass fairways, tees and roughs and on St. Augustinegrass and Kentucky bluegrass/perennial ryegrass turf. Following application, turf will gradually increase in density with tighter knit areas of turfgrass. This will result in a reduced potential for scalping of all turfgrass areas. Suppression of *Poa annua* by reducing its growth and its compatibility, leading to selective control after prolonged use.
Bluegrass, Rye, Fescue, Bent & similar cool season grasses (except putting greens)	0.25 to 0.50 lbs a.i. 16 -32 fl. oz prod/A Reduce by 50% if *Poa annua* is a major turfgrass population	
Bentgrass Putting Greens & Overseeded Bermuda	0.10 to 0.25 lbs a.i. 6.4 -16 fl. oz prod/A	

Apply ArmorTech PAC 223 with standard pressurized application equipment with by-pass or mechanical agitation using 50 mesh strainer to turf in sufficient amount of water (minimum 1 gal water /1,000 sq ft. = 43.5 gals/Ac) to ensure spray coverage uniformly to turf and to avoid skipping and/or overlapping.

For best results, use 2 to 5 gals water /1,000 sq ft. and apply 0.25 inch of water within 24 hours after application to remove product from foliage and onto soil surface.

ArmorTech PAC 223 can be used any time when established hybrid bermudagrass and St. Augustinegrass are green, actively growing and have recovered from dormancy after winter.

ArmorTech PAC 223 can be applied 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.

Apply anytime after overseeded turf has established itself successfully. Do not apply after March 15th to avoid delay in Bermudagrass green-up.

Maintain moderate soil moisture conditions before and after each application to achieve best plant growth retardation effect. A repeat application of ArmorTech PAC 223 within the same growing season may be made 8 weeks apart for growth regulation & 4 to 6 weeks apart for color, quality enhancement after the initial application. Do not apply more than 4 quarts per acre per year (2 lbs. a.i./A).

ArmorTech PAC 223 will not prevent seedhead production if used alone. A tank mixture for a spray program using a seed head control agent (Embark®) is required when seedhead visibility is a problem. If Embark is used for *Poa annua* seedhead control, apply ArmorTech PAC 223 at least 14 days after the Embark application.

Weeds, Insects and Diseases:

If crabgrass or other annual grassy weeds have been a problem in the past, an application of an appropriate preemergence weed control product should be made before the use of ArmorTech PAC 223. Space applications of ArmorTech PAC 223 and preemergence product (Goosegrass/Crabgrass Preventer) at least 4 weeks apart.

Broadleaf weeds are not significantly affected by ArmorTech PAC 223. To control the growth of weeds, treat with an appropriate herbicide when weeds are actively growing. Carefully follow label directions.

If a weed, disease, or insect problem occurs after application of ArmorTech PAC 223, apply control product at the

recommended rate. ArmorTech PAC 223 is compatible with most existing control products. A compatibility test should be conducted with product(s) with which you do not have prior experience.

Regulator response and Turf cultivar

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

Sensitivity/Activity	Cultivar	Period of Growth Regulation	Period of Color Response
Medium/Good	Tifway I, II	5 - 6 weeks	6 - 8 weeks
High/Excellent	Tifgreen, Ormond	6 - 8 weeks	8 - 10 weeks

ST. AUGUSTINEGRASS

Sensitivity/Activity	Cultivar	Period of Growth Regulation	Period of Color Response
Low/Moderate	Floratam, Floralawn	4 - 6 weeks	5 - 8 weeks
Medium/Good	Floratine, Raleigh, Texas, Common	6 - 7 weeks	7 - 8 weeks
High/Excellent	Bitter Blue, Seville	7 - 8 weeks	8 - 10 weeks

GENERAL 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.

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* 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.

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.

Do not use on areas to be cultivated for food or food crops or to be resown with grasses within two years of treatment.

Do not apply more than 4 qts. per acre per year (2 lbs. a.i./A).

Do not graze treated areas or harvest for forage or hay.

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

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 DISPOSAL: 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 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

United Turf Alliance, 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 strict accordance with the directions, subject to the inherent risks set forth below.

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such use or the results to be obtained if not used in accordance with printed directions and established safe practice. To the fullest extent permitted by law, buyer's exclusive remedy and manufacturer's or seller's exclusive liability for any and all claims, 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.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop 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 temperatures, 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 United Turf Alliance, LLC or the seller. All such risks shall be assumed by buyer.

Terms and Conditions of Use

If terms of the Limited Warranty & Disclaimer and Inherent Risks of Use 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 and Inherent Risks of Use.

Embark® is a trademark of PBI/Gordon Corp

Label Code No.: UTA-PGR80697486064
EPA 20140307
Created Date: 06/25/2014
(Made In China)

ArmorTech®

PGR 113 MC

For Turf Growth Management

A microemulsion concentrate for managing growth, improving quality, and stress tolerance and edging of warm- and cool- season turfgrasses

ACTIVE INGREDIENT:	**% BY WT**
Trinexapac-ethyl (CAS No.: 95266-40-3)	11.3%
OTHER INGREDIENTS:	88.7%
TOTAL:	**100.0%**

EPA Reg. No. 86064-3

EPA Est. No. 37429-GA 001[BT]; 37429-GA-002[BO]
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway,
Suite 403-282
Canton, GA 30115

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 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **For emergency information call Poison Control at 1-800-222-1222 or the National Pesticide Information Center (NPIC) at 1-800-858-7378.**	
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.	

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

Net Contents: 1 gallon (3.78 liters)

United Turf Alliance

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

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.

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 washwater. Do not apply when weather conditions favor drift from treated areas.

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.

ArmorTech PGR 113 MC is a plant growth regulator and is an odorless micro emulsion concentrate (MEC). ArmorTech PGR 113 MC mixes completely with water and may be tank mixed with many commonly used pesticides and liquid fertilizers.

ArmorTech PGR 113 MC is effective only by absorption through the grass foliage and not by plant uptake of the product through the soil. Within one hour after application, ArmorTech PGR 113 MC will not wash off the grass foliage. A number of factors affect the activity and performance of ArmorTech PGR 113 MC when used for growth management of turfgrasses including but not limited to the following:

- Environmental conditions
- Turfgrass management and cultural practices that affect grass growth and vigor
- Level of plant fertility
- Availability of moisture
- Plant vigor
- State of grass growth

Watering-in is not necessary for activation of ArmorTech PGR 113 MC.

When an adjuvant is to be used with this product, United Turf Alliance, LLC suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

TURFGRASS: ArmorTech PGR 113 MC reduces the growth of warm- and cool-season turfgrasses. When used according to directions for turf growth management, ArmorTech PGR 113 MC reduces the frequency of mowing and the amount of grass clippings generated by mowing. ArmorTech PGR 113 MC applications may also increase the color, quality, and density of turf.

ArmorTech PGR 113 MC can be applied to the following sites that have well-maintained, quality turfgrass areas:

- lawns (residential and commercial)
- golf courses
- sod farms
- sports fields, cemeteries, and similar areas
- difficult-to-mow areas

ArmorTech PGR 113 MC minimizes the need for edging of turfgrass along sidewalks, curbs, parking lots, driveways, flower beds, fences and around posts, storage sheds, and trees.

USE DIRECTIONS FOR APPLICATION TO TURFGRASS

MOWING

ArmorTech PGR 113 MC generally provides greater suppression when turfgrasses are maintained at lower mowing heights and the application rates in this label have been selected for typical mowing heights; be sure to adjust the application rate based on the actual mowing conditions under which ArmorTech PGR 113 MC will be applied. To minimize possible turf injury, apply ArmorTech PGR 113 MC at least 4 hours before mowing or 1 hour after mowing.

EQUIPMENT

ArmorTech PGR 113 MC may be applied using backpack sprayers, hand sprayers, boom sprayers, and with spray gun application devices. Be sure to clean the spray equipment thoroughly before use and make sure the sprayer is calibrated and capable of accurate and uniform application. Rinse sprayer with clean water after use and dispose of rinsate according to label directions.

MIXING INSTRUCTIONS

1. Add ArmorTech PGR 113 MC to a sufficient amount of water (ex., 0.5 to 4.0 gallons of water per 1,000 sq. ft.)
2. Mix only the volume of spray mixture required for the square footage to be treated.
3. Ensure adequate agitation during application.
4. When ArmorTech PGR 113 MC is used as a tank mix with other products, agitation is required.
5. Apply ArmorTech PGR 113 MC in a uniform manner to ensure thorough coverage of the crop.

For tank mixtures, use only if the mixing partner is registered for this use. Do not mix ArmorTech PGR 113 MC 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.

Backpack and Hand Sprayers (0.5-4.0 gal. capacity)

ArmorTech PGR 113 MC Alone: Add all of the required water to the mix tank followed by the appropriate amount of ArmorTech PGR 113 MC. Close the sprayer and vigorously shake. Begin application.

Boom and Hand Gun Sprayers

ArmorTech PGR 113 MC Alone: Add all the required amount of water to the spray tank. Then, while agitating, add ArmorTech PGR 113 MC.

ArmorTech PGR 113 MC Plus Tank Mixtures: Before mixing ArmorTech PGR 113 MC with other components, determine the compatibility of the tank mix using the **TANK MIX COMPATIBILITY TEST** below. Once the compatibility of the mixture is assured, add the products (such as carrier or other pesticide products) to the spray tank in the order noted below:

1. Add ½ of the required amount of water to the spray tank.
2. Keep the tank mix agitated to ensure formation of a uniform suspension.
3. Add any products that are packaged in water-soluble bags first. Keep the tank mix agitated to ensure that the water-soluble bags dissolve and the contents dispersed in the tank mix. Continue agitation and then add water-dispersible granules (WG), followed by wettable powders (WP). Before adding other products, ensure complete dispersal of the solid products.
4. Add emulsifiable concentrates (EC).
5. Add flowable liquids (FL) or suspension concentrates (SC).
6. Add ArmorTech PGR 113 MC.
7. Add spray adjuvant and spray markers. Use surfactants approved for application to turf. Check surfactant label before use.
8. Add the remainder of the water.
9. Agitate tank mix combinations. Do not let mixtures sit in the spray tank without agitation. Only prepare the amount of spray mix required for use on one day and apply it all that day.

TANK MIX COMPATIBILITY TEST

Add relative proportionate amounts of ArmorTech PGR 113 MC, other products to be used, and the water in a clear glass quart jar with lid. Close the lid and invert the jar several times and observe the mixture for approximately 30 minutes. **The mixture is not compatible if the following is observed:** formation of balls, flakes, sludges, gels, oily films or layers; or precipitates.

APPLICATION NEAR AND AROUND MONUMENTS AND HARDSCAPE MATERIALS

At normal dilution rates, ArmorTech PGR 113 MC will not stain brass, bronze, concrete, marble, granite, or other types of stone. Prior to using ArmorTech PGR 113 MC around other materials, test on a small scale basis first.

PRE-STRESS CONDITIONING OF TURFGRASS

Multiple ArmorTech PGR 113 MC applications, in conjunction with cultural practices such as fertilization, irrigation, drainage and mowing height will delay the onset of stress, improve stress survival, and enhance turf's recovery from stress. Apply ArmorTech PGR 113 MC to healthy, actively growing turf before the onset of stress and continue to apply ArmorTech PGR 113 MC throughout the growing season as long as the turf remains healthy. Do NOT apply more than 7.0 fl. oz./ 1,000 sq. ft. per year.

When turf top growth slows, energy is redirected to below-ground plant parts, and root and rhizome production increases resulting in root-mass that is often greater in ArmorTech PGR 113 MC -treated turf than in similar, untreated turf.

Research indicates that ArmorTech PGR 113 MC may also enhance the performance of fungicides. Monthly applications of ArmorTech PGR 113 MC at the label rate or biweekly application at ½ the label rate may strengthen the turfgrass to help it resist disease. Additionally, if mowing is less frequent, and leaf material removal is reduced, contact and systemic products will remain at effective concentrations on or in the turf longer.

Multiple ArmorTech PGR 113 MC applications will result in smaller, more compact turfgrass and reduced leaf area, resulting in reduced transpiration, water use and improved drought tolerance. Increased turf density will also reduce moisture loss from soil evaporation, and additional soil moisture will be available due to increased root depth and mass. ArmorTech PGR 113 MC may also enhance cold and heat tolerance by increasing carbohydrate levels.

SUPPRESSION OF ANTHRACNOSE

ArmorTech PGR 113 MC 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 products containing propiconazole, chlorothalonil, Medallion®, or other fungicides registered for the control of anthracnose.

***POA ANNUA* CONVERSION/RENOVATION**

As part of an overseeding / renovation program allowing better germination and seedling growth of more desirable turf, ArmorTech PGR 113 MC may be applied to existing turf infested with stands of *Poa annua*. By combining ArmorTech PGR 113 MC with appropriate cultural practices that help to ensure the vigor and growth of new seedlings, fewer clippings and reduced maintenance traffic on new seedlings will result. Additionally, seed germination is not affected because ArmorTech PGR 113 MC is absorbed foliarly. NOTE: Aggressive application rates of ArmorTech PGR 113 MC may result in temporary initial discoloration.

Apply ArmorTech PGR 113 MC 1-5 days before seeding and before verticutting, scalping, spiking or other similar operations. The following spring, apply the recommended upper end rate of ArmorTech PGR 113 MC 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.

BERMUDAGRASS OVERSEEDING

Establishment of cool-season turfgrasses can be enhanced by applying ArmorTech PGR 113 MC to bermudagrass. By combining ArmorTech PGR 113 MC with appropriate cultural practices that help to ensure the vigor and growth of new seedlings, fewer clippings and reduced maintenance traffic on new seedlings will result. Additionally, seed germination is not affected because ArmorTech PGR 113 MC is absorbed foliarly. NOTE: Aggressive application rates of ArmorTech PGR 113 MC may result in temporary initial discoloration.

Apply ArmorTech PGR 113 MC to the bermudagrass 1-5 days before seeding or before verticutting, scalping, spiking, or other similar operations. For maintenance applications, see the Application Rate Table. Use normal seeding rates for your area and turf setting (lawn, fairway, etc.). Actual overseeding results will also depend on growing conditions, fertilization, rainfall, and other agronomic and environmental conditions.

APPLICATION WITH TURF MARKING PAINT

When applied before or with marking agents, ArmorTech PGR 113 MC can extend the duration of marking visibility. When combining with latex-based marking agents, mix ArmorTech PGR 113 MC with water first and refer to the marking agent's products label for further instructions.

To treat approximately 1,000 sq. ft. of line surface area, apply ArmorTech PGR 113 MC at 1 oz./gal of marking paint mix. Refer to the ArmorTech PGR 113 MC plus Tank Mixtures section of this label for additional instructions.

PLANT TOLERANCE

The grasses listed on this label have been shown to be tolerant of ArmorTech PGR 113 MC. It is impossible to test every species and cultivars of grasses for tolerance to ArmorTech PGR 113 MC. Before commercial use, the professional user should determine if ArmorTech PGR 113 MC can be used safely on grasses not listed in the Application Rate Table by conducting small-scale tests. The lower rate for turf setting (lawn, fairway, etc.) should be tested and evaluated for phytotoxicity and growth inhibition prior to use on a large scale.

USE RESTRICTIONS

- Do NOT apply ArmorTech PGR 113 MC through any type of irrigation system.
- Do NOT graze treated areas or feed treated clippings to livestock.

USE PRECAUTIONS

- Areas treated with ArmorTech PGR 113 MC 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 ArmorTech PGR 113 MC should be tested on a small scale before widespread use.
- ArmorTech PGR 113 MC may cause temporary yellowing that usually disappears approximately one week after application. To minimize yellowing and to enhance the green color of turf, apply readily available nitrogen at a rate of 0.2-0.5 lb. of actual nitrogen per 1,000 sq. ft. If desired, recommended rates of iron per 1,000 sq. ft. can also be used.

APPLICATION INSTRUCTIONS

Excessive turf growth during spring flushes or as a result of fertilization may require higher rates of ArmorTech PGR 113 MC (up to 50% greater) to provide an adequate length of control.

For extended growth suppression (up to 8 weeks) when temporary discoloration can be tolerated, a maximum of twice the ArmorTech PGR 113 MC rate from the Application Rate Table may be applied.

ArmorTech PGR 113 MC 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.

Multiple applications of ArmorTech PGR 113 MC can be made each growing season, but do not exceed a total of 7.0 fl. oz/1,000 sq. ft. (305 fl. oz./A; 19.0 pts./A) per year.

Application Timing

Apply ArmorTech PGR 113 MC to actively-growing turf. A lower rate of ArmorTech PGR 113 MC should be used if turf is going into dormancy because of high or low temperatures or lack of moisture.

As soon as the turf resumes growth or if more suppression is desired, repeat applications of ArmorTech PGR 113 MC may be made, but do NOT apply more than 7.0 fl. oz./1000 sq. ft. per year.

Table 1. ArmorTech PGR 113 MC Application Rates[1]

NOTE: The rates listed below should provide 50% suppression of turf growth with minimal yellowing for 4-weeks under good growing conditions.

	Residential and Commercial turf[2]		Golf Course Fairways (cut at 1/2" or less)		Golf Course Greens & Tees		Edging/Banding[3]	
Turf Type	**fl oz/ 1000 sq ft**	**fl oz/A**	**fl oz / 1000 sq ft**	**fl oz/A**	**fl oz/ 1000 sq ft**	**fl oz/A**	**fl oz/ 1000 sq ft**	**fl oz/A**
Cool Season[1]								
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[4]	11	0.125	7		
Mixture (K. Bluegrass/ Fescue/ Ryegrass)	0.75	33						
Mixture (K. Bluegrass/ Ryegrass/ *Poa annua*)			0.50[4]	22				
Ryegrass, Annual	1.0	44					1.0	44
Ryegrass, Perennial	1.0	44	0.50	22			1.0	44
Warm Season[1]								
Bahiagrass	1.0	44					1-2	44-88
Bermudagrass[5]								
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	0.20	9	0.20	9	0.062	3	0.50-0.75	22-33
Bermudagrass, Tifgreen (328)	0.25	11	0.20	9	0.125	6	0.75	33

(continued)

Turf Type	Residential and Commercial turf[2]		Golf Course Fairways (cut at 1/2" or less)		Golf Course Greens & Tees		Edging/Banding[3]	
	fl oz/ 1000 sq ft	fl oz/A	fl oz / 1000 sq ft	fl oz/A	fl oz/ 1000 sq ft	fl oz/A	fl oz/ 1000 sq ft	fl oz/A
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	0.3	13			1.0	44
Seashore Paspalum	0.375	16	0.125-0.25	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. Seedheads: At rates equal to or higher than the rates in Table 1, ArmorTech PGR 113 MC provides seedhead suppression of hybrid bermudagrass, and partial seedhead suppression of annual bluegrass, bahiagrass, buffalograss, carpetgrass, common bermudagrass, Kentucky bluegrass, and tall fescue. ArmorTech PGR 113 MC must be applied prior to seedhead formation. Do not apply more than 7.0 fl. oz./ 1000 sq. ft. per year.
2. Including, but not limited to: home lawns, parks, recreation areas, golf course roughs, cemeteries, business sites, sports fields, and sod farms.
3. ArmorTech PGR 113 MC can be applied along the perimeter of lawns, sidewalks, curbs, parking lots, driveways, posts, storage buildings, pet pens, fences, or other areas. ArmorTech PGR 113 MC can be used around trees, shrubs, flower beds, and other border plants or similar areas with no injury. Apply ArmorTech PGR 113 MC in an 8-12 inch band with a single nozzle sprayer. Use the higher concentration to reduce the growth of turfgrass into adjacent areas.
4. If 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.
5. Bermudagrass overseeding preparation: 0.5 oz/ 1000 sq. ft. for golf fairways and tees; 0.25 oz./1000 sq. ft. for golf greens.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place and avoid excess heat. Do not store below 0ºF. If crystals form, store above 70ºF, shaking periodically until crystals are dissolved.

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 DISPOSAL: 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 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.

CONDITION 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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Turf Alliance, LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Turf Alliance, LLC and Seller harmless for any claims relating to such factors.

United Turf Alliance, LLC 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 the Directions for Use. To the extent consistent with applicable law, 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 United Turf Alliance, LLC, and Buyer and User assume the risk of any such use. UNITED TURF ALLIANCE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither United Turf Alliance, LLC nor Seller shall 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 UNITED TURF ALLIANCE, LLC 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 UNITED TURF ALLIANCE OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Turf Alliance, LLC 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 United Turf Alliance, LLC.

ArmorTech is a trademark of United Turf Alliance, LLC.

Medallion is a registered trademark of a Syngenta Group Company.

ArmorTech®

PPZ 143 MC

FUNGICIDE

Broad-spectrum and systemic disease control for turf and ornamentals

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 by 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 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. For medical emergencies involving this product, call Poison Control 1-800-222-1222 or National Pesticide Information Center 1-800-858-7378.	
NOTE TO PHYSICIAN If ingested, induce emesis or lavage stomach. Treat symptomatically.	

ACTIVE INGREDIENT:	**% BY WT.**
Propiconazole	14.3%
OTHER INGREDIENTS:	85.7%
TOTAL:	100.0%

Contains 1.3 lbs. active ingredient per gallon.

EPA Reg. No. 86064-4
EPA Est. No. 42750-MO-001

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 additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway; Suite 403-282
Canton, GA 30115

NET CONTENTS: 2.5 GALLONS (9.46 liters)

United Turf Alliance

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, inhaled, or absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor or spray mist. Wear goggles or face shield. Wear rubber gloves and a long-sleeved shirt when mixing, handling and/or applying the product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemically 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, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear

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 STATEMENT

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.
- 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.

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.

Note: Do not apply more than 5.4 gals. of ArmorTech PPZ 143 MC per acre per calendar year.

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 (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), 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 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 barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils
- Shoes plus socks
- 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 treated areas without protective clothing until sprays have dried.

GENERAL INFORMATION

ArmorTech PPZ 143 MC is a systemic fungicide for use on turfgrasses for the control of:

Anthracnose *(Colletotrichum graminicola)*
Brown patch *(Rhizoctonia solani)*
Dollar spot *(Scierotinia homoeocarpa)*
Fusarium patch *(Fusarium nivale)*
Gray leafspot *(Pyricularia grisea)*
Gray snowmold *(Typhula* spp.*)*
Leafspot *(Bipolaris* spp., *Drechslera* spp.*)*
Necrotic ring spot *(Leptosphaeria korrae)*
Pink patch *(Limonomyces roseipellis)*
Pink snowmold *(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 pose)*
Take-all patch *(Gaeumannomyces graminis)*
Yellow patch *(Rhizoctonia cerealis)*
Zoysia patch *(Rhizoctonia solani)*

ArmorTech PPZ 143 MC 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.

DO NOT apply this product through any type of irrigation system.

TANK MIXES

ArmorTech PPZ 143 MC can be tank mixed with other fungicides for broader spectrum control. ArmorTech PPZ 143 MC 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 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.

MIXING INSTRUCTIONS

Fill the spray tank 1/2 to 3/4 full with water. Add the proper amount of ArmorTech PPZ 143 MC, then add the remaining water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If ArmorTech PPZ 143 MC 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 ArmorTech PPZ 143 MC, 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. 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 ArmorTech PPZ 143 MC.
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.

TURFGRASS AND DICHONDRA DISEASE CONTROL

1. Use ArmorTech PPZ 143 MC in a preventative disease control program.
2. Apply after mowing OR allow sprayed area to completely dry before mowing.
3. For control of soil-borne diseases, ArmorTech PPZ 143 MC can be watered-in after application.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For optimum turf quality and disease control, use ArmorTech PPZ 143 MC in conjunction with turf management practices that promote good plant health and optimum disease control.
6. 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.
7. Apply in sufficient water to ensure thorough coverage.
8. Under conditions optimum for high disease pressure, use the higher rate and the shorter interval.
9. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
10. **Do not** apply more than 16 fl. oz./1,000 sq. ft. per calendar year.

Important: Bermudagrass can be sensitive to ArmorTech PPZ 143 MC. **Do not** exceed 4 fl. oz./1,000 sq. ft. every 30 days on any variety of Bermudagrass. In Florida, **do not** apply ArmorTech PPZ 143 MC to Bermudagrass golf course greens when temperatures exceed 90°F.

Note: Do not feed clippings from treated areas to livestock or poultry. **Do not** graze animals on treated areas.

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: ArmorTech CLT 825 ArmorTech CLT 720
	1	44	21–28 days	Tank mix with low label rate of one of the following fungicides: ArmorTech CLT 825 ArmorTech CLT 720 Iprodione-based products
	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 ArmorTech PPZ 143 MC 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 ArmorTech PPZ 143 MC 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 ArmorTech PPZ 143 MC 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 ArmorTech PPZ 143 MC 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.
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.*)* *(Orechslera* spp.*)*	1–4	44–176	14 days	Under light to moderate pressure, apply ArmorTech PPZ 143 MC to reduce the severity of leaf spot and melting out caused by Helminthosporium-type pathogens. For broad-spectrum disease control, tank mix the 1 fl. oz. ArmorTech PPZ 143 MC rate with a registered contact fungicide at the label rate. Tank mix the 1–4 fl. oz./1,000 sq. ft. ArmorTech PPZ 143 MC rate with a registered contact fungicide at the labeled rate.
Summer Patch, Poa Patch *(Magnaporthe pose)*	2 4	88 176	14 days 28 days	Apply ArmorTech PPZ 143 MC 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.

(continued)

TURFGRASS – SPECIFIC DISEASES, RATES, AND APPLICATION TIMING

DISEASE	Fl. Oz. Per 1,000 sq. ft.	Fl. Oz. Per Acre	Application Interval/Timing	Instructions
Take-All Patch *(Gaeumannomyces graminis)*	2–4	88–176	Spring and Fall	ArmorTech PPZ 143 MC can be applied 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 narman, Ophiosphaerella herpotricha, Gaeumannomyces graminis)*	4	176	30 days	Make 1–3 applications of ArmorTech PPZ 143 MC. 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 Snowmold *(Typhula* spp.*)* **Pink Snowmold** *(Microdochium nivale)*	2–4	88–176	Late Fall	Make one application of ArmorTech PPZ 143 MC in the late fall before snow cover. **Do not** apply on top of snow. For optimum disease control, the 2 and 3 fl. oz. ArmorTech PPZ 143 MC 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	Make one application of ArmorTech PPZ 143 MC 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

The primary use of ArmorTech PPZ 143 MC is as a fungicide for use against the diseases listed on this label. As an additional benefit ArmorTech PPZ 143 MC 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.

DISEASE CONTROL IN NURSERIES (FIELD) AND LANDSCAPE PLANTINGS

1. Use ArmorTech PPZ 143 MC 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 parenthesis 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.
2. Allow spray to dry before overhead irrigation is applied.
3. Optimum benefit of ArmorTech PPZ 143 MC is obtained when used in conjunction with sound disease management practices.

GENERAL INFORMATION

ArmorTech PPZ 143 MC may be used 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).

Note: For outdoor uses, up to 5.4 gallons of ArmorTech PPZ 143 MC/acre/crop/calendar year may be applied.

For general disease control in landscapes, apply 6 to 8 fl. oz./100 gallons of water every 21 days. For best control, begin ArmorTech PPZ 143 MC applications before disease development.

Note: Plant tolerances to ArmorTech PPZ 143 MC have been found to be acceptable for the specific genera and species of plants listed under the **Directions for Use** section of this label. Other plant species may be sensitive to ArmorTech PPZ 143 MC and diseases other than those listed may not be controlled. Before using ArmorTech PPZ 143 MC on plants or for diseases that are not listed in the **Directions for Use** section of this label, test ArmorTech PPZ 143 MC on a small-scale basis first. **Do not** apply ArmorTech PPZ 143 MC 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 parenthesis 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 *(Dianthus tartatus)* (3k) 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 (3g, 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

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 maculata* (syn. *Entomosporium maculate)* [2]
   j. *Gnomonia leptostyla* (Anthracnose) [3]
   k. *Heterosporium echinulatum* [2]
   l. *Mycosphaerella caryigena* (Downy Spot) [3]
   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]

Table 3. Application Regimes

[1] Mix 2 to 4 fl. oz. of ArmorTech PPZ 143 MC in 100 gallons of water and apply as a full-coverage spray to the point of drip. Apply every 14 to 21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply ArmorTech PPZ 143 MC when there is 5 to 10% bloom and again at 70 to 100% bloom. For dogwoods, apply the 2 to 4 fl. oz. rate every 14 days or apply 8 fl. oz. of ArmorTech PPZ 143 MC every 28 days.

[2] Mix 5 to 8 fl. oz. of ArmorTech PPZ 143 MC 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 to 21 days during periods of active growth.

[3] Mix 8 to 12 fl. oz. of ArmorTech PPZ 143 MC 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- to 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 ArmorTech PPZ 143 MC in 100 gallons of water and apply as a full-coverage spray to the point of drip. Apply every 14 to 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 to 24 fl. oz. of ArmorTech PPZ 143 MC 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, cherry, citrus, nectarine, peach, pear, pecan, plum or walnut trees that will bear harvestable fruit within 12 months. **Do not** apply to maple trees that will be used for maple syrup production within one year.

STORAGE AND DISPOSAL

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

PESTICIDE 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 DISPOSAL: Nonrefillable container. **Do not** reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. 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.

CONDITION 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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product which are beyond the control of United Turf Alliance, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Turf Alliance, LLC and Seller harmless for any claims relating to such factors.

United Turf Alliance, LLC 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. 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 United Turf Alliance, LLC, and Buyer and User assume the risk of any such use. UNITED TURF ALLIANCE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither United Turf Alliance, LLC or Seller shall 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 UNITED TURF ALLIANCE, LLC 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 UNITED TURF ALLIANCE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Turf Alliance, LLC 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 United Turf Alliance, LLC.

ArmorTech is a trademark of United Turf Alliance, LLC.

EPA070709

PROTHIOCONAZOLE | GROUP 3 FUNGICIDE

ArmorTech

PROTHIO 4L

ACTIVE INGREDIENT:

Prothioconazole, 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione	41.0%
OTHER INGREDIENTS:	59.0%
TOTAL:	100.0%

Contains 4 lbs/gal of prothioconazole

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID

IF SWALLOWED: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sup a glass of water if able to swallow. 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 INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and 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 (888) 347-6732 or doctor, or going for treatment. For 24-hour emergency assistance, chemical spill, leak, fire, exposure, or accident, call CHEMTREC (800) 424-9300.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.

See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.

FOR CHEMICAL SPILL, LEAK, FIRE OR EXPOSURE, CALL CHEMTREC (800) 424-9300

EPA Reg. No. 89442-61
EPA Est. 42750-MO-03

AD010623N

Job 222936

222936 ArmorTech Prothio 4L 0_5g BK.indd 1 9/7/23 9:28 AM

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks and shoes. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of polyvinyl chloride (PVC) ≥14 mils, nitrile rubber ≥14 mils, or butyl rubber ≥14 mils
- Shoes plus socks

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.

USER SAFETY RECOMMEDATIONS

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

This product is toxic to estuarine/marine invertebrates, and freshwater/estuaries/marine aquatic plants. **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.

Ground Water Advisory: Prothioconazole-desthio (a degradate of prothioconazole) is known to leach through soil into ground water 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: Drift and runoff are hazardous to aquatic organisms in water adjacent to treated areas. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow watertables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip

222936 ArmorTech Prothio 4L 0_5g BK.indd 2 9/7/23 9:28 AM

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 to occur within 48 hours.

PHYSICAL-CHEMICAL HAZARDS

DO NOT mix or allow coming in contact with oxidizing agents. 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.

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. Golf courses are not within the scope of the Worker Protection Standard.

DO NOT enter or allow others to enter treated areas until sprays have dried.

STORAGE AND DISPOSAL

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

(continued)

222936 ArmorTech Prothio 4L 0_5g BK.indd 3 9/7/23 9:28 AM

STORAGE AND DISPOSAL *(cont.)*

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed on site or at an approved waste disposal facility.

CONTAINER HANDLING: (See the Net Contents section on the container to determine if it non-refillable or refillable.) APPROPRIATE BOX MUST BE CHECKED.

Non-refillable rigid plastic containers (≤5 gallon): **DO NOT** reuse 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 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.

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.

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.

Non-refillable rigid plastic containers (>5 gallon): **DO NOT** reuse 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. 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.

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.
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.

222936 ArmorTech Prothio 4L 0_5g BK.indd 4 9/7/23 9:28 AM

PRODUCT INFORMATION

PROTHIO 4L is a suspension concentrate. The active ingredient, prothioconazole, belongs to the demethylation inhibitor (DMI) class of fungicides. The mode of action of this DMI belongs to the group of triazolinthiones, classified as a FRAC Group 3 fungicide. To maximize disease control, apply PROTHIO 4L in a regularly scheduled spray program and use in a rotation with other fungicides.

PROTHIO 4L is a broad-spectrum systemic fungicide for the control of Ascomycetes, Basidiomycetes and Deuteromycetes diseases in golf course turf grass.

PROTHIO 4L is intended for use by professional applicators.

TURFGRASS TOLERANCE

Due to the variability within turfgrass species and cultivars, along with possible tank-mix combinations, including additives and other pesticides, neither the seller not the manufacturer has determined whether or not all turfgrasses or combinations are tolerant to PROTHIO 4L under all conditions.

Before applying any mixture not specifically recommended on this label, it is advised to confirm biological compatibility testing with the combination. To confirm biological compatibility, mix the products in accordance to labeled rates and spray a small area of target turf under similar conditions to target area and monitor for any phytotoxic response or other adverse effect before applying PROTHIO 4L to targeted area.

RESISTANCE MANAGEMENT

PROTHIOCONAZOLE	GROUP	3	FUNGICIDE

For resistance management, PROTHIO 4L contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to PROTHIO 4L and other Group 3 fungicides. A gradual or total loss of pest control may occur over time if these fungicides/bactericides are used repeatedly in the same turf areas. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of PROTHIO 4L 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.

222936 ArmorTech Prothio 4L 0_5g BK.indd 5 9/7/23 9:28 AM

- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and turf renovation, 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 for any additional pesticide resistance-management and/or IPM recommendations for specific pathogens.
- For further information or to report suspected resistance contact your local Prime Source, LLC sales representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

APPLICATION PROCEDURES

Apply PROTHIO 4L through ground application equipment with boom below and behind the operator to target soil or foliar turfgrass diseases. See 'Turf Use Directions' for application rates and use information. Turfgrass injury and/or inferior disease control may result upon failure to follow label directions.

GROUND APPLICATION EQUIPMENT AND NOZZLES: Before use, ensure equipment is properly calibrated. Use nozzles that are accurate, and provide uniform coverage to the turfgrass foliage and/or the soil surface. Use the same size nozzles, uniformly distributed across the boom, and operate nozzles within the spray pressure directions suggested by the nozzle manufacturer.

SPRAY EQUIPMENT PREPARATION AND MIXING INSTRUCTIONS: Prepare no more spray mixture than is necessary for the immediate application. Start with clean spray equipment before using this product. While preparing the mixture, and throughout the entire spray operation, maintain agitation. Do not let the spray mixture stand overnight in the spray tank. Following use, flush the spray equipment thoroughly. Rinsate may be applied to the previously treated areas, or disposed of according to local regulations.

MIXING PROCEDURES FOR PROTHIO 4L ALONE: Add ½ of the required amount of water to the mix tank. With the agitator running, add the product to the mix tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the product has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Application Volume: Apply PROTHIO 4L in a minimum of 40 gallons of spray solution per acre. Complete coverage and uniform applications are essential for most effective results, especially when lower spray volumes are applied. If necessary, increase spray volume for uniform and complete coverage.

222936 ArmorTech Prothio 4L 0_5g BK.indd 6 9/7/23 9:28 AM

Tank Mixture Precautions: If using PROTHIO 4L in a tank mixture, observe all directions for use, sites, rates, dilution ratios, precautions, and limitations, which appear on the tank-mix product label. This product must not be mixed with any product that prohibits such mixing. Tank mixtures or other applications of products are permitted only in those states in which the products are registered.

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.

Tank Mixture Compatibility Test: When mixing PROTHIO 4L with new or unknown tank mix partners including pesticides, fertilizers, spray adjuvants and micronutrients, perform a compatibility test to determine potential for incompatibility during mixing. The recommended compatibility test is as follows:

- Use a clear jar with a secure water-tight lid.
- Add a small amount of source water (e.g. 1 quart), followed by each mixture partner at planned labelled use rates, using mixing order as described below.
- With all mixture partners added, securely cap jar and invert 10 to 15 times to mix each component. Let stand for 15-20 minutes.
- Observe solution for any signs of incompatibility or instability. Mixed solution should be free from formed precipitates, gels, heavy free oil films, or separations of mixture components, including distinct layering.
- If incompatibility is noted, repeat steps above by removing individual components to determine a compatible mixture, if desired. Additionally, if mixture is readily re-mixable, then mixture can be used so long as agitation is maintained.
- If incompatibility is not resolved, do not use this tank mix combination.

Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank. For further information, contact your local Prime Source representative.

Mixing Order of PROTHIO 4L + Tank Mixture Partners:

- Add ½ of the required amount of water to the mix tank. Start the agitator running before adding any of the tank mixture partners.
- All products in water-soluble packaging should be added to the tank before any other tank-mix partner, including PROTHIO 4L.

222936 ArmorTech Prothio 4L 0_5g BK.indd 7 9/7/23 9:28 AM

- Allow water soluble packaging to completely disperse before adding any other tank mixture partners to the tank. In general, tank mixture partners should be added in this order:
    1. Products packaged in water-soluble packaging
    2. Wettable powders
    3. Wettable granules (dry flowables)
    4. Liquid flowables
    5. Liquids
    6. Emulsifiable concentrates
- Always allow each tank mixture partner to become fully and uniformly dispersed before adding the next product.
- Continue agitation while adding the remainder of the water.
- Begin application of the solution after all products have completely, and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

USE RESTRICTIONS

- For use only on golf course turfgrass (greens, tees, fairways and roughs).
- Not for residential use. Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park, athletic fields, schools, campgrounds, churches, and theme parks.
- Do not use clippings for animal feed.
- Do not apply by aerial application.
- Do not apply through any type of irrigation equipment (chemigation).
- For ground application equipment only. Do not use with handheld application equipment, including mechanically pressurized spray gun, backpack or tank pressurized spray gun, spray hawk or handheld boom applicators.
- Not for sale, distribution, or use in Nassau and Suffolk counties. New York except as permitted under FIFRA 24(c), Special Local Need registration.

USE PRECAUTIONS

- After application, allow foliage to dry prior to mowing.
- Use of skirted spray booms will further reduce spray drift.

222936 ArmorTech Prothio 4L 0_5g BK.indd 8 9/7/23 9:28 AM

SPRAY DRIFT MANAGEMENT

Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 4 feet above the ground or plant 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.

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 with be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size

- 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

For ground equipment, the boom should remain level with the target plants and have minimal bounce.

RELEASE HEIGHT

Higher release heights increase the potential for spray drift.

SHEILDED 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.

222936 ArmorTech Prothio 4L 0_5g BK.indd 9 9/7/23 9:28 AM

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 APPLCATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

TURF USE DIRECTIONS

PROTHIO 4L controls a range of turf diseases. Refer to the table below for disease, rate structure, and specific use information. Apply PROTHIO 4L prior to turf disease development or in the early stages of turf disease development. See 'Application Directions' for further information on equipment, nozzles, spray volumes and mixing instructions.

Disease	Application Rate (fl oz Product/A)[1]	Retreatment Interval (days)[2]	Use Information
Anthracnose (*Collectotrichum graminicola*)	8.5	14-21	
Brown Patch (*Rhizoctonia solani*)	8.5	14-21	For best results, apply preventatively before conditions favorable for infection occur.
Brown Ring (Waitea) Patch (*Waitea circinate var. circinata*)	8.5	14-21	For best results, apply preventatively before conditions favorable for infection occur.
Dollar Spot (*Sclerotinia homoeocarpa syn. Clarireedia homoeocarpa*)	8.5	14-21	

(continued)

222936 ArmorTech Prothio 4L 0_5g BK.indd 10 9/7/23 9:28 AM

TURF USE DIRECTIONS *(cont.)*

Disease	Application Rate (fl oz Product/A)[1]	Retreatment Interval (days)[2]	Use Information
Fairy Wing (caused by Basidiomycete fungi)	8.5	14-28	Before the spray dries, adequately water-in to move the fungicide into the thatch/soil where the fungus is active.
Gray Leaf Spot (*Pyricularia grisea*)	8.5	14-21	
Gray Snow Mold (*Typhula incarnata*) (Typhula incamata, T. ishikariensis)	8.5	14-28	Make 1-2 preventative applications before conditions favorable for infection occur. Do not apply over snow cover.
Pink Snow Mold (*Microdochium nivale*)			
Large Patch (*Rhizoctonia solani*)	8.5	14-28	Lightly water-in applications to move fungicide into crown area and root zone.
Microdochium Patch (*Microdochium nivale*)	8.5	14-21	Begin preventative applications when conditions are conducive to disease development and without lasting snowfall.
Mini Ring (*Rhizoctonia zeae*)	8.5	14-21	Apply preventatively before conditions favorable for infection occur.
Spring Dead Spot (*Ophiosphaerella korrae, O. herpotricha, Leptosphaeiia korrea, L. namari*)	8.5	14-28	Lightly water-in applications to move fungicide into crown area and root zone.
Summer Patch (*Magnaporthe poae*)	8.5	14-28	Use adequate spray-volume or water-in applications to crowns and upper roots for maximum effectiveness. If there is prior disease history, use the higher rate and shorter interval.

(continued)

222936 ArmorTech Prothio 4L 0_5g BK.indd 11 9/7/23 9:28 AM

TURF USE DIRECTIONS *(cont.)*

Disease	Application Rate (fl oz Product/A)[1]	Retreatment Interval (days)[2]	Use Information
Take-All Patch (*Gaeumannomyces graminis var. avenae*)	8.5	14-28	Treat preventatively for the disease. Water-in applications into the upper root zone.
Take-all Root Rot (*Gaeumannomyces graminis var. graminis*)	8.5	14-28	Apply fungicide in adequate water volume or water-in applications to upper root zone.

[1]4.3, 5.7, and 8.5 fl oz product/A equate to 0.098, 0.131, and 0.196 fl oz product/1,000 ft^2 or 0.134, 0.178, and 0.267 lbs a.i./A, respectively.
[2]Use the shorter specified application interval and/or the higher specified rate when prolonged favorable turf disease conditions exist.

RATE RESTRICTIONS

1. **Maximum Single Application Rate:** Do not exceed 8.5 fl oz product/A per application (0.196 fl oz product/1000ft^2), equivalent to 0.267 lbs a.i./A.
2. **Maximum Annual Rate:** Do not exceed 25.6 fl oz product/A per year (0.588 fl oz product/1000ft^2), equivalent to 0.801 lbs a.i./A/year.
3. **DO NOT** exceed 3 applications per year using the maximum single application rate.

WARRANTY LIMITATIONS AND 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 for Use when used under normal conditions. This is the only warranty made on this product. To the extent consistent with applicable law, no other express and no implied warranty of merchantability or fitness for a particular purpose is made outside of this label. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller.

222936 ArmorTech Prothio 4L 0_5g BK.indd 12 9/7/23 9:28 AM

When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify seller, in writing, of any claims to be eligible to receive either remedy given below. To the extent consistent with applicable law, the exclusive remedy of the buyer or user and the limit of liability of seller will be one of the following, at the election of the seller:

1. Refund of purchase price paid by buyer or user for product bought or
2. Replacement of amount of product used.

To the extent consistent with applicable law, the seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations and Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations and Disclaimer in any manner.

All product names, trademarks, and registered trademarks are the property of their respective owners.

222936 ArmorTech Prothio 4L 0_5g BK.indd 13 9/7/23 9:28 AM

222936 ArmorTech Prothio 4L 0_5g BK.indd 14 9/7/23 9:28 AM

222936 ArmorTech Prothio 4L 0_5g BK.indd 15 9/7/23 9:28 AM

222936 ArmorTech Prothio 4L 0_5g BK.indd 16 9/7/23 9:28 AM

43951UT0405

NET CONTENTS: 0.5 GALLON

PROTHIOCONAZOLE | GROUP 3 | FUNGICIDE

ArmorTech

PROTHIO 4L

ACTIVE INGREDIENT:

Prothioconazole, 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione	41.0%
OTHER INGREDIENTS:	59.0%
TOTAL:	100.0%

Contains 4 lbs/gal of prothioconazole

KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks and shoes. Remove and wash contaminated clothing before reuse.

EPA Reg. No. 89442-61
EPA Est. 42750-MO-03

Manufactured By:
Prime Source, a division of Albaugh LLC
1525 NE 36th Street
Ankeny, IA 50021

FIRST AID

IF SWALLOWED: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sup a glass of water if able to swallow. 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 INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and 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 (888) 347-6732 or doctor, or going for treatment. For 24-hour emergency assistance, chemical spill, leak, fire, exposure, or accident, call CHEMTREC (800) 424-9300.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.

See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.

FOR CHEMICAL SPILL, LEAK, FIRE OR EXPOSURE, CALL CHEMTREC (800) 424-9300

PEEL HERE TO OPEN

8 56668 00923 0

PF 222936

222936 ArmorTech Prothio 4L 0_5g BL.indd 1 9/7/23 9:28 AM

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
an inovar company

4201 North Westport Ave. • Sioux Falls, SD 57107
Phone: (605) 978-0451 • Fax: (605) 978-0463

DATE	JOB NUMBER	CUSTOMER
09-07-2023	222936	Albaugh
LABEL SIZE	**BOOKLET SIZE**	
3.75" x 4.75"	3.75" x 4"	
LABEL COLORS	**BOOKLET OUTSIDE COLORS**	**BOOKLET INSIDE COLORS**
BLK	BLK, 348, 7687	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** _____

GROUP 29 FUNGICIDE

ArmorTech®

ROTATOR™

FUNGICIDE

For use to control certain diseases of turf grasses on golf courses only.

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 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. 228-737

SPECIMEN

Manufactured by NUFARM AMERICAS INC. • 11901 S. Austin Avenue • Alsip, IL 60803

United Turf Alliance

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.

SPECIMEN

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.

SPECIMEN

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.

SPECIMEN

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.

SPECIMEN

- 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.
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.

(continued)

SPECIMEN

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**
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.

SPECIMEN

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:
NOTE: This product is available in multiple containers. Refer to the Net Contents section of this products labeling for the applicable "Nonrefillable" or "Refillable" designation. Follow the container disposal instructions below that apply to your container type/size.

Nonrefillable Containers 5 Gallons or Less
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.

Nonrefillable containers larger than 5 gallons
Nonrefillable container. DO NOT reuse or refill this container. Offer for recycling if available. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

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 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

SPECIMEN

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.

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.

RV040517

ArmorTech is a registered trademark of United Turf Alliance, LLC
Rotator is a trademark of United Turf Alliance, LLC
Torque, Affirm, Strider are trademarks of Nufarm Americas, Inc.
26/36, 3336 are registered trademarks of Nufarm Americas, Inc.
Tourney is a registered trademark of Valent, USA Corporation
All other trademarks are the property of their respective owners

SPECIMEN

Armor Tech®

TEB 360 XL II

SPECIMEN LABEL

For control of listed diseases on ornamentals and golf courses

ACTIVE INGREDIENT:

Tebuconazole, alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethano 38.7%

OTHER INGREDIENTS 61.3%

TOTAL 100.0%

Contains 3.6 pounds tebuconazole per gallon

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 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.
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 if possible. Call a poison control center or doctor for further treatment advice.
Have a product container or label with you when calling a poison control center or doctor, or going for treatment.	
Note To Physician: No specific antidote. Treat symptomatically. Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.	

See inside booklet for additional PRECAUTIONARY STATEMENTS and complete DIRECTIONS FOR USE

EPA Reg. No. 42750-99

AD030121

SKU: 450711-1021

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)

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.

Some materials that are chemical-resistant to this product are listed below.

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate, or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton
3. 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 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.

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing 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

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. 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 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:

1. Coveralls
2. Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton
3. 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 pests out of treated areas until sprays have dried.

Chemigation: Do not apply this product through any type of irrigation system for turf and ornamental uses.

PRODUCT INFORMATION

OBSERVE THE FOLLOWING RESTRICTIONS 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 ArmorTech TEB 360 XL II 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 1/2 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 the ArmorTech TEB 360 XL II is complete 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 ArmorTech TEB 360 XL II 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 year. Contact your local university or extension specialist and/or manufacturer for fungicide resistance management recommendations.

DISEASE CONTROL IN GOLF COURSE TURF

TURF USE RESTRICTIONS

- Apply by ground application only in the state of New York.
- Do not make more than 3 applications at 0.6 fl. oz. of Tebuconazole 3.6FL (1.8 fl. oz.) (0.05 lbs AI) per 1000 sq. ft. per year in New York State. Do not apply more than 78 fl. oz. of Tebuconazole 3.6FL (2.2 lb) per acre per year in New York State.
- 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 (examples: elementary, middle and high school), campgrounds, churches, and theme parks.
- Not for residential 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 ArmorTech TEB 360 XL II (0.1 lbs AI) per 1,000 sq ft per year.
- Do not apply more than 6 applications per year.

APPLICATION INSTRUCTIONS

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. ArmorTech TEB 360 XL II is not phytotoxic to any of the above mentioned grasses when used in accordance with the label.

Note: Bermuda grass can be sensitive to ArmorTech TEB 360 XL II under certain conditions. Do not apply consecutive applications during or just after dormancy break. Avoid application when temperatures are expected to exceed 85 degrees F.

ArmorTech TEB 360 XL II 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 28 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 ArmorTech TEB 360 XL II in sufficient water for thorough coverage. A volume of 66 – 132 gallons per acre (1.5 – 3.0 gallons per 1,000 sq ft) is recommended. 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, ArmorTech TEB 360 XL II should be watered 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.

DISEASE	RATE (fl. oz./1000 Sq Ft)	NOTES
Dollar Spot *(Sclerotinia homoeocarpa)* Copper Spot *(Gloeocercospora sorghi)* Powdery Mildew *(Erysiphe graminis)* Corticium Red Thread *(Laetisaria fuaformis)* Rusts *(Puccinia* spp.*)* Red Thread *(Laetisaria fuaformis)* Pink Patch *(Limonomyces rosipellis)*	0.6 – 1.1 (0.017 – 0.031 lb ai)	For prevention, begin applications when conditions are favorable for disease development using the low to medium rate. Do not make two consecutive applications of ArmorTech TEB 360 XL II 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 (0.017 – 0.031 lb ai)	For prevention, begin applications when conditions are favorable for disease development. Make two applications using the low to medium rate tank mixed with polyoxin D zinc salt fungicide 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 (0.017 – 0.031 lb ai)	For prevention, begin applications when conditions are favorable for disease development using the low to medium rate. Do not make two consecutive applications of ArmorTech TEB 360 XL II or other DMI containing fungicides. Alternate with another fungicide with a different mode of action. A second application may be made after 21 days
Bermuda Grass decline *(Gaeumannomyces graminis var. graminis*)	0.6 – 1.1 (0.017 – 0.031 lb ai)	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 (0.017 – 0.031 lb ai)	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 75º 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.

(continued)

DISEASE	RATE (fl. oz./1000 Sq Ft)	NOTES
Gray Leaf Spot *(Pyriculana grisea)*	0.6 – 1.1 (0.017 – 0.031 lb ai)	For prevention, begin applications when conditions are favorable for disease development (July Aug) using the low to medium rate. Do not make two consecutive applications of ArmorTech TEB 360 XL II or other DMI containing fungicides. Alternate with another fungicide with a different mode of action, such as thiophanate methyl. A second application may be made after 21 days.
Stripe Smut *(Ustilago striiformis)*	0.6 – 1.1 (0.017 – 0.031 lb ai)	Make a single application to historical disease areas in spring as grass growth begins. For areas know to have higher disease pressure, 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 (0.017 – 0.031 lb ai)	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 75º F. ArmorTech TEB 360 XL II can be combined with thiophanate-methyl 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 TEBUCONAZOLE 3.6FL 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 (0.017 – 0.031 lb ai)	Apply first application in mid-June or 2-4 weeks prior 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 thiophanate-methyl. A second application may be made after 21 days.
Summer Patch *(Magnaporthe poae)*	0.6 – 1.1 (0.017 – 0.031 lb ai)	For prevention, apply in the spring when root zone soil temperatures reach 55-60° F. Do not make two consecutive applications of ArmorTech TEB 360 XL II or other DMI containing fungicides. Alternate with another fungicide with a different mode of action, such as thiophanate-methyl. Make additional applications at 21 day intervals. See local university recommendations for additional information. Immediately after fungicides 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 root zone.

(continued)

DISEASE	RATE (fl. oz./1000 Sq Ft)	NOTES
Zoysia Patch, Large Patch of zoysia *(Rhizoctonia solani)*	0.6 – 1.1 (0.017 – 0.031 lb ai)	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 polyoxin D zinc salt fungicide. Second and third applications may be made at 21 day 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.
Gray Snow Mold/ Typhula Blight *(Typhula incarnate)* Pink Snow Mold/Microdochium Patch *(Microdochium nivalis)*	0.6 – 1.1 (0.017 – 0.031 lb ai)	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 ArmorTech TEB 360 XL II be tank mixed with other registered snow mold products, such as those containing iprodione, thiophanate-methyl, polyoxin D zinc salt, or chlorothalonil, for best season long results.
Fairy Ring *Chlorophyllum (Lepiota)*, *Lycoperdon, Marasmus* (Not For Use in California)	0.6 – 1.1 (0.017 – 0.031 lb ai)	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 areas with historically high disease pressure, use the medium to high rate. For Warm season turf breaking dormancy, do not make two consecutive applications of ArmorTech TEB 360 XL II or other DMI containing fungicides. Alternate with other fungicides with a different mode of action. 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 ArmorTech TEB 360 XL II in 1.5 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 ArmorTech TEB 360 XL II 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

- For use on ornamental plants only, not for woodlands or forest management
- For use only by professional applicators
- 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 ArmorTech TEB 360 XL II (1.13 lb AI) 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

ArmorTech TEB 360 XL II can be used in a disease control program for the listed plant types and disease in the table below. Optimum disease management is obtained when ArmorTech TEB 360 XL II 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 ArmorTech TEB 360 XL II at rates of 4-10 fluid ounces (0.11 – 0.28 lbs AI) 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

<table>
<tr><th>PLANTS</th><th>DISEASE</th><th colspan="2">APPLICATION</th></tr>
<tr><td></td><td></td><td>To Prevent Diseases</td><td>To Treat Existing Disease</td></tr>
<tr><td>Roses</td><td>Black Spot
Powdery Mildew
Rust</td><td>Apply every 14 - 21 days during the growing season, starting when leaves first appear</td><td rowspan="4">Apply every 14 days for a total of 3 applications beginning at the first sign of disease</td></tr>
<tr><td>Flowers</td><td>Leaf Spot
Powdery Mildew
Rust
Southern Blight</td><td rowspan="2">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</td></tr>
<tr><td>Crabapples
(Ornamental),
Dogwoods and Other
Landscape
(Ornamental)
Trees</td><td>Anthracnose
Leaf Spot
Powdery Mildew
Rust
Scab</td></tr>
<tr><td>Azaleas,
Camellias,
Rhododendrons and Other
Landscape
(Ornamental)
Shrubs</td><td rowspan="2">Anthracnose
Black Spot
Leaf Spot
Petal Blight
Powdery Mildew
Rust
Southern Blight</td><td rowspan="2">Petal Blight - Apply 2-3 times per week into the flowers as they open and develop color.</td></tr>
<tr><td>Ground Covers
and Vines</td></tr>
<tr><td colspan="4">HOW MUCH TO USE FOR SMALL PLANTINGS:
ADD 1 TEASPOON TO 2.5 GALLONS OF WATER</td></tr>
</table>

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.

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 spilled 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.

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: Non-refillable containers (1, 2.5, 30 & 55 gallon): Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

(non-refillable $<$5 gallons): 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.
(non-refillable $>$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.

Pressure rinse as follows (all sizes): 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 for 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 (250 gallon & bulk): 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 the 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 rinseate into application equipment or rinsate collection system. Repeat this rinsing process two more times.

In case of emergency call CHEMTREC at 1-800-424-9300.

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 Albaugh, LLC All such risks shall be assumed by the user or buyer to the extent allowable under State law.

DISCLAIMER OF WARRANTIES: ALBAUGH, 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 Albaugh, 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, ALBAUGH, 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 ALBAUGH, LLC'S ELECTION, THE REPLACEMENT OF PRODUCT.

2,4-D • MECOPROP-p • DICAMBA

ArmorTech®

Threesome®

Herbicide

Selective broadleaf weed control for turfgrass 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:	58.5%
TOTAL:	100.00%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid ..... 25.38%, 2.38 lbs/gal

**(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid.... 6.75%, 0.63 lbs/gal

***3,6-Dichloro-o-anisic Acid ..... 2.30%, 0.22 lbs/gal

‡CONTAINS THE SINGLE ISOMER FORM OF MECOPROP-p

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.
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.

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.)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Do not get in eyes, or on skin or clothing.
Harmful if swallowed.

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 1-800-424-9300 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg. No: 86064-5
EPA Est. No: 228-IL-1

NET CONTENTS: 2.5 GAL

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway, Suite 403-282
Canton, GA 30115

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. 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:

- Long-sleeved shirt and long pants
- Shoes plus socks, and
- Protective eyewear (goggles, face shield or safety glasses)*
- Chemical-resistant gloves
- Chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate

*Eye protection is not required ONLY when 5 or more parts water is used to dilute 1 part of this product. See engineering controls for additional 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 Controls Statement

When handlers use closed systems, 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, face, and arms with soap and water before eating, smoking, drinking 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 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 product has properties and characteristics associated with chemicals detected in groundwater. The use of this product 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.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCPP-p have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these herbicides at such sites to prevent contamination of groundwater supplies. Use of the closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater 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. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

This product is for use on Ornamental Turf Lawns (Residential, Industrial and Institutional), Parks, Cemeteries, Athletic Fields and Golf Courses (Fairways, Aprons, Tees and Roughs) and similar turf areas. Also for use on Sod Farms. For turf use, the maximum number of broadcast applications per treatment site is 2 per year. Product should not be used in or near greenhouses.

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.

Aerial application is prohibited.

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 http://www.epa.gov/espp.

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 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
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

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 allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

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 (S572) definition for 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 an on target deposition and there are not sensitive areas (including, but not limited to residential areas, 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: 1) conditions of temperature inversion exist, or 2) 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.

USE PRECAUTIONS

Avoid mist to vegetables, flowers, ornamentals, shrubs, trees and other desirable plants. Do not pour spray solutions near these plants. Do not spray on carpetgrass, dichondra nor on lawns or turf where desirable clovers are present. Avoid fine mists. Except as noted, use only lawn-type sprayers. Coarse sprays are less likely to "wind-drift". Use coarse spray droplets. Do not spray roots of ornamentals and trees. Do not exceed specified dosages for any area; be particularly careful within the dripline of trees and other species. Do not apply to newly seeded grasses until well established. Avoid broadcast applications when air temperature exceeds 90°F. When using small, spot treatment applications in temperature over 90°F, turf injury may occur. When treating Carpetgrass, avoid broadcast applications when air temperature exceeds 80°F. When air temperatures exceed 80°F, limit application to spot treatment only.

Apply only to dormant St. Augustine (Common, Raleigh and Seville varieties grown in Texas, Louisiana, Mississippi only) and dormant Centipede grasses (Texas, Louisiana, Mississippi only).

Avoid applying during excessively dry or hot periods unless irrigation is used. For optimum results: (1) turf should not be mowed for 1 to 2 days before and after application; (2) do not apply if rain is expected within 4 hours after the application, delay irrigation cycle for 24 hours. Reseed no sooner than three to four weeks after application of this product. Failure to observe all precautions may result in injury to turf and/or susceptible plants.

This product can be mixed with some liquid fertilizers or liquid iron materials. Because liquid fertilizer and liquid iron differ in pH, free ammonia content, density, salt concentration and percentage of water, a compatibility test is recommended prior to mixing in application equipment. All regulations, either State or Federal, relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed.

WEEDS CONTROLLED

Bedstraw	Dandelion	Lespedeza	Poison oak	Wild carrot
Black medic	Dock	Mallow	Purslane	Wild garlic
Buckhorn	Ground ivy	Morningglory	Ragweed	Wild lettuce
Burdock	Healall	Peppergrass	Sheep sorrel	Wild onion
Chicory	Henbit	Pigweed	Shepherdspurse	Yarrow and other broadleaf weeds
Chickweed	Knotweed	Plaintain	Speedwell	
Clover	Lambsquarter	Poison ivy	Spurge	

TURF, ORNAMENTAL
(golf courses, cemeteries, parks, sports fields, turfgrass, lawns and other grass areas)
AND
TURF (grown for seed or sod)
APPLICATION RATES

Site	Use Rate (Fluid Ounces)	Spray Volume (Gallons)	Use Rate (Pints)	Spray Volume (Gallons)	Use Directions
	Per 1,000 sq ft		Per Acre		(Normal Applications)
Bahiagrass Bluegrass Common Bermudagrass Fescue Ryegrass Zoysiagrass	1.1 to 1.5	0.5 to 5	3 to 4	5 to 220	**For Professional Lawn Maintenance** Higher water volumes may be used when tank-mixed with a turf fertilizer. Follow fertilizer labels for proper amounts to add. Use reduced rates if grass is stressed from heat or drought. Exercise care when applying during growth stages from dormancy to green-up and from green-up to dormancy. Some temporary discoloration may occur on warm season grasses. **If Bermudagrass is dormant** Up to 4 pints per acre may be used. However, some hybrid Bermudagrasses may be sensitive to this product. Contact your local extension service weed control specialist.

Site	Use Rate (Fluid Ounces)	Spray Volume (Gallons)	Use Rate (Pints)	Spray Volume (Gallons)	Use Directions
	Per 1,000 sq ft		Per Acre		(Normal Applications)
Dormant St. Augustine (Common, Raleigh and Seville varieties grown in Texas, Louisiana, Mississippi only) Dormant Centipede grasses (Texas, Louisiana, Mississippi only)	0.75 to 0.90 maximum	1 to 5	2 to 2.5 maximum	40 to 200	Use reduced rates if grass is stressed from heat or drought. Exercise care when applying during growth stages from dormancy to green-up and from green-up to dormancy. Some temporary discoloration may occur on warm season grasses.
Bentgrass (Putting and Bowling Greens)	0.67 maximum	3.3	1.8 maximum	145	Apply on closely mowed Bentgrass, preferably in May or mid-August through September. Slight turf yellowing will disappear after about one week. On closely mowed golf course fairways and tees or bowling greens – apply when weeds are actively growing and temperatures are low. Exercise care to avoid over application to prevent injury. Temporary discoloration may occur.

NOTE: Care should be taken to avoid overdosing Bentgrass or injury may result. Large volumes of spray water (i.e. one fluid ounce in 5 gallons of water per 1,500 square feet) will aid in obtaining uniform coverage. If hand-type sprayers are used, it is preferable to use a single nozzle sprayer rather than a multiple nozzle boom as sideways application with a boom where the spray from more than one nozzle is allowed to fall on the same area will result in heavy local over-application and subsequent turf discoloration or injury.

Ornamental Turf: Maximum single application rate is 5 pints product (1.49 lbs. 2,4-D ae) per acre. Maximum yearly application rate is 10 pints product (2.97 lbs. 2,4-D ae) per acre. Make no more than 2 applications per year.

Turf Grown for Seed/Sod: Maximum single application rate is 6.5 pints product (1.93 lbs. 2,4-D ae) per acre. Maximum yearly application rate is 13 pints product (3.87 lbs. 2,4-D ae) per acre. Make no more than 2 applications per year. Minimum interval of 30 days between applications.

Equipment	Application	Use Rate		Use Directions
		Fluid Ounces per 1,000 square feet	Pints per Acre	
Controlled Droplet Applicators (CDA), Atomizers and Spinning Disk Applicators	Cool season grasses	1.1 to 1.5	3 to 4	Use in sufficient water to assure coverage (1 to 4 gallons of water per acre is normal for this type of equipment). Do not overlap spray patterns.
	Listed warm season grasses	0.75 to 0.9	2 to 2.5	Use in sufficient water to assure coverage (1 to 4 gallons of water per acre is normal for this type of equipment); and follow CDA spray instructions for cool season grasses. Use reduced rates if grass is stressed from heat, drought, etc.
Lower Volume Equipment	Cool season and listed warm season grasses	1.1 to 1.5	3 to 4	Use as little as 5 gallons of water per acre. Use only application equipment that is capable of spreading a uniform droplet, wetting each weed surface.

NON-CROPLAND

(Fencerows, hedgerows, roadsides, ditches, rights-of-way, utility, powerlines, railroads, airports, and industrial sites)

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.

Roadsides (including aprons and guardrails), rights-of-way and other similar non-crop areas

For control of broadleaf weeds, mix at a rate of 1.5 to 3.5 quarts of this product per acre in enough water to wet all parts of the foliage. This may require 50 to 300 gallons of water per acre. This mixture will cover 43,560 square feet. Thoroughly saturate all weeds with spray mixture. Apply any time between the time when plants come into full leaf (spring) to when the plants begin to go dormant. Best results are obtained when weeds are young and actively growing. Do not cut weeds until herbicide has translocated throughout the plant causing root death. For small broadleaf weeds, use the lower rate. Heavy, dense stands require the higher rate with the high water volume. For small (spot) applications with small tank sprayers, apply at the

rate of 4 ounces of this product per gallon of water and spray to thoroughly wet all foliage.
Annual/Perennial Control: Make no more than 2 applications per year.
For control of woody plants, apply to both stems and foliage any time from the time foliage is completely matured until the time plants start to go dormant. All leaves, stems and suckers must be completely wet to the ground line for effective control. Regrowth may be anticipated on the more resistant species.

Woody Brush

Add 1 to 1.5 gallons of this product per acre to wet all parts of the brush foliage, stem and bark. This may require up to 200 to 600 gallons of water per 43,560 square feet depending upon the height and thickness of the brush. Mix thoroughly before spraying. The 1.5 gallon rate is applicable to spot treatment (an area of less than 1,000 square feet) applications only.
Woody Plant Control: Make no more than 1 application per year.
This product will either kill, control or suppress the weeds listed in the label booklet for this product. Some of these species may require repeat spot applications even under ideal conditions for application.

Maximum Seasonal Application Rate to non-crop sites is 4 pounds 2,4-D Acid equivalent per acre per application site.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Always use original container to store pesticides in a secured warehouse or storage building. Store at temperatures above 32°F. If allowed to freeze, remix before using. This does not alter this product. Containers should be opened in well ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed, labeled container for proper disposal. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate groundwater. 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 DISPOSAL: onrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.
(Nonrefillable container ≤ 5 gallons): 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.

CONDITION 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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Turf Alliance, LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Turf Alliance, LLC and Seller harmless for any claims relating to such factors.

United Turf Alliance, LLC 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. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or United Turf Alliance, LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, UNITED TURF ALLIANCE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither United Turf Alliance, LLC nor Seller shall 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 UNITED TURF ALLIANCE, LLC 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 UNITED TURF ALLIANCE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

United Turf Alliance, LLC 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 United Turf Alliance, LLC.

ArmorTech® and THREESOME® are registered trademarks of United Turf Alliance, LLC.

EPA 20110323

ArmorTech®

TMI 2020 XL

A Fungicide for the Prevention and Control of Certain Diseases of Turfgrass and Ornamentals

For use by individuals/firms licensed or registered by the state to apply ornamental or turf pest control products. This product is NOT for residential use.

ACTIVE INGREDIENTS:	**% BY WT.**
Thiophanate-methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis[carbamate])*	19.65%
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide**	19.65%
OTHER INGREDIENTS	60.70%
TOTAL	100.00%

* Equivalent to 1.87 pounds Thiophanate-methyl per gallon.
** Equivalent to 1.87 pounds Iprodione per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCIÓN

See inside label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal instructions.

EPA Reg. No. 53883-323-86064

EPA Est. No. 37429-GA-001BT; 37429-GA-002BO
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

ArmorTech is a registered trademark of United Turf Alliance, LLC

Net contents: 2.5 Gallons

Manufactured For:
United Turf Alliance, LLC
8014 Cumming Highway
Suite 403-282
Canton, GA 30015

United Turf Alliance

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 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. For information on this product, contact the National Pesticide Information Center, 1-800-858-7378, Monday-Friday, 7:30 AM-3:30 PM PST. You may also contact the National Poison Control Center at 1-800-222-1222 day or night.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear such as goggles or safety glasses. 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 C on the EPA chemical resistance category selection chart.

Mixers, loaders, others exposed to the concentrate, cleaners/repairers of equipment, and applicators applying as a dip treatment must wear:
- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, and Viton ≥ 14 mils
- Chemical-resistant apron
- Chemical-resistant footwear plus socks

Applicators using handheld equipment must wear:
- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, and Viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposures
- Dust/mist filtering respirator (MSHA/NOISH-approval number prefix TC-21C) or a NIOSH-approved respirator with any R, P, or HE filter

Applicators using mechanical ground equipment (ground boom, airblast, etc.) must wear:
- Long-sleeved shirt and long pants
- Shoes plus socks

Applicators using truck-mounted equipment with a handgun at the end of the hose (i.e., for commercial turfgrass or ornamental applications) and all the other handlers not specified above must wear:
- Long-sleeved shirt and long-pants
- Shoes plus socks
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, and Viton ≥ 14 mils

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 the 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 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 Part 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

This chemical can contaminate surface waters through aerial and 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 groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface water with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

This product is toxic to invertebrates. 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 from treated areas may be hazardous to aquatic organisms in neighboring areas. Cover, incorporate, or cleanup spills. Do not contaminate water when disposing of equipment washwater or rinsate.

PHYSICAL CHEMICAL HAZARDS

Do not store near or use with oxidizing agents.

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 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 for ornamental uses. The restricted-entry interval for all other WPS uses is 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
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or Viton ≥ 14 mils
- Dust/mist filtering respirator (MSHA/NOISH-approval number prefix TC-21C) or a NIOSH-approved respirator with any R, P, or HE filter
- Chemical-resistant footwear plus socks
- Chemical resistant headgear for overhead exposures

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

NON-AGRICULTRIAL 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 allow people (other than the applicator) or pets on the treatment area during application. Do not enter or allow others to enter the treated area until sprays have dried.

PRODUCT INFORMATION

ArmorTech TMI 2020 XL prevents and controls fungal diseases on a variety of ornamentals and turfgrass.

Do not use this product on residential sites.

Spray Equipment: This product may be applied to ornamentals by chemigation or ground spray equipment and to turfgrass sites using ground spray equipment. Apply with properly calibrated spray equipment using standard pressures to minimize spray drift.

Mixing Directions: Shake the ArmorTech TMI 2020 XL container well before adding to the spray mix. While filling the spray tank with the desired amount of water, start agitation, and add the labeled amount of ArmorTech TMI 2020 XL to the spray tank (see the specific use directions for application rates). Thoroughly rinse the ArmorTech TMI 2020 XL container and pour the rinsate into the spray tank as specified in the **CONTAINER HANDLING** section of this labeling.

Application Precautions and Restrictions: Do not allow the spray mixture to stand in the tank for longer than 12 hours prior to application. Agitate the spray mixture continuously during application.

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.

Do not apply this product when the wind direction is toward the aquatic area.

For golf courses only, do not apply to turfgrass cut higher than 1 inch on golf holes where water bodies are present.

CHEMIGATION INSTRUCTIONS
(For Ornamental Applications only. Do not use Chemigation on Turfgrass Applications.)

Apply this product only through pressurized drench (flood), sprinkler (overhead), or drip (trickle) irrigation systems. 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 your State Extension Service Specialist, equipment manufacturers, or other experts.
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.
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.

Requirements for Chemigation Systems Connected to Public Water Systems

- 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 the public water system must contain a functional, reduced-pressure zone, back flow 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 must be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow 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 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, 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 (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.

Chemigation System Requirements

System utilizing a pressurized water and pesticide 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 the pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

Chemigation Precautions

- Do not apply in greenhouses when temperatures are above 95°F.
- Do not allow the spray mixture to stand in the tank for more than 12 hours.
- For best results, do not water treated areas within 24 hours of application.

Chemigation Mixture Preparation and Application

- Remove scale, pesticide residues, and other foreign matter from the chemical tank and the entire injector system and flush thoroughly with clean water.
- See the label instructions in the **ORNAMENTAL APPLICATIONS** section of this label for dilution rates and timing of application.
- Shake product container well before pouring into spray tank.
- When applying ArmorTech TMI 2020 XL via chemigation, a pesticide supply tank should be used. Prepare a suspension of ArmorTech TMI 2020 XL in a mix tank by filling the tank with ½ to ¾ the desired amount of water. Start mechanical or hydraulic agitation and slowly add the specified amount of ArmorTech TMI 2020 XL.
- Complete the mix by adding the remaining volume of water.
- Apply ArmorTech TMI 2020 XL with liquid fertilizers that are chemically neutral. Application in conjunction with highly alkaline fertilizers such as aqueous ammonia tend to degrade the pesticide resulting in reduced performance and must be avoided.
- The spray mixture must be continuously agitated during application.
- Apply ArmorTech TMI 2020 XL continuously for the duration of the water application.
- Except in cases of severe infestation, allow one week between applications of this and other control products. (This guideline can be relaxed where a severe insect or disease attack requires immediate treatment.)

Instructions for Sprinkler (Overhead) Chemigation

- Observe the requirements in the **Chemigation System Requirements** section of this label.
- Follow instructions in the **Chemigation Mixture Preparation and Application** section of this label.
- Set the sprinkler system to deliver 0.1 to 0.25 inches of water per acre. Volumes of water higher than this will reduce efficacy. Start sprinkler and uniformly inject the suspension of ArmorTech TMI 2020 XL into the irrigation water line so as to deliver the desired rate per acre. Inject the suspension of ArmorTech TMI 2020 XL with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing.
- Maintain continuous agitation in the mix tank during mixing and application to assure uniform suspension.
- Greater accuracy in calibration and distribution will be achieved by injecting larger volumes of a more dilute suspension per unit time.
- Application of more than specified quantities of irrigation water per acre tend to result in decreased product performance.
- Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution, or when lines containing product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well pivot injection unit to prevent spray being applied to this area.
- When sprinkler distributions do not overlap sufficiently, unacceptable disease control will result.
- Allow sufficient time for pesticide to be flushed through the lines and all nozzles before turning off irrigation water.
- Check local restrictions and requirements regarding sprinkler irrigation application as they might vary from state to state.
- NOTE: When treatment with ArmorTech TMI 2020 XL has been completed, do not irrigate area for 24 to 48 hours to prevent washing the chemical off the crop.

Instructions for Pressurized Drench (Flood) Chemigation

- Observe the requirements in the **Chemigation System Requirements** section of this label.
- Follow instructions in the **Chemigation Mixture Preparation and Application** section of this label.
- 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 back flow if water flow stops.

Instructions for Drip (Trickle) Chemigation

- Observe the requirements in the **Chemigation System Requirements** section of this label.
- Follow instructions in the **Chemigation Mixture Preparation and Application** section of this label.

TURFGRASS APPLICATIONS

ArmorTech TMI 2020 XL is a foliar-applied fungicide for turfgrass disease control on golf courses, sod farms, and institutional areas where fine turfgrass is grown. It provides effective, broad-spectrum turfgrass disease control and also serves as a useful tank mixture in the resistance management program required for other resistance-sensitive fungicides.

When used in conjunction with good turf management practices, ArmorTech TMI 2020 XL prevents and controls the following turfgrass diseases:

- Anthracnose
- Ascochyta leaf blight
- Brown patch
- Copper spot
- Corticium red thread
- Dollar spot (including benzimidazole-tolerant strains)
- Fusarium patch
- Gray and pink snow mold
- Leaf spot (such as Helminthosporium leaf spot caused by *Drechslera* spp. pathogens)
- Zoysia patch

Turfgrass Use Restrictions:

- Do not apply this product to turfgrass through any type of irrigation system (chemigation).
- Do not apply this product by air (i.e., using fixed-wing aircraft or helicopter).
- Do not use this product on residential sites.
- Do not make more than six applications of this product in a year nor exceed the maximum season application rates expressed in the table below.
- Do not use less than a 14-day re-treatment interval.
- Do not contaminate feed or foodstuffs.
- Do not graze treated areas nor feed clippings to livestock.
- Do not use any stickers, extenders, or wetting agents with ArmorTech TMI 2020 XL.
- Do not water or mow treated areas within 24 hours of application to achieve best results.

FOR GOLF COURSES ONLY: When water bodies are present, do not apply to turfgrass cut taller than 1".

Spray Preparation and Application: Use with .05 to 10 gallons of water per 1000 sq. ft. Do not drench. **Refer to the Spray Equipment, Mixing Directions,** and **Application Precautions and Restrictions** sections found elsewhere on this label.

For Disease Prevention: Apply using the "Light" rates found in the table below when weather conditions are favorable for the development of disease. Repeat applications every 14 to 21 days as necessary.

For Disease Control: Apply using the appropriate rate based on the level of infestation (Light/Medium/Heavy) in the **Disease Pressure** column of the **Turfgrass Application Rates** table below and repeat applications every 14 to 21 days until the disease is under control. Once the disease is controlled, follow the instructions for disease prevention above.

Turfgrass Application Rates

USE SITE	DISEASE PRESSURE†	SINGLE APPLICATION RATE (FL. OZ. PRODUCT/1000 SQ. FT.)	MAXIMUM SEASONAL APPLICATION RATE (FL. OZ. PRODUCT/1000 SQ. FT.)
Non-Residential Turfgrass	Light Medium Heavy	1.0-2.0 2.0-3.0 3.0-4.0	16.0
Golf Courses: Tees/Greens/Aprons	Light Medium Heavy	1.0-2.0 2.0-3.0 3.0-4.0	24.0
Golf Courses: Fairways (except Florida)	Light Medium Heavy	1.0-2.0 2.0-3.0 3.0-4.0	8.0
Golf Courses: Fairways (Florida only and only during overseeding)	Light Medium Heavy	1.0-2.0 2.0-3.0 3.0-4.0	4.0

†Rates expressed in this table include all diseases listed above except pink and gray snow mold. For these diseases, you must make one application of 4 to 8 fl. oz. per 1000 sq. ft. before the first permanent snow cover. If possible, make another application during a mid-winter thaw.

ORNAMENTAL APPLICATIONS

Field, Landscape, and Greenhouse Ornamentals, and Conifer Nurseries
Note: Conifer Nurseries is Not Registered for Use in California.

ArmorTech TMI 2020 XL is a broad-spectrum fungicide that may be applied safely to a wide variety of ornamental flowering and foliage plants either as a foliar spray, drench, or dip.

Diseases Controlled:

1. Aerial web blight	*Rhizoctonia* spp.
2. Alternaria leaf blight	*Alternaria euphorbiae*
3. Alternaria leaf spot	*Alternaria panax, Alternaria tenuissima*
4. Botrytis blight	*Botrytis* spp.
5. Fusarium leaf spot	*Fusarium moniliforme*
6. Helminthosporium leaf spot	*Helminthosporium* spp.
7. Rhizoctonia stem and root rot	*Rhizoctonia* spp.
8. Ink spot	*Drechslera iridis*
9. Tulip fire	*Botrytis tulipae*
10. Alternaria leaf blight	*Alternaria zinnia*
11. Ray blight	*Ascochyta chrysanthami*
12. Fusarium corm rot	*Fusarium oxysporum*
13. Daffodil leaf scorch*	*Stagnospora curtissi*
14. Blossom blight*	*Monilinia fructicola*
15. Botrytis storage rot*	*Botrytis* spp.
16. Cylindrocladium blight and wilt*	*Cylindrocladium scoparium*

*Not registered for use in California.

Ornamentals listed on this label have been tested and found to tolerate applications of ArmorTech TMI 2020 XL at the labeled rates. However, due to the large number of species and varieties of ornamental and nursery plants and the widely varying growing conditions, it is impossible to test every variety for sensitivity to ArmorTech TMI 2020 XL. Prior to commercial use, apply the labeled rates to a small area of plants intended for treatment and observe for 7 to 10 days prior to treatment of a commercial crop.

In the table below, the numbers in ( ) after the species name refer to the **Diseases Controlled** table above.

Ornamentals

Ageratum (1-7)	Crassula (1-7)	Hawthorn (1-7)	Pine (1-7)
Ajuga (1-7)	Croton (1-7)	Holly (1-7)	Pittosporum (1-7)
Almond-Ornamental (1-7)	Cyclamen[2] (1-7)	Hoya (1-7)	Plum-Ornamental (1-7, 14**)
Alyssum (1-7)	Daffodils (1-7, 13**)	Hydrangea (1-7)	Poinsetta[2] (1-7)
Andromeda (1-7)	Dahlia (1-7)	Impatiens[1] (1-7)	Poppy (1-7)
Aphelandra (1-7)	Delphinium (1-7)	Iris (1-8)	Pothos[1] (1-6)
Artemesia (1-7)	Deutzia (1-7)	Juniper (1-7)	Primrose (1-7)
Aster (1-7)	Dianthus (1-7)	Kalanchoe (1-7)	Privet (1-7)
Azalea (1-7, 16**)	Dieffenbachia (1-7)	Lilies (1-7)	Protea (1-7)
Boxwood (1-7)	Dizygotheca (1-7)	Lipstickvine (*Aeschynanthus*)(1-7)	Pyracantha (1-7)
Cactus (1-7)	Dogwood (1-7)	Marigold (1-7)	Rhodendron (1-7, 16**)
Calendula (1-7)	Dracena (1-7)	Monarda (Bee balm) (1-7)	Rose (1-7, 15**)
Carnation (1-7)	English Ivy (1-7)	Pachysandra (1-7)	Rose tree of China (1-7)
Cherry-Ornamental (1-7)	Episcia (1-7)	Palm (1-7)	Salvia (1-7)
Chrysanthemum[3] (1-7,11)	Euonymous (1-7)	Pansy (1-7)	Schefflera (1-7)
Cineraria (1-7)	Ficus (1-7)	Peach-ornamental (1-7)	Snapdragon (1-7)
Cistena Plum (1-7, 14**)	Forsythia (1-7)	Peperomia (1-7)	Statice (1-7)
Coleus (1-7)	Gazania (1-7)	Periwinkle (1-7)	Tree ivy (1-7)
Columbine (1-7)	Geranium (1-7)	Petunia[1] (1-7)	Tulip (1-7, 9)
Conifers (1-7)**	Gladiolus (1-7, 12)	Philodendron (1-7)	Viburnum (1-7)
Coral bells (*Heuchera*) (1-7)	Gloxinia (1-7)	Phlox (1-7)	Violet (1-7)
Crape myrtle (1-7)	Gypsophila (1-7)	Pilea (1-7)	Zinnia (1-7, 10)

Restrictions and Precautions:

[1] Do not use ArmorTech TMI 2020 XL as a soil drench on impatiens, petunias, or pothos.

[2] Residue will be noticeable on foliage if plants are treated prior to sale when in bloom.

[3] On chrysanthemums, do not make repeat applications at high drench rates.

NOTE: Do not use ArmorTech TMI 2020 XL on Spathiphyllum or New Guinea Impatiens. Do not apply to home orchards/fruit trees after fruit set.

**Not registered for use in California

FOLIAR APPLICATIONS

Apply ArmorTech TMI 2020 XL as a foliar spray using ground or chemigation equipment at the rates and intervals listed in the table below. Make applications when conditions become favorable for disease development. Spray plants to run-off to insure thorough coverage.

DISEASE		RATE FL. OZ./A	APPLICATION INTERVAL
Aerial web blight	*Rhizoctonia* spp.	33 to 84	7 to 14 days
Alternaria leaf blight	*Alternaria zinnia , Alternaria euphorbiae*		
Alternaria leaf spot	*Alternaria panax, Alternaria tenuissima*		
Botrytis blight	*Botrytis* spp.		
Fusarium leaf spot	*Fusarium moniliforme*		
Helminthosporium leaf spot	*Helminthosporium* spp.		
Ink spot	*Drechslera iridis*		
Ray blight	*Ascochyta chrysanthami*		
Tulip fire	*Botrytis tulipae*		
Daffodil leaf scorch*	*Stagnospora curtissi*		
Blossom blight*	*Monilinia fructicola*		

Precautions and Restrictions for Foliar Applications:
- Do not apply more than 84 fl. oz. per acre per application.
- Do not make more than 4 applications per crop per year.
- Under severe disease pressure, use the highest rate and/or the shortest application interval. When disease pressure is light to moderate, use the lower rates and longer application intervals.
- For additional use precautions and restrictions, see the **Restrictions and Precautions** section of this label in the **Ornamentals** table above.

*Not registered for use in California.

DRENCH APPLICATIONS

Apply ArmorTech TMI 2020 XL as a drench at seeding and/or after transplanting using the rate and application interval in the table below.

DISEASE		RATE FL. OZ. PER 100 GALS.	APPLICATION INTERVAL
Rhizoctonia Stem and Root Rot	*Rhizoctonia* spp.	13.5 Apply 1 to 2 pints of solution per square foot.	14 days

Precautions and Restrictions for Drench Applications:
- Do not exceed a total of 37 fl. oz. per 1000 square feet per year.
- Do not make more than 6 applications per year.
- Under severe disease pressure, use the highest rate. When disease pressure is light to moderate, use the lower rates.
- For additional use precautions and restrictions, see the **Restrictions and Precautions** section of this label in the **Ornamentals** table above.

DIP APPLICATIONS

PLANT SPECIES	DISEASE	FL. OZ. PER 100 GALS.	DIP DURATION	DIRECTIONS
Rose	Botrytis Storage Rot (*Botrytis* spp.)	33	5 minutes	Dip bare root roses prior to cold storage.
Azalea and Rhodendron	Cylindrocladium blight and wilt* (*Cylindrocladium scoparium*)	33	5 minutes	Dip cuttings prior to planting.
Gladiolus	Fusarium corm rot (*Fusarium oxysporum*)	66	5 minutes	Dip corms prior to storage.

Precautions and Restrictions for Dip Applications:
*Not registered for use in California.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.
PESTICIDE STORAGE: Store in a cool, clean, dry place. Do not store at temperatures exceeding 120°F or at temperatures below 32°F.
PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these waste cannot disposed of 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: Empty containers retain vapor and product residues.
Nonrefillable Container (five gallons or less): 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 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 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.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire direction for use, conditions 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 risk 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 United Turf Alliance, LLC. All such risks shall be assumed by the user or buyer.
DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, United Turf Alliance, 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 United Turf Alliance, 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, United Turf Alliance, 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 United Turf Alliance, LLC election, the replacement of product.

PEEL BACK HERE AND RESEAL AFTER OPENING

ArmorTech®

TMI 2020 XL

A Fungicide for the Prevention and Control of Certain Diseases of Turfgrass and Ornamentals

For use by individuals/firms licensed or registered by the state to apply ornamental or turf pest control products. This product is NOT for residential use.

ACTIVE INGREDIENTS:	**% BY WT.**
Thiophanate-methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis[carbamate])*	19.65%
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide**	19.65%
OTHER INGREDIENTS	60.70%
TOTAL	100.00%

* Equivalent to 1.87 pounds Thiophanate-methyl per gallon.
** Equivalent to 1.87 pounds Iprodione per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION/PRECAUCIÓN

See inside label booklet for First Aid, Precautionary Statements and Directions for Use including Storage and Disposal instructions.

EPA Reg. No. 53883-323-86064

EPA Est. No. 37429-GA-001^{BT}; 37429-GA-002^{BO}
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

ArmorTech is a registered trademark of United Turf Alliance, LLC

Manufactured For:
United Turf Alliance, LLC
8014 Cumming Highway
Suite 403-282
Canton, GA 30015

Net contents: 2.5 Gallons

United Turf Alliance

MESOTRIONE	GROUP	27	HERBICIDE

ArmorTech®

Trione XL

Provides selective and residual control of weeds in ornamental turfgrasses

ACTIVE INGREDIENT	BY WEIGHT
Mesotrione: 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione	40.0%
OTHER INGREDIENTS:	60.0%
TOTAL:	100.0%

Contains 4 lbs. Mesotrione per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entienda 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 label booklet for additional Precautionary Statements and Directions for Use.

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night within USA and Canada:
1 (800) 424–9300, or +1 (703) 527–3887 (collect calls accepted)

EPA Reg. No: 91234-75-86064
EPA Est. No: 39578-TX-001[M];
072344-MO-004[T]
First letter(s) of lot number correspond to letter(s) following the EPA Est. No.

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway, Suite 403-282
Canton, GA 30115

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.

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 SafetyCall at 1-844-685-9173 for emergency medical treatment information.

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.

Personal Protection Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

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 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 and wash contaminated clothing before reuse.
- 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 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.

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.

Surface Water Advisory

This product may contaminate water through drift or spray in wind. This product has a high potential for runoff for several weeks 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 such as ponds, streams, and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

Physical and Chemical Hazards

Do not use or store near heat or open flame. Do not use with or store near any oxidizing or reducing agents. 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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and 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
- shoes plus socks
- chemical-resistant gloves

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, 40 CFR Part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, and greenhouses.

Do not enter treated areas without protection clothing until sprays have dried.

ArmorTech Trione XL is applied pre- and post-emergence to provide selective contact and residual control of turfgrass weeds. If applied pre-emergence, it is absorbed when emerging from the soil. Pre-emergence activity and control is reduced under dry conditions. Activate ArmorTech Trione XL with 0.15 inches of irrigation if rain hasn't fallen within 10 days of application. Post-emergent control is obtained by absorption into the soil and contact with foliage. Growth ceases post-application, weeds turn white from chlorophyll loss, and will die within three weeks. Make a repeat application after 2-3 weeks to improve post-emergence weed control. Add a non-ionic surfactant when making post- emergence applications.

Turfgrass color can temporarily become white during treatment. Whitening typically occurs 5-7 days post-application and lasts for several weeks. A second application to the same site will cause less whitening of plant tissue.

ArmorTech Trione XL controls weeds prior to and during seeding of certain turfgrasses during turf renovation (see **New Seedings**). If making pre-emergence application to established turf, tank mix ArmorTech Trione XL other pre-emergence herbicides such as Barricade® 65WG (EPA Reg. No. 100-834, prodiamine) for longer residual and broad spectrum control.

MANDATORY SPRAY DRIFT MANAGEMENT

Ground Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 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

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.

WINDBLOWN SOIL PARTICLES

ArmorTech Trione XL 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 content. 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 ArmorTech Trione XL if prevailing local conditions may be expected to result in off-site movement.

Approved Use Sites

ArmorTech Trione XL can be applied to commercial and residential turfgrasses. Non-crop area use sites include golf courses, sod farms, athletic fields, parks, residential and commercial properties, cemeteries, airports, and lawns.

Turfgrass Use Precautions

Apply ArmorTech Trione XL at reduced rates of 4 fl. oz./A (0.125 lb. AI/A) or less if tank mixing with atrazine, bentazon, or simazine. Before tank mixing ArmorTech Trione XL with other herbicides, conduct

a compatibility, safety, and efficacy test before treating larger areas. See tank mix partner labels for directions and precautions. The most restrictive directions apply.

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.
Thoroughly clean application equipment after use to avoid injury to sensitive plants.

To avoid injury to sensitive species, keep traffic out of treated areas until sprays have dried; irrigate soil lightly to move ArmorTech Trione XL from turf foliage before resuming normal irrigation.

Turfgrass Use Restrictions

- **DO NOT** overspray or allow spray to drift to ornamentals or flower beds and gardens. Roses and daylilies are particularly sensitive to ArmorTech Trione XL.
- **DO NOT** apply more than 4 fl. oz./A (0.125 lb. AI/A) in a single application.
- **DO NOT** apply more than 16 oz. (or 0.50 lb. mesotrione per acre per year) per acre per year.
- **DO NOT** make more than 4 applications of ArmorTech Trione XL per year when using reduced application rates.
- If multiple applications are made, they must be made no closer than 14 days apart.
- **DO NOT** plant any crop other than turfgrass for 18 months post-application of ArmorTech Trione XL to avoid turfgrass injury.
- **DO NOT** apply organophosphate or carbamate insecticides within 7 days of applying ArmorTech Trione XL.
- **DO NOT** apply ArmorTech Trione XL through any type of irrigation system.
- **DO NOT** make aerial applications.
- **DO NOT** use treated clippings to mulch trees or vegetable/flower gardens.
- **DO NOT** apply this product on Bentgrass, *Poa annua*, kikuyugrass, zoysiagrass seashore paspalum, and bermudagrass plant injury is unacceptable. Maintain a 5-foot buffer between

treated areas and bentgrass or *Poa annua* greens.

- **DO NOT** apply over the top of exposed roots of trees and ornamentals.
- **DO NOT** use on golf course putting greens; maintain a minimum of a 5-foot buffer between putting greens and treated areas.
- Residential Lawns: **DO NOT** make broadcast applications for pre- and post-emergent weed control unless the home lawn is being reseeded and/or renovated as whitening of some turfgrasses may occur.

Tolerant Turfgrass Species

The grasses listed below are tolerant to ArmorTech Trione XL at the specified rates.

Species	Application Rate (fl. oz. per acre)
Kentucky bluegrass (*Poa pertensis*) Centipedegrass (*Eremochloa ophiuroides*) Buffalograss (*Buchloe dactyloides*) Tall fescue (*Festuca arundinacea*)	5-8 (0.155-0.25 lb. AI/A)
Perennial ryegrass* (*Lolium perenne*) Fine fescue* (creeping red, chewings and hard) *Festuca* spp.	5 (0.155 lb. AI/A)
St. Augustinegrass* (grown for sod) (*Stenotaphrum secundatum*)	4 (0.125 lb. AI/A)

*See additional rate instructions below.

RESISTANCE MANAGEMENT

There is no known resistance to ArmorTech Trione XL and no known instances of cross-resistance between the active ingredient in ArmorTech Trione XL (mesotrione, a Group 27 HPPD inhibitor) and other classes of herbicides. Do not apply less than the specified label instructions and rotate to a

herbicide product with a different mode of action to prevent the occurrence of weed resistance, and the maximum number of applications and/or rate of product has been met and weeds are not controlled.

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 minimize the occurrence of resistant biotypes, observe the following general weed management practices:

- Scout application site before and after herbicide applications.
- Start with a clean application site, using either a burndown herbicide application or tillage.
- Control weeds early when they are relatively small.
- Add other herbicides (e.g. a selective and/or a residual herbicide) and cultural practices (e.g. tillage or crop rotation) where appropriate.
- Utilize the specified label rate for the most difficult to control weed in your field. Avoid tank mixtures with other herbicides that reduce this product's efficacy (through antagonism), or tank mixture directions that encourage application rates of this product below the label directions.
- Control weed escapes and prevent weeds from setting seeds.
- Clean equipment before moving from field to field to minimize the spread of weed seed or plant parts.
- Report any incidence of repeated non-performance of this product on a particular weed to local extension specialists, certified crop advisors, or your United Turf Alliance, LLC representative.
- Contact your local sales 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 mechanisms of actions for each target weed.

APPLICATION INSTRUCTIONS

Pre-Emergence Applications

Apply 4-8 fl. oz. (0.125-0.25 lb. AI) of ArmorTech Trione XL per acre in at least 30 gallons of water per acre before seeds germinate and as close to seed germination as possible. Combine this product with another pre-emergence herbicide such as Barricade 65WG (EPA Reg. No. 100-834, prodiamine) for extended control of crabgrass and foxtail.

Pre-Emergence Application Precautions

ArmorTech Trione XL is most effective on established turf when applied post-emergence unless it is combined with another soil active herbicide.

Pre-Emergence Application Restrictions

- **DO NOT** exceed 5 fl. oz. (0.155 lb. AI) per acre per application to perennial ryegrass, fine fescues, or mixed stands that consist of >50% perennial ryegrass and/or fine fescue.
- St. Augustinegrass sod: **DO NOT** exceed 4 fl. oz. (0.125 lb. AI) per acre.

Application to New Seedings/New Lawns

Apply 5-8 fl. oz. (0.155-0.25 lb. AI) ArmorTech Trione XL per acre in at least 30 gallons of water per acre before seeding or after seeding of turfgrass species listed below, except fine fescue, as application to fine fescue can reduce grass density. ArmorTech Trione XL can be effectively used on grass seed blends that contain <20% by weight hard/fine fescue. For optimal control, apply at grass seeding or as close to seeding as possible.

New Seedings/New Lawns Restrictions

- **DO NOT** spray on newly germinated turfgrass. Delay treatment until grass has been mowed 2-4 times and/or 4 weeks after emergence (whichever is longer).

Post-Emergence Application Instructions

Apply 4-8 fl. oz. (0.125-0.25 lb. AI) of ArmorTech Trione XL per acre in at least 30 gallons of water per acre with a NIS surfactant. Make a repeat application 2-3 weeks later for optimal weed control. Apply to young, actively growing weeds.

Post-Emergence Application Precautions

Moisture stress and application to mature weeds can reduce herbicide efficacy.

Bentgrass (*Agrostis* spp.)/Nimbleweed (*Muhlenbergia schreberi*) Treatment

Apply 5 fl. oz. (0.155 lb. AI) ArmorTech Trione XL per acre in at least 30 gallons of water per acre combined with a NIS surfactant at 2-3 week intervals for a maximum of 3 applications. For optimal weed control, apply in late summer/early fall just prior to new growth.

St. Augustinegrass (Sod uses only) and Centipedegrass Treatment

Apply to established turf ONLY.

St. Augustinegrass (Sod uses only) and Centipedegrass Restrictions

- **DO NOT** exceed 4 fl. oz. (0.125 lb. AI) ArmorTech Trione XL per application if tank mixing with Atrazine or Simazine.
- **DO NOT** exceed 0.5 lb. atrazine or simazine active ingredient. See atrazine/simazine labels for precautions and restrictions.

Dormant Bermudagrass Application Only

Apply 5 fl. oz. (0.155 lb. AI) per acre of ArmorTech Trione XL to control winter weeds listed in the **Weeds Controlled** table below. Make a repeat application 2-3 weeks later. Application of ArmorTech Trione XL to semi-dormant turf will cause bermudagrass whitening.

Spot Applications Of This Product

Spray Mix	Application Rate	Rate of this product	Rate of NIS adjuvant
2 gallons	1 gallon per 1,000 sq. ft.	1 teaspoon	3 teaspoons

Spot Application Restrictions

- **DO NOT** apply more than 16 oz. (0.5 lb. AI) of ArmorTech Trione XL per acre per year.

WEEDS CONTROLLED USING PRE-EMERGENCE APPLICATION

Apply ArmorTech Trione XL with a grass pre-emergence herbicide such as Barricade 65WG Herbicide (EPA Reg. No. 100-834, prodiamine), except when used to control weeds in new seedings. ArmorTech Trione XL will control the following weeds using pre- emergence application:

Common Name	Scientific Name
Barnyardgrass	*Echinochloa crusgalli*
Bentgrass (Creeping)	*Agrostis stolonifera*
Bluegrass (Annual)*	*Poa annua**
Buckhorn Plantain	*Plantago ianceloata*
Carpetweed	*Mollugo verticillata*
Chickweed (Common)	*Stellaria media*
Chickweed (Mouseear)	*Cerastium vulgatum*
Clover (Large Hop)	*Trifolium aureum*
Clover (White)	*Trifolium repens*
Crabgrass (Large)	*Digitaria sanguinalis*
Crabgrass (Smooth)	*Digitaria ischaemum*
Crabgrass (Southern)	*Digitaria ciliaris*
Foxtail (Yellow)	*Setaria glauca*
Galinsoga	*Galinsoga ciliate*
Lambsquarters	*Chenopodium album*
Pigweed (Redroot)	*Amaranthus retroflexus*
Pigweed (Smooth)	*Amaranthus hybridus*
Purslane (Common)	*Portulaca oleracea*
Shepherd's purse	*Capsella bursa-pastoris*

Common Name	Scientific Name
Smartweed (Pale)	*Polygonum lapathifolium*
Smartweed (Pennsylvania)	*Polygonum pensylvanicum*
Speedwell (Persian)	*Veronica persica*
Speedwell (Purslane)	*Veronica peregrine*
Wild Carrot	*Daucus carota*

*Suppression only

WEEDS CONTROLLED USING POST-EMERGENCE APPLICATION

Make a second application of ArmorTech Trione XL 2-3 weeks after initial treatment. For optimal control add a NIS-type surfactant and apply to young, actively growing weeds. ArmorTech Trione XL will control the following weeds using post-emergence application:

Common Name	Scientific Name
Barnyardgrass	*Echinochloa crusgalli*
Bentgrass (Creeping)	*Agrostis stolonifera*
Buckhorn Plantain	*Plantago lanceloata*
Carpetweed	*Mollugo verticillata*
Chickweed (Common)	*Stellaria media*
Chickweed (Mouseear)	*Cerastium vulgatum*
Clover (Large Hop)	*Trifolium aureum*
Clover (White)	*Trifolium repens*
Crabgrass (Large)*	*Digitaria sanguinalis**

Common Name	Scientific Name
Crabgrass (Smooth)*	*Digitaria ischaemum**
Crabgrass (Southern)*	*Digitaria ciliaris**
Curly dock	*Rumex crispus*
Dandelion (Catsear)	*Hypochoeris radicata*
Dandelion (Common)	*Taraxacum officinale*
Florida Betony	*Stachys floridana*
Florida Pusley	*Richardia scabra*
Foxtail (Yellow)	*Setaria glauca*
Galinsoga	*Galinsoga ciliate*
Goosegrass*	*Eleusine indica**
Ground Ivy	*Glechoma hederacea*
Healall	*Prunella vulgaris*
Henbit	*Lamium amplexicaule*
Lambsquarters (Common)	*Chenopodium album*
Lawn Burweed	*Soliva sessilis*
Lovegrass (Tufted)	*Eragrostis pectinacea*
Marestail	*Conyza Canadensis*
Nimblewill	*Muhlenbergia schreberi*
Nutsedge (Yellow)	*Cyperus esculentus*

Common Name	Scientific Name
Oxalis	*Oxalis stricta*
Pigweed (Redroot)	*Amaranthus retroflexus*
Pigweed (Smooth)	*Amaranthus hybridus*
Purslane (Common)	*Portulaca oleracea*
Shepherd's Purse	*Capsella bursa-pastoris*
Smartweed (Pale)	*Polygonum lapathifolium*
Smartweed (Pennsylvania)	*Polygonum pensylvanicum*
Sowthistle	*Sonchus oleraceus*
Swinecress	*Coronopus didymus*
Thistle (Canada)	*Cirsium arvense*
Verbena	*Verbena hastate*
Wild Carrot	*Daucus carota*
Wild Violet	*Viola pratincola*
Windmillgrass	*Chloris verticillata*

*For optimal control, apply to less than 4 tiller crabgrass and goosegrass.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container tightly closed when not in use. Keep away from heat and flame. Do not store near seed, fertilizers, or foodstuffs. Can be stored at temperatures as low as minus 20°F. Keep away from heat and flame.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited.

CONTAINER HANDLING ≤ 5 GALLONS: 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 late use or disposal. Drain for 10 seconds after the flow begins to drop. 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 > 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 container1/4 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 ties. 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.

LIMITATION OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE. Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following 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, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of United Turf Alliance, LLC. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES

To the extent consistent with applicable law, United Turf Alliance, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label.

LIMITATIONS OF LIABILITY

To the extent consistent with applicable law, neither United Turf Alliance, LLC, the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. 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, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

ArmorTech is a registered trademark of United Turf Alliance, LLC.

SPECIMEN LABEL

GROUP 11 FUNGICIDE

ArmorTech®

ZOXY 2F II

Broad spectrum fungicide for control of plant diseases

ACTIVE INGREDIENT:

Azoxystrobin: methyl (E)-2-{2-[6-(2-cyanophenoxy) pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*	22.9%
OTHER INGREDIENTS:	77.1%
TOTAL:	100.0%

**IUPAC*

Contains 2.08 lbs. of active ingredient per gallon

Suspension Concentration

KEEP OUT OF REACH OF CHILDREN
CAUTION

Reformulation is prohibited. See individual container labels for repackaging limitations.

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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies involving this product, call CHEMTREC® toll free at **1-800-424-9300.**	

See additional Precautionary Statements and Directions For Use inside booklet.



EPA Reg. No. 89442-21

AD052815

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if 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)

Some materials that are chemically 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 made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- 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.

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.

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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water except as specified on this label. 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. 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

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 Prime Source, a division of Albaugh LLC immediately if you observe any adverse environmental effects due to use of this product.

Physical or Chemical Hazards

Do not mix or allow coming into contact with oxidizing agent. 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.

Use of ARMORTECH ZOXY 2F II through air blast 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.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

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 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 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
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- 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. The area being treated must be vacated by unprotected persons.

Do not treat areas 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 area that was treated with this product is dry.

TURF

Golf course turf (not for use in California). Commercial turf farms (not for use in California).

ARMORTECH ZOXY 2F II is recommended for control of anthracnose, brown patch, cool weather brown patch (yellow patch), Fusarium patch, gray leaf spot, gray snow mold (Typhula blight), leafspot, melting out, necrotic ring spot, pink patch, pink snow mold, Pythium blight, Pythium root rot, red thread, Rhizoctonia large patch, southern blight, spring dead spot, summer patch, take-all patch, and Zoysia patch 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:
Sound turf management resulting in healthy, vigorous turf is the foundation of a good IPM program. Cultural practices such as proper choice of turf variety, 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.

Resistance Management:
Some turf disease pathogens are known to have developed resistance to products used repeatedly for their control. ARMORTECH ZOXY 2F II should be applied in a tank mix or alternation program with other registered fungicides that have a different mode of action and to which pathogen resistance has not developed. Do not apply more than two sequential ARMORTECH ZOXY 2F II applications for *Pythium* spp. control. For all other diseases when *Pythium* spp. is not present, do not apply more than three sequential applications of ARMORTECH ZOXY 2F II.

Application Directions:
ARMORTECH ZOXY 2F II should be applied prior to disease development. Mix ARMORTECH ZOXY 2F II with the required amount of water and apply as a dilute spray application in 2-4 gallons of water per 1,000 square feet (87-174 gallons per acre). Repeat applications at specified intervals for as long as required. For spot treatments, use 0.4 fl. oz. ARMORTECH ZOXY 2F II per 1 to 2 gallons of water. Do not apply more than 9.6 quarts product/acre/year (7.1 fl. oz. product/1,000 square feet/year). Apply by ground only.

Rate Ranges:
Use the shortest specified application interval and/or use the higher specified rate when prolonged favorable disease conditions exist.

Dollar Spot:
ARMORTECH ZOXY 2F II does not control dollar spot. ARMORTECH ZOXY 2F II is compatible in tank mixes with many other fungicides that control dollar spot. Always tank mix ARMORTECH ZOXY 2F II with another fungicide that controls dollar spot when this disease is present.

Follow directions under TANK MIXES/COMPATIBILITY above.

DIRECTIONS FOR APPLICATION FOR TURF DISEASES

Target Diseases	Use Rate (fl. oz. product per 1,000 sq. ft.)	Application Interval (days)	Remarks*
Anthracnose *(Colletotrichum graminicola)*	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Brown patch *(Rhizoctonia solani)*	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Cool weather brown patch Yellow patch *(Rhizoctonia cerealis)*	0.38-0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Fusarium patch *(Microdochium nivale)*	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Gray leaf spot *(Pyricularia grisea)*	0.38-0.77	14-28	Begin applications before disease is present and continue applications while conditions are favorable for disease development.
Gray snow mold Typhula blight *(Typhula incarnata, T. ishikariensis)*	1.35-0.77	Single application 14	Make a single application of 1.35 fl. oz. or two applications of 0.77 spaced 14 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide may enhance control under severe disease pressure.

(continued)

DIRECTIONS FOR APPLICATION FOR TURF DISEASES *(cont.)*

Target Diseases	Use Rate (fl. oz. product per 1,000 sq. ft.)	Application Interval (days)	Remarks*
Leaf spot *(Bipolaris sorokiniana)*	0.38-0.77	14-21	Apply when conditions are favorable for disease development.
Melting out *(Drechslera poae)*	0.38-0.77	14-21	Apply when conditions are favorable for disease development.
Necrotic ring spot *(Leptosphaeria korrae)*	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Pink patch *(Limonomyses roseipellis)*	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Pink snow mold *(Microdochium nivale)*	1.35-0.77	Single application 14	Make a single application of 1.35 fl. oz. or two applications of 0.77 spaced 14 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide may enhance control under severe disease pressure.
Pythium blight Pythium root rot *(Pythium aphanidermatum, Pythium* spp.)	0.38-0.77	10-14	Begin applications before disease is present. During periods of prolonged favorable conditions, treat on the 10 day application interval. For use on newly seeded as well as established turf.
Red thread *(Laetisaria fuciformis)*	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Rhizoctonia large patch *(Rhizoctonia solani)*	0.38-0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Southern blight *(Sclerotium rolfsii)*	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Spring dead spot *(Leptosphaeria korrae)* or *(Gaeumannomyces graminis var. graminis)* or *(Ophiosphaerella herpotricha)*	0.38-0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Summer patch *(Magnaporthe poae)*	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Take-all patch *(Gaeumannomyces graminis var. avenae)*	0.38-0.77	28	Make two applications 28 days apart in the spring and two applications 28 days apart in the fall.
Zoysia patch *(Rhizoctonia solani* and/or *Gaeumannomyces incrustana)*	0.38-0.77	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.

*Do not apply more than two sequential applications of ARMORTECH ZOXY 2F II for control of *Pythium* spp. For all other diseases, do not apply more than four sequential applications of ARMORTECH ZOXY 2F II.

ARMORTECH ZOXY 2F II Rate Conversion Chart for Turf

Fluid Ounces Product Per 1,000 Sq. Ft.	Ounces A.I. Per 1,000 Sq. Ft.	Fluid Ounces Product Per Acre	Pints of Product Per Acre
0.4	0.104	17.4	1.1
0.5	0.130	21.8	1.4
0.6	0.156	26.1	1.6
0.7	0.182	30.5	1.9
0.77	0.200	33.5	2.1
1.35	0.35	58.8	3.7

Amount of ARMORTECH ZOXY 2F II to Mix 100 Gallons for Turf Applications

Spray Volume (gallons/1,000 square feet)			
ARMORTECH ZOXY 2F II Use Rate (fl. oz.)	2.0 gals. (fl. oz.)	3.0 gals. (fl. oz.)	4.0 gals. (fl. oz.)
0.4	20	13	10
0.5	25	17	13
0.6	30	20	15
0.7	35	23	18
0.77	38.5	25.7	19.3
1.35	67.5	45	33.75

ORNAMENTALS

ARMORTECH ZOXY 2F II controls 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. ARMORTECH ZOXY 2F II controls certain diseases of container, bench, fiat, plug, bed or field-grown ornamentals in greenhouses, shade-houses, outdoor nurseries, retail nurseries, and other landscape areas.

INTEGRATED PEST (DISEASE) MANAGEMENT

Integrate ARMORTECH ZOXY 2F II into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, winter and/or spring pruning, plant residue management and proper timing and placement of irrigation. Immunoassay detection kits and diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

RESISTANCE MANAGEMENT

Some ornamental disease pathogens are known to have developed resistance to fungicides used repeatedly for their control. Apply ARMORTECH ZOXY 2F II in an alternation or tank mix program with other registered fungicides that have a different mode of action and to which pathogen resistance has not developed. Do not make more than three (3) sequential applications of ARMORTECH ZOXY 2F II before alternating with a fungicide of a different mode of action. A sound resistance management program includes blocks of three ARMORTECH ZOXY 2F II applications separated by blocks of two alternate fungicide applications. Do not alternate ARMORTECH ZOXY 2F II with other strobilurin fungicides.

APPLICATION DIRECTIONS

Apply ARMORTECH ZOXY 2F II as a broadcast or banded spray targeted at the foliage or crown of the plant. Apply to runoff in sufficient water to ensure complete coverage of the target plant. Good coverage and wetting of foliage is necessary for best control. Refer to the label for specific use directions for control of certain diseases. Repeat applications at specified intervals (plus alternations for resistance management) for as long as required. Applications may be made by ground only.

Start ARMORTECH ZOXY 2F II applications prior to disease development and continue throughout the season at specified intervals following resistance management guidelines. ARMORTECH ZOXY 2F II works best when used as part of a preventative disease management program.

Use only surfactants approved for ornamental plants in combination with ARMORTECH ZOXY 2F II. Do not use silicone based products with ARMORTECH ZOXY 2F II due to possible phytotoxicity. Always test tank mixes on a small group of representative plants prior to broadscale use.

Apply 1.9 - 7.7 fl. oz./100 gallons (0.95 - 3.85 fl. oz./50 gallons) ARMORTECH ZOXY 2F II every 7-28 days (or as otherwise specified for a specific plant or disease). The addition of a non-silicone based wetter-sticker at the specified use rate may enhance coverage on hard-to-wet plant foliage.

Under most conditions and for most diseases, apply 3.85 - 7.7 fl. oz./100 gallons (1.9 - 3.85 fl. oz./50 gallons) on a 7-14 day interval.

Under light to moderate disease pressure, use the lower rates within the specified rate range (1.9 - 3.85 fl. oz./100 gallons, or 0.95 - 1.9 fl. oz./50 gallons) on a 7-14 day interval or the higher rates within the specified rate range (5.75 - 7.7 fl. oz./100 or 2.85 - 3.85 fl. oz./50 gallons) on a 14-28 day interval.

Under environmental conditions which promote severe disease development, use the higher rates within the specified rate range (5.75 - 7.7 oz./100 gallons or 2.85 - 3.85 fl. oz./50 gallons) on a 7-14 day interval.

Using ARMORTECH ZOXY 2F II as a "rescue" (late curative or eradicant) treatment will not always result in satisfactory disease control.

Do not exceed 2.4 gallons of product/crop acre/year or 8 applications/crop/year.

Do not exceed 600 gallons spray volume per acre for foliar applications. For drench and crown applications, do not exceed 2 pints volume per square foot.

In addition, do not tank mix ARMORTECH ZOXY 2F II with other fungicides, insecticides, herbicides, fertilizers, adjuvants, etc., unless local experience indicates that the tank mix is safe to ornamental plants.

DRENCH APPLICATION

Apply ARMORTECH ZOXY 2F II to control soilborne, seedling, and crown diseases of production ornamentals (greenhouse, shadehouse, and container grown) as a preventative, drench treatment prior to infection. Good coverage of the pre-infection area (root zone, root ball, crown, etc.) is necessary for satisfactory control. Drench apply ARMORTECH ZOXY 2F II to container grown ornamentals using 0.38 - 1.75 fl. oz./100 gallons of water. Apply 1-2 pints of the solution per square foot surface area on a 7-28 day interval. Apply drench prior to infection as healthy roots are necessary to optimize product uptake, systemic translocation and disease protection.

For resistance management do not make more than three sequential drench applications of ARMORTECH ZOXY 2F II before alternating with a fungicide of a different mode of action.

Caution should be taken before making application of ARMORTECH ZOXY 2F II as a drench to small bedding plants in the seedling/plug stage due to possible phytotoxicity. A limited quantity of plants should be tested prior to full-scale application.

DRIP IRRIGATION

Apply ARMORTECH ZOXY 2F II through drip irrigation systems to potted ornamentals or to bedded, field grown ornamentals for soil-borne disease control. Apply 3.85 - 30.75 fl. oz. ARMORTECH ZOXY 2F II per acre as a preventative disease application. The soil or potting media should have adequate moisture capacity prior to drip application.

Terminate drip irrigation at fungicide depletion from the main feed supply tank or after 6 hours from start, whichever is shorter. For maximum efficacy, subsequent irrigation (water only) should be delayed for at least for 24 hours following drip application.

ORNAMENTAL USE RESTRICTIONS

- Do not apply ARMORTECH ZOXY 2F II to apple or cherry trees (Flowering, Yoshino variety) due to possible phytotoxicity.
- Do not use spray equipment that has applied ARMORTECH ZOXY 2F II for use in these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer.

Apply ARMORTECH ZOXY 2F II to certain varieties of crabapple for control of apple scab. ARMORTECH ZOXY 2F II is safer when applied to the species and varieties listed in Table 4. However, due to the large number of genera, species, and varieties of crabapple, it is impossible to test every one for tolerance to ARMORTECH ZOXY 2F II. The professional user should conduct small scale testing to insure plant safety prior to broadscale commercial use on plant genera and species not listed on this label.

TABLE 1: DISEASES CONTROLLED

When used in accordance with the label directions, ARMORTECH ZOXY 2F II will provide control of the following diseases of ornamental plants:

DISEASE (Pathogen)	Use Rates and Remarks	
	8 oz. and larger containers (fl. oz. product per 100 gallons)	4 oz. containers (fl. oz. product per 50 gallons)
1. CONIFER BLIGHTS		
a. Phomopsis Blight *(Phomopsis juniperovora)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
b. Tip Blight *(Sirococcus strobilinus)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
2. LEAF BLIGHTS/LEAF SPOTS		
a. Alternaria Leaf Spot *(Alternaria* spp.*)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
b. Anthracnose *(Colletotrichum spp., Elsinoe* spp.*)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
c. Downy Mildew of Rose *(Peronospora sparsa)*	Apply 3.85 - 7.7 fl. oz. every 7-21 days during periods of active plant growth and prior to dormancy or severe infection.	Apply 1.9 - 3.85 fl. oz. every 7-21 days during periods of active plant growth and prior to dormancy or severe infection.
d. Entomosporium Leaf Spot *(Entomosporium mespili)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
e. Iris Leaf Spot *(Mycosphaerella macrospora)*	Apply 3.85 - 7.7 fl. oz. every 7-21 days.	Apply 1.9 - 3.85 fl. oz. every 7-21 days.
f. Leaf Spot *(Cladosporium echinulatum)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
g. Rose Blackspot *(Diplocarpon rosea)*	Apply 7.7 - 15.4 fl. oz. every 7-14 days Apply ARMORTECH ZOXY 2F II on a 7 day interval unless disease pressure is light. Under severe disease conditions or if disease is already present, ARMORTECH ZOXY 2F II may be tank mixed with another rose blackspot fungicide. Do not exceed 46 fl. oz./acre application	Apply 3.85 - 7.7 fl. oz. every 7-14 days Apply ARMORTECH ZOXY 2F II on a 7 day interval unless disease pressure is light. Under severe disease conditions or if disease is already present, ARMORTECH ZOXY 2F II may be tank mixed with another rose blackspot fungicide. Do not exceed 46 fl. oz./acre/application
h. Myrothecium Leaf Spot *(Myrothecium* spp.*)*	Apply 3.85 - 7.7 fl. oz. every 7-21 days.	Apply 1.9 - 3.85 fl. oz. every 7-21 days.
i. Downy Mildew of bedding plants *(Peronospora* spp.*)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
j. Scab *(Venturia inaequalis)*	Apply 1.9 - 7.7 fl. oz. every 10-28 days. Do not apply to apple trees. For crabapples only, see Table 4 for tolerant species.	Apply 0.95 - 3.85 fl. oz. every 10-28 days. Do not apply to apple trees. For crabapples only, see Table 4 for tolerant species.

(continued)

TABLE 1: DISEASES CONTROLLED *(cont.)*

DISEASE (Pathogen)	Use Rates and Remarks	
	8 oz. and larger containers (fl. oz. product per 100 gallons)	**4 oz. containers (fl. oz. product per 50 gallons)**
2. LEAF BLIGHTS/LEAF SPOTS *(cont.)*		
k, Marssonina Leaf Spot *(Marssonina* spp.*)*	Apply 1.9 - 7.7 fl. oz./100 gals. every 14-28 days.	Apply 0.95 - 3.85 fl. oz. every 14-28 days.
l. Cercospora Leaf Spot	Apply 1.9 - 7.7 fl. oz./100 gals. every 7-28 days	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
3. POWDERY MILDEW Preventative applications only. Do not make more than 2 sequential applications before rotating to another class of fungicide.		
a. *Erysiphe pannosa., E* spp.	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
b. *Microsphaera azaleae*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
c. *Sphaerotheca pannosa*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
4. RUSTS		
a. Needle Rust *(Melampsora occidentalis)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
b. *Phragmidium* spp.	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
c. *Puccinia* spp.	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
d. *Gymnosporangium* spp.	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
5. FLOWER BLIGHTS		
a. Anthracnose *(Colletotrichum* spp., *Elsinoe* spp.*)*	Apply 1.9 - 7.7 fl. oz. every 7-28 days.	Apply 0.95 - 3.85 fl. oz. every 7-28 days.
b. Botrytis Slight *(Botrytis cinerea)*	Apply 7.7 - 15.4 fl. oz. every 7-21 days For suppression only. Do not exceed 46 fl. oz./acre	Apply 3.85 - 7.7 fl. oz. every 7-21 days For suppression only. Do not exceed 46 fl. oz./acre
6. SHOOT/STEM DISEASES		
a. Aerial/Shoot Blight *(Phytophthora* spp.*)*	Apply 1.9 - 3.85 fl. oz. every 7-28 days.	Apply 0.95 - 1.9 fl. oz. every 7-28 days.
7. SOILBORNE DISEASES (Directed Spray) For directed spray applications utilize the following rates below.		
a. *Rhizoctonia solani*	Apply 1.9 - 7.7 fl. oz. every 7-21 days.	Apply 0.95 - 3.85 fl. oz. every 7-21 days.
b. *Sclerotium rolfsii*	Apply 1.9 - 7.7 fl. oz. every 7-21 days.	Apply 0.95 - 3.85 fl. oz. every 7-21 days.
c. *Rosarium* spp.	Apply 1.9 - 7.7 fl. oz. every 7-21 days.	Apply 0.95 - 3.85 fl. oz. every 7-21 days.

(continued)

TABLE 1: DISEASES CONTROLLED *(cont.)*

DISEASE (Pathogen)	Use Rates and Remarks	
	8 oz. and larger containers (fl. oz. product per 100 gallons)	4 oz. containers (fl. oz. product per 50 gallons)
8. SOILBORNE DISEASES (Drench) See Ornamentals Section for additional drench directions.		
a. *Rhizoctonia solani*	Apply 0.35 - 1.75 fl. oz., 1-2 pints of the solution per square foot surface area, every 7-28 days.	Apply 0.19 - 0.95 fl. oz., 1-2 pints of the solution per square foot surface area, every 7-28 days.
b. *Sclerotium rolfsii*	Apply 0.35 - 1.75 fl. oz., 1-2 pints of the solution per square foot surface area, every 7-28 days.	Apply 0.19 - 0.95 fl. oz., 1-2 pints of the solution per square foot surface area, every 7-28 days.
c. *Fusarium* spp.	Apply 0.35 - 1.75 fl. oz., 1 2 pints of the solution per square foot surface area, every 7-28 days.	Apply 0.19 - 0.95 fl. oz., 1-2 pints of the solution per square foot surface area, every 7-28 days.

PLANT SAFETY

ARMORTECH ZOXY 2F II is safe when applied to the ornamental plants listed in Tables 2, 3, and 4; 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 ARMORTECH ZOXY 2F II. Neither the manufacturer nor the seller has determined whether or not ARMORTECH ZOXY 2F II can be used safely on genera, species, or varieties of ornamental and nursery plants not specified on this label. The professional user should conduct small scale testing to insure plant safety prior to broadscale commercial use on plant genera and species not listed in this label.

Do not tank mix ARMORTECH ZOXY 2F II with other fungicides, insecticides, herbicides, fertilizer, adjuvants, etc., unless local experience indicates that the tank mix is safe to ornamental plants.

Do not apply ARMORTECH ZOXY 2F II to certain apple, crabapple or cherry trees due to possible phytotoxicity. Further, do not use spray equipment that has applied ARMORTECH ZOXY 2F II for use in these sensitive crops due to possible phytotoxicity from residue remaining in the sprayer.

Tolerant Ornamental Plants

ARMORTECH ZOXY 2F II is safe when applied to the plants listed in Tables 2, 3, and 4 when applied according to specified application methods, rates, and timings:

TABLE 2: Tolerant Plants Listed by Botanical Name

BOTANICAL NAME	COMMON NAME	DISEASES
Abelia spp.	Abelia	2
Abies fraseri	Fraser fir	1, 4
Abies procera	Noble fir	1, 4
Acer palmatum	Japanese maple	2
Acer saccharum	Sugar maple	2
Ageratum spp.	Floss-Flower	3, 4
Ageratum spp.	Pussy's-Foot	3, 4
Aglaonema spp.	Chinese evergreen	2, 4
Ajuga reptans	Bugle, Bugleweed	3

(continued)

TABLE 2: Tolerant Plants Listed by Botanical Name *(cont.)*

BOTANICAL NAME	COMMON NAME	DISEASES
Antirrhinum spp.	Snap-Dragon	2i, 3, 4
Antirrhinum spp.	Zebra-Plant	2
Artemisia spp.	Mugwort, Sagebrush	2
Artemisia spp.	Wormwood	2
Aster spp.	Aster, Starwort	4
Aucuba japonica	Japanese aucuba, Japanese laurel	7
Begonia spp. (except Rieger begonia)	Begonia	2, 3
Berberis thunbergii	Barberry	3, 4
Betula nigra	River birch	3, 4
Bougainvillea spp.	Bougainvillea	2
Brassaia actinophylla	Rubber-free, Umbrella-tree	2, 7
Buddleia davidii	Buddleia, Butterfly bush	2
Buxus sempervirens	Boxwood	2, 7a
Caladium spp.	Caladium	7
Camellia japonica	Camellia	2
Caryota urens	Sago palm	2,7
Catharanthus roseus	Vinca	2
Ceanothus sanguineus	Wild lilac	3
Ceanothus spp.	Ceanothus, California lilac, Snowball	3
Cedrus Atlantica	Atlas cedar	2, 4
Cedrus spp.	White cedar	2, 4
Cercis occidentalis	Western redbud	2
Chamaecyparis spp.	Cypress, Leyland cypress	1
Chamaecyparis pisifera spp.	Sawara cypress	1
Chamaedorea elegans	Parlor palm	7
Chrysanthemum spp.	Chrysanthemums	2, 7c
Clethra alnifolia	Clethra, White alder	2
Cornus spp.	Dogwood, Pink Dogwood, Flowering Dogwood	2b, 3
Cornus florida	Dogwood	2b, 3
Cortaderia selloana	Pampas grass	3
Cotoneaster adpressus	Creeping cotoneaster	7
Cotoneaster horizontalis	Cotoneaster - variegated rockspray	7
Cyclamen spp.	Cyclamen	7c
Cyperus spp.	Cyperus	1
Delphinium spp.	Larkspur	2
Dianthus caryophyllus	Carnation	3, 4

(continued)

TABLE 2: Tolerant Plants Listed by Botanical Name *(cont.)*

BOTANICAL NAME	COMMON NAME	DISEASES
Dianthus spp.	Pink	3, 4
Dieffenbachia spp.	Dumb-Cane	2
Dietes iridoides	African iris, Butterfly iris	4c
Digitalis spp.	Foxglove	2, 3
Epipremnum spp.	Pothos	2
Erica darleyensis	Heather	2
Euonymus alata	Dwarf winged euonymus	2
Euonymus alatus	Burning bush	2
Euonymus japonicus	Evergreen euonymus	2
Euphorbia spp.	Poinsettia	2a
Fatsia japonica	Japanese fatsia, Paper-plant	2
Ficus spp.	Fig	2
Forsythia viridissima	Forsythia	2
Gaillardia spp.	Blanket flower	2
Gardenia jasminoides	Gardenia	3
Geranium spp.	Cranesbill	5b
Gerbera jamesonii	Gerber daisy, Transvaal daisy	3
Hedera algeriensis	Algerian ivy	2
Hedera helix	English ivy	2
Hibiscus moscheutos	Hibiscus	2, 3
Hibiscus rosa-sinensis	Hibiscus	2, 3
Hibiscus syriacus	Rose of Sharon	2, 3
Hosta spp.	Hosta	2
Hydrangea macrophylla	French hydrangea	2, 3
Hydrangea spp.	Hydrangea	2, 3
Ilex spp.	Holly, Winterberry, Yaupon	3
Impatiens spp.[1]	Balsam, Impatiens [1]	2a, 7a
Iris xiphium	Iris (bulbous, Spanish, Dutch)	2e
Itea virginica	Virginia willow	3, 4
Juniperus procumbens	Juniper	1a, 4
Juniperus scopulorum	Juniper	1a, 4
Juniperus spp.	Juniper	1a, 4
Juniperus virginiana	Red cedar	1a, 4
Lagerstroemia indica	Crapemyrtle	2, 3
Laurus nobilis	Laurel	3
Lilium spp.	Asiatic lily	2
Liriope muscari	Lily-turf	2

(continued)

TABLE 2: Tolerant Plants Listed by Botanical Name *(cont.)*

BOTANICAL NAME	COMMON NAME	DISEASES
Lobularia maritima	Sweet alyssum	7
Magnolia grandiflora	Southern magnolia	2
Magnolia soulangiana	Saucer magnolia	2
Magnolia spp.	Magnolia	2
Malus spp.	Crabapple (See Table 4 for variety list)	2i
Nandina domestica	Nandina	2
Nerium oleander	Oleander, Rose-bay	2
Pelargonium spp.	Geranium	3, 4, 5b
Pennisetum alopecuroides	Grass	2
Peperomia spp.	Baby rubber-plant	2, 7
Petunia spp.	Petunia	6a
Phalaris spp.	Dwarf pampas grass	3
Philodendron spp.	Philodendron	2j
Phlox spp.	Phlox	3
Phoenix dactylifera	Date palm	2, 7
Phoenix roebelenii	Roebelin's palm	2, 7
Photinia glabra	Red tip photinia	2, 3, 4
Picea abies	Norway spruce	1
Picea glauca	White spruce	1
Picea pungens	Blue spruce	1
Pieris japonica	Japanese andromeda	2, 7
Pinus muhgo	Muhgo pine	1b, 4
Pinus nigra	Black pine	1b, 4
Pinus silvestris	Scotch pine	1, 4
Pinus spp.	Pine	1b, 4
Pinus strobus	Eastern white pine	1b, 4
Pittosporum spp.	Australian laurel	3, 4
Pittosporum tobira	Mock-orange	3, 4
Plectranthus spp.	Swedish ivy, Coleus	2
Populus trichocarpa	Poplar	4
Populus spp.	Aspen Trees	2
Potentilla spp.	Cinquefoil	2
Primula spp.	Primrose	2
Prunes pumila	Cherry	2, 5
Prunes spp.	Flowering plum, Purple-leaf plum	2, 5
Pseudotsuga spp.	Douglas fir	1, 4
Pyrus calleryana	Bradford's pear	3

(continued)

TABLE 2: Tolerant Plants Listed by Botanical Name *(cont.)*

BOTANICAL NAME	COMMON NAME	DISEASES
Quercus falcata	Red oak	2, 3
Quercus palustris	Pin oak	2, 3
Rhaphiolepis indica	Indian hawthorn	2, 3, 4
Rhododendron spp.	Azaleas, Rhododendron	2b, 3, 6, 7
Rhododendron spp.	Glacier Azalea	2b, 3, 6, 7
Rosa spp.	Rose	2a, 2c, 3c, 4b
Rosmarinus spp.	Rosemary (prostrate)	2
Rudbeckia hirta	Black-eyed Susan	2j
Salvia spp.	Sage	3, 4j
Schlumbergera	Holiday cactus	2, 7
Sedum spp.	Orpine, Stonecrop	2
Sempervivum spp.	Live-forever, House-Leek	2
Setaria spp.	Ribbon Grass	2, 3
Spathiphyllum floribundum	Peace lily	2, 7
Spiraea bumalda	Spirea	3
Spiraea japonica	Spirea	3
Syagrus romanzoffianum	Queen palm	2
Tagetes spp.	Marigold	2a
Taxus baccata	Spreading yew	7
Thuja plicata	Western red cedar	4
Thujopsis spp.	Arborvitae	2
Thymus serphyllum	Creeping thyme	2
Tsuga heterophylla	Western hemlock	4
Tsuga spp.	Hemlock	4
Verbena spp.	Verbena, Vervain	3
Viburnum spp.	Viburnum	2, 3, 4
Vinca spp.	Periwinkle	2, 6a
Viola spp.[1]	Viola, Pansy[1]	2
Weigela Florida	Pink weigela	2
Yucca spp.	Yucca	7
Zinnia spp.	Zinnia	2a, 3

[1]Do not exceed 3.85 fl. oz./100 gallons on these species

TABLE 3: Tolerant Plants Listed by Common Name

COMMON NAME	BOTANICAL NAME
Abelia	*Abelia* spp.
Andromeda Japanese	*Pieris japonica*
Arborvitae	*Thujopsis* spp.
Aspen Trees	*Populus* spp.
Aster	*Aster* spp.
Aucuba, Japanese	*Aucuba japonica*
Azalea, Glacier	*Rhododendron* spp.
Azaleas	*Rhododendron* spp.
Balsam	*Impatiens* spp.
Barberry	*Berberis thunbergii*
Begonia (except Rieger begonia)	*Begonia* spp.
Birch, River	*Betula nigra*
Black-eyed Susan	*Rudbeckia hirta*
Blanket Flower	*Gaillardia* spp.
Bougainvillea	*Bougainvillea* spp.
Boxwood	*Buxus sempervirens*
Buddleia	*Buddleia davidii*
Bugle	*Ajuga reptans*
Bugleweed	*Ajuga reptans*
Burning Bush	*Euonymus alatus*
Butterfly Bush	*Buddleia davidii*
Cactus, Holiday	*Schlumbergera*
Caladium	*Caladium* spp.
Camellia	*Camellia japonica*
Carnation	*Dianthus caryophyllus*
Ceanothus	*Ceanothus* spp.
Cedar, Atlas	*Cedrus atlantica*
Cedar, Red	*Juniperus virginiana*
Cedar, Western Red	*Thuja plicata*
Cedar, White	*Cedrus* spp.
Cherry	*Prunus pumila*
Christmas Tree	See Fraser fir, Scotch pine, and Douglas fir
Chrysanthemum	*Chrysanthemum* spp.
Cinquefoil	*Potentilla* spp.
Clethra	*Clethra alnifolia*
Coleus	*Plectranthus* spp.
Cotoneaster, Creeping	*Cotoneaster adpressus*

(continued)

TABLE 3: Tolerant Plants Listed by Common Name *(cont.)*

COMMON NAME	BOTANICAL NAME
Cotoneaster, Variegated Rockspray	*Cotoneaster horizontalis*
Crabapple (See Table 4 for variety list)	*Malus* spp.
Cranesbill	*Geranium* spp.
Crapemyrtle	*Lagerstroemia indica*
Cyclamen	*Cyclamen* spp.
Cyperus	*Cyperus* spp.
Cypress, Sawara	*Chamaecyparis pisifera*
Cypress, Leyland	*Chamaecyprais* spp.
Daisy, Gerber	*Gerbera jamesonii*
Daisy, Transvaal	*Gerbera jamesonii*
Dogwood	*Cornus* spp.
Dogwood	*Cornus florida*
Dogwood, Pink	*Cornus* spp.
Dumb-Cane	*Dieffenbachia* spp.
Euonymus, Dwarf Winged	*Euonymus alata*
Euonymus, Evergreen	*Euonymus japonicus*
Evergreen, Chinese	*Aglaonema* spp.
Fatsia, Japanese	*Fatsia japonica*
Fig	*Ficus* spp.
Fir, Douglas	*Pseudotsuga* spp.
Fir, Fraser	*Abies fraseri*
Fir, Noble	*Abies procera*
Floss-Flower	*Ageratum* spp.
Forsythia	*Forsythia viridissima*
Foxglove	*Digitalis* spp.
Gardenia	*Gardenia jasminoides*
Geranium	*Pelargonium* spp.
Grass	*Pennisetum alopecuroides*
Grass, Dwarf Pampas	*Phalaris* spp.
Grass, Pampas	*Cortaderia selloana*
Hawthorn, Indian	*Rhaphiolepis indica*
Heather	*Erica darleyensis*
Hemlock	*Tsuga* spp.
Hemlock, Western	*Tsuga heterophylla*
Hibiscus	*Hibiscus moscheutos*
Hibiscus	*Hibiscus rosa-sinensis*
Holly	*Ilex* spp.

(continued)

TABLE 3: Tolerant Plants Listed by Common Name *(cont.)*

COMMON NAME	BOTANICAL NAME
Hosta	*Hosta* spp.
House-Leek	*Sempervivum* spp.
Hydrangea	*Hydrangea* spp.
Hydrangea, French	*Hydrangea macrophylla*
Impatiens[1]	*Impatiens* spp.[1]
Iris (Bulbous, Spanish, Dutch)	*Iris xiphium*
Iris, African	*Dietes iridioides*
Iris, Butterfly	*Dietes iridioides*
Ivy, Algerian	*Hedera algeriensis*
Ivy, English	*Hedera helix*
Ivy, Swedish	*Plectranthus* spp.
Juniper	*Juniperus procumbens*
Juniper	*Juniperus scopulorum*
Juniper	*Juniperus* spp.
Larkspur	*Delphinium* spp.
Laurel	*Laurus nobilis*
Laurel, Australian	*Pittosporum* spp.
Laurel, Japanese	*Aucuba japonica*
Lilac, California	*Ceanothus* spp.
Lilac, Wild	*Ceanothus sanguineus*
Lily, Asiatic	*Lilium* spp.
Lily, Peace	*Spathiphyllum floribundum*
Lily-Turf	*Liriope muscari*
Live-Forever	*Sempervivum* spp.
Magnolia	*Magnolia* spp.
Magnolia, Saucer	*Magnolia soulangiana*
Magnolia, Southern	*Magnolia grandiflora*
Maple, Japanese	*Acer palmatum*
Maple Sugar	*Acer saccharum*
Marigold	*Tagetes* spp.
Mock-Orange	*Pittosporum tobira*
Mugwort	*Artemisia* spp.
Nandina	*Nandina domestics*
Oak, Pin	*Quercus palustris*
Oak, Red	*Quercus falcata*
Oleander	*Nerium oleander*
Orpine	*Sedum* spp.

(continued)

TABLE 3: Tolerant Plants Listed by Common Name *(cont.)*

COMMON NAME	BOTANICAL NAME
Palm, Date	*Phoenix dactylifera*
Palm, Parlor	*Chamaedorea elegans*
Palm, Queen	*Syagrus romanzoffianum*
Palm, Roebelin's	*Phoenix roebelenii*
Palm, Sago	*Caryota urens*
Pansy*	*Viola* spp.*
Paper Plant	*Fatsia japonica*
Pear Bradford's	*Pyrus calleryana*
Periwinkle	*Vinca* spp.
Petunia	*Petunia* spp.
Philodendron	*Philodendron* spp.
Phlox	*Phlox* spp.
Photinia, Red-Tip	*Photinia glabra*
Pine	*Pinus* spp.
Pine, Black	*Pinus nigra*
Pine, Eastern White	*Pinus strobus*
Pine, Muhgo	*Pinus muhgo*
Pine Scotch	*Pinus sylvestris*
Pink	*Dianthus* spp.
Plum, Flowering	*Prunus* spp.
Plum, Purple-Leaf	*Prunus* spp.
Poinsettia	*Euphorbia* spp.
Poplar	*Populus trichocarpa*
Pothos	*Epipremnum* spp.
Primrose	*Primula* spp.
Pussy's-Foot	*Ageratum* spp.
Redbud, Western	*Cercis occidentalis*
Rhododendron	*Rhododendron* spp.
Ribbon-Grass	*Setaria* spp.
Rose of Sharon	*Hibiscus syriacus*
Rose	*Rosa* spp.
Rose-Bay	*Nerium oleander*
Rosemary (Prostrate)	*Rosmarinus* spp.
Rubber-Plant, Baby	*Peperomia* spp.
Rubber Tree	*Brassaia actinophylla*
Sage	*Salvia* spp.
Sagebrush	*Artemisia* spp.

(continued)

TABLE 3: Tolerant Plants Listed by Common Name *(cont.)*

COMMON NAME	BOTANICAL NAME
Snap-Dragon	*Antirrhinum* spp.
Snowball	*Ceanothus* spp.
Spirea	*Spiraea bumalda*
Spirea	*Spiraea japonica*
Spruce, Blue	*Picea pungens*
Spruce, Norway	*Picea abies*
Spruce, White	*Picea glauca*
Starwort	*Aster* spp.
Stonecrop	*Sedum* spp.
Sweet Alyssum	*Lobularia maritima*
Thymes Creeping	*Thymus serphyllum*
Umbrella-Tree	*Brassaia actinophylla*
Verbena	*Verbena* spp.
Vervain	*Verbena* spp.
Viburnum	*Viburnum* spp.
Vinca	*Catharanthus roseus*
Viola	*Viola* spp.
White alder	*Clethra* spp.
Weigela, Pink	*Weigela Florida*
Willow, Virginia	*Itea virginica*
Winterberry	*Ilex* spp.
Wormwood	*Artemisia* spp.
Yaupon	*Ilex* spp.
Yew, Spreading	*Taxus baccata*
Yucca	*Yucca* spp.
Zebra-Plant	*Aphelandra* spp.
Zinnia	*Zinnia* spp.

[1]Do Not Exceed 3.85 fl. oz./100 gallons on these species.

TABLE 4: Tolerant Varieties of Crabapple Species (Genus *Malus*) Tolerant Varieties of *Malus*

Arkansas Black	Eleyi	Mary Potter	*sieboldii*
atrosanguinea	Enterprise	Molten Lava	Selkirk
baccata	Evereste	New Centennial	Sentinel
baccata var. *jackii*	Eyelynn	Ormiston Roy	Silver Moon
baccata var. *mandshurica*	*floribunda*	Pink Satin	Sliver Drift
Callaway	Gloriosa	Prairie Maid	Sinai Fire
Candymint Sargent	Golden Delicious	Prairifire	*spectabilis*
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 5. Intolerant Plants (DO NOT apply ARMORTECH ZOXY 2F II to these species or varieties)

COMMON NAME	BOTANICAL NAME
Apple	*Malus domestics*
Crabapple - Flame variety	*Malus* spp.
Crabapple - Brandywine variety	*Malus* spp.
Crabapple - Novamac variety	*Malus* spp.
Cherry, Flowering - Yoshino variety	*Prunus yedoensis*
Leatherleaf Fern and Other Ferns for cut foliage	*Rumohra adiantiformis* and other species for cut foliage
Privet	*Ligustrum* spp.

CONIFERS INCLUDING CHRISTMAS TREES, COMMERCIAL PRODUCTION ROSES

ARMORTECH ZOXY 2F II controls certain diseases on conifers in production (indoor and outdoor) and landscape situations. Please see the Ornamental Section above for more detailed directions for use in landscape situations.

Crop	Target Diseases	Use Rate fl. oz. product/Acre (lb. a.i./A)	Remarks
Conifers including Christmas Trees	Diplodia tip blight (*Diplodia pinea*) Lophodermium Needlecast (*Lophodermium pinastri*) Swiss Needlecast (*Phaeocryptopus gaeumannii*)	6.1 - 15.3 (0.10 - 0.25)	**Integrated Pest (Disease) Management:** Integrate ARMORTECH ZOXY 2F II into an overall disease management strategy that includes selection of varieties with disease tolerance and removal of plant debris in which inoculum may overwinter. **Resistance Management:** Do not apply more than four sequential applications of ARMORTECH ZOXY 2F II before alternating with a fungicide that is not in Group 11. Do not make more than eight applications of ARMORTECH ZOXY 2F II per acre per year. **Application Directions:** Begin ARMORTECH ZOXY 2F II applications prior to disease development and continue throughout the season at 7-21 day intervals following the resistance management guidelines. Make applications by ground, air or chemigation. An adjuvant may be added at specified rates.

(continued)

CONIFERS INCLUDING CHRISTMAS TREES, COMMERCIAL PRODUCTION ROSES *(cont.)*

Crop	Target Diseases	Use Rate fl. oz. product/Acre (lb. a.i./A)	Remarks
Roses (Commercial Rose Production)	Downy Mildew (*Peronospora sparsa*) Powdery Mildew (*Sphaerotheca pannosa*) Rust (*Phragmidium mucronatum, P. tuberculatum*, and other *Phragmidium* spp.) Septoria Leaf Spot (*Septoria rosea*) Alternaria Leaf Spot (*Alternaria alternata*)	3.0 - 15.3 (0.05 - 0.25)	**Integrated Pest (Disease) Management:** Integrate ARMORTECH ZOXY 2F II into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, winter and/or spring pruning, plant residue management and proper timing and placement of irrigation. **Resistance Management:** Do not make more than four sequential applications of ARMORTECH ZOXY 2F II before alternating with a fungicide that is not in Group 11. Do not make more than eight applications per acre per year. **Application Directions:** Begin ARMORTECH ZOXY 2F II application prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Make applications by ground, air or chemigation. An adjuvant may be added at specified rates. **Plant Safety:** ARMORTECH ZOXY 2F II is safe when applied to roses. However, all varieties of roses have not been evaluated for safety. Small scale variety safety testing must be conducted to insure plant safety prior to large scale application, in addition, do not tank mix ARMORTECH ZOXY 2F II with other fungicides, insecticides, herbicides, fertilizer, etc. unless local experience indicates that the tank mix is safe to roses.

Specific Use Restrictions: Do not apply more than 123 fluid ounces of product/acre/season (2.0 lbs. a.i./A).

STORAGE AND DISPOSAL

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

PESTICIDE 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 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.

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 Prime Source, a division of Albaugh LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold Prime Source, a division of Albaugh LLC and Seller harmless for any claims relating to such factors.

Prime Source, a division of Albaugh LLC 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 Prime Source, a division of Albaugh LLC, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, PRIME SOURCE, A DIVISION OF ALBAUGH LLC 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 Prime Source, a division of Albaugh LLC 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 PRIME SOURCE, A DIVISION OF ALBAUGH LLC 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 PRIME SOURCE, A DIVISION OF ALBAUGH LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Prime Source, a division of Albaugh LLC 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 Prime Source, a division of Albaugh LLC.

Ambush®, Callisto®, Halex®, Plant Performance™, Warrior with Zeon Technology®, the ALLIANCE FRAME, the SYNGENTA Logo and the PURPOSE ICON, are Trademarks of a Syngenta Group Company
Acrobat® is a trademark of BASF Corporation.
Aliette® and Phaser® are trademarks of Bayer CropScience.
Botran® is a trademark of Gowan Company.
Lorsban® and Kelthane® are trademarks of Dow AgroSciences, LLC.
Lannate® is a trademark of DuPont Crop Protection.
M-Pede® is a trademark of Mycogen Corporation.
Pounce® is a trademark of FMC Corporation and Agriliance, LLC.

ArmorTech®

SPECIMEN LABEL

ZOXY®-T

Broad-spectrum fungicide for control of turf diseases on golf courses

ACTIVE INGREDIENTS:	**% BY WT**
Azoxystrobin: methyl (E)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy] alpha-methoxmethylene)benzeneacetate	11.9%
Tebuconazole: (+)-alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1 H-1,2,4-triazole-1–ethanol	26.9%
OTHER INGREDIENTS:	61.2%
TOTAL	100.0%

A suspension concentrate fungicide containing 2.34 lb. Tebuconazole and 1.04 lb. Azoxystrobin per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements and directions for use inside booklet.
Reformulation is prohibited, See individual container labels for repackaging limitations.

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.
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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER - FOR MEDICAL OR TRANSPORT EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC TOLL FREE AT 1-800-424-9300.	

EPA Reg. No. 42750-292
EPA Est. No. 42750-MO-01

ArmorTech and ZOXY are registered trademarks of United Turf Alliance, LLC

Distributed by:
Albaugh,LLC
1525 NE 36th Street
Ankeny, Iowa 50021

AD061115

PRECAUTIONARY STATEMENTS

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. Wear long-sleeved shirt and long pants, socks and shoes. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separate from other laundry.
Some materials that are chemically resistant to this product are listed below.

Applicators and other handlers must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
3. Shoes plus socks

USER SAFETY RECOMMENDATIONS

Users should:

1. Wash hands 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

Azoxystrobin, can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. 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. 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.

GROUND WATER ADVISORY

Azoxystrobin and tebuconazole are toxic to freshwater and estuarine/marine fish; and azoxystrobin 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. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Surface Water Advisory:

This product may contaminate water through drift or spray in wind. This product has a high potential for runoff into surface waters for several days to weeks after application. Poorly draining soils, wet soils with readily visible slopes toward adjacent surface waters or soil 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. Notify state and/or Federal authorities immediately if you observe any adverse environmental effects due to use of this product.

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

PHYSICAL HAZARDS

Do not mix or allow contact with oxidizing agents. 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. Read entire label before using this product. This label must be in the possession of the user at the time of pesticide application.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

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.

Chemigation - Do not apply this product through any irrigation/chemigation system.

PRODUCT INFORMATION

ArmorTech ZOXY-T is a combination of two broad spectrum, preventative fungicides with systemic properties for the control of many important turfgrass diseases on golf course turf only. ArmorTech ZOXY-T may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered, turf protection products. All applications must be made according to the use directions that follow. This product is not for residential use.

PRODUCT TANK MIX USE PRECAUTIONS

ArmorTech ZOXY-T has demonstrated some phytotoxic effects when mixed with products that are formulated as EC's. These effects are enhanced if applications are made under cool, cloudy conditions and these conditions remain for several days following application. In addition, adjuvants that contain some form of silicone have also contributed to phytotoxicity.

INTEGRATED PEST (DISEASE) MANAGEMENT

ArmorTech ZOXY-T should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. The USE DIRECTIONS section in this label identifies specific IPM recommendations. Consult your local turf authority for additional IPM strategies established for your area. ArmorTech ZOXY-T may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

ArmorTech ZOXY-T is a mixture of a Group 3 (tebuconazole) and a Group 11 (azoxystrobin) fungicide. ArmorTech ZOXY-T has two modes of action: (1) DMI (Demethylation Inhibitor of sterol biosynthesis) [Group 3], and (2) inhibitor of the Qo (quinone outside) site within the electron transport system (QoI) as well as disrupting membrane synthesis by blocking demethylation [Group 11]. Fungal pathogens can develop resistance to products with the same mode of action when, used repeatedly. ArmorTech ZOXY-T is not cross-resistant with other classes of fungicides which have different modes of action. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for turf in your area. Consult your local or State turf authorities for resistance management strategies that are complementary to those in this label.

Resistance management strategies may include rotating and/or tank-mixing with products having different modes of action or limiting the total number of applications per season. Avoid alternation with other QoIs, such as pyraclostrobin and trifloxystrobin or other DMI's such as triadimefon, fenarimol, and myclobutanil. ArmorTech ZOXY-T should not be alternated or tank mixed with fungicides to which resistance has already developed. Continual use of ArmorTech ZOXY-T may allow less sensitive strains of pathogens to increase in the population and reduce the efficacy of ArmorTech ZOXY-T. ALBAUGH encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Use of a multiple-site contact fungicide such as Daconil as an alternation or tank-mix partner can help alleviate selection pressure on pathogens and delay the onset of resistance.

Since pathogens differ in their potential to develop resistance to fungicides use the USE DIRECTIONS section in this label provides resistance management strategies specific for each disease.

SPRAYING/MIXING

Do not apply ArmorTech ZOXY-T to turf by air.

ArmorTech ZOXY-T may be applied with all types of spray equipment commonly used for making ground applications. Do not apply ArmorTech ZOXY-T through any type of ultra low volume (ULV) spray system (less than 3 gals/A). The higher rates in the rate range and/or shorter spray intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when disease conducive environmental conditions exist

Apply ArmorTech ZOXY-T in sufficient water volume for adequate coverage.

SPRAY DRIFT MANAGEMENT

ATTENTION

Bermudagrass can be sensitive to ArmorTech ZOXY-T.

ArmorTech ZOXY-T is extremely phytotoxic to certain apple varieties. AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit).

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.

RESTRICTIONS

OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, AND ESTUARIES.

- Do not apply by ground within 100 feet of aquatic areas listed above
- Do not cultivate within 10 feet of an aquatic area to allow growth of a vegetative filter strip.
- DO NOT spray ArmorTech ZOXY-T where spray drift may reach apple trees,
- Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat.
- DO NOT spray when conditions favor drift beyond area intended for application.
- DO NOT use spray equipment which has been previously used to apply ArmorTech ZOXY-T to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.
- Do not apply ArmorTech ZOXY-T to turf by air.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR

APPLICATION INSTRUCTIONS

Apply ArmorTech ZOXY-T at rates and timings as described in this label.

MIXING INSTRUCTIONS

To prepare spray solution, partially fill the spray tank with clean water and begin agitation. Add the specified amount of ArmorTech ZOXY-T to the tank, allowing time for good dispersion, then add an adjuvant, if recommended. If tank mixes are required, product should be added to the spray tank in the following order; ArmorTech ZOXY-T, wettable granular or dry flowable formulations, wettable powders and flowable (aqueous suspensions) products. Finish filling the tank to the desired volume to obtain the proper spray concentration. Maintain agitation throughout the spraying operation.

Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use. Sprayers should be thoroughly cleaned immediately after application.

Do not use silicone-based products with ArmorTech ZOXY-T due to possible phytotoxicity.

If spray-tank mixture is unsprayed for more than 18 hours (overnight), re-suspend product with agitation for 20 minutes.

ArmorTech ZOXY-T is compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products, if tank mixes are desired, observe all directions, precautions* and limitations on labeling of ail products used.

Consult compatibility charts or your local or State turf authority for compatibility information. Do not combine ArmorTech ZOXY-T 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. if physical compatibility is unknown, the following procedure should be followed; Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least twenty (20) minutes, if the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

USE DIRECTIONS

ArmorTech ZOXY-T is for control of certain pathogens causing foliar, stem, and root diseases, including leaf and stem blights, leaf spots, patch diseases, mildews, anthracnose, fairy rings, molds, and rusts of turfgrass in golf courses. This product is not for residential use. Do not apply this product by aerial application.

Integrated Pest (Disease) Management (IPM):
Sound turf management resulting in healthy, vigorous turf is the foundation of a good IPM program. Cultural practices such as proper choice of turf variety, 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.

Application Directions:
ArmorTech ZOXY-T should be applied prior to disease development. Mix ArmorTech ZOXY-T with the required amount of water and apply as a dilute spray application in 2-4 gals of water per 1000 sq. ft. (87-174 gals./A).

Repeat applications at specified intervals for as long as required, not to exceed the maximum specified use rate per season. For spot treatments, use 0.75 fl. oz. ArmorTech ZOXY-T per 1 to 2 gals, of water.

For use with soil injection applications:
ArmorTech ZOXY-T may be applied through a liquid fungicide injector for the control of ectotrophic root diseases such as summer patch and take-ail patch. Use ArmorTech ZOXY-T only in liquid injection equipment specifically designated for pesticide use.

For use with soil injection applications:
Apply ArmorTech ZOXY-T at 0.75 - 1.7 fl. oz. per 1000 sq. ft. Spray carrier volume should fall within 30-150 gals, of water per 1000 sq. ft. Injection hole spacing of 1 inch by 1 inch is recommended for optimum control. Injection depth should be no greater than 2 inches. One inch depth is recommended for optimum results. Application should follow disease control strategies used for normal broadcast spray programs.

For use in the establishment of turfgrass from seed or in overseeding of dormant turfgrass:

ArmorTech ZOXY-T may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. ArmorTech ZOXY-T may also be used during overseeding of dormant turfgrass.

ArmorTech ZOXY-T may be safety applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, and fescue turfgrass types. Optimum application timing is during seeding. See Application Directions section.

Rate Ranges:
Use the shorter specified application interval and/or use the higher specified rate when prolonged favorable disease conditions exist.

TURF USE RESTRICTIONS

- **For use on golf course turf only**
- Not for residential use
- Not for use on turf being grown for sale or commercial use as sod.
- 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.

- Do not graze or feed clippings from treated turf areas to animals.
- Do not apply ArmorTech ZOXY-T to turf by air. Applications must be made by ground only.
- Do not exceed 1.5 fl. oz./1,000 sq. ft. every 30 days on any variety of bermudagrass.
- In FL, do not apply ArmorTech ZOXY-T to bermudagrass golf course greens when temperatures exceed 90°F.
- Do not apply more than 1.75 gallons of product/acre/year (5.1 fl. oz. product/1000 sq. ft./year).
- Do not apply more than 6 applications per year, except in NY State.
- Do not apply more than 3 applications at 0.75 fl. oz. of ArmorTech ZOXY-T per 1000 sq. ft. per year in New York State. Do not exceed a total of 98.0 fl. oz. (1.8 lb. of tebuconazole a.i.) per acre per year in New York State.

Target Diseases	**Use Rate (fl. oz. product per 1000 sq. ft.)**	**Application Interval (days)**	**Remarks***
Anthracnose *(Colletotrichum cereale)* (formerly known as *C. graminicola*)	0.75 - 1.5	14 - 28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. The maximum application interval for greens is 14 days.
Bentgrass Dead Spot *(Ophiosphaerella Agrostis)*	0.75 - 1.5	14	Begin applications prior to disease development.
Brown Patch *(Rhizoctonia solani)*	0.5 - 0.75	14	For higher cut cool season turfgrass, St, Augustine grass and centipedegrass (above 0.375 inch in height). Apply when conditions are favorable for disease development
Brown Patch *(Rhizoctonia solani)* and other Rhizoctonia (*R.* spp.) diseases such as Large Patch, Zoysia Patch, Leaf & Sheath Spot *(R. zeae)*	0.75 - 1.5	14 - 28	For Brown Patch, apply when conditions are favorable for disease development. For Large Patch of all warm season turfgrasses, make 1 or 2 applications in the fall prior to infection or when conditions are favorable for infection. For Zoysia Patch, make 1 or 2 applications approximately one month prior to zoysiagrass dormancy. Reapply 14 to 28 days later. For Leaf & Sheath Spot (R. zeae), apply when conditions are favorable for infection such as sequential or periods of temperatures at or above 90 degrees Fahrenheit. Curative control may necessitate several applications. Target spray applications at crown of turfgrass.
Cool Weather Brown Patch, Yellow Patch *(Rhizoctonia cerealis)*	1.5	28	Make 1 or 2 applications in fall or when conditions are favorable for disease development.
Dichondra Rust *(Puccinia dichondrae)*	1.5	14 - 21	Apply when conditions are favorable for disease development.
Dollar Spot *(Sclerotinia homoeocarpa)*	0.75 - 1.5	7 - 14	Apply preventively on higher cut cool season turfgrass (fairways, lawns, etc.) mowed at or above 0.375 inch in height during periods of low to moderate disease pressure.

(continued)

Target Diseases	Use Rate (fl. oz. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Dollar Spot *(Sclerotina homoeocarpa)*	0.75 - 1.5	14 - 28	Apply preventively when conditions are favorable for disease development. For turf with active dollar spot, use the higher rate and combine with Daconil.
Fairy Ring (*Lycoperdon* spp., *Agrocybe pediades*, and *Bovistra plumbea*)	0.75 - 1.5	14 - 28	Apply as soon as possible after fairy ring symptoms develop. Apply in 2-4 gals, of water per 1000 sq. ft. Add the recommended rate of a wetting agent to the final spray. Severely damaged or thin turf may require reseeding. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. If area is hydrophobic, use wetting agents and irrigate prior to application(s) of ArmorTech ZOXY-T. Reapplication after 28 days may be required in some cases.
Gray Leaf Spot *(Pyricularia grisea)*	0.75 - 1.5	14 - 28	Use ArmorTech ZOXY-T in a preventive disease control program. Begin applications before disease is present and alternate with other fungicide chemistries that control gray leaf spot.
Gray Snow Mold, Typhula Blight *(Typhufa incarnata)*	1.5	10 - 28	Make two applications of 1.5 fl. oz. spaced 10-28 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide, such as Daconil and Medallion, may enhance control under severe disease pressure.
Leaf Rust, Stem Rust, Stripe Rust (*Puccinia* spp.)	0.75 - 1.5	14 - 28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Leaf Spot *(Bipolaris sorokiniana)*	0.75 - 1.5	14 - 21	Apply when conditions are favorable for disease development.
Melting Out *(Drechslera poae)*	0.75 - 1.5	14 - 21	Apply when conditions are favorable for disease development.
Microdochium Patch (formerly known as Fusarium Patch) *(Microdochium nivale)*	0.75 - 1.5	14 - 28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Necrotic Ring Spot *(Ophiosphaereiia korrae)*	1.5	14 - 28	Apply when conditions are favorable for disease development.
Pink Patch *(Limonomyses roseipellis}*	0.75 - 1.5	14 - 28	Apply when conditions are favorable for disease development.
Pink Snow Mold *(Microdochium nivate)*	1.5	10 - 28	Make two applications of 1.5 fl. oz. spaced 10-28 days apart in- late fall just before snow cover. Tank mixing with another snow mold fungicide, such as Daconil .and Medallion, may enhance control under severe disease pressure.

(continued)

Target Diseases	Use Rate (fl. oz. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Powdery Mildew *(Erysiphe graminis)*	0.75 - 1.5	14 - 28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Pythium Blight, Pythium Root Rot (*Pythium aphanidermatum, Pythium* spp.)	1.5	10 - 14	Use preventatively. Begin applications when c conditions are favorable for disease infection prior to disease symptom development. During periods of prolonged favorable conditions, treat on the 10 day application interval. For use on newly seeded well as established turf.
Red Thread *(Laetisaria fuciformis)*	0.75 - 1.5	14 - 28	Apply when conditions are favorable for disease development.
Southern Blight *(Scierotium rotfsii)*	0.75 - 1.5	14 - 28	Apply when conditions are favorable for disease development.
Spring Dead Spot *(Ophiosphaerella korrae)* or *(Ophiosphaerella narmari)* or *(Ophiosphaerella herpotricha)*	1.5	14 - 28	Apply 1 or 2 applications approximately one month prior to bermudagrass dormancy. 1/4" to 1/2" of irrigation directly after application is recommended. Reapply 14 to 28 days later.
Summer Patch *(Magnaporthe poae)*	0.75 - 1.5	14 - 28	Apply when conditions are favorable for disease development. Initiate applications when soil temperatures reach 65°F at a 2 inch soil depth.
Take-all Patch *(Gaeumannomyces graminis* var. *venae)*	1.5	28	Begin applications when conditions are favorable for disease infection prior to disease symptom development. Make two applications, 28 days apart in the spring and two applications 28 days apart in the fall.

*Do not apply more than two sequential applications of ArmorTech ZOXY-T for control of Gray Leaf Spot and *Pythium* spp. For all other diseases when Gray Leaf Spot and *Pythium* spp. are not present, do not apply more than three sequential applications of ArmorTech ZOXY-T.

ArmorTech ZOXY-T Rate Conversion Chart for Turf

Fl. Oz. Product* Per 1000 Sq. Ft.	Pints Product Per Acre	Gal. Product Per Acre
0.75	2.0	0.26
1.0	27	0.34
1.5	4.0	0.51

*One fluid ounce of ArmorTech ZOXY-T contains 0.2925 ounces (weight) of tebuconazole and 0.1300 ounces (weight) azoxystrobin.

Amount of ArmorTech ZOXY-T for Turf Applications per 100 Gallons

Spray volume: 2 gals./1000 sq. ft.

ArmorTech ZOXY-T Use Rate (fl. oz./1000 sq. ft.)	Pints of product/100 gals.
0.75	2.3
1.0	3.1
1.5	4.7

Spray volume: 3 gals./1000 sq. ft.

ArmorTech ZOXY-T Use Rate (fl. oz./1000 sq. ft.)	Pints of product/100 gals.
0.75	1.5
1.0	2.1
1.5	3.0

Spray volume: 4 gals./1000 sq. ft.

ArmorTech ZOXY-T Use Rate (fl. oz./1000 sq. ft.)	Pints of product/100 gals.
0.75	1.15
1.0	1.55
1.5	2.25

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. In case of spill on floor or paved surfaces, mop up and remove to chemical waste storage area until proper disposal can be made if product cannot be reused 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. Open dumping is prohibited.

CONTAINER HANDLING: [less than 5 gallons] - 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 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, 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. 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. 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, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or turf conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ALBAUGH, LLC or Seller. To the extent permitted by applicable law, All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold

ALBAUGH, LLC and Seller harmless for any claims relating to such factors, ALBAUGH, LLC 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 abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ALBAUGH, LLC, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, ALBAUGH, LLC 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 STATED ABOVE.

To the extent permitted by applicable law, in no event shall ALBAUGH, LLC 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 PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ALBAUGH, LLC 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 ALBAUGH, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

ALBAUGH, LLC 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 ALBAUGH, LLC.

ADVANCED
TURF SOLUTIONS
GREENS GRADE

12-24-10

Greens Grade
Methylene Urea, SOP, MAP

GUARANTEED ANALYSIS

Total Nitrogen (N) 12.0%
6.0% Ammoniacal Nitrogen
1.9% Water Insoluble Nitrogen*
0.9% Urea nitrogen
3.2% Slowly Available Water Soluble Nitrogen*
Available Phosphate (P_2O_5) 24.0%
Soluble Potash (K_2O) 10.0%
Sulfur (S) 3.4%

Plant foods derived from: Sulfate of Potash, Methylene Urea, Monoammonium Phosphate.

*5.1% slowly available nitrogen from methylene ureas.

495-9110 genericpocket

Armament™

Net Wt. 50 lbs. (22.7 kg)

PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. Wear protective gloves/clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

FIRST AID

IF IN EYES:	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or doctor/physician if you feel unwell.
IF SWALLOWED:	Rinse mouth. Call a Poison Center or doctor/physician if you feel unwell.
IF ON SKIN:	Wash with plenty of soap and water. If skin irritation persists, get medical advice/attention.

For Chemical Spill, Leak, Fire or Exposure, Call CHEMTREC 1-800-424-9300

STORAGE AND DISPOSAL

Storage: Store in a cool dry area inaccessible to children and domestic animals. Reseal package tightly after each use.
Disposal: Dispose of contents in accordance with local/regional regulations.
Container Disposal: Place empty bag in trash or offer for recycling if available.

SPREADER SETTINGS

These settings are recommendations only. Each user should calibrate their own spreaders for proper application. Your application may vary with ground speed and wear on your spreading equipment. Bulk density, particle size (SGN) and a change in fertilizer analysis will also vary your spreader setting. To calibrate your spreader, place the proper amount of product for 500 square feet into the spreader and apply to your pre-measured 500 square feet (100 feet long by 5 feet wide) and adjust the spreader setting as necessary.

GREENS GRADE SGN

# OF PRODUCT /1000 SQ. FT.	# OF PRODUCT /ACRE	SCOTTS R8	LESCO ROTARY	SPYKER 24	PRIZELAWN CB	EARTHWAY 2400	LELY	VICON
3 LBS	130 LBS	H-I	F-G	3.25	3.25	12.5	3.75	21
4 LBS	174 LBS	I	G	3.5	3.75	13	4.5	25
5 LBS	218 LBS	J	H	3.75	4	14	5	28
6 LBS	261 LBS	K	H 1/2	4	4 1/2	15	5.5	30

Notice: These are approximate settings, age and condition of spreader can affect setting - always calibrate your spreader before using. Instructions for how to calibrate your spreader can be found on our website.

KEEP OUT OF REACH OF CHILDREN

WARNING
Causes serious eye irritation.
Harmful if inhaled.
Harmful if swallowed.
Causes skin irritation.



DIRECTIONS FOR USE

- Apply when turf or foliage is dry.
- Water following application will enhance performance of the fertilizer.
- Slightly overlap application to avoid striping turf.
- Uniform broadcast distribution of this product is essential. Spreaders should be calibrated for accurate and uniform application of this product.
- This product may contain materials that can stain sidewalks, patios, driveways, containers, etc. Sweep or remove immediately after application if product comes in contact with these surfaces to avoid staining.
- Avoid applying targeted areas when air temperatures exceed 85 degrees.
- Avoid applying when weather conditions favor drift from target areas.
- Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rains are expected. Apply this product only to your lawn and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn.
- Use in accordance with recommendations of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.
- Store the blended fertilizer product in a cool, dry place out of direct sunlight.

LIMITED WARRANTY AND DISCLAIMER

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Distributed & Guaranteed by:
Advanced Turf Solutions
12955 Ford Drive
Fishers, IN 46038

ATS-14C

ADVANCED®
TURF SOLUTIONS

22-0-4

Foliar Pak® Armament™
Granular Blended Fertilizer with 50% XCU

Guaranteed Analysis:

Total Nitrogen (N).....22%
22% Urea Nitrogen*

Soluble Potash (K_2O).....4%

Derived from: Urea, Polymer Sulfur Coated Urea, Muriate of Potash

*11% Slowly Available Nitrogen from Polymer Sulfur Coated Urea

Guaranteed by: Advanced Turf Solutions, 12955 Ford Drive, Fishers, Indiana 46038

Net Weight 50 lbs. (22.68 kg)

ADVANCED
TURF SOLUTIONS
GREENS GRADE

12-24-10

Greens Grade

Methylene Urea, SOP, MAP

GUARANTEED ANALYSIS

Total Nitrogen (N) 12.0%
6.0% Ammoniacal Nitrogen
1.9% Water Insoluble Nitrogen*
0.9% Urea nitrogen
3.2% Slowly Available Water Soluble Nitrogen*
Available Phosphate (P_2O_5) …… 24.0%
Soluble Potash (K_2O) 10.0%
Sulfur (S) ……. 3.4%

Plant foods derived from: Sulfate of Potash, Methylene Urea, Monoammonium Phosphate.

*5.1% slowly available nitrogen from methylene ureas.

495-9110 genericpocket

Armament™

Net Wt. 50 lbs. (22.7 kg)

PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. Wear protective gloves/clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

FIRST AID

IF IN EYES:	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or doctor/physician if you feel unwell.
IF SWALLOWED:	Rinse mouth. Call a Poison Center or doctor/physician if you feel unwell.
IF ON SKIN:	Wash with plenty of soap and water. If skin irritation persists, get medical advice/attention.

For Chemical Spill, Leak, Fire or Exposure, Call CHEMTREC 1-800-424-9300

STORAGE AND DISPOSAL

Storage: Store in a cool dry area inaccessible to children and domestic animals. Reseal package tightly after each use.
Disposal: Dispose of contents in accordance with local/regional regulations.
Container Disposal: Place empty bag in trash or offer for recycling if available.

SPREADER SETTINGS

These settings are recommendations only. Each user should calibrate their own spreaders for proper application. Your application may vary with ground speed and wear on your spreading equipment. Bulk density, particle size (SGN) and a change in fertilizer analysis will also vary your spreader setting. To calibrate your spreader, place the proper amount of product for 500 square feet into the spreader and apply to your pre-measured 500 square feet (100 feet long by 5 feet wide) and adjust the spreader setting as necessary.

GREENS GRADE SGN

# OF PRODUCT /1000 SQ. FT.	# OF PRODUCT /ACRE	SCOTTS R8	LESCO ROTARY	SPYKER 24	PRIZELAWN CB	EARTHWAY 2400	LELY	VICON
3 LBS	130 LBS	H-I	F-G	3.25	3.25	12.5	3.75	21
4 LBS	174 LBS	I	G	3.5	3.75	13	4.5	25
5 LBS	218 LBS	J	H	3.75	4	14	5	28
6 LBS	261 LBS	K	H 1/2	4	4 1/2	15	5.5	30

Notice: These are approximate settings, age and condition of spreader can affect setting - always calibrate your spreader before using. Instructions for how to calibrate your spreader can be found on our website.

KEEP OUT OF REACH OF CHILDREN

WARNING
Causes serious eye irritation.
Harmful if inhaled.
Harmful if swallowed.
Causes skin irritation.

DIRECTIONS FOR USE

- Apply when turf or foliage is dry.
- Water following application will enhance performance of the fertilizer.
- Slightly overlap application to avoid striping turf.
- Uniform broadcast distribution of this product is essential. Spreaders should be calibrated for accurate and uniform application of this product.
- This product may contain materials that can stain sidewalks, patios, driveways, containers, etc. Sweep or remove immediately after application if product comes in contact with these surfaces to avoid staining.
- Avoid applying targeted areas when air temperatures exceed 85 degrees.
- Avoid applying when weather conditions favor drift from target areas.
- Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rains are expected. Apply this product only to your lawn and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn.
- Use in accordance with recommendations of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.
- Store the blended fertilizer product in a cool, dry place out of direct sunlight.

LIMITED WARRANTY AND DISCLAIMER

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Distributed & Guaranteed by:
Advanced Turf Solutions
12955 Ford Drive
Fishers, IN 46038

ADVANCED® TURF SOLUTIONS

22-3-11

Foliar • Pak ® Armament ™

Granular Blended Fertilizer with PSCU

GUARANTEED ANALYSIS

Total Nitrogen (N) 22%
21.4% Urea Nitrogen*
0.6% Ammoniacal Nitrogen
Available Phosphate (P_2O_5) 3%
Soluble Potash (K_2O) 11%

Derived from: Urea, Polymer Sulfur Coated Urea, Ammonium Phosphate and Muriate of Potash

*11% Slowly Available Nitrogen from Polymer Sulfur Coated Urea

Armament®

GUARANTEED BY: ADVANCED TURF SOLUTIONS, 12955 FORD DRIVE, FISHERS, INDIANA 46038 **NET WEIGHT: 50 LBS.**

ADVANCED TURF SOLUTIONS

26-0-6

Foliar • Pak ® Armament™

Granular Blended Fertilizer with PSCU & AMS

GUARANTEED ANALYSIS

Total Nitrogen (N) 26%
17.4% Urea Nitrogen*
8.6% Ammoniacal Nitrogen
Soluble Potash (K_2O) 6%

Derived from: Urea, Polymer Sulfur Coated Urea, Muriate of Potash and Ammonium Sulfate

*8.6% Slowly Available Nitrogen from Polymer Sulfur Coated Urea

Armament™

GUARANTEED BY: ADVANCED TURF SOLUTIONS, 12955 FORD DRIVE, FISHERS, INDIANA 46038

NET WEIGHT: 50 LBS.

ADVANCED TURF SOLUTIONS®

30-0-6

Granular Blended Fertilizer with PSCU

Foliar- Pak Armament

Guaranteed Analysis:

Total Nitrogen (N)	30.0%
30.0% Urea Nitrogen*	
Soluble Potash (K_2O)	6.0 %

*** 15.0% Slowly Available Nitrogen from Polymer Sulfur Coated Urea**

Derived from: Urea, Polymer Sulfur Coated Urea, and Muriate of Potash.

Packaged for: Advanced Turf Solutions, 12955 Ford Drive, Fishers, Indiana 46038

Net Wt. 50 lbs.

ADVANCED
TURF SOLUTIONS

46-0-0

Ultra N™
Prilled Urea

Guaranteed Anaylsis:

Total Nitrogen (N)	46%
46.00% Urea Nitrogen	

Derived from: Urea

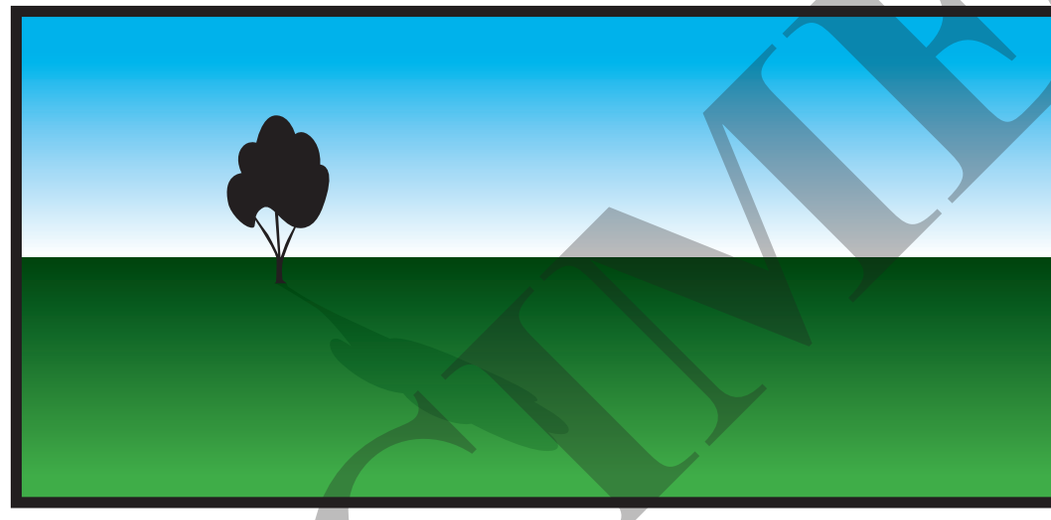
*46% nitrogen stabilized with dicyandiamide (DCD) and N-(n-butyl) thiophosphoric triamide (NBPT)

Morral Companies, 132 Postle Street, Morral, Ohio 43337
03/31/17 Net Weight 50 lbs.

IMAZOSULFURON	GROUP 2	HERBICIDE

Celero®

HERBICIDE



PROFESSIONAL VALENT® PRODUCTS

TURF HERBICIDE
A SELECTIVE HERBICIDE FOR THE CONTROL OF NUTSEDGE AND OTHER WEEDS IN ESTABLISHED TURFGRASS.

Active Ingredient	By Wt
*Imazosulfuron	75.0%
Other Ingredients	25.0%
Total	100.0%

*2-chloro-*N*-[[(4,6-dimethoxy-2-pyrimidinyl)-amino] carbonyl]imidazo[1,2-*a*]pyridine-3-sulfonamide

Celero® Herbicide is a water dispersible granule containing 75.0% active ingredient.

EPA Reg. No. 59639-155
EPA Est. 11773-IA-1Ⓦ, 39578-TX-1Ⓔ, 62171-MS-3Ⓟ
Superscript is first letter of lot number.

NET CONTENTS 1 POUND

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

Form 1800-F

SPECIMEN

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 by 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 **800-892-0099** for emergency medical treatment information.

SPECIMEN

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Causes moderate eye irritation. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes and socks, and chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils and Viton ≥ 14 mils.

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are 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/PPE immediately if pesticide gets inside. Then wash thoroughly and put on 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 by disposing of equipment washwaters or rinsate.

SPECIMEN

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. Imazosulfuron and degradates are classified as having high potential for reaching surface water via runoff for 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 imazosulfuron and degradates 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.

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

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 area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

SPECIMEN

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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

Celero Herbicide 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 content. Other factors which can affect the movement of windblown soil include the intensity and directions of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying *Celero* Herbicide if prevailing local conditions may be expected to result in off-site movement.

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

(continued)

SPECIMEN

(continued)

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). 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 and 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 Standards 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 all unprotected persons out of operating areas, or vicinity where there may be drift. Do not enter or allow others to enter treated areas until sprays have dried.

SPECIMEN

DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, nonperformance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop

(continued)

SPECIMEN

(continued)

in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label **and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED.** No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

To the fullest extent allowed by law, Valent or Seller is not liable for any

(continued)

SECTION

(continued)

incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR 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 THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

PROMPT NOTICE OF CLAIM

To the extent consistent with applicable law allowing such requirements, Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made. To the extent consistent with applicable law, if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing **Disclaimer, Risks of Using This Product, Limited Warranty** and **Limitation of Liability,** which may not be modified by any oral or written agreement.

SPECIMEN

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor to the extent allowed by applicable law.

Read and follow the entire label of each product to be used in the tank mix with this product.

PRODUCT INFORMATION

Celero Herbicide is a selective herbicide for control of sedges and selected broadleaf weeds in established turfgrass.

Celero Herbicide inhibits the enzyme acetolactate synthase (ALS), which plants require to produce three key amino acids. Nutsedge and other susceptible weeds usually stop growing within 7 to 14 days after treatment, and turn yellow or brown within 21 days after treatment. Plant death typically occurs by 21 to 28 days after treatment. More than one application of *Celero* Herbicide may be required for maximum weed control.

Celero Herbicide is absorbed by plant foliage and roots. Plant uptake and performance of *Celero* Herbicide is influenced by environmental conditions, cultural practices and spray coverage. For best results, apply *Celero* Herbicide when plants are actively growing.

SPECIMEN

Weed Resistance Management

For resistance management, *Celero* Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to *Celero* Herbicide and other Group 2 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 *Celero* 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.

(continued)

SPECIMEN

(continued)

- Fields should be scouted prior to application to identify the weed species present and their growth stage to determine if the intended application will be effective. Fields should be scouted after application to verify that the treatment was effective. 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 or to find out if suspected resistant weeds have been found in their region.
- For further information or to report lack of performance or suspected resistance, contact Valent U.S.A. LLC at 800-898-2536.

SPECIMEN

SPRAYER PREPARATION

Before applying *Celero* Herbicide, start with clean, well maintained application equipment. Calibrate spray equipment before each use and check periodically during application. The spray tank, hoses and booms must be cleaned to ensure no residue from the previous spraying operation remains in the sprayer. The spray equipment must be cleaned according to the manufacturer's directions for the last product used before the equipment is used to apply *Celero* Herbicide. If two or more products were tank mixed prior to *Celero* Herbicide application, follow the most restrictive cleanup procedure.

MIXING INSTRUCTIONS

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, slowly add the *Celero* Herbicide to the spray tank. A rippling or rolling action on the water surface will occur as the result of an effective agitation.
3. If tank mixing *Celero* Herbicide with other labeled pesticides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
4. Add any required adjuvants (see Adjuvants section below).
5. Fill spray tank to desired level with water. Continue to agitate until all spray solution has been applied.
6. Mix only the amount of spray solution that can be applied the day of mixing. Apply *Celero* Herbicide within 24 hours of mixing.

SPECIMEN

JAR TEST TO DETERMINE COMPATIBILITY OF TANK MIX PARTNERS AND/OR ADJUVANTS WITH *CELERO* HERBICIDE

Perform a jar test before mixing commercial quantities of *Celero* Herbicide, when using *Celero* Herbicide for the first time, tank mixing *Celero* Herbicide or when a new water source is being used.

1. Add 1 pt of the water to a quart jar. Use water from the same source and at the same temperature as water that will be used in the spray tank mixing operation.
2. Add 3 grams (approximately 1 level tsp) for the 10.6 oz rate or 4 grams (approximately 1.3 level tsp) for the 14.2 ounce rate of *Celero* Herbicide to the quart jar. Gently mix until product goes into suspension. If applicable, add the appropriate amount of tank mix partner to the quart jar and gently mix. Add any required adjuvants and gently mix (0.25% NIS is 1.2 mL or 1/4 tsp).
3. Place cap on jar, invert 10 times, let stand for 15 minutes, evaluate.
4. An ideal tank mix combination will be uniform and free of suspended particles. If any of the following conditions are observed, reevaluate the choice of the adjuvant or tank mix partner:
   a) Layer of oil or globules on the mixture's surface.
   b) Flocculation: fine particles in suspension or as a layer on the bottom of the jar.
   c) Clabbering: thickening texture (coagulated) like gelatin.

SPECIMEN

SPRAY DRIFT

Ground Boom 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 turf application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour 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 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.

SPECIMEN

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.

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.

SPECIMEN

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.

SPECIMEN

SPRAYER CLEANUP

Residual amounts of herbicide in/on mixing or spraying equipment may have an adverse effect on subsequently sprayed crops. Thoroughly drain, clean and rinse all mixing and spraying equipment (including tanks, booms, hoses, strainers, screens and nozzles) immediately after use. Use the following procedure:

1. Remove all physical residue.
2. Thoroughly drain and rinse tanks, booms and hoses with clean water.
3. Fill the tank one-half full of clean water and use a spraying/mixing tank cleaner that does not contain chlorine. Let agitate/re-circulate according to the directions of the cleaner manufacturer. Thoroughly flush the boom and hoses before draining.
4. Rinse all hoses, tanks, nozzles, strainers and booms with clean water to remove the tank cleaner. Follow the directions provided by the tank cleaner manufacturer.
5. Fill the tank half full of clean water and add one (1) gallon of 3% active household ammonia for every 100 gallons of water the tank will hold. Fill the remainder of the tank with clean water and allow the solution to agitate/re-circulate for 15 minutes. Thoroughly flush the ammonia cleaning solution through the boom, nozzles, screens and strainers before draining the tank.
6. Remove the strainers, nozzles and screens and clean separately in a solution of one part 3% active household ammonia to 100 parts water.
7. Replace the strainer(s), nozzles and screens.
8. Repeat step 5.
9. Thoroughly rinse the tank with clean water and flush the water through the boom, nozzles and hoses in order to remove the traces of ammonia.
10. Dispose of the rinsate on site or at an approved waste disposal facility.

SPECIMEN

ADJUVANTS

When an adjuvant is to be used with this product, Valent recommends the use of a Chemical Producers and Distributors Association certified adjuvant. Valent recommends the use of 0.25% v/v of non-ionic surfactant as an adjuvant with *Celero* Herbicide. Also refer to the adjuvant section of the tank mix partner's label for adjuvant recommendation.

WEEDS CONTROLLED

SEDGES CONTROLLED BY POSTEMERGENCE APPLICATION OF *CELERO* HERBICIDE

Common Name	Scientific Name
Nutsedge	
Purple	*Cyperus rotundus*
Yellow	*Cyperus esculentus*
Sedge	
Annual	*Kyllinga* spp.
Cylindric	*Cyperus retrosus*

(continued)

SPECIMEN

WEEDS CONTROLLED (continued)

BROADLEAF WEEDS CONTROLLED BY POSTEMERGENCE APPLICATION OF *CELERO* HERBICIDE

Common Name	Scientific Name
Burclover, California	*Medicago polymorpha*
Burweed, Lawn	*Soliva pterosperma*
Chickweed	
Common	*Stellaria media*
Mouseear	*Cerastium vulgatum*
Sticky	*Cerastium glomeratum*
Geranium, Carolina	*Geranium carolinianum*
Henbit	*Lamium amplexicaule*
Parsley Piert	*Aphanes arvensis*
Purslane, Common	*Portulaca oleracea*

DIRECTIONS FOR USE ON ESTABLISHED TURFGRASS

Celero Herbicide can be applied to established residential and commercial turfgrass for control of nutsedge and selected broadleaf weeds. Apply *Celero* Herbicide to turfgrass growing in areas such as apartment complexes, golf courses, sod farms, roadsides, sports fields, campgrounds, office complexes, parks, parking areas, recreational sites, schools, residential lawns and commercial areas.

When applied as directed, the following established turfgrass species are tolerant to *Celero* Herbicide.

SPECIMEN

TOLERANT TURFGRASS SPECIES

Cool Season Turfgrass Species	
Common Name	**Scientific Name**
Creeping Bentgrass	*Agrostis stolonifera*
Fine Fescue	*Festuca arundinacea*
Kentucky Bluegrass	*Poa pratensis*
Perennial Ryegrass	*Lolium perenne*
Tall Fescue	*Festuca arundinacea*

Warm Season Turfgrass Species	
Common Name	**Scientific Name**
Bermudagrass	*Cynodon* spp.
Centipedegrass	*Eremochloa ophiuroides*
St. Augustinegrass	*Stenotaphrum secundatum*
Zoysiagrass	*Zoysia* spp.

BROADCAST APPLICATIONS

Apply 8 to 14 oz of *Celero* Herbicide (0.38 to 0.66 lb ai/A) plus 0.25% v/v of a non-ionic surfactant (1 quart per 100 gallons of spray solution) per broadcast acre as a postemergence (after weed emergence) application. Apply *Celero* Herbicide for postemergence application use after nutsedge has reached the 3-leaf stage of growth. Use the low rate for light infestations and the high rate for heavier nutsedge infestations. Only use a non-ionic surfactant that contains at least 80% active ingredient.

When applied at 8 oz, make a second application at 21 days after the initial treatment. At rates greater than 8 oz (up to 14 oz) product per acre, a second

SPECIMEN

application of *Celero* Herbicide may be made, if needed, 21 days after the initial treatment. Apply the second application using the above mentioned rate guidelines when the nutsedge reaches the 3-leaf stage of growth.

To ensure thorough coverage, use 20 to 30 gallons of spray solution per acre. Use a minimum of 30 gallons per acre if dense vegetation is present, such as golf course rough areas. Select nozzle according to "Nozzle type" section above.

SPOT TREATMENTS

Mix 0.25 to 0.33 oz (0.011 to 0.015 lb ai) of *Celero* Herbicide in one to two gallons of water to treat 1,000 square feet. Add 2 teaspoons (1/3 fl oz) of non-ionic surfactant per gallon of water.

Occasionally shake the spray solution while spraying to ensure the spray solution remains well mixed. Spray the target weeds until the leaves are wet.

TANK MIXING WITH OTHER POSTEMERGENCE TURFGRASS HERBICIDES

Celero Herbicide can be tank mixed with other herbicides registered for use in turfgrass for nutsedge and broad spectrum broadleaf weed control.

USE PRECAUTIONS

Celero Herbicide is an active herbicide, so exercise good judgment and caution until familiarity is gained with this product.

RESTRICTIONS AND LIMITATIONS

- Do not apply through any type of irrigation system.
- Do not apply by air.
- Do not apply to golf course putting greens.
- Do not irrigate within 4 hrs before or after application.
- Do not apply if rain is expected within 4 hrs after application.
- Do not mow turfgrass within 24 hrs after application.

SPECIMEN

- Do not apply to moist or wet turfgrass (including dew).
- Do not apply when daily high air temperatures are below 65°F or above 90°F.
- Do not apply to turfgrass or nutsedge under stress due to drought, temperature, disease, low fertility, heavy thatch, mechanical injury or other stresses. Turf must be well established and receive at least two mowings before application.
- Do not apply over-the-top to desirable flowers, ornamentals, vegetables, shrubs or trees.
- Allow 4 weeks between application and seeding or sodding of turfgrass.
- Do not apply more than 0.66 lb imazosulfuron per acre (0.015 lb ai per 1,000 sq ft) per application.
- Do not apply more than 28 oz (1.32 lb imazosulfuron) of *Celero* Herbicide per acre per year.
- Do not make more than 2 applications per year.

STORAGE AND DISPOSAL

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

STORAGE

Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not store or transport near feed or food. Do not store in or around the home. For help with any spill, leak, fire or exposure involving this material, call day or night **(800) 892-0099**.

PESTICIDE DISPOSAL

Waste resulting from the use of this product may be disposed of on site in accordance with the directions for use on the label or at an approved waste disposal facility.

SPECIMEN

CONTAINER HANDLING

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 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.

©2020 Valent U.S.A. LLC

Celero and *Products That Work, From People Who Care* are registered trademarks of Sumitomo Chemical Company, Limited

SPECIMEN

Manufactured for:
Valent U.S.A. LLC
P.O. Box 5075
San Ramon CA 94583
Made in U.S.A.
Form 1800-F
EPA Reg. No. 59639-155
EPA Est. 11773-IA-1Ⓦ, 39578-TX-1, 62171-MS-3Ⓟ
Superscript is first letter of lot number.
059639-00155.20190806.V10142.AMEND.SUL

Nufarm

Grow a better tomorrow.

Distributed by:
Nufarm Americas Inc.
11901 S. Austin Ave.
Alsip, IL 60803

Information contained in this booklet is accurate at the time of printing. Since product testing is a continuous process, please read and follow the directions on the product label for the most current directions and precautionary statements.

Always check with your state to verify state registration status or call 800-89-VALENT (898-2536).

SPECIMEN

For state registration and/or supplemental labels, please call or visit us online.

Products That Work, From People Who Care®
valentpro.com | 800-89-VALENT (898-2536)

Always read and follow label instructions.

©2020 Valent U.S.A. LLC. All rights reserved.
Printed in the U.S.A. Date 11/11/21

CHEM-STIK LpH™

Nonionic Spreader-Sticker and pH Buffer

PRINCIPAL FUNCTIONING AGENTS

Proprietary blend of alkylaryl polyoxyethanol glycol ether, alkyphenolic resin, alkyl polyoxyethanol phosphate ester, tricarboxylic acid, and other ingredients	33%
Inert ingredients	67%
TOTAL	100%

All ingredients are approved for use under 40 CFR 180

KEEP OUT OF REACH OF CHILDREN
WARNING



PRECAUTIONARY STATEMENTS
Causes skin irritation and serious eye irritation. If medical advice is needed, have product container or label at hand. Read label before use. Wash protective equipment and work clothes thoroughly after handling. Wear personal protective equipment. Specific treatment is given in the First Aid section on this label or on the SDS. Store locked up. Dispose of contents/container to disposal plant in accordance with federal, state and local regulations.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators or other handlers of this chemical must wear long-sleeved shirt, pants, shoes and socks, chemically impervious gloves, and splash-proof chemical safety goggles. Consult the SDS for further information.

FIRST AID

If Swallowed: Rinse mouth. 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.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

If On Skin: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention. Treat symptomatically. Take off contaminated clothing and wash it before reuse.

GENERAL INFORMATION
CHEM-STIK LpH is a unique nonionic spreader-sticker formulated to protect pesticides from premature chemical breakdown by buffering the spray solution to a slightly acidic pH of 5.0 to 6.0. Additionally, CHEM-STIK LpH enhances leaf surface coverage of spray solutions while providing wash-off protection from untimely rainfall. When used as directed, CHEM-STIK LpH will increase wetting, adhesion, and endurance of pesticide sprays on target leaf surfaces. This is especially beneficial during windy and rainy periods, as well as under other adverse weather conditions.

DIRECTIONS FOR USE
The addition of adjuvants to some pesticides and/or fertilizers and their tank mixes may cause phytotoxicity to the foliage and/or fruit of desirable crops. Before using CHEM-STIK LpH, the applicator or crops advisor must have experience with the pesticide combination, including CHEM-STIK LpH, or must have conducted a phytotoxicity test. Always follow pesticide label recommendations regarding adjuvants, in particular, spreader-stickers. In the absence of specific recommendations, follow the guidelines set forth below. **SHAKE WELL BEFORE USING.**

FOR USE WITH PESTICIDES REGISTERED FOR AGRICULTURAL, FORESTRY, INDUSTRIAL, MUNICIPAL, NON-CROPLAND, ORNAMENTALS, RIGHTS-OF-WAY, TURF AND OTHER APPROPRIATE USES.

USE RATES
As a general guide, use 16-48 ounces of CHEM-STIK LpH per 100 gallons of spray solution. Start with the 16 ounce use rate and using either a pH meter or pH paper, verify that the desired pH level has been achieved. If pH remains above the desired level, continue adding CHEM-STIK LpH in 8 ounce increments until the desired pH level has been reached.

MIXING
In the absence of specific mixing instructions found on the pesticide label, fill the spray tank with at least 50% of the desired finished carrier volume. When premixing in a mixing vessel or inductor, fill with at least 20% of the desired finished carrier volume. While the carrier is agitating, add tank mix ingredients in the following order:

1. Compatibility agent, if needed.
2. Dry formulations (WP, DF, WDG, SP) and dry drift retardants.
3. Liquid drift retardants and flowable formulations (F and FL).
4. Liquid concentrates, suspension and microencapsulated (LC, SC, ME).
5. Emulsifiable concentrates (E, EL or EC).
6. Solutions (S), micronutrients, liquid or suspension fertilizers.
7. Adjuvants (COC, HSOC, MSO, NIS) and/or water conditioning agents.
8. Finish filling to desired spray volume level and continue agitation.

STORAGE AND DISPOSAL
Protect product from freezing. If product freezes, warm to room temperature before use. Store in original container only and do not reuse empty container. Rinse container thoroughly and dispose of the container in accordance with local, state and federal regulations.

CONDITIONS OF SALE
Note: Read the information contained herein before buying or using this product. If the stated terms are not acceptable, return the product at once, unopened. It is critical that this product be used and mixed only as specified on this label. Neither the manufacturer nor the seller makes any representation or warranty, expressed or implied, with respect to the results from the use of this material. Buyer and user assume all risks of use and/or handling. Precision Laboratories, LLC warrants that this material is reasonably fit for use as specified on this label. No agent or representative is authorized to make any other representations concerning this material. Unforeseen factors beyond Precision's control prevent elimination of risks in connection with the use of its chemicals. Such risks include, but are not limited to, damage to plants and/or crops to which the material is applied, or lack of complete control and damage caused by drift to other plants or crops. Such risks may occur even though the product is reasonably fit for use as stated herein and even though label directions are followed. Follow directions carefully. Timing, mixture, method of application, weather and other conditions are influencing factors in the use of this product and are beyond the control of the seller. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the company or any other seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.

S P E C I M E N L A B E L

Chem-Stik LpH is a trademark of Precision Laboratories, LLC
© PRECISION LABORATORIES, LLC, Waukegan, IL 60085 USA
For 24-hour technical assistance when using this product in the USA and Canada, call: 1-800-323-8351
For 24-hour emergency service when using this product in the USA and Canada, call CHEMTREC: 1-800-424-9300
1/15

1429 S. Shields Dr., Waukegan, IL 60085
Phone: (847) 596-3001 Fax: (847) 596-3017
Customer Service: (800) 323-6280
E-Mail: info@precisonlab.com
Web Site: www.precisionlab.com

PICARBUTRAZOX | GROUP U17 FUNGICIDE

SERATA®

Fungicide

Intended for Commercial Use Only on turf in golf courses (greens, tees, fairways, roughs, naturalized areas), in lawns and landscape areas around residential, public, industrial, and commercial properties, sports fields, cemeteries, recreational areas, and parks, turf seed farms, and in commercial sod farms.

EPA Reg. No. 8033-138-101563 **EPA Est._____**

Active Ingredient:	**% BY WT.**
Picarbutrazox	20.28%
Other Ingredients:	79.72%
TOTAL:	100.00%

D00001563
22059100B 220222AV1
Net Contents:
2 lb 3 oz (35 oz)

envu™

G EPA Est. 67545-AZ-1 **M EPA Est. 279-NY-1**
C EPA Est. 70815-GA-001 **CX EPA Est. 70815-GA-003**
EPA Establishment Numbers (The letter before each Establishment Number above corresponds to the first letter in the lot number on the container label.)

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.)

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

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.
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 ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.

For MEDICAL EMERGENCIES call CHEMTREC at 1-800-424-9300.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS and DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Harmful if 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. Wear long-sleeved shirt and long pants, socks, shoes and waterproof gloves. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear long-sleeved shirts, long pants, socks, shoes, and waterproof gloves.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, 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 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, 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 due to runoff of rainwater. 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 for several months or more after application.

When used on turf seed farms and commercial sod farms 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 to occur within 48 hours.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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.

In New York State use of this product is limited to use on golf course turfgrass.

AGRICULTURAL USE REQUIREMENTS

Use this product only 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 4 hours.

Early Entry PPE:
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 and waterproof gloves.

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 areas until sprays have dried.

COMPATIBILITY

SERATA® fungicide, when diluted with an equal volume of water, is physically compatible with a wide range of commonly used spray products, but the full range of compatibilities under local conditions is not known. Therefore, it is essential that before using SERATA fungicide in any tank mixture the compatibility of the mixture be established. Add a small amount of this product to an equal volume of water in a small container and then add the other pesticide or spray product and mix thoroughly. **DO NOT** use mixtures that curdle, precipitate, or grease. For best results, spray mixtures should be used immediately after mixing with adequate agitation.

Special Instructions for Tank Mixing SERATA fungicide

When tank mixing SERATA fungicide with other products, introduce the products into the tank in the following order: (1) water soluble packets, (2) wettable powders, (3) water dispersible granules (such as SERATA fungicide), (4) flowable liquids, (5) emulsifiable concentrates, and (6) adjuvants. Always allow each product to fully disperse before adding the next product.

The use of adjuvants or additives may enhance the fungicide performance of SERATA fungicide under some conditions. Local environmental conditions may affect turf tolerance. Since all possible tank mix combinations have not been examined, test the combination on a small section of the turf to be sprayed to ensure that injury will not occur as a result of application. Consult a Environmetal Sciences U.S., LLC company representative, local turf authorities, or local extension service for more information and recommendations on adjuvants 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 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.

DIRECTIONS FOR AERIAL OR GROUND SPRAY APPLICATION

SERATA fungicide is a 20% water dispersible granule for the control of *Pythium* diseases in turf. Thorough spray coverage is essential for optimal performance. Use adequate spray volume of 1 to 4 gallons per 1000 square feet to ensure complete coverage of foliage.

Users must read, understand, and follow the label use rates and restrictions. For application, determine the number of acres to be treated, the specified label use rate, and the spray volume per acre. Prepare only the amount of spray solution that is necessary to spray the measured acres. Calibrate spray equipment prior to use.

Ground Application: For optimal disease control, use thorough spray coverage. Good spray coverage is a function of spray pressure, spray volume per acre, nozzle type and spacing and application equipment speed. Calibrate spray equipment prior to use. Apply in a minimum of 1 gallon per 1,000 square feet.

Aerial Application: Apply in a minimum of 1 gallon per acre. **DO NOT** apply under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.

SPRAY DRIFT MANAGEMENT

Aerial Applications

- **DO NOT** release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium droplet size (ASABE S572.1)
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Ground Applications

- Apply with the nozzle height specified by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 10 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 specified 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 specifications for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.
- 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.
- RELEASE HEIGHT - Aircraft
  Higher release heights increase the potential for spray drift. When applying aerially to crops, **DO NOT** release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.
- 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.

DIRECTIONS FOR CHEMIGATION

Apply this product only through overhead sprinkler irrigation systems including center pivot, lateral move, side (wheel) roll, solid set, or hand move irrigation systems. **DO NOT** apply this product through any other type of irrigation system. Crop injury or lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, must shut the system down and make necessary adjustments should the need arise.

The overhead sprinkler chemigation 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 for materials that are compatible with pesticides and capable of being fitted with a system interlock.

DO NOT connect an irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. 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, back flow preventer (RPZ) of 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 must be discharged into a reservoir tank prior to pesticide introduction. There must be a complete physical break (air gap) between the flow 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 toward the injection. 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. 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 (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.

Application Instructions

Observe the requirements in the System Requirements section above. Apply SERATA fungicide only through systems containing anti-siphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to insure simultaneous shut-off. Maintain a gentle continuous agitation in mix tank during mixing and 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. Application of more than specified quantities of irrigation water per acre may result in decreased product performance. **DO NOT** apply when wind speed favors drift, when system connections or fittings leak, when nozzles provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot/injection unit to prevent spray being applied to this area. Use of end guns which deliver uneven distribution of water is not advised. Where sprinkler distribution patterns

do not overlap sufficiently, unacceptable disease control may result. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. SERATA fungicide may be applied in conjunction with chemically-neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance and must be avoided.

Spray Preparation

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water. Prepare a solution of SERATA fungicide in a mix tank. Fill the tank with ½ or ¾ the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of SERATA fungicide and then the remaining volume of water.

Sprinkler Irrigation

Observe all System Requirements and Application Instructions above. Set sprinkler system to deliver a maximum of 0.2 inch of water per acre (0.005 inch of water per 1000 square feet). Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the solution of SERATA fungicide into the irrigation water line so as to deliver the desired rate per acre. The solution of SERATA fungicide must be injected with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. Adequate coverage on the foliage is necessary for optimum activity. **DO NOT** apply when wind speed favors drift beyond the area intended for treatment. Where sprinkler-distributed patterns do not overlap sufficiently, unacceptable disease control may result.]

MIXING INSTRUCTIONS

Mixing and Application Instructions for SERATA fungicide

SERATA fungicide is a water dispersible granule formulation that readily disperses in water to form a spray,

1. Plan ahead. Prepare only enough spray mixture as can be applied on the day of mixing.
2. Fill tank ¼ - ½ full with the required amount of total spray volume of water.
3. Begin agitation and add product.
4. Continue to fill tank while directing a stream of water onto any floating product.
5. Allow mixing in tank for 2 minutes after filling or until thoroughly mixed before applying.
6. Maintain continuous agitation during mixing and application to assure uniform suspension. If mixture sits without agitation for extended periods, agitate the mixture for several minutes before use.

7. Equip spray system with a 50-mesh inline filter, which will protect nozzles that are typically used. Nozzles may also be equipped with 50-mesh nozzle filters or 25 to 50 mesh (equivalent) slotted nozzle filters.
8. SERATA fungicide is unstable in water pH below 4 and above 9. If necessary, buffer water to obtain optimum pH range.

APPLICATION INSTRUCTIONS

Apply a minimum finished spray volume of 1 gallon per acre by air or 1 to 4 gallons per 1000 square feet by ground unless otherwise indicated in specific directions for use. For best results, it is important to obtain thorough and uniform spray coverage of the plant. For aerial and ground application, select nozzles and pressure that deliver **MEDIUM** spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572.

To clean the sprayer after use, drain and flush with water. Use rinsate on turf according to label instructions or dispose of in an approved manner (See STORAGE AND DISPOSAL).

INTEGRATED PEST MANAGEMENT (IPM) USE OF THIS PRODUCT

RESISTANCE MANAGEMENT

For resistance management, SERATA fungicide contains a Group U17 fungicide. Any fungal population may contain individuals naturally resistant to SERATA fungicide and other Group U17 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 must be followed.

To delay fungicide resistance, consider:

1) Avoiding the consecutive use of SERATA fungicide or other Group U17 fungicides that have a similar target site of action on the same pathogens.
2) Using tank-mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or premix rate on the pathogen(s) of concern.
3) Basing fungicide use on a comprehensive IPM program.
4) Monitoring treated fungal populations for loss of field efficacy.
5) Contacting your local extension specialist, certified crop advisor, and/or the manufacturer for fungicide resistance management and/or IPM information for specific crops and resistant pathogens.

TURF

Site	Disease Controlled	Ounces of SERATA Fungicide per 1,000 sq ft	Ounces of SERATA Fungicide per acre	Pounds Active Ingredient per acre	APPLICATION INSTRUCTIONS
Turf; (including golf courses (greens, tees, fairways, roughs, naturalized areas), sports fields, residential and commercial lawns, sod farms, turf seed farms, cemeteries, recreational areas, and parks)	Pythium Foliar Blight	0.6 – 0.8 ounces	26.1 – 34.8 ounces	0.33 – 0.44 lbs ai	Apply as a preventative treatment during periods of high temperature and humidity favorable to the development of Pythium blight. During periods of prolonged favorable conditions for disease development, reapply on a 14 to 21-day interval. Use the lower rate for the shorter interval and the higher rate for the longer interval within the application rate range. Apply in 1 to 4 gallons of water per 1,000 sq. ft. with ground equipment.
	Pythium Damping-Off	0.6 – 0.8 ounces	26.1 – 34.8 ounces	0.33 – 0.44 lbs ai	For newly seeded areas, apply immediately after seeding. Apply in 1 to 4 gallons of water per 1,000 sq. ft. with ground equipment. Immediately follow application with 1/8 inch of irrigation.

(continued)

TURF

Site	Disease Controlled	Ounces of SERATA Fungicide per 1,000 sq ft	Ounces of SERATA Fungicide per acre	Pounds Active Ingredient per acre	APPLICATION INSTRUCTIONS
Turf; (including golf courses (greens, tees, fairways, roughs, naturalized areas), sports fields, residential and commercial lawns, sod farms, turf seed farms, cemeteries, recreational areas, and parks)	Pythium Root Dysfunction	0.6 – 0.8 ounces	26.1 – 34.8 ounces	0.33 – 0.44 lbs ai	Apply as a preventative treatment on a 21- to 28-day schedule during the fall and spring seasons when average daily soil temperatures range between 50°F and 75°F. Apply in 2 to 4 gallons of water per 1,000 sq. ft. with ground equipment. Immediately follow application with 1/8 inch of irrigation.
	Pythium Root Rot	0.6 – 0.8 ounces	26.1 – 34.8 ounces	0.33 – 0.44 lbs ai	Apply as a preventative treatment on a 14-day schedule when environmental conditions favor disease development. Apply in 2 to 4 gallons of water per 1,000 sq. ft. with ground equipment. Immediately follow application with 1/8 inch of irrigation.

RESTRICTIONS:

- The maximum amount of SERATA fungicide that can be applied annually is 2.4 ounces (0.03 lbs. a.i.) per 1,000 square feet of turfgrass.
- At the lower rate of 0.6 oz. (0.0076 lbs. a.i.) per application, a maximum number of 4 applications can be made per year.
- At the higher rate of 0.8 oz. (0.01 lbs. a.i.) per application, a maximum number of 3 applications can be made per year. The maximum single application rate is 0.8 oz. (0.01 lbs. a.i.).
- The minimum retreatment interval is 14 days.
- Applications by homeowners to residential turf is prohibited.
- In New York State use of this product is limited to use on golf course turfgrass.

Aerial Application for Sod Farms and Turf Seed Farms

Site	Disease Controlled	Rate Per Acre		Application Instructions
		Ounces of SERATA Fungicide	Pounds Active Ingredient	
Turf: sod farms, turf seed farms (Not for use in New York State.)	Pythium foliar blight	26.1 – 34.8 ounces	0.33 – 0.44 lbs a.i.	Apply in 1 to 4 gallons of water per acre aerially. Apply as a preventative treatment during periods of high temperature and humidity favorable to the development of Pythium blight. During periods of prolonged favorable conditions for disease development, reapply on a 14 to 21-day interval. Use the lower rate for the shorter interval and the higher rate for the longer interval within the application rate range.

(continued)

Aerial Application for Sod Farms and Turf Seed Farms

Site	Disease Controlled	Rate Per Acre		Application Instructions
		Ounces of SERATA Fungicide	Pounds Active Ingredient	
Turf: sod farms, turf seed farms (Not for use in New York State.)	Pythium damping-off	26.1 – 34.8 ounces	0.33 – 0.44 lbs a.i.	Apply in 1 to 4 gallons of water per acre aerially. For newly seeded areas, apply immediately after seeding. Immediately follow application with 1/8 inch of irrigation.
	Pythium root dysfunction	26.1 – 34.8 ounces	0.33 – 0.44 lbs a.i.	Apply in 1 to 4 gallons of water per acre aerially. Apply as a preventative treatment on a 21- to 28-day schedule during the fall and spring seasons when average daily soil temperatures range between 50°F and 75°F. Immediately follow application with 1/8 inch of irrigation.
	Pythium Root Rot	26.1 – 34.8 ounces	0.33 – 0.44 lbs a.i.	Apply as a preventative treatment on a 14-day schedule when environmental conditions favor disease development. Apply in 1 to 4 gallons of water per acre aerially.

RESTRICTIONS:

- The maximum amount of SERATA fungicide that can be applied annually is 104.4 ounces (1.32 lbs. a.i.) per acre of turfgrass.
- At the lower rate of 26.1 ounces (0.331 lbs. a.i.) per application, a maximum number of 4 applications can be made per year.
- At the higher rate of 34.8 ounces (0.441 lbs. a.i.) per application, a maximum of 3 applications can be made per year.
- The maximum single application rate is 34.8 ounces (0.441 lbs. a.i.).
- The minimum retreatment interval is 14 days.
- **DO NOT** apply by air in turf uses other than sod farms and turf seed farms.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store unused product in original container only, out of reach of children and animals.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of onsite or at an approved waste disposal facility.

CONTAINER DISPOSAL:

Non-refillable container (5 gallons or less). Non-refillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents in 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 dispose of in trash or in a sanitary landfill or by incineration.

Non-refillable container (greater than five gallons). Non-refillable 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. 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. Offer for recycling if available or dispose of in trash or in a sanitary landfill or by incineration.

Conditions of Sale and Limitation of Warranty and Liability

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, resistant strains or other influencing factors in the use of the product, which are beyond the control of Environmental Science U.S., LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Environmental Science U.S., LLC and Seller harmless for any claims relating to such factors.

To the extent allowed by applicable laws, Environmental Science U.S., LLC 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. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Environmental Science U.S., LLC, and Buyer and User assume the risk of any such use. TO THE EXTENT ALLOWABLE BY APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent allowed by applicable laws, in no event shall Environmental Science U.S., LLC or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT ALLOWABLE BY APPLICABLE LAW THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ENVIRONMENTAL SCIENCE U.S., LLC 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 ENVIRONMENTAL SCIENCE U.S., LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

Environmental Science U.S., LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Environmental Science U.S., LLC.

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

SERATA®

Fungicide

Intended for Commercial Use Only on turf in golf courses (greens, tees, fairways, roughs, naturalized areas), in lawns and landscape areas around residential, public, industrial, and commercial properties, sports fields, cemeteries, recreational areas, and parks, turf seed farms, and in commercial sod farms.

EPA Reg. No. 8033-138-101563 **EPA Est._____**

Active Ingredient:	**% BY WT.**
Picarbutrazox	20.28%
Other Ingredients:	79.72%
TOTAL:	100.00%

D00001563
22059100B 220222AV1
Net Contents:
2 lb 3 oz (35 oz)

envu

8 10112 10043 3

PICARBUTRAZOX | GROUP U17 FUNGICIDE

G EPA Est. 67545-AZ-1 **M EPA Est. 279-NY-1**
C EPA Est. 70815-GA-001 **CX EPA Est. 70815-GA-003**
EPA Establishment Numbers (The letter before each Establishment Number above corresponds to the first letter in the lot number on the container label.)

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.)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS and DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. Harmful if 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. Wear long-sleeved shirt and long pants, socks, shoes and waterproof gloves. Remove and wash contaminated clothing before reuse.

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

PEEL HERE TO OPEN

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.
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.

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.

Envu and the Envu logo are trademarks and Interface®, Mirage®, Tartan®, Stressgard® and Signature™ are trademarks owned by Environmental Science U.S., LLC or one of its affiliates.
Daconil Action®, and Daconil Ultrex® are registered trademarks of GB Biosciences Corporation.
Fore® and Rainshield® are trademarks of Dow Agrosciences LLC.

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.

Envu and the Envu logo are trademarks and Stressgard® and Signature™ are trademarks owned by Environmental Science U.S., LLC or one of its affiliates.

(01)00810112100093O

85355422
85431722B 221216AV1

Net Contents:
5.5 Pounds

envu™

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

HYDRATION

DISPATCH®
SPRAYABLE

- CONTROL YOUR WATER, CONTROL YOUR RESULTS
- PATENTED WATER SAVING SOIL SURFACTANT
- IMPROVES INFILTRATION & PENETRATION OF IRRIGATION WATER & RAINFALL



DANGER
Causes serious eye damage.

KEEP OUT OF REACH OF CHILDREN

Read entire label for additional precautionary statements.
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY.

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

CONTAINS BENEFICIAL SUBSTANCES:

Soil Amending Guaranteed Analysis:

Active Ingredient	30.0%	Alkoxylated polyols
	21.0%	Glucoethers
Inert Ingredient:	49.0%	Water

NOT RECOMMENDED FOR USE AS A FERTILIZER SUBSTITUTE

NOT A PLANT FOOD INGREDIENT.

US Patent No. 6,460,290; 6,851,219
European Patent No. 0968155; 1442097
Canadian Patent No. 2,463,525

NET CONTENTS: 2.5 GALLONS (9.5 L)

Net Weight: 22.28 lb (10.10 Kg)
Density at 68°F = 8.913 lb/gal

The Aquatrols® Company

Lot #

PAL01325F 09/11/25

DISPATCH® SPRAYABLE

Dispatch® Sprayable improves the infiltration and penetration of applied water and can be used on all fine turf.

General Use Guidelines

INITIAL APPLICATION:	**IMPORTANT:** Begin applications at least one month prior to the onset of stress conditions. Under high stress situations, such as presence of localized dry spot (LDS), above average growing degree day (GDD), and/or low rainfall, an application of **Aqueduct®** should be conventionally applied to problem areas 7 days prior to the first application of Dispatch Sprayable.

Directions for Use

WHAT IT DOES:	Dispatch Sprayable improves the infiltration and penetration of applied irrigation water and rainfall.
WHERE TO USE:	Dispatch Sprayable is recommended for use on turfgrasses such as those found on golf courses, athletic fields, residential and commercial turf areas.

APPLICATION RATES AND FREQUENCY OPTIONS*:

Interval	Rate oz/A	Rate L/Ha
2 weeks	16 oz	1.17L
3 weeks	24 oz	1.75L
4 weeks	32 oz	2.34L

Variables which impact performance and program application can be: soil type, turf type, presence of LDS (localized dry spot), quality of irrigation water, growing degree days (GDD), and rainfall intervals.

*Recommendations assume ***season long*** program applications.

Dispatch Sprayable does not need to be watered in following application. Irrigate before next mowing or leave baskets off. Dispatch Sprayable is formulated to be applied by conventional spray rig equipment. For injection through irrigation systems, use **Dispatch Injectable**.

TANK MIXING:	For improved delivery of some fertilizers, apply 16 ounces per acre (1.16 liters per hectare). Dispatch Sprayable is compatible with most turf chemicals. Prior to application, a jar test should be performed to evaluate the tank mix for compatibility and applied to a small area to determine the effect on turf quality.

8 10950 02031 3

The Aquatrols® Company

Aquatrols Corporation of America
DBA The Aquatrols Company
1273 Imperial Way
Paulsboro, NJ 08066 USA
1-800-257-7797 | aquatrolscompany.com

PAL01325B 09/12/25

Precautionary Statements/First Aid Measures in Case of Contact

Precautionary statements

- Wear eye protection/ face protection.
- **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.
- Avoid breathing vapors or mists.
- Avoid using product in a manner as to directly, or through drift, expose workers or other persons.
- Always consult the safety data sheet for specific instructions.
- Applicators and other handlers must wear goggles or a facial splash shield; chemical resistant gloves, such as nitrile rubber ≥ 14 mils or neoprene rubber ≥ 14 mils; coveralls or long sleeved shirt and trousers; shoes plus socks.
- Keep out of reach of children.

First aid measures in case of contact

- **Eye:** Do not rub eyes. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.
- **Skin:** Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention as needed.

Precautionary Statements/First Aid Measures in Case of Contact *(continued)*

- **Ingestion:** Give large amounts of water to drink. Seek medical attention if necessary. Induce vomiting only upon advice from a physician.
- **Inhalation:** Move individual to fresh air and check to ensure adequate respiration. Seek medical attention if necessary.

Applicators and other handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove protective clothing and equipment after handling. Wash the outside of gloves before removing. Wash thoroughly and change into clean clothing.

For technical information and Safety Data Sheet (SDS), contact Aquatrols at 1-800-257-7797 or visit our website at www.aquatrols.com.

For more detailed information call 1-800-257-7797.

Storage and Disposal

- Keep container tightly closed. Store in original container only. Keep in a secure and locked storage area. Do not add water to the contents of this container.
- Triple rinse container and empty rinse water into spray or stock tank. Dispose of empty containers in accordance with federal, state and local law.

Condition of Sale
Limited Warranty and Limitations of Liability and Remedies

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If the terms are not acceptable, do not use the product and instead, return the unopened product container immediately. By using this product, you accept the following Conditions, Disclaimer of Warranties and Limitation of Liability.

For technical information, contact Aquatrols Corporation at 800-257-7797. Information regarding the contents and levels of metals in this product is available on the internet at www.aapfco.org/metals.html

CONDITIONS: The directions for use on this label are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Insufficient performance or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions or good application practices, all of which are beyond the control of Aquatrols Corporation. In addition, failure to follow label directions may cause poor performance, injury to crop, animals, human, or the environment. You assumed all such risks by using this product.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AQUATROLS CORPORATION MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT, INCLUDING NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL AND NO SUCH WARRANTY SHALL BE IMPLIED BY LAW. No agent of Aquatrols Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Aquatrols Corporation disclaims and any and all claims are waived any liability whatsoever for special, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profit or income, resulting from the use or handling of this product.

LIMITATION OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, the remedy for any losses or cause of action relating to injuries, damages or the handling or use of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or, at Aquatrols Corporation's election, the replacement of the product. Aquatrols shall not be liable and any and all claims against Aquatrols are waived for special, indirect, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profit or income.

CHLORANTRANILIPROLE	GROUP	28	INSECTICIDE

DURENTIS™

INSECTICIDE

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

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

Active Ingredient:	**By Wt.**
Chlorantraniliprole* (3-Bromo-N-[4-chloro-2-methyl-6-[(methylamino) carbonyl]phenyl]-1-(3-chloro-2-pyridinyl) -1H-pyrazole-5-carboxamide) ……....	47.85%
Other Ingredients: ……....	52.15%
Total: ……....	100.0%

*CAS No 500008-45-7. Contains 5.00 lb of chlorantraniliprole per gallon of product.

DURENTIS™ insecticide is a suspension concentrate that is in the anthranilic diamide chemical class.

EPA Reg. No. 279-9674 **EPA Est. No. 279-NY-1**

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.)

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.

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104

Nonrefillable Container
Net Contents: 64 Fl. oz.

FMC, the FMC Logo, and DURENTIS™ are trademarks of FMC Corporation and/or an affiliate.
© 2023 FMC Corporation. All rights reserved.

GSS-SL-1092 010824 01-05-24

PEEL BACK BOOK HERE

FIRST AID

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 medical treatment information.

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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

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

User Safety Requirements

After the product has been diluted in accordance with label direction for use, shirt, pants, socks, and shoes are sufficient Personal Protection 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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.

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 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 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.

Groundwater 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.

DIRECTIONS FOR USE

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

DURENTIS™ insecticide must be used only in accordance with the directions on this label, or as otherwise permitted by FIFRA. Always read the entire label, including the Limitation of Warranty and Liability.

Notify state and/or Federal authorities and FMC 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 AND POOR INSECT 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 (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 this label about personal protective equipment (PPE), restricted-entry interval, notification to workers (as applicable). The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

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.

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

Exceptions:
- The Worker Protection Standard does not apply when any pesticide is applied on an agricultural establishment or involving the production of plants that are in ornamental gardens, parks, golf courses and public or private lawns and grounds, and that are intended only for aesthetic purposes or climatic modification.
- 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.

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
- 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. WPS applicable uses include:
- Commercial or research nurseries or greenhouses.
- Turf being grown for sale or other commercial use as sod, or for commercials seed production, or for research purposes.

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

Re-entry Statement: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried.

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

To delay insecticide resistance, take the following steps:
- Rotate the use of DURENTIS™ insecticide or other Group 28 insecticides within a growing season, or among growing seasons with different insecticide 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 use that includes scouting, uses historical information related to pesticide use, 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 pest control advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific types of turf and weed biotypes.

For further information or to report suspected resistance, contact your FMC Corporation at 800-321-1FMC (1362).

INTEGRATED PEST MANAGEMENT

FMC supports the use of Integrated Pest Management (IPM) programs to control pests. This product may be used as part of an IPM program, which can include biological, cultural, and genetic practices, aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, rotation of insecticides with different modes-of-action and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

GENERAL INFORMATION

DURENTIS™ insecticide is a suspension concentrate that contains 5.00 lb of chlorantraniliprole per gallon of product.

DURENTIS™ insecticide is a member of the anthranilic diamide class of insecticides with a mode of action acting on insect ryanodine receptors. DURENTIS™ insecticide is effective through ingestion of treated plant material. After exposure to DURENTIS™ insecticide affected insects will rapidly stop feeding, become paralyzed, and typically die within 1 - 3 days. Time applications to the most susceptible insect pest stage, typically at egg lay, egg hatch and/or newly hatched larvae, before populations reach damaging levels. When pest populations are high, use the highest listed application rate for that pest.

This product will control the following listed pests. Specific information on how to control these pests can be found in the use specific sections of this label.

Annual Bluegrass Weevil (*Hyperodes*) Aphids Armyworms Bagworms Billbugs Birch leafminer Chinch Bugs* Clearwing moth borer larvae Cutworms European Crane Fly (larvae) Lace bugs Leaf feeding caterpillars Spittlebugs (two-lined) Sod Webworm	White Grubs including • Asian Garden Beetle • Black Turfgrass Ataenius (Adult) • Japanese Beetle • European Masked Chafer • Northern Masked Chafer • Southern Masked Chafer • Oriental Beetle • Green June Beetle • May/ June Beetle
***Suppression only**	

USE RESTRICTIONS

- **DO NOT** let people and pets enter the treated area until treatment has dried.
- **DO NOT** use for commercial grass seed production.
- **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 12.8 fl oz DURENTIS™ insecticide (equivalent to 0.5 lb of any chlorantraniliprole-containing products) per acre per calendar year to plants produced or grown outdoors.
- **DO NOT** apply more than 12.8 fl oz of this product (equivalent to 0.5 lb of any chlorantraniliprole-containing products) per acre per crop to plants produced or grown indoors and outdoors in containers.
- **DO NOT** formulate this product into other end-use products without the written permission of FMC.
- **DO NOT** use household utensils to measure DURENTIS™ insecticide.

APPLICATION DIRECTIONS

Methods of Application

- Apply DURENTIS™ insecticide to foliage or to the soil by ground equipment only.
- Foliar applications offer locally systemic activity against listed pests and can be made with the following ground equipment: boom sprayers, 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. To be effective, apply DURENTIS™ insecticide where the root system of the target plant can readily absorb the active ingredient.
- DURENTIS™ insecticide is a systemic insecticide and is most effective when it is applied so that the roots are at, or near, the site of application.
- Maintaining adequate soil moisture will ensure that DURENTIS™ insecticide is available for plant root uptake and translocation for improved efficacy against listed pests.

Use of Adjuvants

An adjuvant may be used with DURENTIS™ insecticide unless otherwise specified in the use directions. DURENTIS™ insecticide is compatible with most products, however not all have been tested. Use the compatibility jar test to ensure physical compatibility.

Spray Tank Preparation

It is important that spray equipment is clean and free of existing pesticide deposits before using this product. Follow the spray tank clean out procedures specified on the label of product previously applied before adding DURENTIS™ insecticide to the tank.

Use DURENTIS™ insecticide spray mixture immediately after mixing. Do not store the mixture.

DURENTIS™ Insecticide Alone

This product must be diluted with water before application. Fill spray tank 1/4 to 1/2 full of water. Add DURENTIS™ insecticide directly to spray tank. Mix thoroughly to fully disperse the insecticide, once dispersed continued agitation is required. Use mechanical or hydraulic means; do not use air agitation.

DURENTIS™ Insecticide Alone + Tank-Mix Partners

This product can be mixed with pesticide products that are labeled for use on the same crops as DURENTIS™ insecticide. Do not exceed labeled dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

DURENTIS™ insecticide may be mixed with certain liquid fertilizers for at-plant soil applications. Do not mix DURENTIS™ insecticide directly with pure liquid fertilizers.

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. Before using a tank mix for the first time, always determine the compatibility of DURENTIS™ insecticide with the tank mixtures by using a jar test.

DURENTIS™ insecticide is a water-soluble liquid formulation and has been found to be compatible with most herbicides, fungicides, insecticides and growth regulators commonly used in turf and ornamental plant management. However, the physical compatibility of DURENTIS™ insecticide with tank-mix partners should be tested before use. To determine the physical compatibility of DURENTIS™ insecticide with other product, use a jar test, as described below.

> Jar Test Procedure: Using a quart jar, add the proportionate amount of the products to ½ quart of water. Add wettable powders and water dispersible granular product first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, add the remaining ½ quart of water, shake and let stand for at least 5 minutes. If the combination remains mixed or can be remixed easily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients into the spray tank.

Provided the jar test indicates the mixture to be compatible, prepare the tank mixture as follows: Fill the tank 1/4 full with water. With the agitator operating, add the amount of ingredients using the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product before adding the next product.

1. Water soluble bag (WSB)
2. Water soluble granules (SG)
3. Water dispersible granules (WG, XP, DF)
4. Wettable powders (WP)
5. DURENTIS™ insecticide and other water-based suspension concentrates (SC)
6. Water soluble concentrates (SL)
7. Suspoemulsions (SE)
8. Oil based suspension concentrates (OD)
9. Emulsifiable concentrates (EC)
10. Surfactants, oils, adjuvants
11. Soluble fertilizers
12. Drift retardants

Read and observe mixing instructions of all tank mix partners. Also read each product label for Directions for Use, Precautionary Statements and Restrictions and Limitations. The most restrictive labeling applies in all tank mixtures. No label dosage rate should be exceeded. Tank mixture recommendations are for use only in states where the companion products and application site are registered. In addition, certain states or geographical regions may have established dosage rate limitations. Consult your state Pesticide Control Agency for additional information regarding the maximum use rates.

Sprayer Equipment Clean-Out

Immediately after spraying DURENTIS™ insecticide and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned using the following procedure:

1. Drain sprayer tank, hoses, and spray boom and thoroughly rinse the inside of the sprayer tank with clean water to remove sediment and residues. In addition, thoroughly flush sprayer hoses, boom, and nozzles with clean water.
2. Fill the tank 1/2 full with clean water, and add appropriate detergent or ammonia (follow manufacturer's directions for use). Fill the tank to capacity and operate the sprayer for 15 minutes to flush hoses, boom, and nozzles.
3. Drain the sprayer system. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray tips and screens separately.
4. Properly dispose of all cleaning solution and rinsate in accordance with Federal, State and local regulations and guidelines.

DO NOT drain or flush equipment on or near wells, water sources or flush equipment on or near desirable trees or plants.
DO NOT contaminate any body of water including irrigation water that may be used on other plants.

SPECIFIC USE DIRECTIONS

Non-Agricultural Uses: Golf courses, sports and recreation turf, lawns and landscaped areas on and around residential, commercial and institutional properties and interior plantscapes

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

USE RESTRICTIONS

- **DO NOT** let people and pets enter the treated area until treatment has dried.
- **DO NOT** use for commercial grass seed production.
- **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 12.8 fl oz DURENTIS™ insecticide (equivalent to 0.5 lb of any chlorantraniliprole-containing products) per acre per calendar year to plants produced or grown outdoors.
- **DO NOT** apply more than 12.8 fl oz of this product (equivalent to 0.5 lb of any chlorantraniliprole-containing products) per acre per crop to plants produced or grown indoors and outdoors in containers.

The following restrictions are required to permit use of this product 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).

TURFGRASS

Use Sites: Residential, institutional, public, commercial, and industrial buildings, golf courses, parks, and recreational areas and athletic fields.

Use Rate Conversion

fl oz (mL) product/ 1000 sq ft	lb total ai/acre	fl oz (mL) product/acre
0.016 fl oz (0.5 mL)	0.026	0.68 fl oz (20 mL)
0.031 fl oz (0.9 mL)	0.052	1.33 fl oz (39 mL)
0.062 fl oz (1.8 mL)	0.104	2.68 fl oz (79 mL)
0.093 fl oz (2.8 mL)	0.158	4.06 fl oz (120 mL)
0.123 fl oz (3.6 mL)	0.209	5.37 fl oz (159 mL)
0.153 fl oz (4.5 mL)	0.260	6.68 fl oz (198 mL)
0.29 fl oz (8.57 mL)	0.500	12.8 fl oz (379 mL)

Target Pest	Product Application Rate			Application Instructions
	Fl oz product / 1000 sq ft	lb ai/acre	fl oz (mL) product/ acre	
Annual bluegrass weevil (*Hyperodes*)	0.093 – 0.153	0.158 – 0.260	4.06 – 6.68	Applications should be made in 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. Higher rates may be required for later applications. Applications made at this time will also provide preventative white grub control.
Armyworms Cutworms Sod Webworm	0.016 – 0.031	0.026 - 0.052	0.68-1.33	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 the higher of the listed application rates 0.031 fl oz per 1000 sq. ft. (1.33 fl oz per acre) may be required during periods of high pest pressure.
Billbugs	0.062 – 0.153	0.104 – 0.260	2.68 – 6.68	Apply when overwintered 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 preventative control of white grubs.
Chinch bugs (Suppression only)	0.062 – 0.153	0.104 – 0.260	2.68 – 6.68	Chinch Bugs can be one of the most difficult pests to control in grasses – apply before eggs hatch.
European crane fly (larvae)	0.062 – 0.123	0.104 – 0.209	2.68 – 5.3	Apply between September and November. The higher rate listed may be required to achieve control when applications are made in November.
Spittlebugs (two lined)	0.093 – 0.153	0.158 – 0.260	4.06 – 6.68	Apply in spring or summer.

Target Pest	Product Application Rate			Application Instruction
	Fl oz product / 1000 sq ft	lb ai/acre	fl oz product / acre	
White Grubs including: • Asian garden beetle • Black Turfgrass Ataenius • Japanese Beetle • European Masked Chafer • Northern Masked Chafer • Southern Masked Chafer • Oriental Beetle • Green June Beetle • May/ June Beetle	0.062 – 0.123	0.104 – 0.209	2.68 – 5.37	Irrigation of at least 0.1-0.2” is recommended to help move the active ingredient into the soil. Best results will be achieved from preventative applications made just prior to peak activity when grubs are nearest the soil surface. Treatment should be applied in April through early September, with suggested application before June. The higher rate listed may be required in late August or early September when less-sensitive mid-instar grubs are present at the time of application. Exact application timing should be confirmed by the local Agricultural Extension Service in your geographic area. Confirmation of the need for treatment may be based on historical records of the site, current adult trap counts or scouting, or other applicable methods.

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - o **Do not** apply more than 6.68 fl oz of product per acre (0.26 lb ai per acre).
- **Maximum Annual Application Rate:**
  - o **Do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do not** apply more than once per 7 days.
- **Do not** enter or allow others to enter treated areas until spray has dried.

FOLIAR APPLICATIONS

Use Sites: Ornamentals in outdoor landscapes and interiorscapes. Applications can be made to plants growing in containers, benches, flats, plugs and beds in shadehouses, outdoor nurseries, field plantings, retails nurseries, interiorscapes, residential, public and commercial landscape areas.

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

^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.

Use Rate Conversion

fl oz (mL) product/ 100 gallons	lb ai/ 100 gallons
0.7 fl oz (21 mL)	0.026
5.3 fl oz (157 mL)	0.208
12.8 fl oz (377 mL)	0.50

Target Pests	Product Dilution		Application Timing	Application Instructions
	fl oz product/ 100 gallons	lb ai/ 100 gallons		
Leaf-feeding caterpillars, such as bagworms and tussock moth caterpillars, including whitemarked tussock moth	0.7 - 5.3	0.026 - 0.208	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	For maximum control, apply at the highest rate listed. Apply in a minimum spray volume of 1 gallon per 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

- **Maximum Single Application Rate:**
  - o **Do Not** apply more than 5.3 fl oz of product per acre.
- **Maximum Annual Application Rate:**
  - o **Do Not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do Not** apply more than once per 7 days.
- **Do Not** enter or allow others to enter treated area until sprays have dried.

SOIL APPLICATION for control of white grubs

Use Sites: Ornamentals in outdoor landscapes and interior plantscapes

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

^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.

Use Rate Conversion

fl oz (mL) product/ 1000 sq ft	lb total ai/ acre	fl oz (mL) product/ acre
0.062 fl oz (2 mL)	0.104	2.68 fl oz (79 mL)
0.123 fl oz (4 mL)	0.209	5.37 fl oz (159 mL)
0.29 fl oz (9 mL)	0.500	12.8 fl oz (379 mL)

Target Pests	Product Application Rate			Application Timing	Application Instructions
	fl oz product/ 1000 sq ft	lb ai/ acre	fl oz product/ acre		
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	0.062 – 0.123	0.104 – 0.209	2.68 – 5.37	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

- **Maximum Single Application Rate:**
  - o **Do not** apply more than 5.37 fl oz of product per acre (0.123 fl oz per 1,000 sq ft).
- **Maximum Annual Application Rate:**
  - o **Do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do not** apply more than once per 7 days.
- **Do not** enter or allow others to enter treated area until sprays have dried.

SYSTEMIC SOIL TREATMENTS

Use Sites: Ornamental plants in outdoor landscaped areas and in interior plantscapes

Evergreens including conifers	Palms
Non-bearing fruit and nut trees^	Shrubs
Ornamental Trees	

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

Use Rate Conversion	
fl oz (mL)	**lb ai**
0.021 fl oz (1 mL)	0.0008
0.084 fl oz (3 mL)	0.0033

Target Pests	Product Use Rates*		Application Timing	Application Instructions
	fl oz product	lb ai per DBH of tree or foot of height of shrub		
Lace bugs, Aphids, including apple aphid	0.021 – 0.084	0.0008 - 0.0033	Application to soil to protect woody plants should be made up to 60 days prior to pest infestation to allow for the insecticide to be adequately taken up by the plant.	Applications can be made through soil injection, soil drenches and broadcast sprays. For effective control apply product within 1-3 feet of the root flare of trees and shrubs. Use sufficient volume to reach the root zone to maximum systemic uptake.
Birch leafminer	0.084	0.0033		

*Amount of DURENTIS™ insecticide per inch of diameter at breast height (DBH) for trees or per foot of height for shrubs. See restrictions regarding the number of tree or shrubs that can be treated per acre in the following tables.

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - o **Do Not** apply more than 5.37 fl oz of product per acre (0.123 fl oz per 1,000 sq ft).
- **Maximum Annual Application Rate:**
  - o **Do Not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do Not** apply more than once per 7 days.
- **Do Not** enter or allow others to enter treated area until sprays have dried.

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

Amount of product to be applied per inch DBH[1] or foot height of shrub	Diameter of tree in inches at breast height (DBH) or Height of shrubs in feet					
	1	2	3	4	5	6
0.021 fl oz (1 mL)	256	128	85	64	51	42
0.084 fl oz (3 mL)	64	32	21	16	12	10

[1]When trees have DBH greater than 6-inches and shrubs have a height greater than 6 feet, do not apply more than 0.5 fl oz of DURENTIS™ insecticide per tree or shrub. Dilute the correct amount of DURENTIS™ insecticide in a water volume that will ensure adequate coverage.

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

When determining the amount of DURENTIS™ insecticide to use in soil injections/drench application, the following must be addressed:

1. Calibrate the application equipment to determine the specified flow rate in gallons per minute.
2. Select an injection/drench volume per inch of tree diameter at breast height (DBH) or foot of shrub height.
3. Use the following table to determine the amount of time that is required to deliver the specified volume per injection/drench site.

Volume Selected per Tree or Shrub	Flow Rate (Gallons per Minute) and Time to Apply (Seconds)					
	0.5 gallon	0.75 gallon	1 gallon	1.5 gallon	2 gallons	3 gallons
1-Pint	15 sec	10 sec	7.5 sec	5 sec	3.75 sec	2.5 sec
1- Quart	30 sec	20 sec	15.0 sec	10 sec	7.5 sec	5 sec
2- Quarts	1 min	40 sec	30.0 sec	20 sec	15 sec	10 sec

4. Determine how much solution to mix.
5. Use the following table to determine the amount of product that must be mixed in the desired volume of water based on the injection/drench volume identified above.

Mixing Chart for Selected Application Volumes for Soil Injection/Drench Applications						
Volume Selected per Tree or Shrub	Application rate* (fl oz)	fl oz Product per 1-Gallon	fl oz Product per 10-Gallons	fl oz Product per 25-Gallons	fl oz Product per 50-Gallons	fl oz Product per 100-Gallons
1-Pint	0.021	0.168	1.68	4.20	8.40	16.8
	0.084	0.670	6.70	16.75	33.5	67.0
1-Quart	0.021	0.084	0.84	2.10	4.20	8.4
	0.084	0.335	3.35	8.375	16.75	33.5
2-Quarts	0.021	0.042	0.42	1.05	2.10	4.2
	0.084	0.168	1.675	4.188	8.38	16.75
1-Gallon	0.021	0.021	0.210	0.525	1.05	2.10
	0.084	0.084	0.838	2.094	4.188	8.375

* Amount of DURENTIS™ Insecticide per inch of diameter at breast height (DBH) for trees or per foot of height for shrubs.

BARK APPLICATIONS

Use Sites: Ornamental plants in outdoor landscaped areas and in interior plantscapes

Evergreens including conifers
Non-bearing fruit and nut trees^
Ornamental trees
Palms
Shrubs

^Non-bearing fruit and nut trees are those trees that will not produce edible fruit or nuts for one year after application.

Use Rate Conversion

fl oz (mL) product/ 100 gallons	lb ai/ 100 gallons
1.3 fl oz (38.3 mL)	0.052
10.7 fl oz (316.4 mL)	0.416

Target Pests	Product Dilution		Application Timing	Application Instructions
	fl oz product/ 100 gallons	lb ai/ 100 gallons		
Clearwing moth borer larvae, including peachtree borer	1.3 - 10.7	0.052 - 0.416	Applications should be made after adult emergence and before their eggs hatch. Consult local Cooperative Extension Agent or local pest control advisor for specific timing in your area	Apply DURENTIS™ insecticide to trunks and lower branches of trees and shrubs to control clearwing moth borer larvae. Thorough bark surface coverage is needed for control. Apply to the bark until it is thoroughly covered, but not yet to the point of runoff.

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - o **Do not** apply more than 5.37 fl oz of product per acre (0.123 fl oz per 1,000 sq ft).
- **Maximum Annual Application Rate:**
  - o **Do Not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do Not** apply more than once per 7 days.
- **Do Not** enter or allow others to enter treated area until sprays have dried.

CONTAINER DRENCH APPLICATIONS

Use Sites: Ornamental plants in outdoor landscaped areas and in interior plantscapes

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

^Non-bearing fruit and nut trees are those trees that will not produce edible fruit or nuts for one year after application.

Use Rate Conversion

fl oz (mL) product / 100 gallons	lb ai/ 100 gallons
2.7 fl oz (80 mL)	0.104
5.3 fl oz (157 mL)	0.208
10.7 fl oz (316 mL)	0.416

Target Pests	Product Dilution		Application Timing	Application Instructions
	fl oz product/ 100 gallons	lb ai/ 100 gallons		
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	2.7 – 5.3	0.104 – 0.208	Apply just before egg hatch. Historical site data or site monitoring may indicate the need for treatment.	Mix the required dose and apply it uniformly to the soil surface. Ensure to use sufficient volume to drench the entire root zone.
Lace bugs, Aphids, including apple aphid	2.7 - 10.7	0.104 - 0.416	Drench applications to woody plants may take up to 60 days for the active ingredient to be translocated throughout the plant.	

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - o **Do Not** apply more than 5.37 fl oz of product per acre (0.123 fl oz per 1,000 sq ft).
- **Maximum Annual Application Rate:**
  - o **Do Not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do Not** apply more than once per 7 days.
- **Do Not** enter or allow others to enter treated area until sprays have dried.

Agricultural uses: Sod farms, Commercial ornamental nurseries, and Greenhouses

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

Refer to the AGRICULTURAL USE REQUIREMENTS box for compliance with the Worker Protection standard for the following crops grown for agricultural production: Turfgrass grown on sod farms; ornamental non-food 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 nurseries; greenhouses; outdoor nurseries (both field-grown and containerized plants); shade houses, lath houses and hoop houses; and retail nurseries.

USE RESTRICTIONS

- **DO NOT** let people and pets enter the treated area until treatment has dried.
- **DO NOT** use for commercial grass seed production.
- **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 12.8 fl oz DURENTIS™ Insecticide (equivalent to 0.5 lb of any chlorantraniliprole-containing products) per acre per calendar year to plants produced or grown outdoors.
- **DO NOT** apply more than 12.8 fl oz of this product (equivalent to 0.5 lb of any chlorantraniliprole-containing products) per acre per crop to plants produced or grown indoors and outdoors in containers.

SOD FARMS		
Use Rate Conversion		
fl oz (mL) product/ 1000 sq ft	**lb total ai/acre**	**fl oz (mL) product/acre**
0.016 fl oz (0.5 mL)	0.026	0.68 fl oz (20 mL)
0.031 fl oz (0.9 mL)	0.052	1.33 fl oz (39 mL)
0.062 fl oz (1.8 mL)	0.104	2.68 fl oz (79 mL)
0.093 fl oz (2.8 mL)	0.158	4.06 fl oz (120 mL)
0.123 fl oz (3.6 mL)	0.209	5.37 fl oz (159 mL)
0.153 fl oz (4.5 mL)	0.260	6.68 fl oz (198 mL)
0.29 fl oz (8.57 mL)	0.500	12.8 fl oz (379 mL)

Target Pest	Broadcast Product Application Rate Uniform application is necessary to provide good pest control.			Application Instructions
	Fl oz product/ 1000 sq ft	lb ai/ acre	fl oz (mL) product/ acre	
Annual bluegrass weevil (*Hyperodes*)	0.093 - 0.153	0.158 - 0.260	4.06 - 6.68	Applications should be made in 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. Higher rates may be required for later applications. Applications made at this time will also provide preventative white grub control.
Armyworms Cutworms Sod Webworm	0.016 - 0.031	0.026 - 0.052	0.68 - 1.33	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 the higher rate (1.33 fl oz per acre) may be required during periods of high pest pressure.
Billbugs	0.062 - 0.153	0.104 - 0.260	2.68 - 6.68	Apply when overwintered 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 preventative control of white grubs.
Chinch bugs (Suppression only)	0.062 - 0.153	0.104 - 0.260	2.68 - 6.68	Chinch Bugs can be one of the most difficult pests to control in grasses - apply before eggs hatch.
European crane fly (larvae)	0.062 - 0.123	0.104 - 0.209	2.68 - 5.37	Apply between September and November. The higher rate listed may be required to achieve control when applications are made in November.

Target Pest	Broadcast Product Application Rate Uniform application is necessary to provide good pest control.			Application Instructions
	Fl oz product/ 1000 sq ft	lb ai/ acre	fl oz (mL) product/ acre	
Spittlebugs (two lined)	0.093 - 0.153	0.158 - 0.260	4.06 - 6.68	Apply in spring or summer.
White Grubs including • Asian garden beetle • Black Turfgrass Ataenius • Japanese Beetle • European Masked Chafer • Northern Masked Chafer • Southern Masked Chafer • Oriental Beetle • Green June Beetle • May/ June Beetle	0.062 - 0.123	0.104 - 0.209	2.68 - 5.37	Irrigation of at least 0.1-0.2” is recommended to help move the active ingredient into the soil. Best results will be achieved from preventative applications made just prior to peak activity when grubs are nearest the soil surface. Treatment should be applied in April through early September, with suggested application before June. The higher rate listed may be required in late August or early September when less-sensitive mid-instar grubs are present at the time of application. Exact application timing should be confirmed by the local Agricultural Extension Service in your geographic area. Confirmation of the need for treatment may be based on historical records of the site, current adult trap counts or scouting, or other applicable methods.

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - **Do not** apply more than 6.68 fl oz of product per acre (0.26 lb ai per acre).
- **Maximum Annual Application Rate:**
  - **Do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do not** apply more than once per 7 days.
- **Do not** apply aerially.
- **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

FOLIAR APPLICATIONS

Use Sites: Ornamentals commercially produced in indoor nurseries, outdoor nurseries (including both containerized and field-grown plants), greenhouses, shade house, lath houses, and hoop houses

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

^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.

Use Rate Conversion

fl oz (mL) product/ 100 gallons	lb ai/ 100 gallons
0.7 fl oz (21 mL)	0.026
5.3 fl oz (157 mL)	0.208
12.8 fl oz (378 mL)	0.50

Target Pests	Product Dilution		Application Timing	Application Instructions
	fl oz product/ 100 gallons	lb ai/ 100 gallons		
Leaf-feeding caterpillars, such as bagworms and tussock moth caterpillars, including whitemarked tussock moth	0.7 - 5.3	0.026 - 0.208	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	For maximum control, apply at the highest rate. Apply in a minimum spray volume of 1 gallon per 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

- **Maximum Single Application Rate:**
  - **Do not** apply more than 5.3 fl oz product per acre
- **Maximum Annual Application Rate:**
  - For indoor ornamental product and outdoor containerized product, **do not** apply more than 12.8 fl oz of product (or 0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year. **Do not** apply more than 6 times per year.
  - For outdoor, field-grown production, **do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.

USE RESTRICTIONS (Cont'd)

- **Do not** apply more than once per 7 days.
- **Do not** apply aerially.
- **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

SOIL APPLICATION for control of white grubs

Use Sites: Ornamentals commercially produced in indoor nurseries, outdoor nurseries (including both containerized and field-grown plants), greenhouses, shade house, lath houses, and hoop houses

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

^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.

Use Rate Conversion

fl oz (mL) product/ 1000 sq ft	lb total ai/acre	fl oz (mL) product/acre
0.062 fl oz (2 mL)	0.104	2.68 fl oz (79mL)
0.123 fl oz (4 mL)	0.209	5.37 fl oz (159mL)
0.29 fl oz (9 mL)	0.500	12.8 fl oz (379mL)

Target Pests	Product Application Rate			Application Timing	Application Instructions
	fl oz product/ 1000 sq ft	lb ai/ acre	fl oz product/ acre		
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	0.062 – 0.123	0.104 – 0.209	2.68 – 5.37	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 of water or greater per sq ft of soil surface. Irrigate immediately after application or allow rainfall to move the product into the soil.

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - **Do not** apply more than 5.37 fl oz of product per acre (0.123 fl oz per 1,000 sq ft).
- **Maximum Annual Application Rate:**
  - **Do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year
- **Do not** apply more than once per 7 days.
- **Do not** apply aerially.
- **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

SYSTEMIC SOIL TREATMENTS

Use Sites: Ornamentals commercially produced in indoor nurseries, outdoor nurseries (including both containerized and field-grown plants), greenhouses, shade house, lath houses, and hoop houses

Evergreens including conifers	Palms
Non-bearing fruit and nut trees^	Shrubs
Ornamental Trees	

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

Use Rate Conversion

fl oz (mL)	lb ai
0.021 fl oz (1 mL)	0.0008
0.084 fl oz (3 mL)	0.0033

Target Pests	Product Use Rates*		Application Timing	Application Instructions
	fl oz product	lb ai per DBH of tree or foot of height of shrub		
Lace bugs, Aphids, including apple aphid	0.021 – 0.084	0.0008 – 0.0033	Application to soil to protect woody plants should be made up to 60 days prior to pest infestation to allow for the Insecticide to be adequately taken up by the plant.	Applications can be made through soil injection, soil drenches and broadcast sprays. For effective control apply product within 1-3 feet of the root flare of trees and shrubs. Use sufficient volume to reach the root zone to maximum systemic uptake.
Birch leafminer	0.084	0.0033		

* Amount of DURENTIS™ Insecticide per inch of diameter at breast height (DBH) for trees or per foot of height for shrubs. See restrictions regarding the number of tree or shrubs that can be treated per acre in the following tables.

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - **Do not** apply more than 5.37 fl oz of product per acre (0.123 fl oz per 1,000 sq ft).
- **Maximum Annual Application Rate:**
  - For indoor ornamental product and outdoor containerized product, **do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year. **Do not** apply more than 6 times per year.
  - For outdoor, field-grown production, **do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do not** apply more than once per 7 days.
- **Do not** apply aerially.
- **Do not** enter or allow others to enter treated area until sprays have dried.

Maximum number of trees/shrubs that can be treated per acre at the listed rates						
Amount of product to be applied per inch DBH[1] or foot height of shrub	**Diameter of tree in inches at breast height (DBH) or Height of shrubs in feet**					
	1	**2**	**3**	**4**	**5**	**6**
0.021 fl oz (1 mL)	256	128	85	64	51	42
0.084 fl oz (3 mL)	64	32	21	16	12	10

[1]When trees have DBH greater than 6-inches and shrubs have a height greater than 6 feet, do not apply more than 0.5 fl oz of **DURENTIS™ Insecticide** per tree or shrub. Dilute the correct amount of **DURENTIS™ Insecticide** in a water volume that will ensure adequate coverage.

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

When determining the amount of DURENTIS™ Insecticide to use in soil injections/drench application, the following must be addressed:

1. Calibrate the application equipment to determine the specified flow rate in gallons per minute.
2. Select an injection/drench volume per inch of tree diameter at breast height (DBH) or foot of shrub height.
3. Use the following table to determine the amount of time that is required to deliver the specified volume per injection/drench site.

Volume Selected per Tree or Shrub	**Flow Rate (Gallons per Minute) and Time to Apply (Seconds)**					
	0.5 gallon	**0.75 gallon**	**1 gallon**	**1.5 gallon**	**2 gallons**	**3 gallons**
1- Pint	15 sec	10 sec	7.5 sec	5 sec	3.75 sec	2.5 sec
1- Quart	30 sec	20 sec	15.0 sec	10 sec	7.5 sec	5 sec
2- Quarts	1 min	40 sec	30.0 sec	20 sec	15 sec	10 sec

4. Determine how much solution to mix.
5. Use the following table to determine the amount of product that must be mixed in the desired volume of water based on the injection/drench volume identified above.

Mixing Chart for Selected Application Volumes for Soil Injection/Drench Applications						
Volume Selected per Tree or Shrub	**Application rate* (fl oz)**	**fl oz Product per 1- Gallon**	**fl oz Product per 10- Gallons**	**fl oz Product per 25- Gallons**	**fl oz Product per 50- Gallons**	**fl oz Product per 100- Gallons**
1- Pint	0.021	0.168	1.68	4.20	8.40	16.8
	0.084	0.670	6.70	16.75	33.5	67.0
1- Quart	0.021	0.084	0.84	2.10	4.20	8.4
	0.084	0.335	3.35	8.375	16.75	33.5
2- Quarts	0.021	0.042	0.42	1.05	2.10	4.2
	0.084	0.168	1.675	4.188	8.38	16.75
1- Gallon	0.021	0.021	0.210	0.525	1.05	2.10
	0.084	0.084	0.838	2.094	4.188	8.375

*Amount of DURENTIS™ Insecticide per inch of diameter at breast height (DBH) for trees or per foot of height for shrubs.

BARK APPLICATIONS

Use Sites: Ornamentals commercially produced in indoor nurseries, outdoor nurseries (including both containerized and field-grown plants), greenhouses, shade house, lath houses, and hoop houses

Evergreens including conifers
Non-bearing fruit and nut trees^
Ornamental trees
Palms
Shrubs

^Non-bearing fruit and nut trees are those trees that will not produce edible fruit or nuts for one year after application.

Use Rate Conversion	
fl oz (mL) product / 100 gallons	**lb ai/ 100 gallons**
1.3 fl oz (38 mL)	0.052
10.7 fl oz (316 mL)	0.416

Target Pests	Product Dilution		Application Timing	Application Instructions
	fl oz product/ 100 gallons	**lb ai/ 100 gallons**		
Clearwing moth borer larvae, including peachtree borer	1.3 - 10.7	0.052 -0.416	Applications should be made after adult emergence and before their eggs hatch. Consult local Cooperative Extension Agent or local pest control advisor for specific timing in your area	Apply **DURENTIS™ Insecticide** to trunks and lower branches of trees and shrubs to control clearwing moth borer larvae. Thorough bark surface coverage is needed for control. Apply to the bark until it is thoroughly covered, but not yet to the point of runoff.

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - **Do not** apply more than 5.37 fl oz of product per acre (0.123 fl oz per 1,000 sq ft).
- **Maximum Annual Application Rate:**
  - **Do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do not** apply more than once per 7 days.
- **Do not** apply aerially.
- **Do not** enter or allow worker entry into treated areas during the restricted entry interval of 4 hr.

CONTAINER DRENCH APPLICATIONS

Use Sites: Ornamentals commercially produced in indoor nurseries, outdoor nurseries (including both containerized and field-grown plants), greenhouses, shade house, lath houses, and hoop houses

Evergreens, including conifers
Foliage plants
Non-bearing fruit and nut trees^
Ornamental Trees
Palms
Shrubs

^Non-bearing fruit and nut trees are those trees that will not produce edible fruit or nuts for one year after application.

Use Rate Conversion

fl oz (mL) product/ 100 gallons	lb ai/ 100 gallons
2.7 fl oz (80 mL)	0.104
5.3 fl oz (157 mL)	0.208
10.7 fl oz (316 mL)	0.416

Target Pests	Product Dilution		Application Timing	Application Instructions
	fl oz product/ 100 gallons	lb ai/ 100 gallons		
White Grubs, including Asiatic garden beetle, European chafer, Green June beetles, Japanese beetle, May/June beetles *(Phyllophaga spp*.), Northern masked chafer, Oriental beetle, Southern masked chafer	2.7 – 5.3	0.104 – 0.208	Apply just before egg hatch. Historical site data or site monitoring may indicate the need for treatment.	Mix the required dose in water and apply it uniformly to the container soil surface. Apply the solution to wet the entire container without leaching.
Lace bugs, Aphids, including apple aphid	2.7 - 10.7	0.104 - 0.416	Drench applications to woody plants may take up to 60 days for the active ingredient to be translocated throughout the plant.	

USE RESTRICTIONS

- **Maximum Single Application Rate:**
  - **Do not** apply more than 5.37 fl oz of product per acre (0.123 fl oz per 1,000 sq ft).
- **Maximum Annual Application Rate:**
  - For indoor ornamental production, **do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year. **Do not** apply more than 6 times per year.
  - For outdoor production (containerized and field-grown plants), **do not** apply more than 12.8 fl oz of product (0.5 lb ai of any chlorantraniliprole-containing products) per acre per calendar year.
- **Do not** apply more than once per 7 days.
- **Do not** apply aerially.
- **Do not** enter or allow others to enter treated area until sprays have dried.

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: Refer to the Net Contents section of this product's labeling for the applicable "Refillable Container" or "Nonrefillable Container" designation.

For Small (Capacity Equal to or Less Than 5 Gallons) Nonrefillable HPDE Plastic Containers: 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 puncture and dispose of in a sanitary landfill, or by incineration.

For Large (Capacity Greater Than 5 Gallons) Nonrefillable HPDE Plastic Containers: 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. 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.

For All Refillable Containers: Refillable HPDE Plastic 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 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 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. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Do not transport if container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact CHEMTREC (Transportation and Spills) at 1-800-424-9300, day or night.

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 or FMC or Seller. All such risks shall be assumed by Buyer and User, and 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 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.

AWARD

TURF FERTILIZER

Distributed & Guaranteed by:
Advanced Turf Solutions
12955 Ford Drive
Fishers, IN 46038

Net Wt. 50 lbs. (22.7 kg)

EC GROW

PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. Wear protective gloves/clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

FIRST AID

IF IN EYES:	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Center or doctor/physician if you feel unwell.
IF SWALLOWED:	Rinse mouth. Call a Poison Center or doctor/physician if you feel unwell.
IF ON SKIN:	Wash with plenty of soap and water. If skin irritation persists, get medical advice/attention.

For Chemical Spill, Leak, Fire or Exposure, Call CHEMTREC 1-800-424-9300

STORAGE AND DISPOSAL

Storage: Store in a cool dry area inaccessible to children and domestic animals. Reseal package tightly after each use.
Disposal: Dispose of contents in accordance with local/regional regulations.
Container Disposal: Place empty bag in trash or offer for recycling if available.

SPREADER SETTINGS

These settings are recommendations only. Each user should calibrate their own spreaders for proper application. Your application may vary with ground speed and wear on your spreading equipment. Bulk density, particle size (SGN) and a change in fertilizer analysis will also vary your spreader setting. To calibrate your spreader, place the proper amount of product for 500 square feet into the spreader and apply to your pre-measured 500 square feet (100 feet long by 5 feet wide) and adjust the spreader setting as necessary.

MINI GRADE SGN								
# OF PRODUCT /1000 SQ. FT.	# OF PRODUCT /ACRE	SCOTTS R8	LESCO ROTARY	SPYKER 24	PRIZELAWN CB	EARTHWAY 2400	LELY	VICON
3 LBS	130 LBS	J	G-H	3.75	4.25	14	4.5	25
4 LBS	174 LBS	K	H	4	4.5	15	5.25	29
5 LBS	218 LBS	L	H-J	4.25	4.75	16	5.5	31

Notice: These are approximate settings, age and condition of spreader can affect setting - always calibrate your spreader before using. Instructions for how to calibrate your spreader can be found on our website.

KEEP OUT OF REACH OF CHILDREN

WARNING

Causes serious eye irritation.
Harmful if inhaled.
Harmful if swallowed.
Causes skin irritation.



DIRECTIONS FOR USE

- Apply when turf or foliage is dry.
- Water following application will enhance performance of the fertilizer.
- Slightly overlap application to avoid striping turf.
- Uniform broadcast distribution of this product is essential. Spreaders should be calibrated for accurate and uniform application of this product.
- This product may contain materials that can stain sidewalks, patios, driveways, containers, etc. Sweep or remove immediately after application if product comes in contact with these surfaces to avoid staining.
- Avoid applying targeted areas when air temperatures exceed 85 degrees.
- Avoid applying when weather conditions favor drift from target areas.
- Do not apply near water, storm drains, or drainage ditches. Do not apply if heavy rains are expected. Apply this product only to your lawn and sweep any product that lands on the driveway, sidewalk, or street back onto your lawn.
- Use in accordance with recommendations of a qualified individual or institution, such as, but not limited to, a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.
- Store the blended fertilizer product in a cool, dry place out of direct sunlight.

LIMITED WARRANTY AND DISCLAIMER

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

Distributed and Guaranteed By
Eau Claire Co-op Oil Co.
P.O. Box 837, Eau Claire, WI 54702
www.ecgrow.com

AWARD
TURF FERTILIZER

DIMENSION® .125% CRABGRASS PREVENTER

Distributed & Guaranteed by:
Advanced Turf Solutions
12955 Ford Drive
Fishers, IN 46038

EPEC 60 EPEC 90

DITHIOPYR	GROUP	3	HERBICIDE

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%

EPA REG. NO. 62719-483-57131 EPA EST. NO. 57131-WI-1

This product contains 0.0625 pound of the active ingredient dithiopyr per 50 pound bag.

AWARD Turf Fertilizer Dimension®.125% Crabgrass Preventer
For season-long control of crabgrass and control or suppression of listed annual grasses and broadleaf weeds in established lawns and ornamental turf, including golf course fairways, roughs and tee boxes.
• 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 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 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).

™ ® Trademarks of Corteva Agriscience and its affiliated companies

Keep Out of Reach of Children

CAUTION

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.

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.

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
Award Turf Fertilizer Dimension .125% Crabgrass Preventer, 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.

Net Wt. 50 lbs. (22.7 kg)

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 Award Turf Fertilizer Dimension .125% Crabgrass Preventer 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 Award Turf Fertilizer Dimension .125% Crabgrass Preventer 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
AWARD Turf Fertilizer Dimension®.125% Crabgrass Preventer 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.

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.

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*	Fescue, tall	*Festuca arundinacea*
Bluegrass, Kentucky	*Poa pratensis*	Ryegrass, perennial	*Lolium perenne*
Fescue, fine ††	*Festuca rubra*		

Warm-Season Grasses

Bahiagrass	*Paspalum notatum*	Kikuyugrass	*Pennisetum clandestinum*
Bermudagrass	*Cynodon dactylon*	St. Augustinegrass	*Stenotaphrum secundatum*
Buffalograss †††	*Buchloe dactyloides*	Zoysiagrass	*Zoysia japonica*
Carpetgrass	*Axonopus affinis*		
Centipedegrass	*Eremochloa ophiuroides*		

† 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 Award Turf Fertilizer Dimension .125 Crabgrass Preventer 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 Award Turf Fertilizer Dimension .125 Crabgrass Preventer as 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 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 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 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.*	goosegrass	*Eleusine indica*
barnyardgrass	*Echinochloa crus-galli*	foxtail, green	*Setaria verdi*
bluegrass, annual	*Poa annua*	foxtail, yellow	*Setaria faberi*
brome	*Bromus spp.*	kikuyugrass †	*Pennisetum clandestinum*
crabgrass, large	*Digitaria sanguinalis*	oats, wild	*Avena fatua*
crabgrass, smooth	*Digitaria ischaemum*	ryegrass (annual & perennial)	*Lolium spp.*
crabgrass, Southern	*Digitaria ciliaris*		
crowfootgrass †	*Dactyloctenium aegyptium*	sandbur	*Cenchrus spp.*
dallisgrass (seedling)	*Paspalum dilatatum*	smutgrass	*Sporobolus indicus*

Broadleaf Weeds

bittercress †	*Cardamine spp.*	pigweed, redroot	*Amaranthus retroflexus*
carpetweed	*Mollugo verticillata*	parsley-piert †	*Alchemilla arvensis*
chickweed †	*Stellaria spp.*	purslane, common	*Portulaca oleracea*
geranium, Carolina †	*Geranium carolinianum*	rocket, London	*Sisymbrium irio*
henbit	*Lamium spp.*	shepherdspurse	*Capsella bursa-pastoris*
knotweed, prostrate	*Polygonum aviculare*	speedwell, corn †	*Veronica arvensis*
lespedeza, common†	*Lespedeza striata*	spurge, garden	*Euphorbia hirta*
marestail	*Conyza canadensis*	spurge, prostrate	*Euphorbia humistrata*
medic, black	*Medicago lupulina*	spurge, spotted	*Euphorbia maculata*
mustard	*Brassica spp.*	woodsorrel, creeping	*Oxalis corniculata*
oxalis, buttercup	*Oxalis pes-caprae*	woodsorrel, yellow	*Oxalis stricta*
pineappleweed †	*Matricaria matricarioides*		

† 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*	geranium, Carolina	*Geranium carolinianum*
bittercress	*Cardamine spp.*	parsley-piert	*Alchemilla arvensis*
chickweed	*Stellaria spp.*	pineappleweed	*Matricaria matricarioides*
henbit	*Lamium spp.*	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.

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.

Distributed by
Eau Claire Co-op Oil Co.
P.O. Box 837, Eau Claire, WI 54702

MUESTRA

Grupo	7	M5	Fungicida

Encartis™

Fungicida

Para controlar enfermedades en el césped de campos de golf

Ingredientes activos*:

boscalid, 3-piridincarboxamida, 2-cloro-N-(4'-cloro(1,1'-bifenil)-2-il)-	2.20%
clorotalonil (tetracloroisoftalonitrilo)	54.14%
Otros ingredientes:	43.66%
Total:	100.00%

*Contiene 0.244 libras de boscalid y 6.009 libras de clorotalonil por galón.

N.º de reg. de EPA 7969-348

N.º de est. de EPA

MANTENER LEJOS DEL ALCANCE DE LOS NIÑOS

PRECAUCIÓN

Si no entiende la etiqueta, pida a alguien que se la explique detalladamente.

Consulte en el interior la información completa sobre **primeros auxilios, precauciones, instrucciones de uso, condiciones de venta y garantía**, y las restricciones específicas del estado en cuanto a cultivo o sitio de uso.

En caso de una emergencia que ponga en peligro la vida o los bienes relacionada con este producto, llame a cualquier hora del día o de la noche al 1-800-832-4357 (HELP).

Agite bien el producto antes de usarlo

Contenido neto:

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709, EE. UU.

BASF
We create chemistry

PRIMEROS AUXILIOS	
En caso de ingestión	• Llame inmediatamente a un centro de toxicología o a un médico para que le recomienden un tratamiento. • Si la persona afectada puede tragar, pídale que beba a sorbos un vaso de agua. • **NO** induzca el vómito, a menos que así lo indique el centro de control de intoxicaciones o el médico. • **NO** le dé nada a una persona que esté inconsciente.
En caso de contacto con la piel o la ropa	• Quítese la ropa contaminada. • Enjuáguese inmediatamente la piel con abundante agua durante 15 a 20 minutos. • Llame a un centro de control de intoxicaciones o a un médico para que le recomienden un tratamiento.
En caso de contacto con los ojos	• Mantenga los ojos abiertos y enjuáguelos lenta y suavemente con agua durante 15 a 20 minutos. • Si usa lentes de contacto, quíteselos después de los primeros 5 minutos, luego continúe enjuagando los ojos. • Llame a un centro de control de intoxicaciones o a un médico para que le recomienden un tratamiento.
En caso de inhalación	• Traslade a la persona afectada a un área al aire libre. • Si la persona no respira, llame al 911, a su número local de emergencias o a una ambulancia, luego administre respiración artificial, preferiblemente y si es posible, boca a boca. • Llame a un centro de toxicología o a un médico para que le recomienden tratamiento adicional.
NÚMERO DE LA LÍNEA DIRECTA	
Cuando llame a un centro de toxicología o al médico, o cuando vaya a recibir tratamiento, tenga a la mano el envase o la etiqueta del producto. También puede llamar a BASF Corporation al 1-800-832-4357 para que le recomienden un tratamiento médico de emergencia.	

Precauciones

Riesgos para los seres humanos y animales domésticos

PRECAUCIÓN. Perjudicial si se ingiere o se inhala. Causa irritación moderada en los ojos. Evite el contacto con los ojos o la ropa. Evite respirar la niebla de la aspersión del producto. El contacto prolongado o frecuentemente repetido con la piel puede causar reacciones alérgicas en algunas personas.

En caso de contacto, enjuáguese inmediatamente los ojos con abundante agua. Busque atención médica si la irritación persiste. Lávese minuciosamente con agua y jabón después de manejar el producto. Quítese la ropa contaminada y lávela antes de volver a usarla.

Equipo de protección personal

Las personas que apliquen y manejen el producto deben usar:

- Camisa de manga larga y pantalones largos
- Guantes resistentes a sustancias químicas, fabricados con cualquier material impermeable (como nitrilo, butilo, neopreno o material laminar de barrera)
- Zapatos y calcetines

Deseche la ropa u otros materiales absorbentes que se hayan impregnado o contaminado masivamente con el concentrado de este producto. **NO** vuelva a utilizarlos.

Siga las instrucciones del fabricante para la limpieza y el mantenimiento del equipo de protección personal. Si no hay instrucciones para las prendas lavables, lávelas con detergente y agua caliente. Lave el equipo de protección personal aparte y manténgalo separado de otras prendas.

RECOMENDACIONES PARA LA SEGURIDAD DEL USUARIO

Los usuarios deben:

- Lavarse las manos antes de comer, beber, mascar chicle, usar tabaco o usar el baño.
- Quitarse la ropa o el equipo de protección personal inmediatamente si se impregnan del pesticida. Luego, lavarse minuciosamente y ponerse ropa limpia.
- Quitarse inmediatamente la ropa y el equipo de protección personal después de manipular este producto. Lavar el exterior de los guantes antes de quitárselos. Lavarse minuciosamente y ponerse ropa limpia lo antes posible.

Riesgos para el medio ambiente

Este producto es tóxico para peces y animales invertebrados acuáticos. **NO** lo aplique directamente en el agua, en áreas donde haya agua superficial, ni en áreas intermareales que se encuentren por debajo del nivel de pleamar. **NO** contamine el agua al deshacerse del agua utilizada para lavar o enjuagar el equipo.

Notificación sobre el agua subterránea

Se sabe que, en ciertas condiciones, el boscalid se lixivia a través del suelo hasta el agua subterránea como resultado del uso de acuerdo con la etiqueta. Este producto puede lixiviarse hasta el agua subterránea si se utiliza en áreas donde el suelo es permeable, particularmente donde la capa freática es poco profunda y puede causar contaminación de las aguas subterráneas.

Notificación sobre el agua superficial

Este producto químico puede contaminar el agua superficial mediante el desplazamiento de la aspersión. Bajo ciertas condiciones, también puede tener un alto potencial de escurrimiento hacia aguas superficiales durante varios días o semanas después de la aplicación. Entre esas condiciones se incluyen los suelos húmedos o con drenaje deficiente y pendientes fácilmente visibles hacia las aguas superficiales adyacentes, las zonas que se inundan con frecuencia, las zonas sobre aguas subterráneas extremadamente poco profundas, las zonas con canales o zanjas interiores que drenan hacia aguas superficiales, las zonas no separadas de las aguas superficiales adyacentes con franjas intermedias de vegetación y las zonas sobre sistemas de drenaje por losetas que drenan hacia aguas superficiales.

Instrucciones de uso

Es una infracción a las leyes federales (EE. UU.) usar este producto de manera contraria a lo indicado en la etiqueta.

NO aplique este producto de forma que pueda entrar en contacto con trabajadores u otras personas, de forma directa o por desplazamiento. Para obtener información acerca de los requisitos específicos de su estado o tribu, consulte a la agencia responsable de la regulación de plaguicidas.

Este producto es para uso en campos de golf solamente.

El **fungicida Encartis™** solamente puede utilizarse en zonas de campos de golf (tees, greens y calles de campos de golf) así como en césped producido para construcción o renovación de áreas verdes en campos de golf.

REQUISITOS DE USO NO AGRÍCOLA

Los requisitos en este recuadro corresponden a los usos de este producto que NO están dentro del alcance de la Norma de Protección del Trabajador para plaguicidas agrícolas (40 CFR parte 170 de EE. UU). La Norma de Protección del Trabajador se aplica cuando este producto se utiliza para cultivar plantas agrícolas en granjas, viveros o invernaderos.

NO ingrese ni permita el acceso de otras personas al área tratada hasta que se haya secado la aspersión.

ALMACENAMIENTO Y ELIMINACIÓN

NO contamine el agua, los comestibles ni el alimento para animales al almacenar o desechar este producto.

Almacenamiento del plaguicida

NO lo almacene a temperaturas inferiores a 30 ºF ni superiores a 120 ºF. Almacénelo en un lugar seco y fresco, lejos del calor y de las flamas expuestas.

Desecho del plaguicida

Los residuos de los plaguicidas son tóxicos. La eliminación inadecuada del exceso de plaguicida, su aspersión o el agua resultante del enjuague del equipo son infracciones a la ley federal (EE. UU.). Los residuos resultantes del uso de este producto pueden eliminarse en el lugar o en un centro aprobado para la eliminación de desechos. Si no es posible eliminar estos residuos de acuerdo con las instrucciones de la etiqueta, asesórese con la oficina regional de manejo de pesticidas o de control ambiental o con el representante de residuos peligrosos en la Oficina Regional de la EPA más cercana.

Manejo del recipiente

Recipiente no rellenable. NO reutilice ni rellene este recipiente. Enjuague el recipiente tres veces o a presión (o su equivalente) tan pronto como se haya vaciado. Luego, ofrézcalo para su reciclaje (si está disponible) o reacondicionamiento (si corresponde), perfórelo y deséchelo en un relleno sanitario; incinérelo o deséchelo mediante otros procedimientos aprobados por las autoridades estatales y locales.

(continúa)

ALMACENAMIENTO Y ELIMINACIÓN

(continuación)

Manejo del recipiente *(continúa)*

Enjuague tres veces los recipientes que sean suficientemente pequeños como para agitarlos (hasta 50 Galones de capacidad) de esta manera: Vacíe lo que reste del contenido en el equipo de aplicación o en un tanque de mezclado y drene durante 10 segundos después de que el flujo comience a gotear. Llene una cuarta parte del recipiente con agua y vuélvalo a tapar. Agite durante 10 segundos. Vierta la solución de enjuague en el equipo de aplicación o un tanque de mezclado, o almacene la solución de enjuague para su uso o desecho posterior. Drene durante 10 segundos después de que el flujo comience a escurrir. Repita este procedimiento dos veces más.

Enjuague a presión de esta manera: Vacíe lo que quede del contenido en el equipo de aplicación o en un tanque de mezclado y siga drenando durante 10 segundos después de que el flujo comience a gotear. Sostenga el recipiente boca abajo sobre el equipo de aplicación o tanque de mezclado, o recoja la solución de enjuague para usarla o desecharla posteriormente. Inserte la boquilla de enjuague a presión por un lado del recipiente y enjuague aproximadamente a 40 PSI por lo menos durante 30 segundos. Drene durante 10 segundos después de que el flujo comience a escurrir.

En caso de emergencia

En caso de que este producto se derrame a gran escala, llame a:

- CHEMTREC 1-800-424-9300
- BASF Corporation 1-800-832-4357 (HELP)

En caso de emergencia médica con respecto a este producto, llame a:

- Su médico local para tratamiento inmediato
- Su centro de toxicología (hospital) local
- BASF Corporation 1-800-832-4357 (HELP)

Pasos a seguir en el caso de que se produzca un derrame o escape del material.

- En el caso de que se derrame en el suelo o sobre superficies pavimentadas, límpielo y llévelo a un área de almacenamiento de residuos de productos químicos hasta que se pueda desechar de forma adecuada, en caso de que no pueda usarse de acuerdo a las instrucciones de la etiqueta.
- Rodee y contenga el derrame con material inerte (arena, tierra, etc.) y transfiera el material de contención líquido y sólido a contenedores separados para su desecho.
- Quítese la ropa contaminada y lávese con agua y jabón las áreas afectadas de la piel.
- Lave la ropa antes de volver a usarla.
- Mantenga el derrame alejado del sistema de alcantarillado y de los cuerpos de agua abiertos.

Información del producto

Encartis es un concentrado de suspensión (SC) que contiene los ingredientes activos boscalid y clorotalonil. Los ingredientes activos de **Encartis** pertenecen a dos clases de fungicidas, una carboxamida y un fungicida de acción en sitios múltiples para el control de ciertas enfermedades en el césped de los campos de golf. Para maximizar el control de las enfermedades, aplique **Encartis** mediante un programa preventivo de aspersión a intervalos regulares y utilice un plan de rotación con otros fungicidas eficaces. **Encartis** es más eficaz cuando se aplica de manera preventiva; sin embargo, se puede lograr un control curativo temprano de la mancha dólar.

Manejo de la resistencia

El **fungicida Encartis™** contiene boscalid y clorotalonil, una premezcla de un fungicida del **Grupo 7** y un fungicida del **Grupo M5**, y es eficaz contra patógenos resistentes a fungicidas con modos de acción diferentes de los del **Grupo 7** y el **Grupo M5** del lugar objetivo, como las dicarboximidas, los inhibidores de esteroles o los benzimidazoles. Los hongos aislados resistentes al **Grupo 7** pueden acabar dominando la población fúngica si el **Grupo 7** se utiliza de forma predominante y reiterada en la misma zona de césped en años sucesivos como método principal de control de las especies patógenas objetivo, especialmente si ya existe resistencia a los fungicidas del **Grupo 7** en la población patógena. Esto puede dar lugar a una reducción del control de enfermedades por parte de **Encartis** u otros fungicidas del **Grupo 7**.

Para mantener el desempeño del **Encartis** en césped, **NO** exceda el número total de aplicaciones secuenciales de **Encartis**. Siga las instrucciones de la etiqueta con respecto al uso secuencial de **Encartis**.

Advertencia sobre el manejo de la resistencia

Las siguientes instrucciones pueden retardar el desarrollo de la resistencia al fungicida:

1. **Aplicaciones secuenciales limitadas:** Para mantener el desempeño en el césped de campos de golf, **NO** haga más de dos (2) aplicaciones secuenciales de **Encartis**; luego alterne con otro fungicida eficaz antes de volver a aplicar **Encartis**.
2. **Mezclas en tanque:** Utilice mezclas del producto en tanque con fungicidas eficaces de diferentes grupos de sitios de acción objetivo que están registrados o permitidos para el mismo uso y que son eficaces contra los patógenos de interés. Use por lo menos las concentraciones mínimas según la etiqueta de cada fungicida en la mezcla en tanque.
3. **Manejo integrado de plagas:** Integre Encartis a un programa general de manejo de enfermedades y plagas. Siga las prácticas culturales que se sepa que reducen el desarrollo de las enfermedades. **Encartis** se puede utilizar en programas de asesoramiento (pronóstico de enfermedades), que recomiendan el momento de la aplicación en función de factores ambientales favorables para el desarrollo de las enfermedades.
4. **Monitoreo:** Monitoree la eficacia de todos los fungicidas utilizados en el programa de manejo de enfermedades contra el patógeno objetivo y registre los demás factores que pueden influir en el rendimiento del fungicida o el desarrollo de las enfermedades. Si **Encartis** parece ser menos eficaz contra un patógeno que antes controló o suprimió, comuníquese con un representante de BASF o un experto local para hacer una investigación más profunda.

Restricciones y limitaciones

- **Concentración máxima de uso anual: NO** aplique más de la concentración máxima de uso por pie cuadrado por año que se indica en la **Tabla 2**. **Concentración máxima de uso de Encartis y volúmenes de aspersión**.
- **NO** haga más de dos (2) aplicaciones secuenciales de **Encartis**. Después de una aplicación secuencial de **Encartis**, **NO** vuelva a aplicarlo hasta después de haber usado otro fungicida eficaz.
- **NO** lo aplique mediante ningún tipo de equipo de riego.
- **NO** aplique este producto al césped con fines de trasplante, excepto al césped producido para el establecimiento o renovación de campos de golf.
- Para usarlo solamente en césped de campos de golf.
- Este producto no puede utilizarse para formular o reformular ningún otro producto plaguicida.

Mezcla en tanque con otros productos y aditivos

Elementos o componentes para mezcla en tanque

Encartis es compatible con la mayoría de los productos fungicidas, insecticidas, herbicidas y fertilizantes. Si se utilizan mezclas en tanque, siga las restricciones de concentración, las instrucciones de la etiqueta y las precauciones en todas las etiquetas.

Si mezcla **Encartis** con fungicidas, herbicidas, insecticidas, aditivos o fertilizantes, podría haber incompatibilidad física, disminuir el control de la enfermedad o dañar el cultivo. Para mejorar el control de enfermedades específicas no incluidas en la etiqueta, **Encartis** puede mezclarse en tanque con otros fungicidas eficaces como el **fungicida Insignia® SC Intrinsic®** o el **fungicida Trinity®**. Siempre lea y siga las instrucciones de la etiqueta de ambos productos cuando se mezcle en tanque.

Aditivos

Al mezclar **Encartis** en tanque con otros plaguicidas, cumpla las limitaciones y precauciones más estrictas. No debe excederse ninguna de las concentraciones de la etiqueta. **NO** mezcle **Encartis** en tanque con productos que tengan una etiqueta que prohíba esa mezcla. **NO** combine **Encartis** en el tanque de aspersión con plaguicidas, surfactantes o fertilizantes, a menos que su uso previo haya demostrado que la combinación es físicamente compatible, eficaz y no dañina bajo sus condiciones de uso. **NO** combine **Encartis** con **Dipel® 4L**, **Latron™ AG-98** o **Latron™ B-1956**, ya que la combinación puede producir fitotoxicidad cuando se aplica al césped de campos de golf. **NO** mezcle **Encartis** con aceite ni con adyuvantes que contengan aceite como ingrediente principal. Cuando se vaya a utilizar un adyuvante con este producto, se recomienda un adyuvante certificado por la Asociación de Productores y Distribuidores Químicos (CPDA, EE. UU.). **NO** lo utilice con el **fungicida Copper-Count® N** en suspensiones concentradas de aspersión.

Debido al gran número de aditivos o adyuvantes que pueden utilizarse, ni el fabricante ni el vendedor han determinado si **Encartis** puede utilizarse sin causar daños al césped con todos los aditivos. Para obtener más información sobre aditivos, consulte a un representante de Corporation BASF o a las autoridades agrícolas locales.

Prueba de compatibilidad de los componentes de mezclado en tanque

Añada los componentes en la siguiente secuencia a una dosis de 2 cucharaditas por cada libra o 1 cucharadita por cada pinta de la concentración especificada indicada en la etiqueta por acre.

1. **Agua:** Para un volumen de aspersión de 87 galones por acre, utilice 14.4 tazas de agua. Para otros volúmenes de aspersión, ajuste las concentraciones según corresponda. Solo use agua de la fuente prevista a la temperatura de la fuente.
2. **Productos de dispersión en agua** (es decir, productos autosuspensibles, polvos humedecibles, concentrados de suspensión o suspoemulsiones). Tape el frasco y dele vuelta 10 veces.
3. **Productos solubles en agua:** Tape el frasco y dele vuelta 10 veces.
4. **Concentrados emulsificables** (concentrado de aceite o aceite metilado de semillas cuando corresponda). Tape el frasco y dele vuelta 10 veces.
5. **Aditivos solubles en agua:** Tape el frasco y dele vuelta 10 veces.
6. Deje que la solución se asiente durante 15 minutos.
7. **Evalúe** la solución para determinar su homogeneidad y estabilidad. La solución de aspersión no debe tener aceite suelto en la superficie ni partículas finas precipitadas en el fondo o textura densa (cuajada). **NO** utilice ninguna solución de aspersión que pueda obstruir las boquillas de aspersión.

Orden de mezclado

Limite la cantidad de mezcla de aspersión preparada a la necesaria para su uso inmediato.

1. **Agua:** Agite un tanque de aspersión totalmente limpio lleno hasta la mitad con agua limpia.
2. **Productos en bolsas de PVA:** Deposite la bolsa de PVA soluble en agua en el tanque de mezclado. La bolsa de PVA soluble en agua se disolverá en el agua para que se disperse el contenido. Espere hasta que todas las bolsas se hayan disuelto completamente y el producto se haya mezclado de forma homogénea en el tanque antes de continuar.
3. **Productos de dispersión en agua** (es decir, productos autosuspensibles, polvos humedecibles, concentrados de suspensión o suspoemulsiones). Agite bien los recipientes antes de usar el producto. Para obtener más información sobre agitación y recirculación de productos, consulte a representantes de BASF.
4. **Productos solubles en agua**
5. **Concentrados emulsificables** (concentrado de aceite o aceite metilado de semillas cuando corresponda)
6. **Aditivos solubles en agua** (como sulfato de amonio [AMS] o nitrato de amonio úrico [UAN] cuando corresponda)
7. Cantidad de agua restante.

Mantenga la máxima agitación constante durante la aplicación.

NO deje reposar la mezcla durante más de una (1) hora sin agitarla antes de la aplicación.

Instrucciones de aplicación

Aplique el **fungicida Encartis™** antes o en las primeras etapas de desarrollo de la enfermedad y en las concentraciones indicadas en la **Tabla 1. Concentraciones e intervalos de aplicación del fungicida Encartis™** en 1 a 4 galones de agua por 1000 pies cuadrados (44 a 174 galones por acre; ver Tabla 2). **Concentración máxima de uso de Encartis y volúmenes de aspersión** después de cortar el césped. Utilice el intervalo de aplicación especificado más corto cuando existan condiciones favorables prolongadas para la enfermedad. Repita las aplicaciones al intervalo especificado según sea necesario. **NO** exceda la concentración de aplicación especificada ni pase por alto las restricciones de uso en las secciones tituladas **Manejo de la resistencia** y **Restricciones y limitaciones**. Haga todas las aplicaciones según las indicaciones de uso a continuación.

La duración real del control de la enfermedad variará según las condiciones ambientales, la presión de la enfermedad y las prácticas de manejo del césped. Si no se siguen las instrucciones y precauciones que figuran en esta etiqueta se pueden producir daños en el césped o lograr un control inferior de la enfermedad.

Usos y tolerancias

Para usarlo solamente en el césped de campos de golf. Debido a la medida en que varían las especies de césped, las técnicas de aplicación y las posibles mezclas en tanque, el fabricante y el vendedor no han determinado si **Encartis** tiene o tolerancia adecuada en todo tipo de césped bajo todas las condiciones. Por lo tanto, aplique la concentración de uso especificada de **Encartis** en una pequeña zona de prueba en las condiciones que se espera encontrar y monitoree todos los efectos adversos antes de aplicar **Encartis** en la zona objetivo.

Concentración de aplicación

La ubicación del césped en el campo de golf determina las concentraciones máximas de uso. Siga las concentraciones de aplicación indicadas en la **Tabla 1. Concentraciones e intervalos de aplicación del fungicida Encartis™** con instrucciones de aplicación para enfermedades específicas. Siga las concentraciones máximas de uso de Encartis indicadas en la **Tabla 2. Concentración máxima de uso de Encartis y volúmenes de aspersión** para tees, greens y calles de campos de golf.

Cómo limpiar el equipo de aspersión

El equipo de aspersión debe limpiarse a fondo antes y después de aplicar este producto, especialmente si se utilizó un producto con el potencial de dañar el césped antes de aplicar **Encartis**.

Agite bien los recipientes antes de usar el producto. Para obtener más información sobre agitación y recirculación de productos, consulte a representantes de BASF.

Instrucciones para la aspersión

- Calibre el aspersor antes de usarlo.
- Aplique**Encartis** con equipo de aspersión terrestre.
- Aplique **Encartis** utilizando suficiente volumen de agua y presión para una cobertura adecuada del follaje.
- Después de la aplicación, deje que el follaje se seque antes de cortar el césped.

Tabla 1. Concentraciones e intervalos de aplicación del fungicida Encartis™

Enfermedad *Patógeno*	**Concentración de uso por aplicación (fl oz de producto/ 1000 pies cuadrados)**	**Concentración de uso por aplicación (pintas de producto/acre)**	**Intervalos (días)**	**Instrucciones de aplicación***
Algas	3 a 4	8.2 a 10.9	14	Cuando haya colonias de algas bien establecidas, seque la zona afectada. Una vez seco, airee el césped con pinchos o corte verticalmente para eliminar la cubierta de pasto muerto y facilitar la recuperación del césped en conjunto con **Encartis**. Posiblemente sea necesario repetir las aplicaciones de **Encartis** para que se recupere el césped.
Antracnosis *Colletotrichum graminicola*	3 a 4	8.2 a 10.9	14	Comience las aplicaciones antes del desarrollo de la enfermedad o en las fases tempranas de esta. Siga las instrucciones de volumen de aspersión para tees, greens y calles de campos de golf (consulte la **Tabla 2. Concentración máxima de uso de Encartis y volúmenes de aspersión**). Utilice un intervalo de aplicación más corto o una concentración más alta cuando existan condiciones que favorecen la enfermedad.
Mancha necrótica de la hierba fina *Ophiosphaerella agrostis*	4	10.9	14	
Mancha parda *Rhizoctonia solani*, *R. zeae*, *R. Cerealis*	3 a 4	8.2 a 10.9	14	
Mancha zonada de la hoja *Gloeocercospora sorghi*	4	10.9	14	
Mancha de la hoja de dichondra *Alternaria* spp.	4	10.9	14	
Mancha dólar *Sclerotinia homoeocarpa*	3 a 4	8.2 a 10.9	14 a 21	
	4	10.9	21 a 28	
Mancha gris de la hoja *Pyricularia grisea*, *P. oryzae*	3 a 4	8.2 a 10.9	14	
Mancha de la hoja, mancha borrosa, tizón pardo *Drechslera* spp., *Bipolaris sorokiniana*, *Curvularia* spp.	3 a 4	8.2 a 10.9	14 a 21	
Hilo rojo *Laetisaria fuciformis*	3 a 4	8.2 a 10.9	14	
Roya del tallo de la espiguilla *Puccinia graminis*	4	10.9	14	

* **NO** haga más de dos (2) aplicaciones secuenciales de **Encartis**, luego alterne con otro fungicida eficaz antes de volver a aplicar **Encartis**.

Tabla 2. Concentración máxima de uso anual de Encartis y volúmenes de aspersión

Zonas de césped y volúmenes de aplicación		
Concentraciones máximas de uso por año (fl oz/1000 pies cuadrados		**Volúmenes de aspersión** (galones/1000 pies cuadrados)
Greens	25.4	2 a 4
Tees	25.4	2 a 4
Calles	12.7	1 a 4

Condiciones de venta y garantía

Las **Instrucciones de uso** de este producto reflejan la opinión de expertos con base en el uso y las pruebas en el campo. Las instrucciones se consideran confiables si se siguen cuidadosamente. No obstante, es imposible eliminar todos los riesgos inherentes al uso de este producto. Podrían producirse daños, ineficacia u otras consecuencias inesperadas en los cultivos debido a factores como las condiciones climáticas, la presencia de otros materiales o el uso del producto de manera contraria a su etiquetado, todas las cuales están fuera del control de BASF CORPORATION ("BASF") o el Vendedor. En la medida en que lo permita la ley pertinente, el Comprador asumirá todos esos riesgos.

BASF garantiza que este producto cumple con la descripción química en la etiqueta y es razonablemente apto para los propósitos mencionados en la sección titulada **Instrucciones de uso**, sujeto a los riesgos inherentes antes mencionados.

EN LA MEDIDA EN QUE LO PERMITA LA LEY PERTINENTE, BASF NO OFRECE NINGUNA OTRA GARANTÍA EXPRESA O IMPLÍCITA DE APTITUD O COMERCIABILIDAD, NI OTRAS GARANTÍAS EXPRESAS O IMPLÍCITAS.

EN LA MEDIDA EN QUE LO PERMITA LA LEY PERTINENTE, EL RECURSO EXCLUSIVO DEL COMPRADOR Y LA RESPONSABILIDAD EXCLUSIVA DE BASF, YA SEA POR VÍA CONTRACTUAL, EXTRACONTRACTUAL, NEGLIGENCIA, RESPONSABILIDAD OBJETIVA O CUALQUIER OTRA, SE LIMITARÁ AL REEMBOLSO DEL PRECIO DE COMPRA DEL PRODUCTO.

EN LA MEDIDA EN QUE LO PERMITA LA LEY PERTINENTE, BASF Y EL VENDEDOR RENUNCIAN A TODA RESPONSABILIDAD POR DAÑOS INCIDENTALES, EJEMPLARES, ESPECIALES O INDIRECTOS POR EL USO O EL MANEJO DE ESTE PRODUCTO.

BASF y el Vendedor ofrecen este producto, y el Comprador y el Usuario lo aceptan, sujeto a las **Condiciones de venta y garantía** que anteceden, las cuales pueden modificarse solamente mediante contrato por escrito, firmado por un representante debidamente autorizado de BASF. 1108

Encartis *es una marca comercial de BASF.*

Insignia, ***Intrinsic*** *y* ***Trinity*** *son marcas registradas de BASF.*

Dipel *es una marca registrada de Valent Biosciences Corporation.*

Copper-Count N *es una marca registrada de Mineral Research and Development Corporation.*

Latron *es una marca comercial de Dow AgroSciences LLC.*

© 2021 BASF Corporation
Todos los derechos reservados.

NVA 007969-00348.20210915.**NVA 2021-04-402-0173**
Reemplaza a: NVA 2020-04-402-0176

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709, EE. UU.

BASF
We create chemistry

ERASE™

Spray System Cleaner

PRINCIPAL FUNCTIONING AGENTS

Proprietary blend of alkalinity builders, emulsifiers, surfactants and formulation aids 100%

All ingredients are approved for use under 40 CFR 180

KEEP OUT OF REACH OF CHILDREN

DANGER / PELIGRO

CORROSIVE

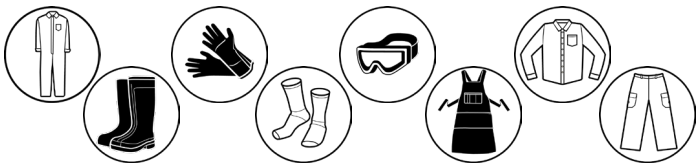


Si usted no entiende la etiqueta, busque a alquin par a que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

PRECAUTIONARY STATEMENTS

May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and serious eye damage. If medical advice is needed, have product container or label at hand. Read label before use. Keep only in original packaging. Do not breathe mist, vapors or spray. Wash protective equipment and work clothes thoroughly after handling. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Specific treatment is given in the First Aid section on this label or on the SDS. Store locked up. Store in a corrosion resistant container with a resistant inner liner. Dispose of contents/container to disposal plant in accordance federal, state and local regulations.

PERSONAL PROTECTIVE EQUIPMENT (PPE)



When handling concentrated product, applicators or other handlers must wear coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, chemical-resistant gloves and splash-proof chemical safety goggles.

Once product has been mixed with the recommended amount of water, applicators or other handlers should wear protective eyewear, chemical-resistant gloves, long-sleeved shirt, long pants, socks and shoes.

Consult the SDS for further information.

FIRST AID

If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

If Swallowed: Call a poison center/doctor or Chemtrec if person feels unwell. Rinse mouth. 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. Treat symptomatically.

If On Skin: (or hair) Take off immediately all contaminated clothing. Rinse skin with water, or shower. If skin irritation occurs: Get medical advice or attention.

If Inhaled: Remove person to fresh air and keep comfortable for breathing.

GENERAL INFORMATION

Erase is a powerful spray system cleaner that exceeds the capabilities of ordinary tank cleaners. **Erase** emulsifies oily residues in sprayer lines and hoses while elevating rinsate pH to degrade vulnerable crop protection products. **Erase** ensures more thorough clean-outs and reduced risk of cross contamination when used in conjunction with proper sprayer cleaning technique. Rinsate solutions containing **Erase** may be disposed of on growing crops.

DIRECTIONS FOR USE

After cleaning procedures have been completed, fill tank with clean water and conduct a rinsate test on the water in the tank. Rinsate tests can be done through laboratory analysis or bioassay. For bioassay testing, apply rinsate to sensitive vegetation and observe treated plant for at least 48 hours. If damage occurs, repeat cleaning process and testing procedures. If no damage is observed, dispose of rinsate in an appropriate manner and resume spraying operations. All internal and external rinsate must be contained and disposed of according to state, local and federal regulations.

FOR USE IN CLEANING SPRAY EQUIPMENT USED TO APPLY PESTICIDES REGISTERED FOR AGRICULTURAL, FORESTRY, INDUSTRIAL, MUNICIPAL, NONCROPLAND, ORNAMENTAL RIGHTS-OF-WAY, TURF, AND OTHER APPROPRIATE USES.

USE RATES

Use 2 quarts per 100 gallons of clean water for heavier residue removal and cleaning.

Use 1 quart per 100 gallons of clean water for more frequent maintenance cleaning.

Addition of antifoam or defoamer may be useful in reducing foaming from the detergent system in **Erase**.

MIXING INSTRUCTIONS

1. Clean all tanks on a state-approved loading pad so rinsate can be collected and mixed into spray solution or into a dedicated rinsate tank. In-field clean-out, go to step 3.
2. Drain the spray tank as completely as possible. Loosen any visible deposits.
3. Conduct a pre-rinse by charging system with 100-200 gallons of clean water. Recirculate for 10 minutes and spray half of the rinsate through the nozzles.
4. Remove end-caps on boom sections and spray remaining 50-100 gallons through the booms.
5. Remove nozzles, screens and strainers and thoroughly clean separately in a bucket, using **Erase** as the cleaning agent. Allow to soak while completing the cleaning process.
6. Charge the system again with 100-200 gallons of clean water and the appropriate rate of **Erase**. Ensure agitation and carefully clean the interior of the tank using a 360° rotation nozzle or pressure sprayer. Recirculate for 15 minutes and spray half of the rinsate through the nozzle bodies and the other half through the spray boom sections until tank is empty.
7. Drain lines and pump. Dispose of rinsate according to product label and local, state and federal regulations.
8. Rinse nozzles, screens, strainers and end caps with clean water and reinstall.
9. Flush the system by adding 50–100 gallons of clean water to the tank. Recirculate though entire system. Flush solution through the boom, hoses and nozzles until tank is empty.
10. Drain the tank, lines and pump completely. Remove excess rinsate with a pump or dedicated wet/dry vacuum.
11. Repeat steps 6, 9 and 10 if necessary.

STORAGE AND DISPOSAL

Noncombustible. Store in original container only. Protect product from freezing. *If product freezes, warm to room temperature and agitate before use.* Prevent water from being introduced into the contents of this package. Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at www.acrecycle.org. Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations**.**

CA RIGHT TO KNOW: Water (7732-18-5), Sodium Hydroxide (1310-73-2), Propylene Glycol (57-55-6), Amine Oxide (Withheld), Sodium Gluconate (527-07-1) Caprylyl/Capryl Glucoside, Lauryl Glucoside.For more ingredient information visit Precisionlab.com or call 800-323-8351

CONDITIONS OF SALE

Note: Read the information contained herein before buying or using this product. If the stated terms are not acceptable, return the product at once, unopened. It is critical that this product be used and mixed only as specified on this label. Neither the manufacturer nor the seller makes any representation or warranty, expressed or implied, with respect to the results from the use of this material. Buyer and user assume all risks of use and/or handling. Precision Laboratories, LLC warrants that this material is reasonably fit for use as specified on this label. No agent or representative is authorized to make any other representations concerning this material. Unforeseen factors beyond Precision's control prevent elimination of risks in connection with the use of its chemicals. Such risks include, but are not limited to, damage to plants and/or crops to which the material is applied, or lack of complete control and damage caused by drift to other plants or crops. Such risks may occur even though the product is reasonably fit for use as stated herein and even though label directions are followed. Follow directions carefully. Timing, mixture, method of application, weather and other conditions are influencing factors in the use of this product and are beyond the control of the seller. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the company or any other seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.

S P E C I M E N L A B E L

Erase is a trademark of Precision Laboratories, LLC
© PRECISION LABORATORIES, LLC, Kenosha, WI 53144 USA
For 24-hour technical assistance when using this product in the USA and Canada, call: 1-800-323-8351
For 24-hour emergency service when using this product in the USA and Canada, call CHEMTREC: 1-800-424-9300
8/24

10016 55th Street, Kenosha, WI 53144
Customer Service: (800) 323-6280
E-Mail: info@precisonlab.com
Web Site: www.precisionlab.com

Fame®

SC Fungicide

For the control of foliar, stem and root diseases in turf and ornamentals for commercial production and in landscape areas around residential, municipal and commercial properties, field grown ornamentals and ornamentals in greenhouses, interiorscapes and other enclosed structures

EPA Reg. No. 66330-64-279 **EPA Est. No. 70815-GA-001**

Active Ingredient:	**By Wt.**
Fluoxastrobin: [(1*E*)-[2-[[6-(2-Chlorophenoxy) -5-fluoro-4-pyrimidinyl]oxy]phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl) methanone-*O*-methyloxime]	40.3%
Other Ingredients	59.7%
Total	100.0%

This product contains 3.98 pounds of fluoxastrobin per gallon (478 g per liter)

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 inside booklet for additional precautionary statements.

This product is a restricted use pesticide in New York State, as per 6 NYCRR 326.23(e).

Sale, use, and distribution of this product in Nassau and Suffolk Counties of New York State is prohibited.

Produced For:

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104

Net Contents: 2.5 gallons

GROUP 11 FUNGICIDE

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 plenty of 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. • 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 to an unconscious person.
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: CALL PROSAR 1-800-331-3148	
For Product Information Call: 1-800-321-1362	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or 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 any waterproof material, such as nitrile, butyl, neoprene and/or barrier laminate.

USER SAFETY

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 there are no such instructions for washables, 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 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. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. The active ingredient in this product can be persistent for several months or longer. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark, or other sensitive areas that may be exposed to spray drift. 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.

For use to control diseases in ornamentals and turf on sod farms, golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

In New York State, this product may not be applied within 100 feet of a coastal marsh or stream that drains directly into a coastal marsh.

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: long-sleeved shirt and long pants or coveralls, shoes plus socks, and chemical resistant gloves made of any waterproof material, such as nitrile, butyl, neoprene, and/or barrier laminate.

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 children and pets out of treated area until spray has dried.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in original container and keep tightly closed. Store in a cool dry place.

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:

Rigid, Non-refillable container small enough to shake (i.e., with capacities equal to or less than 5 gallons)

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. 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.

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. 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 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. 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 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 if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PRODUCT INFORMATION

Fame SC is a broad-spectrum xylem systemic fungicide for the control of certain diseases in turf and ornamentals. Fame SC works by interfering with respiration in plant-pathogenic fungi, and is a potent inhibitor of spore germination and mycelial growth. The active ingredient, fluoxastrobin, moves rapidly into green tissue via translaminar and xylem movement and is rainfast in as little as fifteen minutes after application. Roots of plants also take up the active ingredient where it is translocated throughout the xylem of plants to provide internal inhibition of fungal growth and protect the plant from new infections. The broad spectrum of activity of Fame SC makes it an excellent choice as the foundation fungicide for turf and ornamental disease management programs. Other labeled fungicides can be used in tank mixture or alternated with Fame SC to cover all the major fungal diseases that attack most, if not all, major turfgrass and ornamental species.

UNDER CERTAIN CONDITIONS CONDUCIVE TO EXTENDED INFECTION PERIODS, ADDITIONAL FUNGICIDE APPLICATIONS BEYOND THE NUMBER ALLOWED BY THIS LABEL MAY BE NEEDED. UNDER THESE CONDITIONS, USE ANOTHER FUNGICIDE REGISTERED FOR THE DISEASE.

RESISTANCE MANAGEMENT

The active ingredient in Fame SC (fluoxastrobin) belongs to the strobilurin class of chemistry which exhibits no known cross-resistance to other chemical classes including sterol inhibitors, dicarboximides, benzimidazoles, anilinopyrimidines, or phenylamides. Fluoxastrobin exhibits cross-resistance to other QoI fungicides, such as: trifloxystrobin, azoxystrobin, and kresoxim-methyl (Group 11 fungicides). Certain fungal pathogens are known to develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for turf and ornamentals. Such strategies may include rotating and/or tank-mixing with products having different modes of action, or limiting the total number of applications per season. FMC encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Follow specific recommendations that limit the total number of sprays on turf and ornamentals and the required alternations with fungicides from other resistance management groups. In situations requiring multiple fungicide sprays, develop season-long spray programs for using Group 11 (QoI-containing) fungicides with the following guidelines. Turf pathogens that incite Dollar Spot, Gray Leaf Spot, Anthracnose, and Pythium Blight are known to have the capacity to develop resistant populations with the repeated use of a single fungicide or a single class of fungicide chemistry. Certain fungal pathogens of ornamentals also have the capacity to become resistant to single site inhibitor fungicides. In particular, the pathogens that incite Downy Mildew, Powdery Mildew and Rust diseases of ornamentals are known to have the capacity to develop resistance to single site inhibitors.

1. When using a Group 11 fungicide alone, the number of applications made for control of at risk diseases should be no more than one third of the total number of fungicide applications per season.
2. In programs where tank mixes or pre-mixes of a Group 11 fungicide with a fungicide of another Group are utilized, the number of Group 11 fungicide applications made for control of at risk diseases should be no more than one half of the total number of fungicide applications per season.
3. In programs where applications of Group 11 fungicides are made with both solo products and mixtures, the number of Group 11 fungicide applications made for control of at risk diseases should be no more than one half of the total number of fungicide applications per season.

APPLICATION GUIDELINES

Broadcast Ground Sprayers

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage provide the most effective disease control.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate the sprayer before use. Use a pump with the capacity to: (1) maintain a minimum of 35 psi at nozzles, and (2) provide sufficient agitation in the tank to keep the mixture in suspension (this requires recirculation of 10% of the tank volume per minute). Use jet agitators or a liquid sparge tube for vigorous agitation. Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on the suction side of the pump should be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh screens at the nozzles. Check nozzle manufacturer's recommendations. For information on spray equipment and calibration, consult sprayer manufacturer's and/or state recommendations. For specific local directions and spray schedules, consult the current state agricultural experiment station recommendations.

Mixing Procedures

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray

mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

Fame SC Alone
Add 1/2 of the required amount of water to the mix tank. With the agitator running, add the Fame SC to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Fame SC has completely and uniformly dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Fame SC + Tank-mix Partners
Add 1/2 of the required amount of water to the mix tank. Start the agitator running before adding any tank-mix partners. In general, tank-mix partners should be added in this order: products packaged in water-soluble packaging (see note below), wettable powders, wettable granules, dry flowables, liquid flowables (such as Fame SC), liquids, and emulsifiable concentrates. Always allow each tank-mix partner to become fully and uniformly 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.

Note: When using Fame SC in tank-mixtures, all products in water-soluble packaging should be added to the tank before any other tank-mix partner, including Fame SC. 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.

If using Fame SC in a tank-mixture, observe all directions for use, sites, use rates, dilution ratios, precautions, and limitations, which appear on the tank-mix product label. No label dosage rate may be exceeded, and the most restrictive label precautions and limitations must be followed. This product must not be mixed with any product that prohibits such mixing. Tank-mixtures or application of other products referenced on this label are permitted only in those states in which the referenced products are registered. 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.

Fame SC is compatible with most pesticides, plant growth regulators and foliar nutrient products. However, the physical compatibility of Fame SC with tank-mix partners should be tested before use. To determine the physical compatibility of Fame SC with other products, use a jar test, as described in the next paragraph.

Jar Test Procedure: Using a quart jar, add the proportionate amounts of the products to ½ qt. of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, add the remaining ½ qt of water, shake and 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.

The safety of all potential tank-mixes including additives and other pesticides on turf and ornamentals has not been tested. Before applying any tank-mixture not specifically recommended on this label, confirm the safety of the tank mixture to turf and ornamentals. To test for turf and ornamental safety, apply Fame SC in a small area and in accordance with label instructions. Observe plants over a period of time for the appearance of phytotoxicity symptoms.

DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS
Apply this product only through overhead sprinkler irrigation systems including center pivot, microjet, wheel lines, lateral move, side roll, or overhead solid set irrigation systems. Do not apply this product through any other type of irrigation system. Reduced effectiveness in turf, can result from non-uniform distribution of the treated irrigation water.

If you have questions about calibration, contact State Extension Service Specialists, equipment manufacturers or other irrigation experts.

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 Fame SC 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 of Fame SC and then the remaining volume of water. Then set sprinkler to deliver no more than 0.4 inch of water per acre. Start sprinkler and uniformly inject the suspension of Fame SC into the irrigation water line to deliver the desired rate per acre. The suspension of Fame SC should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you have any other questions about calibration, contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: Avoid further field irrigation over the treated area for 24 hours after treating with Fame SC to prevent washing the chemical off the turf.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS
1. 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. 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, back flow 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 flow 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.
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.

SPECIAL PRECAUTIONS FOR CHEMIGATION THROUGH SPRINKLER IRRIGATION SYSTEMS
1. Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.
2. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time.
3. 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.
4. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
5. 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 shutdown.
6. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
7. 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.
8. 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.
9. Do not apply when wind speed favors drift beyond the area intended for treatment. If you are unsure of wind conditions, contact your local extension agent.
10. Do not apply when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained. Reduced effectiveness may result from non-uniform distribution of treated water.
11. 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, or under supervision of the responsible person, shall shut the system down and make necessary adjustments as needed.
12. Do not connect an irrigation system used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

SPRAY DRIFT
SENSITIVE AREAS
This pesticide must only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

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 grow-

er are responsible for considering all these factors when making decisions.

USE DIRECTIONS FOR TURF

Fame SC provides control of many important diseases in turf. Use Fame SC in conjunction with cultural practices that promote healthy, vigorous turf. These practices include nutrient management, thatch management, water management and judicious use of other fungicides and cultural practices.

For use in the establishment of turfgrass from seed or in overseeding of dormant turfgrass:

Fame SC may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. Fame SC may also be used during overseeding of dormant turfgrass.

Fame SC may be safely applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, fescue, and other turfgrasses. Optimum application timing for control of seedling diseases is just prior to, during or just after seeding.

Rate Ranges: Use the shorter specified application interval and/or the higher specified rate when prolonged favorable disease conditions exist.

DIRECTIONS FOR APPLICATION TO TURF

Disease Control	Product Rate to Use (fl oz product per Acre)	Product Rate to Use (fl oz product per 1000 sq ft)	App. Interval (days)	APPLICATION INSTRUCTIONS
Anthracnose* (Foliar Infection Phase) *(Colletotrichum graminicola)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Use preventively. Begin applications when conditions are favorable for disease development. Under severe conditions tank-mix with another fungicide labeled for control of Anthracnose.
Anthracnose* (Crown Rot Phase) *(Colletotrichum graminicola)*	8.0 – 16.0	0.18 – 0.36	14 to 21	Use preventively. Begin applications when conditions are favorable for disease development. Tank-mix with another fungicide labeled for control of Anthracnose.
Brown Patch *(Rhizoctonia solani)*	4.0 – 16.0	0.09 – 0.36	14 to 28	Apply when conditions are favorable for disease development.
Brown Ring Patch / Waitea Patch[**] *(Waitea circinata var. circinata)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Apply when conditions are favorable for disease development.
Cool Weather Brown Patch **Yellow Patch** *(Rhizoctonia cerealis)*	16.0	0.36	28	Make one or two applications in fall or when conditions are favorable for disease development. Curative applications may be made in the spring if disease appears. Curative applications may be made at 8.0 – 16.0 fl oz/A (0.18 – 0.36 fl oz/1,000 sq ft) with a 14 – 28 days application interval.
Dollar Spot* *(Sclerotinia homoeocarpa)*	8.0 – 16.0	0.18 – 0.36	14 to 21	Fame SC provides control of light to moderate dollar spot pressure when used to control other diseases. Under heavy dollar spot pressure or where dollar spot is the only targeted disease use a DMI fungicide (propiconazole, tebuconazole, triadimefon, myclobutanil, etc.) labeled for control of Dollar Spot in tank-mix or in alternation with Fame SC applications.
Fairy Ring *(Basidiomycete fungi)*	12.0 - 16.0	0.28 - 0.36	21 to 28	Apply as soon as fairy ring symptoms develop. Apply in 4 gallons of water per 1,000 sq ft or irrigate after application with ¼ inch water. A wetting agent may facilitate penetration.
Gray Leaf Spot* *(Pyricularia grisea)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Begin applications before disease is present. Under heavy disease pressure tank-mix with another product labeled for control of Gray Leaf Spot.
Leaf Spot *(Bipolaris sorokiniana)*	8.0 – 16.0	0.18 – 0.36	14 to 21	Apply when conditions are favorable for disease development.
Melting Out *(Drechslera poae)*	8.0 – 16.0	0.18 – 0.36	14 to 21	Apply when conditions are favorable for disease development.
Microdochium (Fusarium) Patch *(Microdochium nivale)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Use preventively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Necrotic Ring Spot** *(Leptospheria korrae)*	12.0 – 16.0	0.27 – 0.36	14 to 28	Apply when conditions are favorable for disease development.
Pink Patch *(Limonomyces roseipellis)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Apply when conditions are favorable for disease development.
Powdery Mildew *(Erysiphe graminis)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Apply at first sign of infection. Repeat as necessary.
Pythium Blight * *(Pythium aphanidermatum)*	8.0 – 16.0	0.18 – 0.36	7 to 14	Use preventively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. During periods of prolonged favorable conditions, treat on the 14-day application interval. When conditions are favorable for heavy Pythium Blight pressure use Fame SC in combination with another product registered for Pythium Blight control.
Pythium Root Dysfunction *(Pythium volutum)*	12.0 – 16.0	0.27 – 0.36	14 to 28	Apply when conditions are favorable for disease development (when mean daily soil temperatures are between 50° F and 75° F)
Pythium Root Rot *(Pythium spp.)*	8.0 – 16.0	0.18 – 0.36	7 to 10	Apply when conditions are favorable for disease development.
Pythium Damping Off *(Pythium spp.)*	8.0 – 16.0	0.18 – 0.36	7 to 10	Apply uniformly to the seed bed before, during or just after seeding. Lightly irrigate after application. Repeat application if conditions remain favorable for disease.
Red Thread *(Laetisaria fuciformis)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Apply when conditions are favorable for disease development.
Rust *(Puccinia spp.)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Apply at the first sign of infection or when conditions are favorable for disease development. Repeat as necessary.
Snow Mold, Pink *(Microdochium nivale)*	16.0	0.36	28	Apply 1 to 2 applications prior to permanent snow cover. Tank-mix with propiconazole, chlorothalonil or pentachloronitrobenzene at labeled rates.
Snow Mold, Typhula Blight *(Typhula incarnata)*	8.0	0.18	28	
Southern Blight *(Sclerotium rolfsii)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Apply when conditions are favorable for disease development.
Spring Dead Spot *(Leptosphaeria korrae)* or *(Gaeumannomyces graminis var. graminis)* or *(Ophiosphaerella herpotricha)*	16.0	0.36	14 to 28	Apply 1 or 2 applications approximately one month prior to bermudagrass dormancy. Apply ¼" to ½" of irrigation after application.
Summer Patch *(Magnaporthe poae)*	8.0 – 16.0	0.18 – 0.36	14 to 28	Start applications in the spring when soil temperatures at 2" depth reach 60 - 65° F or as prescribed by local turf specialists.
Take-All Patch *(Gaeumannomyces graminis var. avenae)*	16.0	0.36	28	Begin applications before disease is present and continue applications while conditions are favorable for disease development. Make two applications in the spring and two applications in the fall.
Zoysia Patch Large Patch of Zoysia (*Rhizoctonia solani* and/or *Gaeumannomyces* spp.)	12.0 - 16.0	0.28 - 0.36	14 to 28	Preventive and Curative: Make 1 – 2 applications in the fall before dormancy. Consult with local turfgrass experts for optimum timing in your area.

** Not for use in California.

*See RESISTANCE MANAGEMENT section when using FAME SC for control of these diseases.

Restrictions

- Do not apply more than 68.4 fl oz (2.13 lb ai) of Fame SC per acre per year, or more than 16 fl oz per acre per application.
- There is a maximum number of 4 applications per season, and a minimum interval of 7 days between applications.

Other Information:

- Under conditions of high disease pressure, use the higher rates, the shortest application interval or both.
- For soil-borne diseases, use sufficient water to move the active ingredient into the crown and upper root zone.

Fame SC Fungicide Rate Conversion Chart for Turf					
Fl oz Product per Acre	Fl oz Product per 1,000 sq ft	Lb ai/A	Coverage of One Container		
			16 fl oz	64 fl oz	1 gal
4.0	0.09	0.12	4.0 A	16 A	32 A
8.0	0.18	0.25	2.0 A	8 A	16 A
12.0	0.28	0.37	1.3 A	5.3 A	10.7 A
16.0	0.36	0.50	1.0 A	4 A	8 A

DIRECTIONS FOR APPLICATION TO ORNAMENTALS

Fame SC may be used for control of certain pathogens causing foliar, root and stem diseases of ornamentals. Applications can be made to plants growing in containers, benches, flats, plugs and beds in greenhouses, shadehouses, outdoor nurseries, field plantings, retails nurseries, interiorscapes, residential, public and commercial landscape areas.

Foliar Application: Apply Fame SC in sufficient water to ensure complete coverage of the target plant. Apply in enough water to wet the leaf surfaces to the point of drip. Repeat applications at specified intervals as long as conditions for disease are favorable. Begin applications prior to disease development and continue throughout the season at specified intervals. Fame SC is most effective when applied preventively before disease is widespread. Do not apply more than 4 applications per year.

Apply Fame SC at use rates of 1 – 4 fl oz/100 gallons every 7 – 28 days. The addition of a non-ionic surfactant at the recommended use rates may enhance coverage on hard-to-wet plant foliage. Under light to moderate disease pressure, use the lower rates (1-2 oz/100 gallons) on a 7 – 14 day interval or the higher rates (3 – 4 oz/100 gallons) on a 14 – 28 day interval. Under environmental conditions which promote severe disease development, use the higher rates (3 – 4 oz/100 gallons) on a 7 – 14 day interval. Use a spray volume of 100 – 400 gallons of solution per acre, depending on the size of the plants.

FMC recommends the use of a Chemical Producers and Distributors Association certified adjuvant.

Drench, Crown and Surface Spray Application: Fame SC may be applied to control soilborne, seedling, and crown diseases of production ornamentals (greenhouse, shadehouse, container grown and field grown) as a preventive, drench, crown or surface spray treatment prior to infection. Good coverage of the pre-infection area (root zone, root ball, crown, etc.) is necessary for satisfactory control. Make applications prior to infection as healthy roots are necessary to optimize product uptake systemic translocation and disease protection.

Fame SC may be applied as drench to container grown ornamentals using 0.15 – 0.6 fl oz/100 gallons of water. Thoroughly wet the root zone of the plants with the solution using up to 1 – 2 pt per sq ft of surface area. If a drench application is not feasible, use 0.4 – 1.6 fl oz/1,000 sq ft of growing area in sufficient water to provide uniform coverage and follow with enough irrigation to completely wet the root zone of the plants. Use of the higher rate drench is limited to one application per year.

Restrictions: Do not apply more than 2.13 lb ai per acre per year.

DIRECTIONS FOR APPLICATION TO ORNAMENTALS

Disease (Pathogen)	Product Rate to Use (fl oz product in 100 gallons of water)	App. Interval (days)	Application Instructions
LEAF BLIGHTS / SPOTS *Ascochyta* spp.**	1-4	7 to 28	
Alternaria Leaf Spot *(Alternaria spp.)*	1-4	7 to 28	
Anthracnose** (*Colletotrichum* spp., *Elsinoe* spp.)	4 - 8	7 to 28	
Cercospora Leaf Spot** (*Cercospora* spp.)	1 - 4	7 to 28	
Downy Mildew** (*Peronospora* spp., *Pseudoperonospora* spp., *Plasmophora* spp., *Bremia* spp.)	1 - 4	7 to 21	
Corynespora spp.**	1 - 4	7 to 28	
Diplocarpon spp.	2 – 4	7 to 21	
Sclerotinia spp.**	2 – 4	7 to 21	
Venturia spp.	1 - 4	7 to 28	
Myrothecium Leaf Spot** (*Myrothecium* spp.)	1 - 4	7 to 28	
Septoria Leaf Spot** (*Septoria* spp.)	1 – 4	7 to 28	
POWDERY MILDEWS *Erysiphe* spp.	1 – 4	7 to 28	Preventive applications only. Do not make more than 2 sequential applications before rotating to another class of fungicides
Microsphaera azalea	1 - 4	7 to 28	
Sphaerotheca pannosa	1 - 4	7 to 28	
Podospaera spp., *Uncinula* spp.	1 - 4	7 to 28	
RUSTS Needle Rust** (*Melampsora* spp.)	1 - 4	7 to 28	
Phragmidium spp.**	1 - 4	7 to 28	
Puccinia spp.	1 - 4	7 to 28	
Uromyces spp.**	1 - 4	7 to 28	
FLOWER BLIGHTS** Anthracnose (*Colletotrichum* spp., *Elsinoe* spp.)	1 - 4	7 to 28	
Botrytis blight (*Botrytis* spp.)	4 – 8	7 to 21	Apply prior to infection.
SHOOT/STEM DISEASES (Crown Spray)** Aerial/Shoot Blight (*Phytophthora* spp.)	1 - 4	7 to 28	
SOILBORNE DISEASES (Crown Spray) Rhizoctonia solani	2 – 4	7 to 21	
Sclerotium rolfsii	2 – 4	7 to 21	
Fusarium spp.	2 – 4	7 to 21	
SOILBORNE DISEASES (Drench or Surface Spray) *Rhizoctonia solani*	0.15 – 0.6	14 to 28	Apply in 1 – 2 pints of solution per sq ft surface area (or enough solution to wet the growing media).
Sclerotium rolfsii **	0.15 – 0.6	14 to 28	Apply in 1 – 2 pints of solution per sq ft surface area (or enough solution to wet the growing media).
Fusarium spp.**	0.15 – 0.6	14 to 28	Apply in 1 – 2 pints of solution per sq ft surface area (or enough solution to wet the growing media).
Phytophthora spp.	0.15 – 0.6	14 to 28	Apply in 1 – 2 pints of solution per sq ft surface area (or enough solution to wet the growing media).

**Not for use in California.

PLANT SAFETY: Fame SC has been shown to be safe when applied to the ornamental plants listed in the table below. However, due to the large number of genera, species and varieties of ornamental and nursery plants, it is impossible to test every variety or cultivar for tolerance to Fame SC. Neither the manufacturer nor the seller has determined whether or not Fame SC can be used safely on genera, species, or varieties of ornamental and nursery plants not specified on this label. The professional user should conduct small scale testing to insure plant safety prior to broad scale commercial use on plant genera and species not listed in this label.

Plants that have been shown to be tolerant to Fame SC	
African Violet	Impatiens, walleriana
Ageratum	Lantana
Angelonia	Lobelia
Argyranthemum	Lupine
Bacopa	Monardia
Begonia	Nemesia
Calibrachoa	Osteospermum
Chrysanthemum	Penta
Coleus	Petunia
Dahlia	Rose
Dianthus	Scaevola
Dogwood	Snapdragon
Geranium	Torenia
Gerbera Daisy	Verbena
Hollyhock	Zinnia
Impatiens, New Guinea	

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. To the extent consistent with applicable law, 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 undernormal 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 permitted by 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 Condition of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

Fame and FMC — Trademarks of FMC Corporation

Foliar·Pak®

14-2-4

GUARANTEED ANALYSIS

Total Nitrogen (N)	14.0%
0.5% Other Water Soluble Nitrogen	
7.0% Urea Nitrogen	
0.5% Nitrate Nitrogen	
6.0% Slowly Availble Water Soluble Nitrogen*	
Available Phosphate (P_2O_5)	2.0%
Soluble Potash (K_2O)	4.0%
Iron (Fe)	0.25%
0.25% Chelated Iron	
Manganese (Mn)	0.25%
0.25% Chelated Manganese	

Derived from: soy protein hydrolysate, urea-triazone solution, low biuret urea, potassium phosphate, potassium nitrate, iron EDTA, manganese EDTA

*Slowly available nitrogen from urea-triazone nitrogen

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 10 lbs (4.5 kg)
pH: 9.1

Net Weight: 24.9 lbs (11.3 kg)

14-2-4

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens	Apply 3.0 to 12.0 fl oz per 1,000 sq ft in enough water to provide sufficient foliar coverage. Repeat application every 7 to 14 days. Transition and warm season turf may require more frequent applications.
Golf Course Tees and Fairways **Sports Turf**	Apply 3.0 to 9.0 fl oz per 1,000 sq ft in enough water for sufficient foliar coverage. Repeat application every 2 to 4 weeks.
Lawns	Apply at 2 to 5 gal per acre in enough water for sufficient foliar coverage. Use the lower rates if daytime temperatures exceed 85°F or if turf is exhibiting symptoms of drought stress.

In Virginia, this lawn fertilizer, which contains phosphorous, is intended only for nonagricultural use on (i) turf during its first growing season, (ii) turf areas being repaired or renovated, and (iii) turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not intended for the routine maintenance of turf.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC.

ENP

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

18-3-4

GUARANTEED ANALYSIS

Total Nitrogen (N) 18.0%
- 6.0% Urea Nitrogen
- 6.0% Nitrate Nitrogen
- 5.5% Ammoniacal Nitrogen
- 0.5% Water Soluble Organic Nitrogen

Available Phosphate (P_2O_5) 3.0%
Soluble Potash (K_2O).....4.0%

Derived from: urea, ammonium nitrate, ammonium phosphate, potassium nitrate, soy protein hydrolysate

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 11 lbs (4.98 kg)
pH: 7.5

Net Weight: 27.5 lbs (12.47 kg)

18-3-4

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens	Apply 3.0 to 12.0 fl oz per 1,000 sq ft in enough water to provide sufficient foliar coverage. Repeat application every 7 to 14 days. Transition and warm season turf may require more frequent applications.
Golf Course Tees and Fairways	Apply at 3.0 to 6.0 fl oz per 1,000 sq ft in 0.5 to 2 gal per 1,000 sq ft of spray solution. Repeat application every 2 to 3 weeks.
Lawns **Athletic Fields**	Apply at 1 to 2 gal per acre in 25 to 88 gal per acre of spray solution. Use the lower rates if daytime temperatures exceed 85°F or if turf is exhibiting symptoms of drought stress.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark of ENP Investments LLC.

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

30-0-0

with Slowly Available Nitrogen

GUARANTEED ANALYSIS

Total Nitrogen (N) 30.0%
12.0% Urea Nitrogen
18.0% Slowly Available Soluble Nitrogen*

Derived from: urea-triazone, methylene urea, urea

*Slowly available nitrogen from methylene ureas and triazone

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 10.5 lbs (4.8 kg)
pH: 9.2

Net Weight: 26.3 lbs (11.9 kg)

30-0-0

with Slowly Available Nitrogen

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations a compatibility test is recommended.

Golf Course Greens and Tees	Apply 3.0 to 6.0 fl oz per 1,000 sq ft in enough water to provide sufficient foliar coverage. Repeat application every 7 to 21 days or as needed.
Fairways, Rough Athletic Fields Lawns	Apply 1.0 to 8.0 gal per acre (3.0 to 24.0 oz per 1,000 sq ft) in enough water to provide sufficient foliar coverage. Repeat application every 14 to 28 days or as needed.
Ornamentals, Trees and Shrubs	Deep root feeding applications may be made at 20 to 83 oz (0.5 to 2.0 lb of N) per 1,000 sq ft. Inject fertilizer solution 8 to 12 inches deep on a grid pattern 2 to 3 feet apart in the area beneath the canopy and one third more area outside the canopy.

Nitrogen per liquid ounce

3 oz / 1000 = 0.07 lb Nitrogen
6 oz / 1000 = 0.14 lb Nitrogen
9 oz / 1000 = 0.21 lb Nitrogen
12 oz / 1000 = 0.28 lb Nitrogen
15 oz / 1000 = 0.36 lb Nitrogen
24 oz / 1000 = 0.57 lb Nitrogen
1 gal / 1000 = 3.09 lb Nitrogen

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC.

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

AminoPrecise®

Amperage

5-0-0

New Formula • Lower Rates

GUARANTEED ANALYSIS

Total Nitrogen (N)	5.0%
2.6% Urea Nitrogen	
2.4% Other Water Soluble Nitrogen	
Sulfur (S)	2.2%
2.2% Combined Sulfur (S)	
Iron (Fe)	2.0%
2.0% Water Soluble Iron (Fe)	
Manganese (Mn)	2.0%
2.0% Water Soluble Manganese (Mn)	
Zinc (Zn)	2.0%
2.0% Water Soluble Zinc (Zn)	

Derived from: soy protein hydrolysate, urea, ferrous sulfate, manganese sulfate, zinc sulfate, molasses

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 11.35 lbs (5.16 kg)
pH: 2.7

Net Weight: 28.3 lbs (12.8 kg)

Amperage

5-0-0

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens and Tees	Apply 1.5 to 3.0 fl oz per 1,000 sq ft in a minimum of 0.5 gal of spray solution per 1,000 sq ft. For poor quality turf, nutrient deficiencies or high stress environments, rates up to 6.0 fl oz per 1,000 sq ft can be applied. Repeat application every 7 to 14 days during periods of active turf growth or increased plant stress.
Golf Course Fairways	Apply 1.5 to 3.0 fl oz per 1,000 sq ft in a minimum of 0.5 gal of spray solution per 1,000 sq ft. For poor quality turf, nutrient deficiencies or high stress environments, rates up to 6.0 fl oz per 1,000 sq ft can be applied. Repeat application every 14 to 28 days during periods of active turf growth or increased plant stress.
Athletic Fields and Lawns	Apply 0.75 to 1.5 fl oz per 1,000 sq ft in a minimum of 0.5 gal of spray solution per 1,000 sq ft. For poor quality turf, nutrient deficiencies or high stress environments, rates up to 6.0 fl oz per 1,000 sq ft can be applied. Repeat application every 14 to 35 days during periods of active turf growth or increased plant stress.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. AminoPrecise® is a registered trademark of ENP Investments LLC.

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Armament® Concentrate

0-0-9

GUARANTEED ANALYSIS

Soluble Potash (K_2O)..... 9.0%

Derived from: potassium acetate

ALSO CONTAINS NON-PLANT FOOD INGREDIENT

38.0% .....Polymer

CONTENTS

2.5 gallons (9.46 liters)
weight / gal at 68°: 10.59 lbs (4.8 kg)
pH: 7.2

Net Weight: 26.5 lbs (12.02 kg)

Armament® Concentrate

0-0-9

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens, Tees, and Fairways **Sports Turf** **Lawns**	For optimal results, apply 10 to 20 fl oz per acre (0.25 to 0.5 fl oz per 1,000 sq ft) monthly for cool season turf; or 15 to 30 fl oz per acre (0.35 to 0.7 fl oz per 1,000 sq ft) for warm season turf. May be tank mixed with other soil applied products. Dries safely on the leaf surface, but for best results water into soil profile as soon as possible.
Ornamentals	Mix 16 to 32 fl oz in 100 gal of water. Spray to the point of runoff or drench into soil.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. Armament® is a registered trademark of ENP Investments LLC.

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Armament® K

0-0-24

GUARANTEED ANALYSIS

Soluble Potash (K_2O)..... 24.0%

Derived from: potassium acetate

CONTENTS

2.5 gallons (9.46 liters)
weight / gal at 68°F: 11 lbs (5 kg)
pH: 8.6

Net Weight: 27.6 lbs (12.5 kg)

Armament® K

0-0-24

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens, Tees, and Fairways Sports Turf	Apply 3.0 to 9.0 fl oz per 1,000 sq ft in 0.5 to 2.0 gal spray solution per 1,000 sq ft. Repeat application every 3 to 6 weeks during the growing season. May be tank mixed with other soil applied products. Dries safely on the leaf surface, but for best results water into soil profile as soon as possible.
Residential and Commercial Lawns	Apply 1.0 to 2.0 gal per acre in 25 to 88 gal per acre of spray solution. Repeat application every 6 to 8 weeks.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. Armament® is a registered trademark of ENP Investments LLC.

ENP

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Armament® P

3-12-2

GUARANTEED ANALYSIS

Total Nitrogen (N) 3.0%
2.5% Ammoniacal Nitrogen
0.5% Nitrate Nitrogen
Available Phosphate (P_2O_5) 12.0%
Soluble Potash (K_2O)..... 2.0%

Derived from: monoammonium phosphate, potassium nitrate

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 10 lbs (4.5 kg)
pH: 5.3

Net Weight: 25 lbs (11.3 kg)

Armament® P

3-12-2

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens, Tees, and Fairways Sports Turf	Apply 3.0 to 9.0 fl oz per 1,000 sq ft in 0.5 to 2.0 gal spray solution per 1,000 sq ft. Repeat application every 3 to 6 weeks during the growing season. May be tank mixed with other soil applied products. Dries safely on the leaf surface, but for best results water into soil profile as soon as possible.
Residential and Commercial Lawns	Apply 1.0 to 2 gal per acre in 25 to 88 gal per acre of spray solution. Repeat application every 6 to 8 weeks.

In Virginia, this lawn fertilizer, which contains phosphorous, is intended only for nonagricultural use on (i) turf during its first growing season, (ii) turf areas being repaired or renovated, and (iii) turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not intended for the routine maintenance of turf.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. Armament® is a registered trademark of ENP Investments LLC.

ENP

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Bio 12-6-6

GUARANTEED ANALYSIS

Total Nitrogen (N)	12.0%
9.0% Other Water Soluble Nitrogen	
3.0% Water Insoluble Nitrogen	
Available Phosphate (P_2O_5)	6.0%
Soluble Potash (K_2O)	6.0%
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Water Soluble Copper (Cu)	
Iron (Fe)	0.10%
0.10% Water Soluble Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Water Soluble Manganese (Mn)	
Zinc (Zn)	0.05%
0.05% Water Soluble Zinc (Zn)	

Derived from: fish solubles, feathermeal and colloidal phosphates, borax, copper glucoheptonates, iron glucoheptonates, manganese glucoheptonates, zinc glucoheptonates

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

4.0%..... Seaweed Extract (Derived from Ascophyllum nodosum (microbe food))
2.0%..... Humic Acid (Derived from Leonardite)

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 10 lbs (4.5 kg)
pH: 7.5

Net Weight: 25 lbs (11.3 kg)

Bio 12-6-6

GENERAL USE GUIDE

F1502

Root Injection	Add 2.5 to 5 gal of 12-6-6 per 100 gal of water. **Equipment:** Standard hydraulic sprayer with either mechanical agitation of high pressure, jet agitation such as with a venture nozzle. Use a standard root feeder probe or spray gun and soil injection needle with at least 4 lateral ports. **Operating Pressure:** 150 to 200 PSI or 1/2 gal per 4 seconds. **TREES:** 25 to 50 gal of liquid suspension per 1,000 sq ft of soil to be treated. Apply 1 to 2 qt of suspension per injection of spacing of 3 ft between injections in a grid under the entire tree canopy. Inject at a depth beginning at 4 inches below the surface through a depth of 12 in maximum. **SHRUBS, VINES, AND BERRIES:** Apply 1.0 to 2.0 pt of suspension per injection on a spacing of 2 ft between injections. Inject at a depth of 4 to 6 inches (For small shrubbery, drench soil using standard spray gun with disc removed. Apply 1/4 gal per 10 sq ft of root area.)
Soil Drench	**PERENNIALS, ANNUALS, AND SHRUBS:** Add 1.0 to 2.0 fl oz per 1 gal of water. Apply directly to soil every 2 to 4 weeks. Never over fertilize.
Foliar Application	**FLOWERS, PERENNIALS, AND ANNUALS:** Add 2.0 to 4.0 fl oz per 1 gal of water. Apply directly to leaves every 3 weeks prior to bloom and then every 2 to 4 weeks **TURFGRASS:** Apply 6.0 to 9.0 fl oz per 1,000 sq ft. May be used as a foliar or soil applied product. Apply every 2 to 4 weeks or as needed in order to provide desired color response.

In Virginia, this lawn fertilizer, which contains phosphorous, is intended only for nonagricultural use on (i) turf during its first growing season, (ii) turf areas being repaired or renovated, and (iii) turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not intended for the routine maintenance of turf.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.
This product is not intended for use on food crop sites.
Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.htm

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.
Foliar-Pak® is a registered trademark used under license by ENP Investments LLC.

ENP

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Carbosential® Fe *Turbo*

0.30-0-0

GUARANTEED ANALYSIS

Total Nitrogen (N)	0.30%
0.30% Water Soluble Nitrogen	
Iron (Fe)	5.0%
5.0% Water Soluble Iron (Fe)	

Derived from: soy protein hydrolysates, iron polysaccharide

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 10.1 lbs (4.6 kg)
pH: 4.7

Net Weight: 25.3 lbs (11.5 kg)

Carbosential® Fe *Turbo*

0.30-0-0

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens	Apply 10 to 14 fl oz per acre in 30 to 90 gal water. Repeat application every 10 to 14 days.
Golf Course Fairways and Tees Athletic Fields	Apply 10 to 14 fl oz per acre in 30 to 90 gal water. Repeat application every 14 to 28 days.
Lawns	Apply 16 to 24 fl oz per acre in 30 to 90 gal water. Repeat application every 4 to 6 weeks.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. Carbosential® is a registered trademark of ENP Investments LLC.

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Colonise® Bio

2-0-0

with **Armament® • AminoPrecise® • Colonise®**

GUARANTEED ANALYSIS

Total Nitrogen (N) 2.0%
2.0% Water Soluble Nitrogen
Derived from: soy protein hydrolysate

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

13%..... Polymer

(1) BACTERIA: Bacillus licheniformis: 1,100,000 cfu/ml; Bacillus pasteurii: 1,100,000 cfu/ml; Bacillus subtilis: 1,100,000 cfu/ml; Paenibacillus azotofixans: 1,100,000 cfu/ml
(2) ENDO MYCORRHIZAE: Glomus intraradices: 1.1 prop/ml; Glomus mosseae: 1.1 prop/ml; Glomus aggregatum: 1.1 prop/ml; Glomus monosporum: 0.055 prop/ml; Gigaspora margarita: 0.055 prop/ml
(3) ECTO MYCORRHIZAE: Rhizopogon luteolus: 57,400 prop/ml; Pisolithus tinctorius: 343,750 prop/ml; Laccaria bicolor: 22,962 prop/ml; Laccaria laccata: 22,962 prop/ml

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 8.8 lbs (4 kg)
pH: 6.2

Net Weight: 22 lbs (10 kg)

Colonise® Bio

2-0-0

for Golf Course Greens, Tees and Fairways

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended. Shake well.

Golf Course Greens and Tees	Apply 6.0 fl oz per 1,000 sq ft in enough water to provide sufficient foliar coverage. Reapply monthly at 3.0 fl oz per 1,000 sq ft during the growing season.
Golf Course Fairways	Apply 3.0 fl oz per 1,000 sq ft monthly during the growing season.

EXPIRATION DATE: XX/2019

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. AminoPrecise®, Armament®, and Colonise ® are registered trademarks of ENP Investments LLC.

ENP

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

AminoPrecise®

CSi L

2-0-0

with 25% Si

GUARANTEED ANALYSIS

Total Nitrogen (N) 2.0%

2.0% Water Soluble Nitrogen

Derived from: soy protein hydrolysate

ALSO CONTAINS NON-PLANT FOOD INGREDIENT

25%.....Silicon Dioxide (SiO_2) (Derived from Colloidal Silica)

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 10.2 lbs (4.6 kg)
pH: 8.5

Net Weight: 25.5 lbs (11.6 kg)

CSi L

2-0-0

with 25% Si

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens, Tees and Fairways **Athletic Fields**	Apply 0.5 to 2.0 fl oz per 1,000 sq ft in enough water to provide sufficient foliar coverage. Repeat application every 7 to 21 days. Warm season turf may require more frequent applications.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. AminoPrecise® is a registered trademark of ENP Investments LLC.

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Foundation Forty

4-0-8

GUARANTEED ANALYSIS

Total Nitrogen (N) 4.0%
4.0% Water Soluble Nitrogen
Soluble Potash (K_2O)..... 8.0%

Derived from: soy protein hydrolysate, potassium acetate

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 12.4 lbs (5.6 kg)
pH: 10.2

Net Weight: 31.1 lbs (14.1 kg)

Foundation Forty

4-0-8

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens and Tees	**Maintenance Applications:** Apply 0.5 to 1.5 fl oz per 1,000 sq ft every 7 to 14 days. **Turf Recovery or Intense Stress:** Apply 1.5 to 3.0 fl oz per 1,000 sq ft every 7 to 14 days until turf sufficiently recovers.
Fairways Sports Turf	Apply 0.5 to 1.5 fl oz per 1,000 sq ft. Tank mix with other fertilizers and pesticides for increased absorption and better turf quality. Repeat applications every 14 to 28 days.
Professional Lawn Care	Apply 0.5 to 1.5 fl oz per 1,000 sq ft. Tank mix with other fertilizers and pesticides for increased absorption and better turf quality. Repeat applications every 30 to 45 days.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC.

ENP

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

AminoPrecise®

Gold Standard 45

10-0-0

GUARANTEED ANALYSIS

Total Nitrogen (N) 10.0%
10.0% Water Soluble Nitrogen

Derived from: L-arginine

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 11.2 lbs (5.1 kg)
pH: 4.0

Patent Pending

Net Weight: 28 lbs (12.7 kg)

Gold Standard 45

10-0-0

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended.

Golf Course Greens, Tees, Fairways **Sports Turf** **Lawns**	Apply 0.5 to 2.0 fl oz per 1,000 sq ft in enough water to provide sufficient foliar coverage. Repeat every 7 to 21 days or as needed.
Ornamentals	Use 64.0 to 128.0 fl oz per 100 gallons of water. **Bedding Plants and Hanging Baskets:** Drench 1 gal of finished solution per 20 sq ft of planted area (do not treat the general bed space). Treat each annual plant as if it covers 1 sq ft. For optimum results, fertilize every 2 weeks. **Shrubs and Trees:** Drench 1 gal of finished solution per 1" diameter of tree or shrub. In areas where turf is present, inject the solution into the soil.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

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

This product is not intended for use on food crop sites.

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. AminoPrecise® is a registered trademark of ENP Investments LLC.

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Grow-In®

8-4-5

with **Armament®** • **AminoPrecise®** • **Colonise®**

GUARANTEED ANALYSIS

Total Nitrogen (N)	8.0%
5.8% Urea Nitrogen	
1.0% Other Water Soluble Nitrogen	
1.2% Slowly Available Water Soluble Nitrogen*	
Available Phosphate (P_2O_5)	4.0%
Soluble Potash (K_2O)	5.0%
Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Chelated Copper	
Iron (Fe)	0.25%
0.25% Chelated Iron	
Manganese (Mn)	0.15%
0.15% Chelated Manganese	
Zinc (Zn)	0.07%
0.07% Chelated Zinc	

Derived from: urea, soy protein hydrolysate, urea-triazone, potassium phosphate, sodium borate, copper EDTA, iron DTPA, manganese EDTA, zinc EDTA

*1.2% slowly available nitrogen from urea-triazone nitrogen

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

0.5%.....Humic Acid (derived from leonardite)
0.5%.....Seaweed Extract (derived from Ascophyllum nodosum (microbe food))
3.2%..... Polyoxypropylene-Polyoxyethylene block copolymer
4.3%..... Polymer

BACTERIA: Bacillus licheniformis: 1,000,000 cfu/ml; Bacillus pasteurii: 1,000,000 cfu/ml; Bacillus subtilis: 1,000,000 cfu/ml; Paenibacillus azotofixans: 1,000,000 cfu/ml

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 10 lbs (4.5 kg)
pH: 8.2

Net Weight: 25.1 lbs (11.4 kg)

Grow-In®

8-4-5

GENERAL USE GUIDE

F1502

Use to expedite the grow-in and establishment process for any turfgrass stand, to maintain turf vigor, or to aid in recovery when turf has been subjected to extreme stress and traffic. This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended. Shake well.

Golf Course Greens, Tees and Fairways Sports Turf Lawns	**Turfgrass Grow-In:** Apply 9.0 to 12.0 fl oz per 1,000 sq ft in enough water to provide sufficient foliar coverage. Apply every 7 to 14 days. Higher rates can be used when soil nutrients are limited by reduced granular application. Can be tank mixed with other nutrients, control products or growth regulators. **Maintenance:** Apply 6.0 to 15.0 fl oz per 1,000 sq ft. Programs supplying limited granular inputs require higher rates. Apply every 14 to 28 days.
Hydro-Mulch Seeding	Mix 9.0 to 12.0 fl oz into seeding tank with appropriate volume of water to treat 1,000 sq ft**.**
Trees and Ornamentals	Use 2 gal Foliar-Pak Grow-In per 100 gallons of water. **Bedding Plants and Hanging Baskets:** Drench 1 gal of finished solution per 20 sq ft of planted area (do not treat the general bed space). Treat each annual plant as if it covers 1 sq ft. For optimum results, fertilize every 2 weeks. **Shrubs and Trees:** Drench 1 gal of finished solution per 1" diameter of tree or shrub. In areas where turf is present, inject the solution into the soil.

In Virginia, this lawn fertilizer, which contains phosphorous, is intended only for nonagricultural use on (i) turf during its first growing season, (ii) turf areas being repaired or renovated, and (iii) turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not intended for the routine maintenance of turf.

EXPIRATION DATE: XX/2019

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

This product is not intended for use on food crop sites.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. AminoPrecise®, Armament®, and Colonise® are registered trademarks of ENP Investments LLC. Grow-In® is a registered trademark of Lebanon Seaboard Corporation.

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Play-On®

7-0-7

with **Armament®** • **AminoPrecise®**

GUARANTEED ANALYSIS

Total Nitrogen (N)	7.0%
2.0% Urea Nitrogen	
2.5% Water Soluble Nitrogen	
2.5% Slowly Available Water Soluble Nitrogen*	
Soluble Potash (K_2O)	7.0%
Magnesium (Mg)	0.5%
Boron (B)	0.05%
Copper (Cu)	0.1%
0.1% Chelated Copper	
Iron (Fe)	0.35%
0.35% Chelated Iron	
Manganese (Mn)	0.30%
0.30% Chelated Manganese	
Zinc (Zn)	0.15%
0.15% Chelated Zinc	

Derived from: urea, soy protein hydrolysate, urea-triazone, potassium acetate, magnesium hydroxide, boric acid, copper EDTA, iron EDTA, manganese EDTA, zinc EDTA

*2.5% slowly available nitrogen from urea-triazone nitrogen

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

3%..... Polymer

CONTENTS

2.5 gallons (9.46 liters)
weight / gal at 68 °F: 10.4 lbs (4.7 kg)
pH: 7.6

Net Weight: 26 lbs (11.8 kg)

Play-On™

7-0-7

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended. Shake well.

Sports Turf	Apply 7.0 to 15.0 fl oz per 1,000 ft sq in enough water to provide sufficient foliar coverage. Apply every 7 to 21 days, or as needed. Can be tank mixed with other nutrients, control products or growth regulators.
Trees and Ornamentals	Use 2 gal Foliar-Pak Play-On per 100 gallons of water. **Bedding Plants and Hanging Baskets:** Drench 1 gal of finished solution per 20 sq ft of planted area (do not treat the general bed space). Treat each annual plant as if it covers 1 sq ft. For optimum results, fertilize every 2 weeks. **Shrubs and Trees:** Drench 1 gal of finished solution per 1" diameter of tree or shrub. In areas where turf is present, inject the solution into the soil.

EXPIRATION DATE: XX/2019

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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/GARDEN, AND SWEEP ANY PRODUCT THAT LANDS ON THE DRIVEWAY, SIDEWALK, OR STREET, BACK ONTO YOUR LAWN/GARDEN.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC. Armament® is a registered trademark of ENP Investments LLC. AminoPrecise and Colonise are trademarks of ENP Investments LLC.

ENP

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

Foliar·Pak®

Promote

4-0-1

GUARANTEED ANALYSIS

Total Nitrogen (N)	4.0%
3.25% Urea Nitrogen	
0.75% Nitrate Nitrogen	
Soluble Potash (K_2O)	1.0%
Iron (Fe)	0.5%
0.5% Chelated Iron	
Manganese (Mn)	0.4%
0.4% Chelated Manganese	

Derived from: urea, potassium nitrate, iron EDTA, manganese EDTA

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

4.0%.....Humic Acid (Derived from Leonardite)
20.0%.....Polyoxypropylene-Polyoxyethylene block copolymer
4.0%.....Seaweed Extract (Derived from Ascophyllum nodosum (microbe food))

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 9 lbs (4.1 kg)
pH: 6.5

Net Weight: 22.6 lbs (10.3 kg)

Promote

4-0-1

GENERAL USE GUIDE

F1502

This product is tank mix compatible with most fertilizers and pesticides. However, due to variability in water sources and pesticide formulations, a compatibility test is recommended. Shake well.

Golf Course	**Green and Tees:** Apply 2.0 to 4.0 fl oz per 1,000 sq ft. Repeat application every 7 to 14 days. Irrigate into root zone within 24 to 48 hours for best result. **Fairways:** Apply 3.0 to 6.0 fl oz per 1,000 sq ft. Repeat application every 2 to 4 weeks. Irrigate into root zone within 24 to 48 hours for best result. **High Stress Areas:** Apply 6.0 to 12.0 fl oz per 1,000 sq ft. Irrigate enough to ensure 1" of penetration into root zone. Repeat application every 2 to 4 weeks, or as conditions warrant.
Professional Lawn Care	**Newly Seeded Lawns:** Apply 6.0 fl oz per 1,000 sq ft. Use sufficient water for uniform coverage. Repeat application after germination to encourage deeper root formation. **Established Lawns:** Apply 3.0 to 6.0 fl oz per 1,000 sq ft. Repeat application at 3.0 fl oz per 1,000 sq ft monthly during growing season. **Hydro Seeding:** Apply 6.0 fl oz per 1,000 sq ft or 2 gal per acre at seeding. Repeat application after germination to encourage deeper root formation.
Sod Farms	**Sod Installation:** Apply 1 to 2 gal per acre. Repeat application monthly throughout the growing season. **Sod Farms:** Apply 1 gal per acre after seeding. Application at 1 gal per acre prior to cutting reduces shipping stress.
Trees and Ornamental	**Annuals, Perennials, and Ornamentals:** Spray soil and plants with a solution of 1 to 2 tsp per gal of water. Water plants thoroughly after application. **Planting Trees and Shrubs:** Use 1 or 2 qt per 100 gal of water. Apply as a soil drench 2 to 5 gal per plant. May repeat in 30 days. **Feeding Trees and Shrubs (Injection):** Use 1 to 2 qt per 100 gal of water. Inject over 3,000 sq ft area. **Soil Drench and Transplants:** Apply 2.5 to 5.0 fl oz per gal of water. Thoroughly drench area.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

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

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

Foliar-Pak® is a registered trademark used under license by ENP Investments LLC.

ENP

MANUFACTURED AND GUARANTEED BY

ENP Investments, LLC
P.O. Box 618, 347 N 43rd Road
Mendota, IL 61342
815.539.7471 • foliarpak.com

HYDROPAK®

AQUEOUS

CONTAINS NON-PLANT FOOD INGREDIENT(S)

ACTIVE INGREDIENTS

Proprietary blend of alkyl polyglucoside esters and salts of carboxylic acid	22.90%
Inert Ingredients & formulation aids	77.10%

CONTENTS

2.5 gallons (9.46 liters)

HYDROPAK

AQUEOUS

DIRECTIONS FOR USE

Aqueous reduces the surface tension of water and improves the penetration of rainfall and irrigation into the root zone. Aqueous also addresses water quality issues. Always mix and apply Aqueous in accordance with label instructions.

Injection	Inject 32 fl oz (946 mL) of Aqueous per one acre (.40 ha) of turfgrass or ornamentals. Monitor results to determine water infiltration and adjust rate, up or down, in 2 fl oz (59 mL) per acre (.40 ha) increments, until desired level of performance is achieved.
Spray Application	Spray 32 fl oz (946 mL) of Aqueous in a minimum of 60 gallons (227 L) of water to treat one acre (.40 ha) of turfgrass or ornamentals.
Spray Conditioner	Mix at a rate of .1 to 2 quarts per 100 gallons of spray solution. Conduct a compatibility test with all tank mix partners prior to the application. Prior to using Aqueous as a water conditioner, read and follow the label directions of all tank mix partners.
Application Interval	Use Aqueous monthly throughout the growing season. The application interval may be adjusted as needed.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

WARNING

PRECAUTIONARY STATEMENTS



Harmful if swallowed. Causes skin irritation and serious eye irritation. May be harmful if inhaled. If medical advice is needed, have product container or label at hand. Read label before use. Avoid breathing mist, vapors and spray. Wash protective equipment and work clothes thoroughly after handling. Use only outdoors or in a well–ventilated area. Wear personal protective equipment. Specific treatment is given in the First Aid section on this label or on the SDS.

FIRST AID

If Swallowed: Call a POISON CENTER/doctor or Chemtrec if person feels unwell. Rinse mouth. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything to an unconscious person.

If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

If On Skin: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention. Treat symptomatically. Take off contaminated clothing and wash it before reuse.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER/doctor or Chemtrec if person feels unwell.

Do not store in temperatures below 40°F.

Note: Before buying or using this product, read the directions for use and the following conditions for sale and limitations of warranty and liability. By buying or using this product, the buyer or user, accepts the following conditions of sale. The seller of this product 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 the product is used in accordance with such directions for use under normal conditions.

Seller makes no warranty, express or implied, including, but not limited to, merchantability or fitness for a particular purpose. The buyers or users exclusive remedy for any injury, loss, or damage resulting from the handling or use of this product shall be limited to one of the following: direct damages not exceeding the purchase price of the product or replacement of the product. Seller shall not be liable to the buyer or user of this product for any consequential, special, or indirect damages, or damages in the nature of a penalty.

HydroPak® is a registered trademark of ENP Investments LLC.

Consult the SDS for more information.

TECHNOLOGY POWERED BY

PRECISION LABORATORIES

Results.Expect it.

MANUFACTURED FOR ENP INVESTMENTS, LLC BY

Precision Laboratories, LLC
1429 S. Shields Dr.
Waukegan, IL 60085
800.323.6280 • precisionlab.com

HYDROPAK

COMMAND

Organic Acid Penetrant

PRIMARY FUNCTIONING AGENTS

Proprietary Blend of Polymeric Surfactants	55.0%
Carboxylic Acids	15.0%
Inert Ingredients	30.0%

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 8.5 lbs
pH: 7.1

Net Weight: 21.2 lbs

F1502

HYDROPAK

COMMAND

GENERAL USE GUIDE

Golf Course Turf Athletic Fields Lawns	Apply 16 to 32 fl oz per acre in 20 to 80 gallons of water. Rates may need to be adjusted up or down until desired performance is achieved. Irrigation soon after application may be advised to move product into the root zone.
Flushing of Salts and Bicarbonate Formations	Apply 2.0 to 4.0 quarts per acre in 20 to 80 gallons of water. Follow with heavy irrigation cycle to move water through the soil profile past root zone.
Injection Systems	Inject 20 fl oz per acre in sufficient water to treat one acre of land. Reapplication may be needed every 3 to 5 weeks to achieve desired performance.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

HYDROPAK

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

MANUFACTURED BY
ENP Investments, LLC
P.O. Box 618, 2001 W. Main St.
Mendota, IL 61342
800.255.4906

HYDROPAK®

INFILTRIP

CONTAINS NON-PLANT FOOD INGREDIENT(S)

ACTIVE INGREDIENTS

Proprietary blend of oxirane, methyl-, polymer with oxirane, alkylpolyglucoside esters and dioctyl sulfocuccinate sodium 52.15%
Water and glycol.....47.85%

CONTENTS

2.5 gallons (9.46 liters)

HYDROPAK

INFILTRIP

DIRECTIONS FOR USE

Infiltrip is a combination of surfactants designed to increase the movement of irrigation and rainwater into and throughout the root zone of natural turf playing surfaces. Always mix and apply Infiltrip in accordance with label instructions.

Spray Application	Apply Infiltrip at the rate of 2.5 to 5 fl oz (74 to 148 mL) in a minimum of 1 gallon (3.79 L) of water per 1,000 sq ft (92.9 m^2) of turfgrass.
Injection	Apply 32 fl oz (946 mL) in a water volume sufficient to treat one acre (.40 ha). Monitor and adjust rate until the desired level of performance is achieved.
Drench	Dilute 8 to 16 fl oz (237 to 474 mL) in 100 gallons (279 L) of water and apply as a drench application.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

WARNING

PRECAUTIONARY STATEMENTS



Harmful if swallowed. Causes skin irritation and serious eye irritation. May be harmful if inhaled. If medical advice is needed, have product container or label at hand. Read label before use. Avoid breathing mist, vapors and spray. Wash protective equipment and work clothes thoroughly after handling. Use only outdoors or in a well–ventilated area. Wear personal protective equipment. Specific treatment is given in the First Aid section on this label or on the SDS.

FIRST AID

If Swallowed: Call a POISON CENTER/doctor or Chemtrec if person feels unwell. Rinse mouth. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything to an unconscious person.

If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

If On Skin: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention. Treat symptomatically. Take off contaminated clothing and wash it before reuse.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER/doctor or Chemtrec if person feels unwell.

Do not store in temperatures below 40°F.

Note: Before buying or using this product, read the directions for use and the following conditions for sale and limitations of warranty and liability. By buying or using this product, the buyer or user, accepts the following conditions of sale. The seller of this product 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 the product is used in accordance with such directions for use under normal conditions.

Seller makes no warranty, express or implied, including, but not limited to, merchantability or fitness for a particular purpose. The buyers or users exclusive remedy for any injury, loss, or damage resulting from the handling or use of this product shall be limited to one of the following: direct damages not exceeding the purchase price of the product or replacement of the product. Seller shall not be liable to the buyer or user of this product for any consequential, special, or indirect damages, or damages in the nature of a penalty.

HydroPak® is a registered trademark of ENP Investments LLC.

Consult the SDS for more information.

TECHNOLOGY POWERED BY

PRECISION LABORATORIES

Results.Expect it.

MANUFACTURED FOR ENP INVESTMENTS, LLC BY

Precision Laboratories, LLC
1429 S. Shields Dr.
Waukegan, IL 60085
800.323.6280 • precisionlab.com

HYDROPAK

MATADOR

Matrix Active Soil Surfactant

PRIMARY FUNCTIONING AGENT

Blend of Alkyl Block Co-Polymers 100.0%

CONTENTS

2.5 gallons (9.46 liters)
weight / gal: 8.5 lbs
pH: 7.5

Net Weight: 21.2 lbs

F1502

HYDROPAK

MATADOR

GENERAL USE GUIDE

This product can be mixed with liquid fertilizers and other surfactants. Always perform a compatibility test before tank mixing.

Curative Application: Golf Course Greens, Tees, & Fairways	Apply 6.0 fl oz in 1 to 2 gallon of water per 1,000 sq ft. Water in with sufficient irrigation to move product well into the root zone. Follow up application should be made on 4 week intervals (see Turf Maintenance Rates below).
Turf Maintenance Rates: Golf Course Greens, Tees & Fairways	Apply 2.0 fl oz per 1,000 sq ft every 2 weeks or apply 4.0 fl oz per 1,000 sq ft every 4 weeks. Rates or intervals may have to be adjusted depending on soil and environmental conditions.
Professional Lawn Care Athletic Fields Sod Installation	Apply 2.0 to 4.0 quarts per acre. Repeat every 4 to 8 weeks during the growing season. Rates and spray intervals will vary according to soil and environmental conditions.
Sod Pre Cutting	Apply 1 to 2 gallon per acre using 50 to 100 gallons of water per acre 2 to 3 weeks before cutting. Water in application with at least 1 inch of water.
Spreader/Activator	Apply 2.0 to 4.0 fl oz per 100 gallons of spray mixture. In difficult wetting situations such as hard water, the addition of a pH reducing agent is recommended.

KEEP OUT OF REACH OF CHILDREN AND STORE MATERIALS IN CLEARLY MARKED CONTAINERS

Do not store in temperatures below 40°F.

NOTICE: ENP Investments LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. ENP Investments LLC will not be responsible for incidental or consequential damage resulting from the use of this product contrary to instructions or under abnormal conditions or under conditions not reasonably foreseeable to ENP Investments LLC.

HYDROPAK

MANUFACTURED BY

ENP Investments, LLC
P.O. Box 618, 2001 W. Main St.
Mendota, IL 61342
800.255.4906

KNOCKDOWN™

Antifoaming Agent / Defoaming Agent

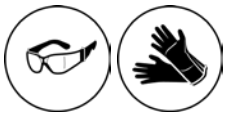
PRINCIPAL FUNCTIONING AGENTS

Dimethylpolysiloxane	10%
Constituents Ineffective As Spray Adjuvants	90%
TOTAL	100%

All ingredients are approved for use under 40 CFR 180
CA Reg. No. 9349-50021-AA
WA Reg. No. 9349-18001

KEEP OUT OF REACH OF CHILDREN
WARNING
PRECAUTIONARY STATEMENTS
Causes eye irritation. If medical advice is needed, have product container or label at hand. Read label before use. Wash protective equipment and work clothes thoroughly after handling. Specific treatment is given in the First Aid section on this label or on the SDS.

PERSONAL PROTECTIVE EQUIPMENT (PPE)



Applicators and other handlers of this product should wear protective eyewear and chemical resistant gloves. Consult the SDS for further information.

FIRST AID

If In Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

If Swallowed: Rinse mouth. 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.

If On Skin: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention.

If Inhaled: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

GENERAL INFORMATION
KNOCKDOWN is formulated to quickly defoam spray solutions containing silicone surfactant, nonionic surfactants or crop oil concentrates.

DIRECTIONS FOR USE
The addition of adjuvants to some pesticides and / or fertilizers and their tank mixes may cause phytotoxicity to the foliage and / or fruit of desirable crops. Before using KNOCKDOWN, the applicator or crops advisor must have experience with the pesticide combination, including KNOCKDOWN, or must have conducted a phytotoxicity test.

FOR USE WITH CROP PROTECTION PRODUCTS, PLANT GROWTH REGULATORS AND FERTILIZERS REGISTERED FOR CROPS, ORNAMENTALS AND OTHER APPROPRIATE USES. NOT FOR AQUATIC USE.

SHAKE WELL BEFORE USE

KNOCKDOWN can be used as an antifoam or general defoamer.

Antifoam — Use KNOCKDOWN to prevent foam formation by adding it to the spray solution first, while agitating, and before adding pesticides.

General Defoamer — Use KNOCKDOWN as a general defoamer by adding it to the spray solution during agitation while foam formation is active.

USE RATES AND MIXING

Method	Use Rate Per 100 gal. Solution
Antifoam	1–6 ounces
General Defoamer	2–8 ounces

MIXING
In the absence of specific mixing instructions found on the pesticide label, fill the spray tank with at least 50% of the desired finished carrier volume. When premixing in a mixing vessel or inductor, fill with at least 20% of the desired finished carrier volume. While the carrier is agitating, add tank mix ingredients in the following order:

1. Compatibility agent and/or antifoam, if needed
2. AMS, dry formulations (WP, DF, WDG, SP), and dry drift retardants
3. Dry soluble and suspension fertilizers / micronutrients
4. Liquid drift retardants and flowable formulations (F & FL)
5. Liquid concentrates, suspension concentrates, microencapsulated and capsule suspension (LC, SC, ME, CS)
6. Emulsifiable concentrates (E, EL or EC)
7. Solutions and soluble liquids (S or SL)
8. Liquid micronutrients and fertilizers
9. Water conditioners and other adjuvants (COC, HSOC, MSO, NIS)
10. Finish filling to desired spray volume level and continue agitation

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 cleaning equipment or disposing of equipment wash waters.

STORAGE AND DISPOSAL
Protect product from freezing. *If product freezes, warm to room temperature and agitate before use.* Keep containers sealed when not in use. Store in original container only. Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at www.acrecycle.org. Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations.

CONDITIONS OF SALE
Note: Read the information contained herein before buying or using this product. If the stated terms are not acceptable, return the product at once, unopened. It is critical that this product be used and mixed only as specified on this label. Neither the manufacturer nor the seller makes any representation or warranty, expressed or implied, with respect to the results from the use of this material. Buyer and user assume all risks of use and/or handling. Precision Laboratories, LLC warrants that this material is reasonably fit for use as specified on this label. No agent or representative is authorized to make any other representations concerning this material. Unforeseen factors beyond Precision's control prevent elimination of risks in connection with the use of its chemicals. Such risks include, but are not limited to, damage to plants and/or crops to which the material is applied, or lack of complete control and damage caused by drift to other plants or crops. Such risks may occur even though the product is reasonably fit for use as stated herein and even though label directions are followed. Follow directions carefully. Timing, mixture, method of application, weather and other conditions are influencing factors in the use of this product and are beyond the control of the seller. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the company or any other seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.

S P E C I M E N L A B E L

Knockdown is a trademark of Precision Laboratories, LLC
© PRECISION LABORATORIES, LLC, Waukegan, IL 60085 USA
For 24-hour technical assistance when using this product in the USA and Canada, call: 1-800-323-8351
For 24-hour emergency service when using this product in the USA and Canada, call CHEMTREC: 1-800-424-9300
10/17

1429 S. Shields Dr., Waukegan, IL 60085
Phone: (847) 596-3001 Fax: (847) 596-3017
Customer Service: (800) 323-6280
E-Mail: info@precisonlab.com
Web Site: www.precisionlab.com

Emerald®

FUNGICIDE

GROUP	29	FUNGICIDE

Active Constituent: **500g/L FLUAZINAM**
Poison Schedule: **S6 (POISON)**
APVMA Approval No: **85383**

Situations: Turf including Bowling Greens, Fairways, Golf Greens, Racetracks and Sports Fields and Tees
Controls/Supresses: Dollar Spot, Helminthosporium Disease and Grey Leaf Spot For the control of Dollar spot, Helminthosporium Disease, Anthracnose and Grey Leaf Spot

Pack Size:
1L (6 x 1L per carton)

Dangerous Goods Class:
Not classified as a dangerous good under the Australian Code for Transport and Storage of Dangerous Goods in Australia.

DIRECTIONS FOR USE
RESTRAINTS
For PROFESSIONAL use only.
DO NOT apply Emerald® to home lawns (turf) or any other residential turf.
DO NOT apply by aircraft.
DO NOT apply Emerald® through any type of irrigation system or ultra-low volume spray system.
DO NOT apply Emerald® using handwand or backpack.

SPRAY DRIFT RESTRAINTS
Specific definitions for terms used in this section of the label can be found at pvma.gov.au/spraydrift.
DO NOT allow bystanders to come into contact with the spray cloud.
DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone tables below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.
DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.
DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:
• Spray droplets are not smaller than a COARSE spray droplet size category.
• Minimum distances between the application site and downwind sensitive areas are observed (see the 'Mandatory downwind buffer zone' section of the following table titled 'Buffer zones for boom sprayers').

Buffer zones for boom sprayers	
Application rate	Mandatory downwind buffer zones
	Natural aquatic areas
Up to maximum label rate	100 metres

Emerald®

Situtation	Diseases Controlled	Rate	Critical Comments
Turf including but not limited to bowling greens, fairways, golf greens, racetracks, sports fields and tees	Dollar Spot (*Sclerotinia homeocarpa*) Helminthosporium Disease (*Bipolaris spp*., Drechslera spp. and *Exserohilum* spp.) Grey Leaf Spot (*Pyricularia grisea*) Anthracnose (*Colletotrichum graminicola*)	1-1.5L/ha	Emerald should be applied as a preventative treatment. Spray when conditions are favourable for disease development and/or as soon as possible after first symptoms are detected. Make a second application 7 to 14 days later if conditions continue to favour disease development. Use rates towards the higher end of the range and shorten intervals. DO NOT mow or water treated area until turf or lawn is thoroughly dry, ideally allow 24 hours.
	Algae		Repeat applications at 7 to 14 day interval if conditions favour disease development. Use rates towards the higher end of the range and shorten intervals when there is high disease pressure. DO NOT mow or water treated area until turf or lawn is thoroughly dry, ideally allow 24 hours.
	Pythium spp		EMERALD® should be applied in a preventative or early curative program with 2 to 4 fungicide sprays per season preferably from different MoA fungicides. Start spraying when conditions are favourable for disease development and/or as soon as possible after first symptoms are detected. Make a second application 7 to 14 days later if conditions continue to favour disease development. Use rates towards the higher end of the range and use shorter spray interval during high disease pressure. Refer to Application sections for detailed information.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS

DO NOT GRAZE OR CUT FOR STOCK FOOD

DO NOT GRAZE TREATED AREAS OR FEED TURF CLIPPINGS FROM TREATED AREAS TO ANIMALS INCLUDING POULTRY

Emerald®

GENERAL INSTRUCTIONS

GENERAL INSTRUCTIONS

MIXING

Add the required amount of product to the partly-filled spray tank with the agitator in operation. Fill the tank with water, and continue agitation during spraying and after a stoppage.

APPLICATION

Algae, Leaf and Crown Diseases: Application volume for Algae, leaf and crown diseases should be adequate to ensure thorough and even coverage or penetration of the turf leaves, crowns or soil surface, depending on which disease is being targeted. Ideal application volumes should be between 400 – 800 L/ha. For best results use coarse [Turbo Teejet* or AIXR Teejet* (11004 or 11005)] nozzles, at 5 km/h and 3 bar pressure. In higher cut turf (>15mm) a significant spray shielding effect can occur, impacting negatively on spray penetration and even coverage at low application volumes. Good control requires good coverage. Application should be made in sufficient water to ensure thorough coverage.

Root Diseases: Application volume should be as high as possible (approximately 1000L/ha) to ensure placement close to the soil surface. When lower application volumes are used, washing in should commence as soon as possible after application. For best results use extremely coarse droplets [Turbo Floodjet* (TF5) or TurfJet* (TTJ10)] and total application volume of approximately 1000 L/ha. Preferably spray onto wet or dewy grass. Irrigate with 6 to 10 mm of water commencing immediately after application.

FUNGICIDE RESISTANCE WARNING

For fungicide resistance management EMERALD® Fungicide is a Group 29 fungicide. Some naturally occurring fungi resistant to the product and other Group 29 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if EMERALD or other Group 29 fungicides are used repeatedly. These resistant fungi will not be controlled by this product or other Group 29 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since occurrence of resistant fungi is difficult to detect prior to use, Colin Campbell (Chemicals) Pty Ltd. accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

PRECAUTIONS

Re-entry

RE-ENTRY

DO NOT enter (or allow public entry to) treated areas until the spray has dried.

PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

DO NOT apply under weather conditions, or from spraying equipment that may cause drift onto nearby plants/crops, cropping lands or pastures.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very highly toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Triple or pressure rinse container for disposal. Add rinsings to spray tank. Dispose of the rinsate by adding it to the spray tank. Do not dispose of undiluted chemicals on site. 1L – If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.

Emerald®

SAFETY DIRECTIONS

Harmful if swallowed. Poisonous if inhaled. Will irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Do not inhale spray mist. When opening the container and preparing the product for use, wear cotton overalls over normal clothing, buttoned to the neck and wrist (or equivalent clothing) a washable hat and elbow-length PVC gloves. If product on skin, immediately wash skin area with soap and water. If product in eyes wash out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing and respirator and if rubber wash with detergent and warm water.

Additional hazard and precautionary statement required by WHS

May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.
IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If skin irritation or rash occurs : Get medical attention.
Not combustible. Use extinguishing media suited to burning materials. Store locked up. Dispose of contents and containers as specified on the registered label.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for EMERALD is available from www.campbellchemicals.com.au or telephone (02) 9725-2544.

CONDITIONS OF SALE: Agricultural, horticultural and pastoral preparations in their application involve varying factors such as differing conditions, soil, climate and methods of application over which Colin Campbell (Chemicals) Pty Ltd (Company) does not have control. Whilst the Company believes that all goods sold by it are true to label and are effective and safe for the purpose indicated, the Company expressly excludes all conditions, guarantees and warranties, whether express, implied, statutory or otherwise, relating in any way to the goods and accepts no responsibility for any loss, harm or damage whatsoever suffered from the use of the goods for any purpose or purposes. Notwithstanding the foregoing, where any legislation implies any condition, guarantee or warranty (each, a Statutory Guarantee) and that legislation prohibits provisions excluding, restricting or modifying the application of, the exercise of a right conferred by or liability under such Statutory Guarantee, such Statutory Guarantee shall not be excluded. However the Company's liability for any breach of such Statutory Guarantee shall, if permitted by that legislation, be limited at the Company's option to the replacement of the goods or the supply of equivalent goods, or the payment of the cost of replacing the goods or of acquiring equivalent goods.

APVMA Approval No: 85383

®Emerald is a registered trademark of Colin Campbell (Chemicals) Pty Ltd

Specimen Label

CORTEVA™
agriscience

MatchPoint®

INSECTICIDE

™®Trademarks of Corteva Agriscience and its affiliated companies

For control of listed pests such as lepidopterous larvae (worms or caterpillars), and other listed pests infesting turfgrass.

Group	5	INSECTICIDE

Active Ingredient:
spinosad
(a mixture of spinosyn A
and spinosyn D) 36%
Other Ingredients..... 64%
Total 100%

Contains 36% active ingredient on a weight basis.

Precautionary Statements

Hazard to Humans and Domestic Animals

EPA Reg. No. 62719-523

Keep Out of Reach of Children

CAUTION

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
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, polyethylene, or butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or viton ≥ 14 mils.

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.

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.

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 for emergency medical treatment information.

Environmental Hazards

This product is toxic to bees exposed to treatment for 3 hours following treatment. Do not apply this pesticide to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period. This product is toxic to 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 washwaters. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified on the label.

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.

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), 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 4 hours.

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:

- Coveralls
- Chemical-resistant gloves made of barrier laminate, polyethylene, or butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or viton ≥ 14 mils.
- 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.

Entry Restrictions for Non-WPS Uses: Do not enter or allow others to enter the treated area until sprays have dried.

Storage and Disposal

Do not contaminate water, food or feed by storage and disposal.
Pesticide Storage: Store in original container only.
Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Nonrefillable rigid containers 5 gallons or less:
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 puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Nonrefillable nonrigid containers:
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 in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refillable rigid containers larger than 5 gal:
Container Handling: 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 a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two 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.

Storage and Disposal (Cont.)

Nonrefillable rigid containers larger than 5 gal:
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 puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Product Information

MatchPoint® is a Naturalyte® insect control product for control of many foliage feeding pests infesting labeled crops. This product's active ingredient, spinosad, is biologically derived from the fermentation of *Saccharopolyspora spinosa*, a naturally occurring soil organism. Mix MatchPoint with water and apply as a foliar spray with ground equipment equipped for conventional insecticide spraying.

Use Precautions

Integrated Pest Management (IPM) Programs
MatchPoint is recommended for IPM programs in labeled crops. Apply MatchPoint when field scouting indicates target pest densities have reached the economic threshold, i.e., the point at which the insect population must be reduced to avoid economic losses beyond the cost of control. Other than reducing the target pest species as a food source, MatchPoint does not have a significant impact on certain parasitic insects or the natural predaceous arthropod complex in treated crops, including big-eyed bugs, ladybird beetles, flower bugs, lacewings, minute pirate bugs, damsel bugs, assassin bugs, predatory mites or spiders. The feeding activities of these beneficials will aid in natural control of other insects and reduce the likelihood of secondary pest outbreaks. If MatchPoint is tank mixed with any insecticide that reduces its selectivity in preserving beneficial predatory insects, the full benefit of MatchPoint in an IPM program may be reduced.

Insecticide Resistance Management (IRM)
MatchPoint contains spinosad, a Group 5 insecticide. Insect/mite biotypes with acquired resistance to Group 5 insecticides may eventually dominate the insect/mite population if Group 5 insecticides are used repeatedly in the same field or area, 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 MatchPoint or other Group 5 insecticides. Currently, only spinetoram and spinosad active ingredients are classified as Group 5 insecticides. These two insecticide active ingredients share a common mode of action and must not be rotated with each other for control of pests listed on this label. Spinetoram and spinosad may be rotated with all other labeled insecticide active ingredients.

To delay development of insecticide resistance::

- Carefully follow the specific label guidelines within the use directions sections of this label, especially in regard to IRM recommendations.
- Avoid use of the same active ingredient or mode of action (same insecticide group) on consecutive generations of insects. However, multiple applications to reduce a single generation are acceptable. Treat the next generation with a different active ingredient that has a different mode of action or use no treatment for the next generation.
- Avoid using less than labeled rates of any insecticide when applied alone or in tank mixtures.
- Target applications against early insect developmental stages whenever possible.
- Base insecticide use on comprehensive IPM programs including crop rotations.
- Monitor treated insect populations in the field for loss of effectiveness.
- Contact your local extension specialist, certified crop advisor, and or manufacturer for insecticide resistance management and/or IPM recommendations for the specific site and resistant pest problems.
- For further information or to report suspected resistance, contact your local company representative or by calling 800-258-3033.

Mixing Directions

Application Rate Reference Table

Application Rate of MatchPoint (oz/acre)	Active Ingredient Equivalent (lb ai/acre)	Acres per Pound of MatchPoint
3.5	0.08	4.5
5.6	0.13	2.9
8.3	0.19	1.9
12	0.27	1.3
15.3	0.34	1.1
16	0.36	1.0
18	0.41	0.9
31	0.70	0.5

MatchPoint - Alone: Fill the spray tank with water to about one-half of the required spray volume. Start agitation and add the required amount of MatchPoint. Continue agitation while mixing and filling the spray tank to the required spray volume. Maintain sufficient agitation during application to ensure uniformity of the spray mix. Do not allow water or spray mixture to back-siphon into the water source.

MatchPoint - Tank Mix: When tank mixing MatchPoint with other materials, conduct a compatibility test (jar test) using relative proportions of the tank mix ingredients prior to mixing ingredients in the spray tank. If foliar fertilizers are used, repeat the jar test with each batch of fertilizer utilizing the mixing water source. Vigorous, continuous agitation during mixing, filling and throughout application is required for all tank mixes. Sparger pipe agitators generally provide the most effective agitation in spray tanks. To prevent foaming in the spray tank, avoid stirring or splashing air into the spray mixture.

Mixing Order for Tank Mixes: Fill the spray tank with water to 1/4 to 1/3 of the required spray volume. Start agitation. Add different formulation types in the order indicated below, allowing time for complete dispersion and mixing after addition of each product. Allow extra dispersion and mixing time for dry flowable products.

Add different formulation types in the following order:
1. MatchPoint and other water dispersible granules
2. Wettable powders
3. Soluble Concentrates

Maintain agitation and fill spray tank to 3/4 of total spray volume. Then add:
4. Emulsifiable concentrates and water-based solutions
5. Spray adjuvants, surfactants and oils
6. Foliar fertilizers

Finish filling the spray tank. Maintain continuous agitation during mixing, final filling and throughout application. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be resuspended before spraying is resumed. A sparger agitator is particularly useful for this purpose.

Premixing: Dry and flowable formulations may be premixed with water (slurried) and added to the spray tank through a 20 to 35 mesh screen. This procedure assures good initial dispersion of these formulation types.

Spray Tank pH: A spray tank pH between 6.0 and 9.0 is suggested to achieve maximum performance of MatchPoint. If the water source is outside of this pH range, or tank mixing other pesticides, adjuvants, or foliar nutrients will cause the pH to fall outside this range, consider adjusting the spray tank pH to be between 6.0 and 9.0 before adding MatchPoint. To do this, add all other tank mix components first, then check the spray tank pH, adjust if desired, and then add MatchPoint. If you require additional information on how to adjust spray tank pH, contact your company representative.

Use of Adjuvants: Adjuvants may be used to improve the control of leafminers and thrips in situations where achieving uniform plant coverage is difficult (such as closed crop canopy or dense foliage), or penetration into waxy leaf surfaces is necessary for pest control.

- Use only adjuvant products labeled for agricultural use and follow the manufacturer's label directions. A nominal concentration of 1 to 2 quarts per 100 gallons (0.25 to 0.5% v/v) is generally sufficient.
- For leafminers and thrips, emulsified crop oils or methylated crop oil plus organosilicone combination products are recommended.
- When using adjuvants, always conduct a jar test to determine the compatibility of the various components in the mixture. Determine crop safety in a small area of the crop whenever there is a significant change in spray mixture ingredients or source of water for the spray mixture.
- Do not use diesel fuel or pure mineral oil.
- When an adjuvant is to be used with this product, Corteva Agriscience recommends the use of an appropriate Chemical Producers and Distributors Association certified adjuvant.

Application Directions

Proper application techniques help ensure thorough spray coverage and correct dosage for optimum insect control. The following directions are provided for ground application of MatchPoint. Attention should be given to sprayer speed and calibration, wind speed, and foliar canopy to ensure adequate spray coverage.

Ground Application -
Use calibrated power-operated ground spray equipment capable of providing uniform coverage of the target crop. Orient the boom and nozzles to obtain uniform crop coverage. Utilize a minimum of 5 to 10 gallons per acre, increasing volume with crop size and/or pest pressure. Use hollow cone, twin jet flat fan nozzles or other insecticide atomizer suitable for insecticide spraying to provide a fine to coarse spray quality (per ASABE S-572, see nozzle catalogs). Under certain conditions, drop nozzles may be required to obtain complete coverage

of plant surfaces. Follow manufacturer's specifications for ideal nozzle spacing and spray pressure. Minimize boom height to optimize uniformity of coverage and maximize deposition (optimize on-target deposition) to reduce drift.

Uses

Turfgrass

Not for use on residential turf

Pests	MatchPoint oz/1000 sq ft	MatchPoint oz/acre
armyworms-small larvae such as: fall armyworm (1) sod webworms (including tropical) (2)	0.08 (2.3 gm)	3.5 (100 gm)
cutworms-small larvae such as: black cutworm variegated cutworm (1,2)	0.28 (8 gm)	12 (340 gm)
annual bluegrass weevil armyworms-large larvae such as: fall armyworm (1) black turfgrass ataenius (adults) cutworms-large larvae such as: black cutworm variegated cutworm (1,2) fleas, such as: cat flea (3)	0.37 - 0.41 (10 - 12 gm)	16 - 18 (454 - 510 gm)

Numbers in parentheses (-) refer to Pest-Specific Use Directions.

Pest-Specific Use Directions:

1. **Fall armyworm** and **black cutworm** larvae**:** Use the lower rate for control of light infestations of small larvae (less than 3/4 of an inch for armyworms, an inch or less for cutworms); use the higher rate for control of heavy infestations and large larvae (3/4 of an inch or larger for armyworms, larger than an inch for cutworms). Applications for **fall armyworms** during the early morning or late afternoon can maximize control. For best results, delay watering or mowing of the treated area for 12 to 24 hours after treatment.
2. **Black cutworm**, **sod webworm**, and **tropical sod webworm** larvae**:** Applications during the late afternoon or early evening can maximize control. For best results, delay watering or mowing of the treated area for 12 to 24 hours after treatment.
3. Control of **cat fleas:** Apply early or late in the day since effective control requires direct contact of adults and larvae with the dilute spray prior to drying. For best results, make a second application at 7 to 14 days to control adults that have emerged from pupae that may have been present during the initial treatment. Thorough spray coverage is necessary for outside areas frequented by pets. **Do not treat pets with MatchPoint**.

Application Method: Dilute MatchPoint in water and apply using suitable hand or power-operated application equipment (such as portable pump-up, backpack, hydraulic, boom, turf spray gun).

Application Rate: MatchPoint may be used up to a maximum labeled rate of 0.41 oz per 1000 sq ft (18 oz per acre) per application on turfgrass as a general treatment regardless of the target insect pest. Use pest specific rates when a single insect pest or group of insect pests within a rate category is the only intended target.

Tank Mix: MatchPoint may be tank mixed with other insect control products if broader spectrum insect control is required. When using tank mixtures, also follow all label directions of the mixing partner(s).

Resistance Management: Do not apply more than three times in any 21-day period. Whenever MatchPoint is applied up to three times in succession, this should be followed by no use of MatchPoint for a 21-day period or rotation to another insecticide class. Do not make more than six applications per season.

Specific Use Restrictions:
Minimum Treatment Interval: Do not make applications less than 7 days apart.

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, otherwise, 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

Corteva Agriscience 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, Corteva Agriscience 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 Corteva Agriscience or 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, strict liability, or other legal theories), shall be limited to, at Corteva Agriscience'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, Corteva Agriscience shall not be liable for losses or damages resulting from handling or use of this product unless Corteva Agriscience is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Corteva Agriscience be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Corteva Agriscience or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or Limitation of Remedies in any manner.

™®Trademarks of Corteva Agriscience and its affiliated companies

Produced for
Corteva Agriscience LLC
9330 Zionsville Road
Indianapolis, IN 46268

Label Code: CD02-418-022
Replaced Label: CD02-418-020

EPA accepted 02/19/16

Revisions:

1. Company rebranding to reflect Corteva legal entity
2. Removed references for aerial application

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

Maxtima *and* ***Nutra-Sol*** *are registered trademarks of BASF.*

Neutralize *is a trademark of BASF.*

© 2021 BASF Corporation
All rights reserved.

007969-00404.20210924.**NVA 2021-04-552-0178**
Based on: NVA 2020-04-552-0166
Supersedes: NVA 2020-04-552-0036

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

We create chemistry

QUALI-PRO™

Mefenoxam 2 AQ

Specimen Label

An aqueous flowable fungicide for the control of certain diseases in various turf, nursery, and ornamental crops caused by the Oomycete class of fungi.

Active Ingredient:
Mefenoxam*: (R)-2-[(2,6-dimethylphenyl) methoxyacetylamino] propionic acid methyl ester 22.5%
Other Ingredients: 77.5%
Total: 100.0%
*Contains 2 lbs. active ingredient per gallon.

EPA Reg. No. 70252-11-73220 EPA Est. No. 37429-GA-2

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 soap and water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call a poison control center or doctor. • Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. • Do not induce vomiting or 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. **For medical emergencies involving this product, call 1-800-308-5391.**	
NOTE TO PHYSICIAN: If ingested, induce emesis or lavage stomach. Treat symptomatically.	

See additional Precautionary Statements and Directions for Use inside booklet.

Manufactured for FarmSaver.com, LLC • P.O. Box 21365 • Seattle, WA 98111

Net Contents: 2.5 Gallons (9.48 liters)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
CAUTION
Harmful if absorbed through the skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. 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
• 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.

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.

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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Groundwater Advisory
This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Physical or Chemical Hazards
Do not use, pour, spill 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.

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. **Exception**: If the product is soil incorporated, or applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated areas if there will be no contact with anything that has been treated. The REI for chemigation via microsprinklers, floor drip, and drip line irrigation is zero hours. The REI for soil surface applications is zero hours after sufficient rainfall occurs or overhead or hand held irrigation is used to thoroughly wash the product into the soil and off any foliage.

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.
Do not enter treated areas without footwear until sprays have dried.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL OR CROP INJURY.

GENERAL INFORMATION

Quali-Pro Mefenoxam 2 AQ is an aqueous flowable systemic fungicide for use on selected turf, nursery, and ornamental crops to control certain diseases caused by members of the Oomycete class of fungi. Other fungicides must be used to control diseases incited by other classes of fungi.

Note: Quali-Pro Mefenoxam 2 AQ is a systemic fungicide having a specific mode of action and its use could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, FarmSaver.com LLC cannot assume liability for crop damage resulting from insensitive strains of fungi. If treatment is not effective following the use of Quali-Pro Mefenoxam 2 AQ as recommended, an insensitive strain of fungi may be present. If the treatment is ineffective due to the presence of an insensitive strain of fungi, neither Quali-Pro Mefenoxam 2 AQ nor any other fungicide with similar action will effectively control that disease. Consideration should then be given to the prompt use of other types of suitable fungicides. Do not make foliar applications to field grown tobacco, or other crops, unless specified since this practice may encourage more rapid development of insensitivity. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance on your particular crop and disease control situation.

Do not make foliar applications unless specified since this practice may encourage more rapid development of insensitivity.

Where rate ranges are specified on this label, use the higher rate when heavy disease pressure is expected and the lower rate when disease pressure is expected to be light, unless otherwise noted.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as crop injury may result.

MIXING INSTRUCTIONS

Prepare only the amount of spray mixture that is immediately required. Agitate the spray solution continuously during mixing and application. Thoroughly rinse the mix tank and spray tank with clean water after each day's use and dispose of rinsate by application to area(s) already treated.

Quali-Pro Mefenoxam 2 AQ Alone: Add 1/4 - 1/2 of the required amount of water to the spray tank. With the agitator running, add the proper amount of Quali-Pro Mefenoxam 2 AQ, then add the rest of the water. Begin application of the spray solution after this product has completely dispersed into the mix water. Maintain agitation until all of the mixture has been sprayed.

Tank Mixtures: When tank mixing other products with Quali-Pro Mefenoxam 2 AQ, follow the proper sequence of adding products to the spray tank. Wettable powders or water dispersible granules should be added to the water in the tank first, followed by liquid flowable products such as Quali-Pro Mefenoxam 2 AQ, with emulsifiable concentrates added last. Provide continuous agitation during mixing and application.

Note: When tank mixing with products packaged in water-soluble packaging, those products should be added to the mix tank first and the water-soluble packaging must be allowed to completely dissolve and the product(s) allowed to completely disperse before adding any other tank-mix partner to the tank.

Note: Compatibility with tank-mix partners must be determined. To determine the compatibility of Quali-Pro Mefenoxam 2 AQ with other products, pour the products into a small container of water in the correct proportions. After thorough mixing, let stand for 5 minutes. If the combination remains mixed, or can be re-mixed readily, the mixture should be considered compatible.

BEFORE TANK MIXING QUALI-PRO MEFENOXAM 2 AQ WITH OTHER REGISTERED PRODUCTS FOR ANY USE ON THIS LABEL, READ THE LABEL OF THE TANK MIX PARTNER TO BE CERTAIN IT IS LABELED FOR USE ON THE PARTICULAR CROP AND THAT USE PATTERNS ARE COMPATIBLE WITH THOSE OF QUALI-PRO MEFENOXAM 2 AQ. OBSERVE ALL DIRECTIONS, PRECAUTIONS AND LIMITATIONS OF TANK MIX PARTNER LABELS, OBSERVING THE MOST RESTRICTIVE REQUIREMENT(S).

APPLICATION INSTRUCTIONS (GENERAL)
Apply Quali-Pro Mefenoxam 2 AQ by ground in sufficient water or liquid fertilizer to provide uniform coverage of the soil surface. Apply in a minimum of 20 gals/ac for ground applications, 5 gals/ac by air. Refer to the specific crop use directions for application recommendations.

For banded applications, the treated area is actually the area covered by the band, not the total cropland area planted. Some row-crop recommendations are based on treating in the row and these rates generally are specified as amounts (fl. oz.) of product per certain row length (often 1,000 ft.). Others express rates as amount per treated acre, which means the total area treated with the pesticide. If rates are expressed as amount per treated acre and banded applications are used, the amount of pesticide used per acre will be proportionately less. The following formula can be used to calculate the amount of Quali-Pro Mefenoxam 2 AQ needed per acre of crop when banded applications are made:

$$\frac{\text{band width in inches}}{\text{row spacing in inches}} \times \text{broadcast rate per acre} = \text{amount needed per acre of field}$$

APPLICATION THROUGH IRRIGATION SYSTEMS
Quali-Pro Mefenoxam 2 AQ, alone or in combination with other pesticides which are registered for application through irrigation systems, may be applied through irrigation systems. Apply this product only through center pivot, solid set, hand move, moving wheel, micro-sprinkler, pressurized drench (flood) or drip (trickle), micro-irrigation such as spaghetti tube or individual tube irrigation, calibrated hand-held irrigation equipment such as the hand-held wand with injector, calibrated overhead watering booms, ebb and flow or bench flooding sub or drip irrigation systems. 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. Quali-Pro Mefenoxam 2 AQ should be diluted with water on a 1/10 basis prior to injection into an irrigation system. Proper tank-mix agitation is required during this mixing procedure.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. 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. 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.

Safety Devices for Chemigation Systems Connected to Public Water Systems
If the source of water for your irrigation system is a public water supply, follow the instructions below.

1. A "public water system" is a system used to provide to the public piped water for human consumption if such system has a minimum of 15 service connections or regularly serves an average of a minimum of 25 individuals per day at least 60 days of the year.
2. A chemigation system that is connected to a public water system must contain a functional, reduced pressure zone, backflow preventer (RPZ) (or the functional equivalent) in the water supply line upstream from where the pesticide is introduced. An option to the RPZ: Discharge the water from the public water system into a reservoir tank before pesticide introduction. There must be a complete physical break (air gap) between the fill pipe's outlet end and the top (or overflow) rim of the reservoir tank of at least twice the fill pipe's inside diameter.
3. The pesticide injection pipeline must contain a functional, automatic quick closing check valve that will prevent the flow or fluid from flowing back toward the injection pump.
4. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve that is located on the injection pump's intake side and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either manually or automatically shut down.
5. The system must contain functional interlocking controls that will automatically shut off the pesticide injection pump when the water pump motor stops, or if there is no water pump, when water pressure decreases to the point when pesticide distribution is adversely affected.
6. Systems must use a metering pump, as a positive displacement injection pump (e.g. diaphragm pump) that is effectively designed and constructed of materials compatible with pesticides and that is capable of being fitted with a system interlock.
7. Do not apply this product when wind speed favors drift beyond the area that is intended for treatment.

Safety Devices for Chemigation Systems Not Connected to a Public Water Supply
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 backflow.
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 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.
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.

Application Instructions—Irrigation Systems
Quali-Pro Mefenoxam 2 AQ must be applied on the schedule specified in the specific crop use recommendations, not according to the irrigation schedule.

Quali-Pro Mefenoxam 2 AQ has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. The following calibration and application techniques are provided for user reference, **but do not constitute a warranty of fitness for application through sprinkler or drip irrigation equipment.** Users must check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler or drip irrigation equipment.

Note: Do not inject at full strength; always dilute with at least 10 parts water to 1 part Quali-Pro Mefenoxam 2 AQ.

Center Pivot Irrigation Equipment
Use only with drive systems that provide uniform distribution.

1. Determine the size of the area to be treated.
2. Determine the time required to apply 1/2 to 1 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. Run the system at 80 – 95% of the manufacturer's rated capacity.
3. Using water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of Quali-Pro Mefenoxam 2 AQ required to treat the area covered by the irrigation system.

5. Add the required amount of Quali-Pro Mefenoxam 2 AQ and sufficient water to the solution (mix) tank to meet the injection time requirements to the solution tank.
6. Make sure the system is fully charged with water before starting injection of the Quali-Pro Mefenoxam 2 AQ solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
7. Maintain constant solution tank agitation during the injection period.
8. Continue to operate the system until the Quali-Pro Mefenoxam 2 AQ solution has cleared the last sprinkler head.

Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

1. Determine the acreage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 20 to 30 minute time interval.
3. Determine the amount of Quali-Pro Mefenoxam 2 AQ required to treat the area covered by the irrigation system.
4. Add the required amount of Quali-Pro Mefenoxam 2 AQ into the same quantity of water used to calibrate the injection period.
5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject Quali-Pro Mefenoxam 2 AQ at the end of the irrigation cycle in 1/2 - 1 inch of water or as a separate application to maximize the effectiveness of the fungicide. Do not apply in excess of 1 inch of water.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the Quali-Pro Mefenoxam 2 AQ solution has cleared the last sprinkler head.

Micro Sprinkler, Overhead Watering Booms, or Drip Irrigation Systems

General Instructions

1. Each run of the irrigation system must be calibrated separately to determine the time it takes water to move through the system and to make sure all emitters in the system are putting out the same amount of water.
2. Only pressure injection or venturi equipment is recommended.
3. Determine the area to be treated in each irrigation run.
4. Measure the output of each of the emitters or drip tubes closest to and farthest from the injector site.
5. For calibration, substitute a concentrated detergent (such as Wisk) or a soluble fertilizer for the Quali-Pro Mefenoxam 2 AQ in the injector tank. The detergent will bubble as it leaves the emitters. The time period over which bubbles occur should be checked for both the closest and farthest emitters. If these times are not within 2 minutes of each other, adjust the dilution ratio and/or the injection rate.
6. If a soluble fertilizer is used, measure the time intervals with a salt bridge. If a drip system is being calibrated, substitute soluble fertilizer for the Quali-Pro Mefenoxam 2 AQ in the injector and measure the time intervals with a salt bridge.

Step-by-Step Instructions

1. Before starting to calibrate, operate the system until all the emitters are putting out at equal flow rates or until the system is operating at full pressure.
2. Make up an indicator solution of detergent or fertilizer, using the same ratio to be used when mixing the Quali-Pro Mefenoxam 2 AQ.
3. Set the injector to apply the indicator solution at the injection rate to be used in the actual Quali-Pro Mefenoxam 2 AQ application.
4. Attach a 5-inch length of flexible tubing over the emitter closest to the injection point, another length over the emitter farthest away. Both emitters should be monitored to determine the time intervals that the indicator solutions are observed.
5. Begin injecting the indicator solution. Direct the flow from the tubes at the emitters into a small container. Begin timing when the indicator solution is first detected; stop timing when the indicator solutions are no longer detected.
6. If the period of detection of the indicator solution between the 2 emitters is within 2 minutes of each other, comparable coverage will be obtained. If they are not, make adjustments by increasing the dilution ratio, using more water per part of Quali-Pro Mefenoxam 2 AQ, or adjust the injector to a slower flow rate.
7. Once the system is calibrated, dilute the needed amount of Quali-Pro Mefenoxam 2 AQ with water in the mix tank using a minimum of 10 parts water to 1 part Quali-Pro Mefenoxam 2 AQ in the solution tank.
8. Do not begin to inject Quali-Pro Mefenoxam 2 AQ into the system until all emitters are producing equal flow rates, or until the system is at full pressure.

Inject the Quali-Pro Mefenoxam 2 AQ into the system at the end of the irrigation set in 1/2 - 1 inch of irrigation water.

NON-CROP USES

ORNAMENTALS

Use Quali-Pro Mefenoxam 2 AQ on container, bench, or bed-grown ornamentals in greenhouses or outdoor nurseries, and for use on ornamentals grown for indoor and outdoor landscaping, for control of damping-off, and root and stem rot diseases caused by Pythium and Phytophthora. Quali-Pro Mefenoxam 2 AQ may be applied through irrigation systems, as a soil drench or as a soil surface spray, or incorporated into a soil mix for subsequent seeding or transplanting of ornamentals. **Within a rate range given for a specific group of ornamentals, use the lower rate for the shortest interval listed and the higher rate for the longest interval. Under severe disease conditions, use the highest rate and the shortest interval.**

For drench applications, use enough of the specified Quali-Pro Mefenoxam 2 AQ water solution to wet the root zone of plants. In general, 1 pt./sq. ft. of this solution is sufficient for ornamentals growing in containers with 4 inches of growth media. Containers with growth media depth greater than 4 inches generally require 1 1/2 – 2 pts/sq ft of the solution. If soil surface applications are made, irrigate with at least 1/2 inch of water if rainfall does not occur within 7 days.

NOTICE TO USER: Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for tolerance to Quali-Pro Mefenoxam 2 AQ. Neither the manufacturer nor the seller has determined whether or not Quali-Pro Mefenoxam 2 AQ can be used safely on ornamental and nursery plants not specified on this label. The professional user should determine if Quali-Pro Mefenoxam 2 AQ can be used safely prior to commercial use. In a small area, test the recommended rates for a particular group of unlabeled plants, i.e., bedding plants, foliage, etc., for phytotoxicity prior to widespread use.

Foliage Plants Aglaonema, Aphelandra, Dieffenbachia, Peperomia, Philodendron*, Pothos, Schefflera, Sedum, Sempervivum, Zygocactus	**DRENCH:** Mix 0.12 – 0.6 fl oz. with 100 gals of water. Apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 2 to 3-month intervals, if necessary. *On Philodendron, use 0.2 – 1.0 fl oz/100 gals. *Precaution: To minimize the potential for injury to Pothos, do not use more than 0.38 fl oz/100 gals and do not apply more frequently than once every 3 months.* **SOIL MIX:** Thoroughly mix 0.06 – 0.26 fl oz with each cu yd of soil mixture. **SOIL SURFACE SPRAY:** Apply 0.2 – 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.

Bedding Plants Ageratum, Algerian ivy, Artemisia, Aster, Begonia, Caladium, Carnation, Chrysanthemum, Coleus, Daisy, English ivy, Foxglove, Gaillardia, Geranium, Impatiens, Marigold, Pansy, Petunia, Phlox, Pinks, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Verbena, Vinca, Zinnia	**DRENCH At Seeding** (Soil 2 – 3 inches deep): Mix 0.06 – 0.26 fl oz with 100 gals of water and apply 1 pt solution per sq ft. **DRENCH At Transplanting** (Soil 2 – 3 inches deep): Mix 0.2 – 1.0 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 1 to 2-month intervals, if necessary. Do not apply rates of 0.75 – 1.0 fl oz/100 gals more often than once every 6 weeks. **SOIL MIX At Seeding and At Transplanting:** Thoroughly mix 0.02 – 0.12 fl oz with each cu yd of soil mixture. **SOIL SURFACE SPRAY:** Apply 0.2 – 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.

Flowers African violet, Anthurium, Baby's breath, Carnation, Chrysanthemum, Columbine, Delphinium, Easter lily, Geranium, Gloxinia, Poinsettia, Rose	**DRENCH:** Mix 0.2 – 1.0 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 1 to 2-month intervals, if necessary. Do not apply rates of 0.76 – 1.0 fl oz/100 gals more often than every 6 weeks. *Precaution: Do not apply more than 0.5 fl. oz./100 gal water to Easter lily and only make one at-planting application.* **SOIL SURFACE SPRAY:** apply 0.2 – 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.

Azaleas	**DRENCH:** Phytophthora root and crown rot – Mix 0.26 – 1.2 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 2 to 4-month intervals, if necessary. **SOIL SURFACE SPRAY:** Apply 0.5 – 2.5 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days. *Precautions: (1) To minimize the potential for injury to azaleas, do not apply repeat soil applications of 1.2 fl. oz./100 gal closer than every 3 months, and do not exceed a total of 2 fl. oz. in 6 months. (2) Use the lower rate for "Coral Bell" variety.*

Woody Ornamentals Other Than Azaleas *Aucuba japonica,* Arborvitae, Boxwood, Ceanothus, Cotoneaster, Dogwood, Ficus, "Halls" Honeysuckle, Ilex, *Juniperus spp.,* Photinia, Pieris japonica, *Pinus spp.,* Pittosporum, Rhododendron, White cedar, White pine, Yew	**Drench:** Mix 0.4 – 2 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 2 to 3-month intervals, if necessary. Do not apply rates of 1.0 fl oz/100 gals more often than every 10 weeks. **SOIL SURFACE SPRAY:** Apply 0.5 – 2.5 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.

INTERIORSCAPE AND INDIVIDUAL PLANT USE
In situations where water volumes used are much less than 100 gals and the area treated is small, the following table provides the Quali-Pro Mefenoxam 2 AQ rates to make small quantities of solution. Refer to the plant type for the correct fl. oz. of product to use when utilizing this table.

Rate of Quali-Pro Mefenoxam 2 AQ (fl. oz.) /100 gals.	**Amount of Quali-Pro Mefenoxam 2 AQ to Add to Water to Make the Following Quantities**			
	1 gal.	**5 gals.**	**10 gals.**	**25 gals.**
0.5	2 drops	10 drops	20 drops	50 drops / 1.0 ml
1.0	4 drops	20 drops	40 drops	100 drops / 2 ml
2.0	8 drops	40 drops	80 drops / 1.5 ml	200 drops / 4 ml / 2/3 tsp.
4.0	16 drops	80 drops / 1.5 ml	3 ml / 0.5 tsp.	8 ml / 1 1/3 tsp.

Apply enough solution to wet the root area of the plants.

CITRUS IN NURSERIES (AZ, CA, FL, and PR Only)

Make the first application of Quali-Pro Mefenoxam 2 AQ at the time of planting. Make repeat applications at 3-month intervals during the period when trees are actively growing. For banded applications, use a band wide enough to cover the root systems of the plants. Do not apply Quali-Pro Mefenoxam 2 AQ solutions to bare roots.

Soil Drench: Apply 2 – 3 fl oz/100 gals of water as a drench over the row at a rate of 100 – 250 gals/1,000 ft. of row. The width of the drench treatment should be wide enough to cover the root systems of the plants. Follow with a 1/2 – 1-inch irrigation over the treated area.

Soil Surface Spray: Apply 2 – 4 qts per treated acre in a broadcast or banded surface spray to seedbeds, liners, or bedded stock in sufficient water to obtain thorough coverage. If applications are banded, the treated area should be wide enough to cover the root systems of the plants. Follow the applications with a 1/2 – 1-inch irrigation over the treated area.

Note: Do not use Quali-Pro Mefenoxam 2 AQ for disease control in greenhouse nurseries.

CITRUS IN NURSERIES AND LANDSCAPE PLANTINGS (NONBEARING)

Use Quali-Pro Mefenoxam 2 AQ on nonbearing citrus for control of citrus foot rot, root rot, and trunk canker caused by Phytophthora spp. Apply to the soil as a drench or as a spray in a banded application.

Make the first application of Quali-Pro Mefenoxam 2 AQ at the time of planting. Make repeat applications at 3-month intervals during the period when trees are actively growing.

Soil Drench: Mix 0.6 – 3.0 fl. oz/100 gals of water and apply as a drench over the row at the rate of 100 – 250 gals/1,000 ft. of row. The width of the drench treatment should be wide enough to cover the root systems of the plants.

Soil Surface Spray: Apply 0.2 – 1.0 gal/A of treated soil in a broadcast or banded surface spray to seedbeds, liners, or bedded stock in sufficient water to obtain uniform coverage. If applications are banded, the treated area should be wide enough to cover the root systems of the plants. Follow with 1/2 inch irrigation.

Calculate the amount of Quali-Pro Mefenoxam 2 AQ needed for a banded treatment by using the formula at the end of the **APPLICATION INSTRUCTIONS** section of this label.

Note: Do not use in greenhouse citrus nursery stock intended for commercial fruit production.

CONIFERS IN NURSERIES AND PLANTATIONS (INCLUDING CHRISTMAS TREES)

Quali-Pro Mefenoxam 2 AQ provides control of Phytophthora root rot of conifers.

Conifers in Nurseries

Seedbeds and Plug-Plantings	Apply 0.25 – 1.25 pt Quali-Pro Mefenoxam 2 AQ in at least 50 gals of water per acre in the spring and again in the fall.
2-0 Transplants	Apply 0.5 – 2.5 pts Quali-Pro Mefenoxam 2 AQ in at least 50 gals of water per acre in the spring and again in the fall.

Conifers in Plantations
Use of Quali-Pro Mefenoxam 2 AQ will aid in the control of Phytophthora root rot when used in conjunction with good cultural practices. The use of Quali-Pro Mefenoxam 2 AQ will not overcome poor management practices such as planting on sites that are prone to flooding or are poorly drained. Quali-Pro Mefenoxam 2 AQ fungicide will not revitalize trees showing moderate to severe disease symptoms.

Apply 0.25 – 1.25 gal of Quali-Pro Mefenoxam 2 AQ per acre in a minimum of 50 gals of water as a directed soil spray. Do not apply as a foliar spray. Applications should be made in early spring before growth starts and in the fall before the ground freezes. Calculate the amount of Quali-Pro Mefenoxam 2 AQ needed for a banded treatment by using the formula in the **APPLICATION INSTRUCTIONS** section of the label.

For best results, apply 1/2 – 1 inch of water after application if rain is not expected within 3 days.

DECIDUOUS FRUITS AND NUTS IN NURSERIES (NONBEARING)
Quali-Pro Mefenoxam 2 AQ provides control of Pythium root rot and Phytophthora root, crown, and collar rot of nonbearing deciduous fruits and nuts.

Apply 0.6 – 3.0 fl oz/1,000 sq ft in sufficient water to obtain thorough coverage of the soil under the canopy of the trees. Treat sufficient surface area in nurseries to cover the root zone of the plants. Additional applications may be made as necessary at 3-month intervals during the growing season.

Notes: (1) Do not apply to trees that will bear harvestable fruit within 12 months of the last application, or possible illegal residues may result. (2) Do not apply more than 8.8 oz/1,000 sq. ft. (3.0 gals/A) of Quali-Pro Mefenoxam 2 AQ per year.

TURF
Quali-Pro Mefenoxam 2 AQ controls Pythium blight and Pythium damping-off in turf, yellow tuft (downy mildew) in bluegrass, and downy mildew in St. Augustine grass. **Within the rate range given for turf, use the lower rate for the shortest interval listed and the higher rate for the longest interval. Under severe disease conditions, use the highest rate and shortest interval.**

Established Turf Pythium Blight, Yellow Tuft, Downy mildew	Apply as a preventative treatment at 0.2 – 1.0 fl oz in 1-5 gals of water per 1,000 sq. ft. Retreat at 10 to 21-day intervals. During periods of prolonged conditions favorable for disease development, use 0.5 – 1.0 fl oz on a 14-day schedule.
Newly Seeded Areas Pythium Damping-off, Pythium blight, Yellow Tuft, Downy Mildew	Apply 0.2 – 1.0 fl oz in 1-5 gals of water per 1,000 sq ft immediately after seeding. Irrigate with 1/4 – 1/2 inch water. Re-treat at 7 to 14-day intervals if conditions remain favorable for disease. **Note**: For long-term control of Pythium in areas when using seed treated with the active ingredient contained in Quali-Pro Mefenoxam 2 AQ, make an application of Quali-Pro Mefenoxam 2 AQ at 7 – 10 days after seeding.

Note: For control of other diseases of turf, use Banner alone or in a tank mix combination with Quali-Pro Mefenoxam 2 AQ. Refer to the Banner label for rates, precautions, restrictions, etc.

Precautions: To minimize the potential for insensitivity, (1) Make no more than 3 applications per season of any product in which the Quali-Pro Mefenoxam 2 AQ active ingredient is applied alone, and (2) Apply an alternate EPA-registered fungicide for Pythium control at least once during the season.

REPLANTING
If replanting is necessary, additional applications of Quali-Pro Mefenoxam 2 AQ may be made, provided that that total amount of active ingredient applied does not exceed the maximum allowed for the specific crop.

ROTATION (PLANTBACK) RESTRICTION
Do not plant any crop which is not registered for use with products containing the active ingredient mefenoxam in soil treated with Quali-Pro Mefenoxam 2 AQ for a period of 12 months unless a shorter interval is specified on the following list.

Rotation Crop	Planting Time From Last Quali-Pro Mefenoxam 2 AQ Application
Alfalfa (including birdsfoot trefoil) Almonds Apples Asparagus Avocados	0 days
Blueberries	
Deciduous Fruits and Nuts*	0 days
Eggplant	
Garlic Ginseng Grapes Grasses**	
Hops	
Leafy Vegetables (Excluding Brassica) Legume Vegetables (beans and peas—succulent and dried)	
Onions (dry bulb, green, and seed)	
Papaya Peanuts Peppers Pineapples Potatoes	

Rotation Crop	Planting Time From Last Quali-Pro Mefenoxam 2 AQ Application
Raspberries Root and Tuber Vegetables	0 days
Soybeans Spinach Stone Fruits Strawberries Sugar Beets	
Tobacco Tomatoes	
Walnuts	
Cereal Grains (other than corn)	14 days
Corn	9 months
Crops Not Intended for Food or Feed	0 days
All Other Crops Intended for Food or Feed	12 months

* These crops and other perennial crops may be planted immediately following last application of Quali-Pro Mefenoxam 2 AQ, provided they will not bear harvestable fruit within 12 months.

** Any grass, Gramineae family (either green or cured), except do not rotate to any of the following for 12 months after application: sugar-cane; any cereal grains that will be fed to or grazed by livestock; any enclosed pasture grass; and grass grown for hay or silage such as bermudagrass, bluegrass, brome grass or fescue.

STORAGE AND DISPOSAL

PESTICIDE STORAGE
Do not use, pour, spill or store near heat or open flame.

PESTICIDE DISPOSAL
Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product are acutely toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

CONTAINER DISPOSAL
Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep 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 and disposal of wastes.

In the event of a major spill, fire, or other emergency, call Chemtrec at 1-800-424-9300, day or night.

IMPORTANT: Read the entire **DIRECTIONS FOR USE** and the **CONDITIONS OF SALE AND WARRANTY** before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND WARRANTY

The **DIRECTIONS FOR USE** of this product are believed to be reliable and should 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 use of the product in a manner inconsistent with its labeling, all of which are beyond the control of FarmSaver.com, LLC or the seller. All such risks shall be assumed by the buyer.

FarmSaver.com, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the DIRECTIONS FOR USE when it is used in accordance with such directions, subject to the inherent risks mentioned above.

FARMSAVER.COM, LLC NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY EXTENDS TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS, OR CAUTIONS. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILTIY 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. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

FARMSAVER.COM, LLC and the seller offer this product, and the Buyer and User accept it, subject to the foregoing CONDITIONS OF SALE AND WARRANTY.

Questions? Call 1-800-979-8994.

Quali-Pro is a trademark of FarmSaver.com
Banner is a trademark of the Syngenta Group Company

FarmSaver.com LLC
PO Box 21365
Seattle, WA 98111

Mef 2L TNO EPA 100504

SPECIMEN

Mefentrifluconazole	**Group**	**3**	**Fungicide**
Pyraclostrobin	**Group**	**11**	**Fungicide**

Navicon®

Intrinsic® Brand Fungicide

For disease control and plant health in nonresidential turfgrass

Active Ingredients*:

mefentrifluconazole: 2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1H-1,2,4-triazole-1-yl)propan-2-ol	17.56%
pyraclostrobin: (carbamic acid, [2-[[[1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester)	17.56%
Other Ingredients:	64.88%
Total:	100.00%

* **Navicon® Intrinsic® brand fungicide** contains 1.67 lbs mefentrifluconazole and 1.67 lbs pyraclostrobin per gallon.

EPA Reg. No. 7969-403 **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 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.
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.
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. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt, long pants, shoes and socks
- Waterproof or chemical-resistant gloves (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils)
- Chemical-resistant apron required when mixing/loading or cleaning equipment.

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

Pyraclostrobin 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 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 including ponds, streams, and springs will reduce the potential loading of pyraclostrobin 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 (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mils)
- 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.

(continued)

STORAGE AND DISPOSAL *(continued)*

Container Handling *(continued)*

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

Navicon® Intrinsic® brand fungicide is a broad-spectrum suspension concentrate fungicide containing the active ingredients mefentrifluconazole and pyraclostrobin for use in non-residential turfgrass.

Preventive applications of **Navicon® Intrinsic® brand fungicide** optimize disease control, resulting in improved plant health.

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

Mode of Action

Each of the components in **Navicon® Intrinsic® brand fungicide** provides a different mode of action against plant pathogenic fungi.

Mefentrifluconazole 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.

Pyraclostrobin belongs to the group of respiration inhibitors classified by the US EPA and Canada PMRA as quinone outside inhibitors (QoI) and classified by FRAC as **Group 11** fungicides.

Resistance Management

For resistance management, please note that **Navicon® Intrinsic® brand fungicide** contains both a **Group 3** (mefentrifluconazole) and **Group 11** (pyraclostrobin) fungicide. Any fungal population may contain individuals naturally resistant to **Navicon® Intrinsic® brand fungicide** and other **Group 3** or **Group 11** fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same treatment area. Appropriate resistance-management strategies must be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **Navicon® Intrinsic® brand fungicide** or other **Group 3** or **Group 11** fungicides within a seasonal 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 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 **Navicon® Intrinsic® brand 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 **Navicon® Intrinsic® brand fungicide** in a preventive disease management program.
- Use 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 **Navicon® Intrinsic® brand fungicide**. **Nutra-Sol®** and **Neutralize™** tank cleaners can be used to remove residues before and after **Navicon® Intrinsic® brand fungicide** application. Flush system with clean water.
- Before large-scale use, apply the specified rate of **Navicon® Intrinsic® brand fungicide** on a small test area under expected growing conditions. Monitor for turfgrass injury for 14 days after application.

Restrictions

- **DO NOT** use on residential turfgrass.
- **DO NOT** use on athletic fields.
- **DO NOT** apply more than two sequential applications of **Navicon® Intrinsic® brand fungicide** before alternating to a **non-Group 3** and **non-Group 11** fungicide, unless otherwise specified.
- **DO NOT** apply by aerial equipment.
- **DO NOT** apply through any type of irrigation equipment.
- **DO NOT** apply when treatment area is under stress from heat, cold, drought, or other conditions that could affect efficacy.

Use Rate Conversion		
fl ozs product/A	lb mefentrifluconazole/A	lb pyraclostrobin/A
0.7	0.009	0.009
0.85	0.011	0.011
30.5	0.398	0.398
37	0.483	0.483

Ground Application

- **Navicon® Intrinsic® brand 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 **Navicon® Intrinsic® brand 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.
- For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases.

MANDATORY SPRAY DRIFT REQUIREMENTS

Ground Boom 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 select nozzle and pressure that deliver uniform application and desired spray quality. A medium or coarser droplet size is preferred (ASABE S572).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.
- Apply only when the potential for drift to adjacent sensitive areas (e.g. bodies of water or non-target crops) is minimal and when wind is blowing away from sensitive areas.

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 turfgrass 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.

Boomless 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.

Navicon® Intrinsic® brand 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 **Navicon® Intrinsic® brand fungicide** with other products.

Mixing partners (products including stickers, extenders, wetting agents, spray adjuvants) are typically not necessary for use with **Navicon® Intrinsic® brand fungicide**; however, when such products are used, ensure they are labeled for use on turfgrass. 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.

The use of 100% formulated organosilicone products has been shown to be injurious; however, commercial blends may be safe under grower conditions. Test the product combination on a sample of the plants to be treated to ensure a phytotoxic response will not occur before large-scale use.

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 **Navicon® Intrinsic® brand 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** [such as ammonium sulfate (AMS) or urea ammonium nitrate (UAN) when applicable]
8. **Remaining quantity of water**

Turfgrass

	Disease Controlled	Rate (fl ozs product) per 1000 sq ft	Rate (fl ozs product) per acre	Application Interval (days)
Apply Preventively when Conditions Favor Disease	Anthracnose *Colletotrichum graminicola* Brown patch [1] *Rhizoctonia solani* LP 2,2 Fusarium patch [2] *Microdochium nivale* Gray leaf spot *Pyricularia grisea* Leaf spot *Bipolaris* spp., *Drechslera* spp., *Exserohilum* spp. Melting out *Drechslera poae* Pink patch *Limonomyces roseipellis* Powdery mildew *Blumeria graminis* Rapid blight [3] *Labyrinthula terrestris* Red thread *Laetisaria fuciformis* Rhizoctonia leaf and sheath spot (Mini ring) [4, *] *Rhizoctonia zeae* Take-all root rot of warm season turfgrasses (formerly known as Bermudagrass decline) [5] *Gaeumannomyces graminis* var. *graminis* Rust *Puccinia* spp., *Uromyces* spp.	0.7 to 0.85	30.5 to 37	14 to 28

[1] Use the shorter interval when prolonged favorable disease conditions exist.
[2] Apply in the absence of snow cover.
[3] Sequential application is advised; if using low rate on 28-day interval include mancozeb-based fungicide.
[4] Rhizoctonia infection can occur under warm, humid conditions on both cool-season and warm-season turfgrass. This disease has been associated with localized dry spots, and necrotic ring symptoms can form. Apply with soil wetting agent if needed.
[5] Make up to 2 applications 14 to 28 days apart in fall and up to 2 applications 28 days apart in spring. Make no more than 3 applications per acre per year. Product rotations must follow applicable labels and should target the pathogen. For best results, apply 0.25 inches irrigation following application.
* For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases.

(continued)

Turfgrass
(continued)

	Disease Controlled	Rate (fl ozs product) per 1000 sq ft	Rate (fl ozs product) per acre	Application Interval (days)
Apply Preventively when Conditions Favor Disease *(continued)*	Take-all patch [6, *] *Gaeumannomyces graminis* var. *avenae* Yellow tuft (Downy mildew) *Sclerophthora macrospora*	0.7 to 0.85	30.5 to 37	14 to 28
	Necrotic ring spot [7, *] *Ophiosphaerella korrae*	0.85	37	14 to 28
	Pythium blight [8] *Pythium* spp., *P. aphanidermatum*			10 to 14
	[6] Make up to 2 applications 14 to 28 days apart in fall and up to 2 applications 28 days apart in spring. Make no more than 3 applications per acre per year. [7] Aids in control of necrotic ringspot. Apply in spring, fall, or winter when conditions favor disease. [8] When symptoms or severe disease pressure exist, tank mix **Navicon® Intrinsic® brand fungicide** with a **non-Group 11** fungicide labeled for Pythium blight control. * For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases.			
Apply Preventively or at Earliest Sign of Disease	Brown ring patch (formerly known as Waitea patch) [9, *] *Rhizoctonia circinata* var. *circinata*	0.7	30.5	14
	Dollar spot *Clarireedia homoeocarpa*, *Clarireedia* spp. (formerly known as *Sclerotinia homoeocarpa*)	0.7 to 0.85	30.5 to 37	14 to 28
	Pythium root dysfunction [10, *] *Pythium* spp., *P. volutum* Pythium root rot [10, *] *Pythium* spp.	0.85	37	14 to 28
	Fairy ring [11] Various *Basidiomycete fungi*			28
	[9] Use 2 to 4 gallons of spray volume per 1000 sq ft with soil wetting agent. Apply short irrigation cycle immediately after treatment to move fungicide through thatch. Brown ring patch symptoms may take 2 to 3 weeks to disappear after application. [10] Under severe disease pressure use shorter interval and rotate with a **non-Group 11** fungicide labeled for Pythium root rot control. If symptoms are already present apply a **non-Group 11** fungicide labeled for curative Pythium root rot control and rotate to a combination product containing the active ingredients fluxapyroxad and pyraclostrobin. [11] Apply 0.25-inch of irrigation following application; including a soil wetting agent prior to or at application can improve product movement downward and into contact with *Basidiomycete fungi*. A sequential application is recommended during healing of fairy ring symptoms. * For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases.			

(continued)

Turfgrass
(continued)

	Disease Controlled	Rate (fl ozs product) per 1000 sq ft	Rate (fl ozs product) per acre	Application Interval (days)
Apply Preventively in Fall	Large patch (Brown patch of warm-season turfgrass) [12, *] *Rhizoctonia solani* LP 2,2	0.7 to 0.85	30.5 to 37	14 to 28
	Gray snow mold [13] *Typhula incarnata*, *T. ishikariensis* Pink snow mold [13] *Microdochium nivale*	0.85	37	
	Spring dead spot [14, *] *Ophiosphaerella* spp., *O. herpotricha*, *O. korrae*			28
	[12] Apply in fall before or at earliest sign of disease. Make a sequential application with **Navicon® Intrinsic® brand fungicide** or a product containing the active ingredient fluxapyroxad before turf dormancy. Reapply in spring at greenup if necessary. [13] Make 2 applications 14 to 28 days apart in late fall just before snow cover. For optimum control before extended periods of snow cover, tank mix 1 or 2 applications with a **non-Group 3** or **non-Group 11** fungicide labeled for this disease. [14] Make 2 applications in fall (targeting 70°F soil temperature) or one application followed by a combination product containing the active ingredients fluxapyroxad and pyraclostrobin. * For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases.			
Apply Preventively in Spring	Summer patch [15, *] *Magnaporthiopsis poae*	0.7 to 0.85	30.5 to 37	14 to 28
	[15] Begin application in spring when soil temperatures reach 60°F to 65°F at 2-inch soil depth, or by local guidance. * For best results, apply 0.25 inch post-application irrigation when targeting soilborne diseases.			

Restrictions

- The minimum re-treatment interval is 10 days.
- **DO NOT** apply more than 37 fl ozs (0.48 lb mefentrifluconazole, 0.48 lb pyraclostrobin) per application per acre (0.85 fl oz per 1000 sq ft).
- **DO NOT** make more than 3 applications per acre per year.
- **DO NOT** apply more than 111 fl ozs (1.45 lbs mefentrifluconazole, 1.45 lbs pyraclostrobin) per acre per year (2.55 fl ozs per 1000 sq ft).
- **DO NOT** apply more than a cumulative total of 1.83 lbs ai/acre/year of mefentrifluconazole-containing products.
- **DO NOT** apply more than a cumulative total of 3.0 lbs ai/acre/year of pyraclostrobin-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

***Intrinsic**, **Navicon**, and **Nutra-Sol** are registered trademarks of BASF.*

***Neutralize** is a trademark of BASF.*

© 2021 BASF Corporation
All rights reserved.

007969-00403.20210310b.**NVA 2021-04-571-0070**
Supersedes: NVA 2020-04-571-0101

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

We create chemistry

OPTIMIZER®

Green Shade

Green Pigment Spray Additive

- Improves turf appearance and quality
- Blends uneven coloration due to stress, cultivar variance and phytotoxicity
- Visual aid for improved spray applications

FOR PROFESSIONAL USE ONLY

WARNING: Keep Out of Reach of Children

8014 Cumming Highway
Suite 403-282
Canton GA 30115

Net Contents: 1 Gallon (3.8 L)

United Turf Alliance

OPTIMIZER®
Green Shade

Optimizer® Green Shade is a green pigment spray additive that improves turf appearance while serving as a spray pattern indicator. **Optimizer** may be tank mixed with fungicides, herbicides, insecticides and wetting agents. It can be used on golf courses, sports fields, or other managed turf areas.

- **Improves turf appearance and quality**
- **Blends uneven coloration due to stress, cultivar variance and phytoxicity**
- **Visual aid for improved spray application**

Note: Care should be taken to avoid overspray on concrete, brick or other non target surfaces. **Optimizer Green Shade** is a long lasting colorant on these surfaces and will not wash off.

Application Directions and Use Rate:
15-20 fl oz per acre of turf applied in a minimum of 50 gallons of water per acre. **Optimizer Green Shade** may be used as a regular component of a spray program. Shake well before using. Maintain agitation in the spray tank after mixing. Clean tank prior to **Optimizer** solution drying to ensure removal from tank.

WARNING
Keep out of the reach of children.

PRECAUTIONARY STATEMENTS

May be harmful if swallowed. Causes mild skin irritation. Causes eye irritation. May be harmful if inhaled. If medical advice is needed, have product container or label at hand. Read label before use. Wash protective equipment and work clothes thoroughly after handling.

STORAGE

Store in original container only and keep sealed. Store in closed storage areas. Use caution when moving, opening, closing or pouring. Wear safety glasses and protective clothing when handling this product.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by Federal, State and local authorities.

WARRANTY STATEMENT

NOTICE: The statements on this label are believed to be true and accurate, but because use conditions are beyond our control, UTA, does not make, nor does it authorize any agent or representative to make any oral or written warranty, guarantee, or representation, expressed or implied, concerning this material or the use thereof beyond the statements on the label. Neither UTA nor the seller shall be held responsible in any manner for any claim, personal injury, or property damage or loss resulting from handling, storage, or use of this material not in accordance with the written directions. The buyer assumes all risk and liability resulting from handling, storage, or use, and purchaser accepts and uses this material on these conditions. No other warranty exists.

Optimizer is a registered trademark of United Turf Alliance LLC

SIGNAL™

SPRAY PATTERN INDICATOR

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

If medical advice is needed, have product container or label at hand. Read label before use. Avoid breathing mist, vapors and spray. Do not get in eyes, on skin, or on clothing. Wash protective equipment and work clothes thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Dispose of contents/container to an approved waste disposal plant.

FIRST AID

If Swallowed: Rinse mouth. 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. Treat symptomatically.

If Inhaled: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

If on Skin: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention.

GENERAL INFORMATION

SIGNAL is a concentrated, temporary, blue spray pattern indicator and solution colorant designed to be added to pesticides and other liquid spray solutions. SIGNAL provides highly visible evidence of where a spray application has been made. SIGNAL eliminates waste due to overlapping and skipping, while it indicates drift and improper application.

SIGNAL easily dissipates, is nontoxic and totally compatible with water-soluble solutions. SIGNAL is designed both for agricultural and non-crop uses. It is ideal for golf courses, parks, cemeteries, athletic fields, lawn care maintenance, utility rights-of-way, forestry and any large turf or grass areas.

DIRECTIONS FOR USE

FOR USE WITH PESTICIDES REGISTERED FOR AQUATICS, FORESTRY, INDUSTRIAL, MUNICIPAL, NON-CROPLAND, RIGHTS-OF-WAY, TURFGRASS AND OTHER APPROPRIATE USES.

USE RATES

Broadcast and Handgun Applications: 32 ounces per 100 gallons (1 L per 400 L) of spray solution.
Back-Pack Sprayers: 2 – 4 ounce per 3 gallons (59 – 118 ml per 11.35 L) of spray solution.
Turf or weed color, height, and individual water conditions, such as hardness, pH, iron content, etc., may dictate variations from the suggested use rates. Higher application volumes may require adjusting the use-rate of SIGNAL accordingly. Sight adjustment is recommended.

MIXING:

In the absence of specific mixing instructions found on the pesticide label, fill the spray tank with at least 50% of the desired finished carrier volume. When premixing in a mixing vessel or inductor, fill with at least 20% of the desired finished carrier volume. While the carrier is agitating, add tank mix ingredients in the following order:

1. Compatibility agent, if needed.
2. Dry formulations (WP, DF, WDG, SP) and dry drift retardants.
3. Liquid drift retardants and flowable formulations (F and FL).
4. Microencapsulated and suspension concentrates (ME and SC).
5. Emulsifiable concentrates (E, EL or EC).
6. Solutions (S, L and LC), micronutrients, liquid or suspension fertilizers.
7. Adjuvants (COC, HSOC, MSO, NIS) and/or water conditioning agents.
8. Finish filling to desired spray volume level and continue agitation.

STORAGE AND DISPOSAL

PROTECT PRODUCT FROM FREEZING. Store or transport above 32°F. If product freezes, warm to room temperature before use. Store in original container only and do not reuse empty container. Rinse container thoroughly and dispose of the container in accordance with federal, state and local regulations.

CONDITIONS OF SALE

Read the information contained herein before buying or using this product. If the stated terms are not acceptable, return the product at once unopened. It is critical that this product be used and mixed only as specified on this label. Neither the manufacturer nor the seller makes any representation or warranty, expressed or implied, with respect to the results from the use of this material. Buyer and user assume all risks of use and/or handling. Precision Laboratories, LLC warrants that this material is reasonably fit for use as specified on this label. No agent or representative is authorized to make any other representations concerning this material. Unforeseen factors beyond Precision's control prevent elimination of risks in connection with the use of its chemicals. Such risks include, but are not limited to, damage to plants and/or crops to which the material is applied, or lack of complete control and damage caused by drift to other plants or crops. Such risks may occur even though the product is reasonably fit for use as stated herein and even though label directions are followed. Follow directions carefully. Timing, mixture, method of application, weather and other conditions are influencing factors in the use of this product and are beyond the control of the seller. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the company or any other seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.

S P E C I M E N L A B E L

SIGNAL is a trademark of Precision Laboratories, LLC
© PRECISION LABORATORIES, LLC, Waukegan, IL 60065 USA
For 24-hour emergency service when using this product in the USA and Canada, call: 1-800-424-9300
For 24-hour technical assistance when using this product in the USA and Canada, call: 1-800-323-8351
Made in the USA

Precision Laboratories, LLC
1429 S. Shields Dr., Waukegan, IL 60085
Phone: (847) 596-3001 Fax: (847) 596-3017
Customer Service: (800) 323-6280
E-Mail: info@precisionlab.com
Web Site: www.precisionlab.com

QUALI-PRO

GROUP	1	2	3	M	FUNGICIDES

ENCLAVE®

Flowable Fungicide

A broad-spectrum combination of contact and systemic fungicides with multi-site mode of action for control of snow mold, spring, summer and fall turf diseases of non-residential turf and ornamentals.

ACTIVE INGREDIENTS:	% BY WT.
Chlorothalonil (tetrachloroisophthalonitrile)	28.7%
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide)	9.4%
Thiophanate methyl: (dimethyl[(1,2-phenylene)-bis(iminocarbonothioyl)]bis[carbamate])	9.4%
Tebuconazole: alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol	2.8%
OTHER INGREDIENTS:	49.7%
TOTAL:	100.0%

Contains 3.0 pounds of chlorothalonil per gallon.
Contains 1.0 pounds of iprodione per gallon.
Contains 1.0 pounds of thiophanate methyl per gallon.
Contains 0.3 pounds of tebuconazole per gallon.

EPA Reg. No. 53883-309

EPA Est. No. 37429-GA-001[BT], 37429-GA-002[BO]
Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

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 a 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 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 SafetyCall® at (866) 897-8050 for emergency medical treatment information.	

See inside booklet for complete First Aid, Precautionary Statements, Directions for Use, and Conditions of Sale and Warranty.

Manufactured for: Control Solutions, Inc.,
5903 Genoa - Red Bluff, Pasadena, TX 77507-1041

Net Contents: 2.5 gallons (9.48 liters)

SPECIMEN

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. 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 barrier laminate, butyl rubber (≥ 14 mils), neoprene rubber (≥ 14 mils) and polyethylene. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Mixers, loaders, and applicators who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves Category A such as barrier laminate, butyl rubber, nitrile or neoprene rubber, polyvinyl chloride or Viton.
- Protective eyewear
- Chemical-resistant apron for mixers, loaders, and other handlers exposed to the concentrate.

User Safety Requirements: 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 and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

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.

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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided with all of the 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mammals, 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. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **Do not** contaminate water when disposing of equipment washwater or rinsate.

GROUND WATER ADVISORY: Chlorothalonil, iprodione and tebuconazole are 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 groundwater contamination.

SURFACE WATER LABEL ADVISORY: This product may contaminate water through drift or spray in wind. Under some conditions, it may also have a high potential for runoff into surface waters for several days to weeks after application. Poorly draining soils, wet soils with readily visible slopes toward adjacent surface waters or soil 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use with or store near any oxidizing or reducing agents.

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.

Do not apply when wind speed favors drift beyond the area intended for treatment.

AGRICULTURAL USE REQUIREMENTS

Use this product 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 (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 for all crops.

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

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. The area treated must be vacated by unprotected persons.

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

Do not treat areas while unprotected humans or domestic animals are present in the treatment area. Because certain States may require more restrictive reentry intervals, consult your State Department Agriculture for further information.

GENERAL PRECAUTIONS

ENCLAVE can be used effectively in dilute or concentrate sprays. Thorough, uniform coverage is essential for disease control. Do not combine ENCLAVE in a spray tank with pesticides, surfactants, or fertilizers, unless prior use has shown the combination to be physically compatible, effective, and non-injurious under your conditions of use. Do not combine ENCLAVE with DiPel® 4L, Foil®,Triton AG-98®, Triton B-1956™ as phytotoxicity may result.
Note: Prior to pouring, slowly invert container several times to assure uniform mixture.

The required amount of ENCLAVE should be added slowly into the spray tank during filling. With concentrate sprays, premix the required amount of ENCLAVE in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations. Dosage rates on this label indicate fl.oz. (fluid ounces) of ENCLAVE per 1,000 square feet or pints per acre, unless specified otherwise. Under conditions favoring disease development, the high rate specified and shortest application interval should be used.

APPLICATION PRECAUTIONS AND REQUIREMENTS

This product must not be applied within 25 feet for ground applications near marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

PRODUCT INFORMATION

ENCLAVE is a flowable product containing fungicides with multiple modes of action, to provide broad-spectrum preventative and curative control of all major turf diseases that injure cold- and warm-season turf on golf courses.

Apply ENCLAVE with ground equipment using sufficient volume of spray to provide thorough coverage. Do not tank mix

with highly alkaline pesticides such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Use the higher rate under conditions of severe disease pressure. Also, see local State Extension Service instructions for application schedules.
Use the fl.oz./1,000 square feet rate for dilute ground application. Higher spray volume will result in better coverage and better disease control.

When an adjuvant is to be used with this product, Control Solutions, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.
The state of Arizona has not approved this product for use on agricultural commodities. If grown for commercial production, use on turf being grown for sale or other commercial uses such as sod and greenhouse or nursery sites/crops grown for commercial production is prohibited.

RESISTANCE MANAGEMENT

ENCLAVE is effective for strategies designed to minimize the risk of disease resistance that could otherwise develop by continuous use of single-site mode of action fungicides. To avoid the development of tolerant or resistant strains of fungi, ENCLAVE should be alternated with a fungicide of different chemistry such as one from the strobilurin (QoI) class (FRAC Code 11) for season-long programs. DO NOT USE PRODUCTS CONTAINING THIABENDAZOLE OR OTHER PRODUCTS CONTAINING THIOPHANATE METHYL IN COMBINATION OR IN ROTATION WITH ENCLAVE. As long as these precautions are followed, ENCLAVE can be useful for disease control even if resistant strains are present.

SPRAY PREPARATION

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water. Prepare a suspension of ENCLAVE in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of ENCLAVE and then the remaining volume of water.

TURFGRASS DISEASE CONTROL*

USE DIRECTIONS

ENCLAVE may be used with most types of spray equipment commonly used for making ground applications. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control. Use ENCLAVE against certain foliar and soil diseases for use on all turf types to include golf course tees, greens, aprons, fairways and roughs. Do not use on home lawns and turf sites associated with apartment buildings, daycare centers, playgrounds, playfields, recreational park athletic fields located on or next to schools (i.e., elementary, middle, and high schools), campgrounds, churches, and theme parks.
NOTES:

- Use ENCLAVE both preventatively and curatively; it is not phytotoxic on turfgrass.
- For use only by certified applicators and those under their direct supervision.
- ***Do not** use ENCLAVE on turf being grown for sale or other commercial uses such as sod.
- Not for Homeowner Use.
- **Do not** apply by air or through any type of Ultra Low Volume (ULV) spray system (<5 gallons per acre).

Mixing Instructions: Add the required amount of ENCLAVE to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation to keep the material in suspension. For best results, use spray mixture the same day it is prepared. When tank mixing other products with ENCLAVE, follow the proper sequence of additions to the spray tank. Dissolve any product in water-soluble packaging fully before adding water dispersible granules or wettable powders. Following uniform dispersion of any dry products within the tank, suspension concentrates such as ENCLAVE can be added. Emulsifiable concentrates should be added last.

Turf Types: All golf course related cool- and warm-season grasses (such as but not limited to Bentgrasses, Bermudagrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustinegrasses and Zoysiagrasses) or their mixtures.
Controlling Turf Disease: Applications are warranted when conditions favor development of disease. Continue applications within the limitations recited below for as long as these conditions persist. For severe disease pressure, select the highest rate and shortest interval corresponding to the Rate and Remarks found in the table below.
Retreatment Intervals: The minimum retreatment interval for ENCLAVE applications is 14 days at the 3 - 4 fl.oz. per 1,000 sq.ft. rate, and 21 days at the 5-6 fl.oz. rate, and 28 days at the 7 - 8 fl.oz. rate.

Turf Application Directions:
Apply ENCLAVE uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or

avoid mowing for 12 hours after application. Apply sufficient water to obtain thorough coverage; usually 1½ to 2½ gallons per 1,000 sq.ft. turf area or 65 - 100 gallons of water per acre. When treating golf course greens, always treat aprons and approaches to golf greens.

Retreatment (Spray) Intervals:

Greens and Tees: Make 14 - 28 day intervals as required. When disease pressure is high, it is recommended to use a retreatment interval of 14 days at the rate of 4 fl.oz. per 1,000 sq.ft.

Fairways and other Turf Areas: Make repeat applications at 14 - 28 day intervals as required.

***Use Restriction:**

In the State of new York, the maximum allowable use rate for tebuconazole on golf course greens, aprons and tees is 22 fl. oz./1000 sq. ft. (which is 2.2 lb. active tebuconazole per treated acre) per year inclusive of all tebuconazole formulations applied. For instance, four sprays of EnCLAVE at 3 fl. oz./1000 sq. ft. would still permit one spray of EnCLAVE in the autumn at the rate of 8 fl. oz./1000 sq. ft. for snow mold control.

ENCLAVE: APPLICATION RATES AND RETREATMENT INTERVALS FOR THE CONTROL OF DIFFERENT DISEASES*

DISEASE(S) CONTROLLED	RATE OF ENCLAVE fl.oz./1,000 sq.ft.**	REMARKS
Anthracnose (Basal*** and Foliar) (Colletotrichum cereale)	3.0 - 4.0 (14 - 21 day interval) 4.0** (14 day interval) 7.0 - 8.0 (28 day interval)	Use preventatively. Make additional applications at no less than 14-day intervals as needed. Allow spray to dry on leaves with no watering in.
Dollar Spot (Sclerotinia homoeocarpa) Copper Spot (Gloeocercospora sorghi) Brown Patch and Zoysia Patch (Rhizoctonia solani) Red Thread (Laetisaria fuciformis)	3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval)	Apply when disease first appears. Make additional applications as needed. Allow spray to dry on leaves with no watering in.
Pink Snow Mold (Microdochium nivale) (Only for those areas where snow cover is not present the entire winter)	7.0 - 8.0 (28 day interval)	Apply ENCLAVE in mid to late November before turf has stopped all growth activity. For best results, use a spreader-sticker. Leave on leaf surfaces with no watering-in. Minimum spray interval is 28 days.
Gray Leaf Spot (Pyricularia grisea)	3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval)	Apply when conditions are favorable for disease development. Continue at 14-day intervals. Let spray dry on leaves with no watering in.
[1]Summer Patch (Magnaporthe poae)	3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0[2] (28 day interval)	For preventative treatment, make 3 applications at 28-day intervals beginning in early May. Water product into the root zone thoroughly after application. If treatment is begun after the disease first appears, apply the 4 fl.oz. rate twice at 14-day intervals. Otherwise, use the 8 fl.oz. rate at 28-day intervals.
Fusarium Blight (Fusarium roseum) [1]Necrotic Ring Spot and [1]Spring Dead Spot (Leptosphaeria korrae)	3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval)	Make two applications at 14 to 28-day intervals beginning applications when the disease first appears.
[1]Stripe Smut (Ustilago striiformis)	3.0 - 4.0 (14 - 21 day interval) 7.0 - 8.0 (28 day interval)	Make two applications at 14-day intervals when disease first appears. For prevention, apply in spring before grass growth and in the fall.
Gray (Typhula spp.) and Pink Snow Mold (Microdochium nivale) Fusarium patch (Where snow cover is present the entire winter)	7.0 - 8.0 (28 day interval)	Apply ENCLAVE once in middle October to late November before snow cover. Do not apply on top of snow. Lightly water application into the root zone for best results. Tees and Greens Only: If conditions are favorable for Fusarium, a second application can be made at a minimum 28-day interval.

SPECIMEN

*In New York, the maximum allowable use rate for tebuconazole on turf greens is 2.2 lb. active ingredient per treated acre per year inclusive of all tebuconazole containing formulations. Because each fl. oz. of ENCLAVE applied to turf is the equivalent of applying 0.1 lb. active tebuconazole/acre, the maximum allowable use rate of ENCLAVE in New York is 22 fl. oz./1000 sq. ft. unless other tebuconazole formulations have been applied to the greens in the same year.
**Refer to the use sites and maximum application rates table below to determine the maximum allowable rates for each application and for the season.
***Use the higher rate of 4 fl.oz. and shorter intervals of 14 days for Basal Anthracnose

[1] Not for use in California.
[2] Use in California allowed at the high rate only (8 fl. oz./1,000 sq. ft.).

ENCLAVE: MAXIMUM RATES PER APPLICATION AND PER GROWING SEASON FOR DIFFERENT USE SITES

Site	Maximum single Application Rate fl.oz./1,000 sq.ft.	Maximum Appl. Rate fl. oz/1,000 sq. ft./year	Maximum Appl. Rate (Pints/Acre/year)
Golf course green/aprons	8	44 (22 in New York)	120 (60 in New York)
Golf Course (Tees)	8	44 (22 in New York)	120 (60 in New York)
Golf Course Fairways (outside FL)	8	16	43.6
Golf Course Fairways (Florida only)	8	8	21.8
Golf Course Roughs (outside FL)	8	16	43.6
Golf Course Roughs (Florida only)	8	8	21.8

Note to User: Do not graze animals on treated turf. Do not feed clippings to livestock or poultry. In New York, do not exceed 22 fl. oz. /1000 sq. ft. per year on aprons, greens and tees or 60 Pints/Acre.

Maximum ENCLAVE Application Rates per Year:

- **Tees, Greens and Aprons:** Do not apply more than 44 fl.oz. ENCLAVE per 1,000 sq.ft. (120 pints/acre) per year. Do not apply more than 4 fl.oz. of ENCLAVE per 1,000 sq.ft. at a 14-day interval, or 8 fl.oz. per 1,000 sq.ft. at a 28-day retreatment interval. Apply ENCLAVE in at least 1½ to 2½ gallons of water per 1,000 sq.ft. when used in turf areas. When treating golf course greens, always treat aprons and approaches to golf greens.
- **Fairways:** Do not apply more than 16 fl.oz. ENCLAVE per 1,000 sq.ft. (43.6 pints/acre) per year. Do not apply more than 4 fl.oz. of ENCLAVE per 1,000 sq.ft. at a 14-day retreatment interval, or 8 fl.oz. per 1,000 sq.ft. at a 28-day interval.
- **Fairways in Florida:** Do not apply more than 8 fl.oz. ENCLAVE per 1,000 sq.ft. (21.8 pints/acre) per year. Do not apply more than 4 fl.oz. of ENCLAVE per 1,000 sq.ft. at a 14-day interval, or 8.0 fl.oz. per 1,000 sq.ft. at a 28-day interval. The maximum single application on fairways in Florida is 8.0 fl.oz. per 1,000 sq.ft.

Apply ENCLAVE in at least 1½ to 2½ gallons of water per 1,000 sq.ft. of turf, or 65 - 100 gallons of water per acre. Higher spray volumes will result in better coverage and better disease control.

HORTICULTURAL DISEASE CONTROL*
(GREENHOUSE, NURSERY, AND LANDSCAPE)
USE DIRECTIONS

ENCLAVE provides broad-spectrum control of many foliar, stem, and below-ground diseases on a wide range of horticultural plants grown or maintained under a variety of conditions. Apply ENCLAVE prior to when a particular disease usually appears and at the very latest, upon first sign of disease. Use 14 - 28 day spray intervals. Add an acceptable wetting agent to the spray tank to increase product efficacy for hard-to-wet foliage. Use a spreader-sticker when excessive and repeated foliar wetting occurs. Use ENCLAVE to control listed diseases on non-commercial fruit and nut trees. Do not use fruit or nuts from trees treated with this product as food. Do not apply this product to home orchards or backyard fruit trees after fruit set.

Note: ENCLAVE has been determined to be safe for use on the plant types listed in these directions for use based on cumulative data derived from research trials and historical field use. As all species and cultivars have not been tested, perform trial applications if a user wishes to make an application to a plant type not listed on the label but found on a similar use site and for disease that is listed on the label. To conduct a trial application, apply at least two applications to at least 25 trial plants at the highest concentration, 7 days apart. Evaluate 7 days after the last application before initiating full-scale application. Do not use this product on the following plants: Swedish Ivy (Nephrolepsis exaltata), Boston Fern (Plectranthus australis), and Easter Cactus (Hatiora gaertneri).

ENCLAVE: ORNAMENTAL - PLANT TYPES TO BE USED ON

PLANT TYPE	
Herbaceous Bedding	Ageratum, Begonia, Canna, Coleus, Dahlia, Dusty Miller, Foxglove, Fuchsia, Geranium, Impatiens, Lavender, Marigold, Pansy, Petunia, Pinks, Primrose, Salvia, Statice, Strawflower, Tickseed, Verbena
Flowering	Chrysanthemum, Hydrangea, Hollyhock, Iris, Lily, Poinsettia
Tropical Foliage	Dieffenbachia, Dracaena, English Ivy, Philodendron, Pothos
Woody Ornamentals	Azalea, Hibiscus, Holly, Ligustrum, Rhodendrum, Rose, Pyracantha
Evergreen Trees	Douglas Fir, Fir, Larch, Pine, Spruce
Deciduous Trees*	Ash, London Plane, Maple, Oak, Sycamore, Walnut
Flowering Trees*	Cherry, Crabapple, Hawthorn, Mountain Ash, Pear

*Do not use fruit or nuts from treated trees as food or feed.

ENCLAVE: ORNAMENTALS AND DISEASES TO BE CONTROLLED

DISEASE(S)	PLANT TYPES
Anthracnose	Woody ornamentals, shade trees1
Ascochyta Blight	Herbaceous ornamentals
Black spot	Roses
Botrytris (Gray Mold)	Woody and herbaceous ornamentals
*Brown Rot	Woody and herbaceous ornamentals
Colletotrichum	Woody and herbaceous ornamentals
Cercospora Leaf Spot	Woody and herbaceous ornamentals
Corynespora Leaf Spot	Ligustrum
Didymellina Leaf Spot	Iris
Diplodia Tip Blight (Diplodia pinea)	Shade and ornamental trees
Ovulinia	Azalea, rhododendron2
Entomosporium Leaf Spot	Woody and herbaceous ornamentals
Fusicaladium Leaf Scab	Woody and herbaceous ornamentals
*Phomopsis Blight	Woody and herbaceous ornamentals
Pine Tip Blights	Woody ornamentals
Powdery Mildew	Woody and herbaceous ornamentals, ornamental nut and fruit trees
*Rust Diseases	Ornamental nut and fruit trees
Ramularia Leaf Spot	Herbaceous ornamentals
Scab	Pyracantha, flowering crab, ornamental fruit and nut trees
Septoria Leaf Spot	Woody and herbaceous ornamentals
Venturia Leaf Scab	Woody and herbaceous ornamentals

[1]Begin at bud and make 2 or 3 additional applications at 14-day intervals.
[2] Begin treatments as flowers open. Addition of a spray surfactant to the spray mixture improves distribution of the spray on hard-to-wet plants.
*Not for use in California.

ORNAMENTAL FOLIAR SPRAY RESTRICTIONS

Maximum Single Application Rates:

Ornamentals: Do not exceed the maximum single application rate of 11 pints per acre.

Cut Flowers: Do not exceed the maximum single application rate of 8 pints ENCLAVE per acre.

Seasonal Maximum Application:

All Ornamentals: Do not apply more than 43.6 pints ENCLAVE per acre per season.

Hydraulic Application Mixing Instructions:

Add the required amount of ENCLAVE to a partially filled spray tank agitated by mechanical or hydraulic means and then add the remaining volume of water. Maintain continuous agitation to keep the material in suspension and apply with properly calibrated spray equipment.

Application Concentrations (Mechanical or Hand-Held):

Use the labeled amount of ENCLAVE per 100 gallons of water or in sufficient water to apply to the point of runoff per acre, for the prevention and control of the diseases shown below.

Not for use in the state of Arizona on Greenhouse or Nursery plants grown for commercial sale.

ENCLAVE: APPLICATION RATES TO CONTROL DIFFERENT DISEASES

DISEASE(S) CONTROLLED	CONCENTRATION OF ENCLAVE fl.oz./100 Gallons or pints/Acre	REMARKS
Anthracnose (Colletotrichum)	32 - 44 oz per 100 gal or 8 – 11 pts per acre	Apply as buds break or at first sign of disease. Repeat application at 14-21 day intervals as needed during disease period.
Black Spot of Rose (Diplocarpon rosae)	32 - 44 oz per 100 gal or 8 – 11 pts per acre	Apply early summer or at first sign of disease. Repeat application every 14-21 days as needed during disease period.
*Brown Rot and *Blight (Monilinia, Sclerotinia, Whetzellinia)	32 - 44 oz per 100 gal or 8 – 11 pts per acre	Apply late spring or at first sign of disease. Repeat application every 14-21 days as needed during the disease period.
Fusicladium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.	32 - 44 oz per 100 gal or 8 – 11 pts per acre	Apply as buds break. Repeat application every 14-21 days during disease period. Effective control requires coverage during expansion. Rotations with strobilurin (Qol) fungicides can be utilized.
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	32 - 44 oz per 100 gal or 8 – 11 pts per acre	Make applications when disease symptoms first appear. Repeat every 14-21 days during disease period. Rotations with strobilurin (Qol) can be used.
Ovulinia Blight	32 - 44 oz per 100 gal or 8 – 11 pts per acre	Apply as flowers open. Repeat every 14 to 21 days during disease period.
Powdery Mildews Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca	32 - 44 oz per 100 gal or 8 – 11 pts per acre	Apply when disease first appears and repeat application every 14 to 21 days. Rotations with other effective products can be used.
*Rust Diseases caused by: Puccinia, Gymnosporangium, Uromyces	32 - 44 oz per 100 gal or 8 - 11 pts per acre	Apply late spring or when symptoms first appear. Repeat applications every 14 to 21 days during disease period. Rotations with other effective products can be used.
Tip Blight of Pine Sphaeropsis sapinea, Diplodia pinea	32 - 44 oz per 100 gal or 8 - 11 pts per acre	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 14-21 days later. Ensure thorough coverage.
*Twig Blights, *Cankers, and *Diebacks Diaporthe, Kabatina, Phoma, Phomopsis	32 - 44 oz per 100 gal or 8 - 11 pts per acre	Apply when symptoms first appear. Repeat applications every 14 to 21 days during disease period.

Adjuvants: Where rainfall and/or overhead irrigation is the norm, use of a compatible spreader/sticker is suggested. Where wetting of foliage is difficult, use a compatible wetting agent. Follow the phytotoxicity precautions described in the **HORTICULTURAL APPLICATIONS** section of this label.

*Not for use in California

SPECIMEN

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in dry area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal instructions listed below.

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 (five gallons or less): 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 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. If recycling is not available, 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.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions 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 Control Solutions, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Control Solutions, Inc. 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 Control Solutions, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Control Solutions, Inc. 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 Control Solutions, Inc.'s election, the replacement of product.

Quali-Pro® is a registered trademark of Makhteshim Agan of North America, Inc.
Dipel® is a registered trademark of Valent BioSciences Corporation.
Latron B-1956® and Latron AG-98® are trademarks of Dow Agrosciences, LLC.
ENCLAVE is a registered trademark of Control Solutions, Inc.

QUALI-PRO

NOVALURON	GROUP	15	INSECTICIDE

SUPRADO

Insecticide

For control of listed insect pests in or on golf courses; sports and recreational turf; commercial sod farms; and lawns on and around residential, commercial and institutional properties

ACTIVE INGREDIENT:

Novaluron	10.0%
OTHER INGREDIENTS:	90.0%
TOTAL:	100.00%

Contains 0.89 lbs. novaluron per gallon.

ADAMA
Consumer & Professional Solutions

Control Solutions, Inc.
5903 Genoa Red Bluff
Pasadena, TX 77507

EPA Reg. No: 53883-480
EPA Est. No: 53883-TX-002
Net Contents: ONE GALLON

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 side panel(s) for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.

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.

HOT LINE 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 health concerns or medical emergencies), you may also contact SafetyCall® International at **1-844-685-9173**, twenty-four (24) hours per day, seven (7) days per week.

SPECIMEN

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands 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; and
- 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/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 clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to freshwater and estuarine/marine invertebrates. 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 product may contaminate water through drift of spray in wind. This product has a potential for runoff for several days to weeks after application. Poorly draining soil with shallow water tables is more prone to produce runoff. A level, well-maintained vegetative (grass) buffer strip between areas to which this product is applied and the 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 to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow coming in contact with Oxidizing agents. 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.

READ ALL DIRECTIONS COMPLETELY BEFORE USE.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance 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.

SPECIMEN

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); and
- 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 (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. The area treated must be vacated by unprotected persons.

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

Do not treat areas while unprotected humans or domestic animals are present in the treatment area. Because certain States may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.

PRODUCT INFORMATION

NOVALURON, the active ingredient in SUPRADO, is an **insect growth regulator** (IGR) that controls immature stages of listed insect pests. The primary mode of action is to disrupt cuticle formation and deposition when immature insects change from one developmental stage to another, resulting in death at molting. Due to this mode of action, SUPRADO has no curative effect on adults that no longer molt. Novaluron has the potential to reduce the number of offspring produced by adults in some species. Consult the "Application Instructions" section of this label for timing instructions on specific pests.

SUPRADO should not be expected to provide a rapid, knock-down effect. IGRs such as SUPRADO do not kill immature susceptible insects until the next time they molt. Due to this, it may be necessary to wait several days or weeks to accurately evaluate SUPRADO's efficacy, depending on target species life cycle and growth stages present.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, SUPRADO contains a Group 15 insecticide. Any insect population may contain individuals naturally resistant to SUPRADO and other Group 15 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 SUPRADO or other Group 15 insecticides within a growing season, or among growing seasons, with different Groups that control the same pests.
- Use tank mixtures with an insecticide from a different group that is 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.

SPECIMEN

    - Mixtures with components having the same IRAC mode of action classification are not recommended for IRM.
    - 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 IRM 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 IRM benefit 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 advisor for any additional IRM and/or IPM recommendations for specific site and pest problems in your area.
- For further information or to report suspected contact your local retailer or your local university extension specialist.

TANK MIXING: SUPRADO may also be used in 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. Test compatibility of the intended tank mixture before adding SUPRADO to the spray or tank mix. Add proportionate amounts of each ingredient to a pint or quart jar, cap, shake, and let set 15 minutes. Formation of precipitates that do not readily redisperse indicates an incompatible mixture that cannot be used. Add other products in the following order:

1. Water-soluble bags,
2. Wettable powders,
3. Dry flowables,
4. Liquid flowables,
5. Emulsifiable concentrates, and
6. Soluble materials such as fertilizers.

If tank mixing with other products, especially soluble fertilizers containing nitrogen or boron, allow products packed in water soluble bags to dissolve first. Read and follow label directions of all products used in the tank mix before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mix, the most restrictive situations must apply. Tank mixtures are permitted only in those states where the tank mix partner is registered.

TURFGRASS APPLICATIONS

SUPRADO may be used to control listed soil- and thatch-inhabiting insect pests on turfgrass including residential lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, athletic fields and sod farms.

For optimum control of listed pests, applications should be timed as described for each species in the table below. Application timing can be based on historical monitoring of the site, previous records or experiences, current season adult trapping, soap flushes, or consult your State Extension Turf Specialist for specific information concerning timing in your region.

SPECIMEN

Apply SUPRADO in sufficient water (minimum 2 gallons per 1,000 ft^2), depending on target pest, to provide adequate canopy and thatch penetration. Low volume applications (2 gallons per 1,000 ft^2) must be watered in immediately with 0.25" – 0.5" of irrigation to move the active ingredient into the thatch and soil unless directed otherwise below for a specific pest. The use of accurately calibrated equipment normally used for the application of turfgrass insecticides is recommended. 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.

USE RESTRICTIONS:

- **DO NOT** apply through any irrigation system.
- **DO NOT** apply this product in a way that will contact people or pets.
- **DO NOT** allow children or pets to enter treated areas until applications have been watered in and areas have dried.
- **DO NOT** apply more 4 quarts SUPRADO (0.89 lbs. of novaluron) per acre in a single application.
- **DO NOT** make applications at less than 30 day intervals.
- **DO NOT** exceed a total of 9.2 quarts SUPRADO (2.03 lbs. of novaluron) per acre per year.
- **DO NOT** make applications when turfgrass areas are waterlogged or the soil is saturated with water. Sufficient distribution of the active ingredient cannot be achieved under these conditions. The treated turf area must be in such a condition that the rainfall or irrigation will penetrate vertically in the soil profile.
- **DO NOT** mow until after sufficient irrigation or rainfall has occurred so that uniformity of application will not be affected.

SUPRADO TURF APPLICATION RATES				
Target Pests	**SUPRADO quarts/acre**	**SUPRADO fl. oz./1,000 ft^2**	**lbs. A.I. per acre**	**Application Instructions**
Annual bluegrass weevil larvae [*Listronotus maculicollis*]	3 – 4	2.2 - 3	0.67 – 0.89	Water applications in immediately with 0.1" of irrigation. **Preventive Applications:** To avoid turf damage, applications should be timed to adult peak migration period, early-instar stage (inside the stem), or at peak 3rd-instar emergence timing before visible damage typically develops. SUPRADO can also be used on overlapping growth stages as a curative approach in second-generation populations occurring later in summer months.

SPECIMEN

				Repeat if desired every 30 days to target larvae of second and third generations
Billbug larvae Bluegrass billbug [, *Sphenophorus parvulus]* Hunting billbug[, *Sphenophorus venatus vestitus*]	3 – 4	2.2 - 3	0.67 – 0.89	Time application to target larvae when they leave the grass stems to feed on turf crowns and roots
Turf caterpillars Armyworms, Cutworms, Sod Webworms	1 – 2	0.7 – 1.5	0.22 – 0.45	If site data suggests a history of caterpillars, SUPRADO can be used as a preventative treatment. Repeat applications as necessary for subsequent generations.
White grubs Northern & Southern masked chafers[, *Cyclocephala borealis*, *C. immaculata*, and/or *C. lurida*]; Asiatic garden beetle[, *Maladera castanea*]; European chafer[, *Rhizotrogus majalis*]; Green June beetle[, *Cotinis nitida*]; May or June beetle[, *Phyllophaga spp*.] Japanese beetle[, *Popillia japonica*] Oriental beetle[, *Anomala orientalis*]	3 – 4	2.2 - 3	0.67 – 0.89	**Preventive Applications:** Make applications through peak egg hatch of target species. Use the upper end of the rate range if application is made 14 days or more prior to peak adult flight and/or egg laying. **Post egg hatch application:** After egg hatch of the target species has occurred or there is obvious turf damage from the current generation, use the upper end of the rate range.
Chinch bug larvae Southern chinch bug[, *Blissus insularis*] Hairy chinch bug[, *Blissus leucopterus*]	3 - 4	2.2 - 3	0.67 – 0.89	SUPRADO controls immature stages of chinch bugs.
Black turfgrass ataenius larvae[, *Ataenius spretulus*]	3 - 4	2.2 - 3	0.67 – 0.89	**Preventive Applications:** Apply when early stages of first generation grubs

SPECIMEN

				are present. Higher rate may be required for late-stage grubs causing visible damage. Target grub stages of second generation in regions where they occur.

Turf Application Dilution Chart

Application Volume gal./1,000 ft^2	Turf Application Rates			Quarts of SUPRADO diluted to these volumes of finished spray			
	SUPRADO fl. oz./1,000 ft^2	SUPRADO quarts/acre	lbs. A.I. per acre	1 gallon	5 gallons	10 gallons	100 gallons
2	0.7	1	0.22	0.5	3	5	50
	1.5	2	0.45	1	5	10	100
	2.2	3	0.67	1.5	8	15	150
	3.0	4	0.89	2	10	20	200
3	0.7	1	0.22	0.3	1.7	3.3	33.3
	1.5	2	0.45	0.7	3.3	6.7	66.7
	2.2	3	0.67	1	5	10	100
	3.0	4	0.89	1.3	6.7	13	133
4	0.7	1	0.22	0.25	1.25	2.5	25
	1.5	2	0.45	0.5	2.5	5	50
	2.2	3	0.67	0.75	3.75	7.5	75
	3.0	4	0.89	1	5.0	10	100
5	0.7	1	0.22	0.2	1	2	20
	1.5	2	0.45	0.4	2	4	40
	2.2	3	0.67	0.6	3	6	60
	3.0	4	0.89	0.8	4	8	80

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in secured, dry storage area. Do not store above 100°F for extended periods of time. Storage below 32°F may cause freezing. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

PESTICIDE DISPOSAL: Wastes resulting from 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! Empty container by using the product according to the label directions. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

[**(<5 gal)** Empty the remaining contents into application equipment or a mix tank and drain for 10 sec after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 sec. 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 2 more times.]

SPECIMEN

[**(>5 gal)** Empty 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 sec. 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 2 more times.]
Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by other means allowed by Federal, state or local authorities.

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.

WARRANTY STATEMENT

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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Control Solutions, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any claims relating to such factors.

To the extent consistent with applicable law, Control Solutions, Inc. 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. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Control Solutions, Inc., and Buyer and User assume the risk of any such use. CONTROL SOLUTIONS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, IT IS **CONTROL SOLUTIONS INC., AND SELLERS INTENTION THAT** in no event shall Control Solutions or Seller 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 CONTROL SOLUTIONS, INC., 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 CONTROL SOLUTIONS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

To the extent consistent with applicable law, Control Solutions, Inc. 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 Control Solutions, Inc.

SPECIMEN

GROUP	3	INSECTICIDE

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.

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

05-09-14

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).

PRECAUTIONARY STATEMENTS
Hazards to Humans (and Domestic Animals)

CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or 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:

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 (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.
- Shoes plus socks

Mixers and Loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton.
- Shoes plus socks
- Protective eyewear

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.

Additional Personal Protective Equipment and Extended Reapplication Intervals Requirements for Greenhouse Use in California:

California specific requirements for greenhouse applicators and harvesters:

In addition to following all applicable precautionary statements on the label on the product container, the following is required for greenhouse applicators and harvesters:

Greenhouse Applicator: Greenhouse applicators must wear a full body chemical-resistant protective suit (such as barrier laminate, butyl rubber, nitrile rubber, polyvinyl chloride, or equivalent).

Reapplication Interval: Reapplications to greenhouses must be at intervals of 30 days or longer.

Greenhouse Harvesters: Greenhouse harvesters must wear either regular-length gloves plus a long sleeved shirt or elbow-length (gauntlet type) gloves during the 30 days following application.

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 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.

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 to drift to blooming crops if bees are visiting the treatment area.

DIRECTIONS FOR USE
RESTRICTED USE PESTICIDE

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.

Do not water treated area to the point of run-off.

Do not make applications during rain.

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

Use Directions for Container

1. Remove the measuring chamber cap and induction seal. Replace the cap and securely tighten. Tip container until liquid fills measuring chamber.
2. Return container to level position. No adjustment is needed.
3. Remove measuring chamber cap and dispense into proper application equipment.

For multiple dose measuring: Remove fill chamber cap and dispense according to markings on side of bottle.

AGRICULTURE 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 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 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 apply to uses of this product that are NOT within the scope of the Worker Protection Standards 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.

Do not allow people or pets on treated surfaces until the spray has dried.

STORAGE AND DISPOSAL

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

Pesticide Storage: 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 container.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

To Confine Spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal: Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal Metal or Plastic Container: Non-refillable container. Do not reuse or refill this container. **Triple rinse as follows:** Empty the contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill 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 or disposal. Drain for 10 seconds after 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.**

General Applications Instructions

Talstar® Select Insecticide formulation mixes readily with water and other aqueous carriers, and controls mites on trees, shrubs, foliage plants, non-bearing fruit and nut trees, and flowers in greenhouses and outdoor nurseries, and turf on golf courses and sod farms. Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application.

Talstar Select Insecticide may be tank-mixed with other products, including insect growth regulators. When tank mixing Talstar Select Insecticide with other products, observe all precautions and limitations on each separate product label. The addition of spreader stickers is not necessary. The physical compatibility of Talstar Select Insecticide may vary with different sources of pesticide products, and local cultural practices. Any tank mixture which has not been previously tested should be prepared on a small scale (pint or quart jar), using the proper proportions of chemicals and water to ensure the physical compatibility of the mixture.

The following procedure is recommended for preparation of a new tank mix, unless specified otherwise in label directions: (1) Add wettable powders to tank water, (2) Agitate, (3) Add liquids and flowables, (4) Agitate, (5) Add emulsifiable concentrates, and (6) Agitate. If a mixture is found to be incompatible following this order of addition, try reversing the order of addition, or increase the volume of water. **Note:** If the tank-mixture is found to be compatible after increasing the amount of water, then the sprayer will need to be recalibrated for a higher volume application. Do not allow tank mix to stand overnight.

Maximum rates: Do not apply more than 0.2 lb ai/acre (40 fl oz of Talstar Select Insecticide) in a single application or per year for outdoor applications.

Resistance: Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and suspect that resistance is a reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

Talstar Select Insecticide Dilution Chart

Applic. Volume: Gallons Per Acre	Applic. Rate: Lb ai per Acre	Fluid Ounces* of Talstar Select Insecticide Diluted to these Volumes of Finished Spray: 1 Gallon	25 Gallons	50 Gallons	100 Gallons
50	0.025	0.1	2.5	5.0	10.0
50	0.05	0.2	5.0	10.0	20.0
50	0.1	0.4	10.0	20.0	40.0
50	0.2	0.8	20.0	40.0	80.0
100	0.025	0.05	1.25	2.5	5.0
100	0.05	0.1	2.5	5.0	10.0
100	0.1	0.2	5.0	10.0	20.0
100	0.2	0.4	10.0	20.0	40.0
150	0.025	0.03	0.83	1.67	3.3
150	0.05	0.07	1.67	3.33	6.7
150	0.1	0.133	3.33	6.67	13.3
150	0.2	0.266	6.67	13.33	26.7
200	0.025	0.025	0.63	1.25	2.5
200	0.05	0.05	1.25	2.5	5.0
200	0.1	0.1	2.5	5.0	10.0
200	0.2	0.2	5.0	10.0	20.0
250	0.025	—	0.5	1.0	2.0
250	0.05	—	1.0	2.0	4.0
250	0.1	—	2.0	4.0	8.0
250	0.2	—	4.0	8.0	16.0
300	0.025	—	0.42	0.83	1.7
300	0.05	—	0.83	1.67	3.3
300	0.1	—	1.67	3.33	6.7
300	0.2	—	3.33	6.67	13.3

***To convert to milliliters, multiply by 29.57**

1 fl. oz. = 29.57 ml = 2 tablespoons = 6 teaspoons

Do not use household utensils to measure Talstar Select Insecticide.

Formula for Determining the Active Ingredient Content of the Finished Spray Mixture: Use the following formula to determine the percent active ingredient that is in the spray tank after mixing Talstar Select Insecticide:

$$\frac{(7.9)(\text{Fl. Oz. of Talstar added to tank})}{(\text{Gallons of finished spray mix})(128)} = \text{Percent Active Ingredient of spray mix}$$

APPLICATION INSTRUCTIONS

Ornamentals in Greenhouses, Lath Houses, Shade Houses and Outdoor Nurseries, including Non-Bearing Fruit and Nut Trees

Apply 0.025 to 0.2 lb ai/A (5 to 40 fl oz) of Talstar Select Insecticide. Talstar Select Insecticide may be diluted and applied in various volumes of water providing that the maximum label rate (0.2 lb ai/A or 40 fl oz) is not exceeded (refer to Dilution Chart for specific instructions). Talstar Select Insecticide may be applied through low volume application equipment by dilution with water or other carriers and providing that the maximum label rate (0.2 lb ai/A or 40 fl oz) is not exceeded.

ORNAMENTAL APPLICATION RATES

The application rates listed in the following table will provide control of the respective pests under typical conditions. However, at the discretion of the applicator, Talstar Select Insecticide may be applied at up to 0.2 lb ai/A (40 fl oz) to control each of the pest listed in this Table.

Pest	Application Rate Talstar Select Insecticide	
	lb ai/A	Fluid Ounces per Acre
Aphids Bagworms[1] Cutworms Elm Leaf Beetles Fall Webworms Lace Bugs Leaf Feeding Caterpillars Plant Bugs (Including *Lygus spp*.) Tent Caterpillars	0.025 - 0.05	5 - 10
Beet Armyworm Black Vine Weevil (Adults) Brown Soft Scales Broad Mites Budworms California Red Scale (Crawlers)[2] Centipedes Citrus Thrips Clover Mites Crickets Diaprepes (Adults) Earwigs European Red Mite Flea Beetles Fungus Gnats (Adults) Grasshoppers Gypsy Moth Caterpillars Leafhoppers Leafrollers Mealybugs Millipedes Mites Orchid Weevil Pillbugs Pine Needle Scales (Crawlers)[2] San Jose Scales (Crawlers)[2] Sowbugs Spider Mites Spiders Thrips Tip Moths Twig Borers[2] Weevils Whiteflies	0.05 - 0.1	10 - 20
Ants Imported Fire Ants** Japanese Beetle (Adult) Leafminers Pecan Leaf Scorch Mite Pine Shoot Beetle (Adults) Stink Bugs	0.1 - 0.2	20 - 40

[1]**Bagworms:** Apply when larvae begin to hatch and spray larvae directly. Applications when larvae are young will be most effective.

[2]**Scale Crawlers and Twig Borers:** Treat trunks, stems and twigs in addition to plant foliage.

**For foraging ants.

Certain cultivars may be sensitive to the final spray solution. A small number of plants should be treated and observed for one week prior to application to the entire planting.

Apply with ground equipment only.

Do not apply when wind direction favors downwind drift towards nearby water bodies.

Do not apply when wind velocity exceeds 10 mph.

Avoid application when wind gusts approach 10 mph.

Do not apply when a temperature inversion exists.

Apply using the largest nozzle size compatible with adequate coverage.

Do not apply if rain is expected within 24 hours (or whatever time is necessary for the spray to dry).

Do not apply by ground equipment within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds. When treating tall trees (>15 feet) from the ground with high pressure sprays or during any application with air assisted equipment (mist blower) do not apply within 150 feet of aquatic areas.

APPLICATION INSTRUCTIONS

Turf (Golf Courses and Sod Farms)

NOT FOR USE ON SOD FARMS IN THE STATE OF NEW YORK.

Apply Talstar® Select Insecticide as a surface or sub-surface treatment. Use application volumes of up to 10 gallons per 1000 square feet to get uniform coverage when treating dense and or long turf foliage.

For low volume applications, less than 2 gallons/1000 square feet, immediately irrigate treated area with at least 0.25 inches of water following application to ensure efficacy of sub-surface pests i.e. Mole Crickets.

TURF (Golf Courses and Sod Farms) APPLICATION RATES

The application rates listed in the following table will provide control of the respective pests under typical conditions. However, at the discretion of the applicator [a], Talstar Select Insecticide may be applied at up to 0.1 lb ai/A (20 fl oz) to control each of the pests listed in this Table. (0.2 lb ai/A or 40 fl oz of Talstar Select Insecticide for ants, imported fire ants and mole crickets).

[a]During periods of high pest pressure or for maximum residual control.

Pest	Active Ingredient lbs. per acre	Application Rate Talstar Select Insecticide	
Armyworms[3] Cutworms[3] Sod Webworm[3]	0.05 lb ai per acre	10 fl. oz per acre	0.25 fl. oz. per 1000 sq.ft.
Annual Bluegrass Weevil (Hyperodes) (Adult)[4] Ants Billbugs (Adult)[5] Black Turfgrass Ataenius (Adult)[6] Centipedes Chinch Bugs[7] Crickets Earwigs Fleas (Adult) Grasshoppers Leafhoppers Mealybugs Millipedes Mites[8] Mole Cricket (Adult)[9] Mole Cricket (Nymph)[10] Pillbugs Sowbugs	0.05 - 0.1 lb ai per acre	10 - 20 fl oz per acre	0.25 - 0.5 fl oz per 1000 sq.ft.
Crane Flies (Larvae)[11] Fleas (Larvae)[12] Imported Fire Ants Japanese Beetle (Adult) Ticks[13]	0.1 lb ai per acre	20 fl oz per acre	0.5 fl oz per 1000 sq.ft
Ants Imported Fire Ants[15] Mole Crickets Stink Bugs	0.2[14] lb ai per acre	40[14] fl oz per acre	1 fl oz[14] per 1000 sq.ft

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 Talstar Select Insecticide if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Comments

[3]**Armyworms, Cutworms and Sod Webworms:** To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application. If the turf area is being maintained at a mowing height of greater than 1 inch, then higher application rates (Up to 0.1 lb ai/A or 20 fl ozs of Talstar Select Insecticide) may be required during periods of high pest pressure.

[4]**Annual Bluegrass Weevil *(Hyperodes)* adults:** Applications should be timed to control adult weevils as they leave their overwintering sites and move into turf 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.

[5]**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.

[6]**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*).

[7]**Chinch Bugs:** Chinch Bugs infest the base of turf plants and are often found in the thatch layer. Irrigation of the turf 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 0.1 lb ai/A or 20 fl oz of Talstar Select Insecticide) may be required to control populations that contain both nymphs and adults during the middle of the summer.

[8]**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 control.

[9]**Mole Cricket adults:** Achieving control of adult mole crickets is difficult because preferred turf 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. Turf 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).

[10]**Mole Cricket nymphs:** Turf 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.

[11]**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.

[12]**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 Talstar Select Insecticide at 0.05 lb. ai/A (10 fl oz) for adult flea control, then the larval application rate may be achieved by doubling the application volume.

[13]**Ticks:** 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. A repeat application, seven days after the first, may be necessary to achieve control. Do not allow public use of treated areas during application or until sprays have dried.

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 turf 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.

[14]**Note:** For large infestations of ants, imported fire ants, and mole crickets, a single application of 0.2 lb ai/A (40 fl oz of Talstar Select Insecticide) may be applied once per year.

[15]**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. Broadcast treatments should apply 0.2 lb ai/A (40 fl oz of Talstar Select Insecticide). Mounds should be treated by diluting 1 teaspoon of Talstar Select Insecticide per gallon of water and applying 1 to 2 gallons of finished spray per mound. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A four foot diameter circle around the mound should also be treated. For best results, apply in cool weather (65 - 80˚F) or in early morning or late evening hours. Note: a spray rig that is calibrated to apply 0.2 lb ai/A (40 fl oz) of Talstar Select Insecticide in 5 gallons per 1,000 square feet contains the approximate dilution (1 teaspoon per gallon) that is required for fire ant mound drenches in the spray tank.

Apply with ground application equipment only (and apply with nozzles not more than two feet above the turf).

Do not apply when wind conditions favor downwind drift to nearby water bodies.

Do not apply when wind velocity exceeds 10 mph

Avoid application when wind gusts approach 10 mph.

Do not apply when a temperature inversion exists.

Apply using nozzles that provide the largest droplet size compatible with adequate coverage.

Do not apply for surface feeding pests if rain is expected within 24 hours (or whatever time is necessary for the spray to dry).

Do not apply by ground equipment within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

Do not apply when turf areas are water-logged or soil is saturated with water (i.e. will not accept irrigation).

Imported Fire Ant Quarantine Treatment

Against Imported Fire Ants (IFA) in Potting Media (including balled and containerized nursery grown ornamental trees, shrubs, plants, flowers, conifers, bushes, Christmas trees, and non-bearing fruit and nut-trees). Talstar Select Insecticide is approved and can be used in accordance with the USDA Imported Fire Ant Quarantine Program. Talstar Select Insecticide may be applied either soil incorporated, as a topical application, or as a high volume drench treatment.

Soil Incorporation: Incorporate the appropriate volume of Talstar Select Insecticide (see table below) per cubic yard of potting media by diluting it in water (typically 1 quart to 1 gallon per cubic yard of media) and sprinkling or spraying it onto the media. The applications are based on the dry bulk density of the potting media. When used in accordance with USDA guidelines, this application will provide a 6 month certification period.

Soil Incorporation Rate of Talstar Select Insecticide for Control of IFA in Potting Media.

Potting Media Bulk Density (lb cubic yard)	Fluid ounces of Talstar Select Insecticide in one cubic yard
200	1.9
400	3.8
600	5.7
800	7.6
1000	9.5
1200	11.4
1400	13.3

Use proportional amounts of Talstar Select Insecticide for potting media with bulk densities not listed.

Topical Application: Mix Talstar Select Insecticide in 1,000 ounces of water based on container size and bulk density of the potting media (see table below). Apply one (1) ounce of the mix to each container evenly distributed over the surface of the potting media. Irrigate all treated containers with 1.5 inches of water following application. When used in accordance with USDA guidelines, this application will provide a 6 month certification period.

Topical Drench Application Rate of Talstar Select Insecticide for Control of IFA in Potting Media.

Potting Media Bulk Density (lb cubic yard)	Fluid ounces of Talstar Select Insecticide per 1,000 ounces of water	
	3 Qt. Container	4 Qt. Container
200	3.6	5.2
400	7.2	10.4
600	10.8	15.6
800	14.4	20.8
1000	18.0	26.0
1200	21.6	31.2
1400	25.2	36.4

Use proportional amounts of Talstar Select Insecticide for potting media with bulk densities not listed.

High Volume Drench: Apply Talstar Select Insecticide as a high volume drench by mixing the appropriate amount of product based on the bulk density in 100 gallons of water (see table below). Apply mix to individual containers to the point of saturation. The amount of mix used for each plant is generally 1/5 volume of the container. When used in accordance with USDA guidelines, this application will provide a 6 month certification period.

High Drench Application Rate of Talstar Select Insecticide for Control of IFA in Potting Media.

Potting Media Bulk Density (lb cubic yard)	Fluid ounces of Talstar Select Insecticide in 100 Gallons
200	2.4
400	4.8
600	7.2
800	9.6
1000	12.0
1200	14.4
1400	16.8

Use proportional amounts of Talstar Select Insecticide for potting media with bulk densities not listed.

For treatment of grass sod

Apply Talstar Select Insecticide as a broadcast treatment. Use higher volumes up to 10 gallons of carrier per 1000 square feet to get uniform coverage when treating dense grass foliage. Make two applications of 1.0 fl oz per 1000 sq ft (0.2 lb ai/A) seven days apart. This application will provide control within four weeks followed by 16 weeks of certification.

Imported Fire Ant and Japanese Beetle Quarantine Treatment for Ornamentals (Soil Dip Treatment of Containerized or Balled and Burlapped Nursery Stock)

Use Talstar Select Insecticide to treat containerized (potted) or balled and burlapped nursery stock to control soil insects.

Ornamentals (Soil Treatment of Containerized or Balled and Burlapped Nursery Stock)

Pest	Amount of Talstar Nursery Flowable Insecticide/ Miticide per 100 gallons
Fire ants[1]	22 fl oz
Japanese beetle grubs[2]	22 to 65 fl oz

[1] For Federal Imported Fire Ant Quarantine, plants must be retreated if not sold within 180 days.

[2] Refer to U.S. Domestic Japanese Beetle Harmonization Plan (Dip Treatment - B&B and Container Plants) (http://www.nationalplantboard.org/policy/beetle.html) for the appropriate treatment rate as well as additional dip treatment restrictions on plant size, immersion duration, soil temperature, soil type, and soil moisture. Treatment should be applied between September 15 and May 1.

General Use Directions

Completely submerge the container with drain holes or root ball stabilized by burlap in a tank containing diluted Talstar Select Insecticide. Do not remove burlap wrap or containers with drain holes prior to submerging. Keep the container or root ball submerged until complete soil saturation has occurred, normally about 30 seconds.

Precautions: During all operations (submerging, drenching, injecting), wear chemical resistant apron in addition to other PPE listed for applicators and other handlers. Application should be made in a well-ventilated area. Environmental factors significantly affect phytotoxicity. Talstar Select Insecticide has been tested on numerous ornamental plants without causing serious phytotoxicity. However, because of the numerous varieties grown, it is recommended that a small group of plants be treated at the recommended rate under the anticipated growing conditions and observed for phytotoxic symptoms for at least 7 days, before a large number of plants are treated.

Note: The professional user assumes responsibility for determining if Talstar Select Insecticide is safe to treat plants under commercial growing conditions.

Larval Control in Potting Media of Containerized Plants.

Black Vine Weevil Larval Control - Preventative Treatment - Topical Drench: For preventative control of black vine weevil larvae in containerized plants, dilute Talstar Select Insecticide at the rate of 10 to 40 fl oz (0.05 to 0.2 lb AI) per 100 gallons and apply as a drench at the rate of 4 to 8 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container. Diluting 10 fluid ounces of Talstar Select Insecticide per 100 gallons and applying 8 fluid ounces of finished spray per 6 inch (diameter) container will provide black vine weevil larval control for one growing season when the application is made in the spring. Diluting 20 to 40 fluid ounces of Talstar Select Insecticide per 100 gallons and applying 8 fluid ounces of finished spray per 6 inch (diameter) container will provide black vine weevil larval control for two growing seasons when the application is made in the spring.

White Grub Control - Preventative Treatment - Topical Drench: For preventative control of white grubs (Japanese beetle, oriental beetle and European chafer) in containerized plants, dilute Talstar Select Insecticide at the rate of 40 to 80 fluid ounces (0.2 to 0.4 lb AI) per 100 gallons and apply as a drench at the rate of 4 to 8 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container. Use the higher application rate for a longer period of control.

Black Vine Weevil and White Grub Larval Control - Preventative Treatment - Media Incorporation: For preventative control of black vine weevil and white grub larvae in containerized plants, incorporate the appropriate volume of Talstar Select Insecticide (see table below) per cubic yard of potting media by diluting it in water (typically 1 quart to 1 gallon per cubic yard of media) and sprinkling or spraying it onto the media. Use the higher application rates for longer periods of control.

Potting Media Bulk Density (lbs. per cubic yard)	Fluid ounces of Talstar Select Insecticide in one cubic yard			
	10 PPM	15 PPM	20 PPM	25 PPM
200	0.4	0.6	0.8	1.0
300	0.6	0.9	1.2	1.5
400	0.8	1.2	1.6	2.0
500	1.0	1.5	2.0	2.5
600	1.2	1.8	2.4	3.0
700	1.4	2.1	2.8	3.5
800	1.6	2.4	3.2	4.0
900	1.8	2.7	3.6	4.5
1000	2.0	3.0	4.0	5.0

The application rates listed above are based on the dry bulk density of the potting media. Use proportional volumes of Talstar Select Insecticide for potting media with dry bulk densities that are not listed above.

Black Vine Weevil Larval Control - Curative Treatment - Topical Drench: To control black vine weevil larvae infesting containerized plants, dilute Talstar Select Insecticide at the rate of 10 to 40 fl oz (0.05 to 0.2 lb AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

Bare-root Treatment for Preventative Root Weevil Larval Control: To protect treated roots of field grown nursery stock from feeding by root weevil larvae, dilute one gallon of Talstar Select Insecticide in 100 gallons of water and treat the bare roots of plants that are being transplanted into the field either by dipping the roots into the insecticide solution for ten seconds or by spraying the insecticide solution onto the roots.

***Diaprepes* Weevil Larval Control - Curative Treatment - Topical Drench:** To control *Diaprepes* weevil larvae infesting containerized plants, dilute Talstar Select Insecticide at the rate of 10 to 40 fl~~.~~ oz~~s~~ (0.05 to 0.2 lb AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

Fungus Gnat Larval Control - Preventative Treatment - Topical Drench: For preventative control of fungus gnat larvae in containerized plants, dilute Talstar Select Insecticide at the rate of 20 to 40 fl oz (0.1 to 0.2 lb AI) per 100 gallons and apply as a drench at the rate of 4 to 8 fl oz of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container. Use the higher application rate for a longer period of control.

Fungus Gnat Larval Control - Curative Treatment - Topical Drench: To control fungus gnat larvae infesting containerized plants, dilute Talstar Select Insecticide at the rate of 10 to 40 fl oz (0.05 to 0.2 lb AI) per 100 gallons and apply as a drench at the rate of 8 to 16 fluid ounces of finished spray per 6 inch (diameter) container. Use a proportional volume of finished spray for containers less than or greater than 6 inches in diameter. Ideally, the media should be treated to the point of saturation, which generally requires 1/5 the volume of the container.

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 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. EXCEPT AS WARRANTED BY THIS LABEL, 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 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.

Talstar and FMC—Trademarks of FMC Corporation
©2013 FMC Corporation All rights reserved.

TETRANILIPROLE | GROUP 28 | INSECTICIDE

BAYER

Tetrino™

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. 432-1591

STOP - READ THE LABEL BEFORE USE

KEEP OUT OF REACH OF CHILDREN

CAUTION

Non-refillable container

Net Contents

1 Gallon

86797658

86723859A 210310AV1

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

Cutworms • White Grubs



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.)
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. • 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 Bayer Environmental Science Emergency Response Telephone No. 800-334-7577. 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 wash-water 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 rec-

ommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Bayer CropScience 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 turfgrass 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 overwintering 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 procedures 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 Bayer CropScience LP. 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, 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) and Tetrino™ are trademarks of Bayer.

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

Produced for:
Bayer Environmental Science
A Division of Bayer CropScience LP
5000 CentreGreen Way, Suite 400
Cary, NC 27513

Bayer

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. 432-1591

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 Bayer Environmental Science Emergency Response Telephone No. 800-334-7577. 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.	

Non-refillable container
Net Contents
1 Gallon
86797658
86723859A 210310AV1

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

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.

TRIPLE CROWN®

Golf

Insecticide

For use to control listed insect pests on golf courses, sod farms, non-commercial indoor and outdoor ornamentals, and landscaped areas around institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

envu™

Active Ingredients:	**By Wt.**
Zeta-Cypermethrin*	2.70%
Bifenthrin**	7.87%
Imidacloprid	13.83%
Other Ingredients***:	75.60%
	100.00%

*Cis/trans isomer ratio: Max 75% (±) cis and Min. 25% (±) trans

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

***Contains Petroleum Distillates

TRIPLE CROWN® Golf Insecticide contains 1.28 lb imidacloprid, 0.73 lb bifenthrin, and 0.25 lb zeta-cypermethrin per gallon.

EPA Reg. No. 101563-353
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 other panels for additional precautionary information.

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

SKU: D00001606
22062323B 250407AV1
Net Contents: 1 Gallon

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

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 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. • 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 to 20 minutes. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

Contains petroleum distillates. May pose an aspiration pneumonia hazard. 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.

Call Environmental Science U.S., LLC Emergency Response Telephone No. 1-800-424-9300 for Emergency Assistance.

For information regarding the use of this product call 1-800-331-2867.

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.

Personal Protective Equipment

All mixers, loaders, applicators and other handlers must wear: long sleeved shirt and long pants, shoes, and 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

Wash thoroughly with soap and water after handling. 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.

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, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton, and 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 Standards 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.

Do not allow people or pets on treated surfaces until the spray has dried.

Environmental Hazards

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters, and shrimp. 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 foraging in 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.

PROTECTION OF POLLINATORS



APPLICATION RESTRICTIONS EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.

Look for the bee hazard icon  in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

This product can kill bees and other insect pollinators.

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- o Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications.
- o Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- o Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- o Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at: http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: www.aapco.org/officials.html. Pesticide incidents should also be reported to the National Pesticide Information Center at: www.npic.orst.edu or directly to EPA at: beekill@epa.gov

DIRECTIONS FOR USE
RESTRICTED USE PESTICIDE

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



Do not apply TRIPLE CROWN® Golf insecticide while bees are foraging. Do not apply TRIPLE CROWN Golf insecticide until flowering is complete and all petals have fallen unless of the following conditions is met:

- **The application is made to the target site after sunset.**
- **The application is made to the target site when temperatures are below 55°F.**
- **The application is made in accordance with a government-initiated public health response.**
- **The application is made in accordance with an active state-administered apiary registration program where beekeepers are notified no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying.**
- **The application is made due to an imminent threat of significant crop loss, and a documented determination consistent with an IPM plan or predetermined economic threshold is met. Every effort should be made to notify beekeepers no less than 48-hours prior to the time of the planned application so that the bees can be removed, covered or otherwise protected prior to spraying.**

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.

Restrictions:

Not for residential use.

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 turf 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.

Do not apply more than 0.5 lbs active ingredient imidacloprid (50 fl oz TRIPLE CROWN Golf Insecticide) per acre per year.

TURFGRASS APPLICATION INSTRUCTIONS (INCLUDING SOD FARMS)

NOT FOR USE ON SOD FARMS OR GOLF COURSES IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK

Apply TRIPLE CROWN Golf insecticide as a surface or sub-surface treatment via broadcast, drench, or spot applications.

Use application volumes of up to 10 gallons per 1,000 sq ft when treating dense grass foliage for uniform coverage.

For low volume applications (< 2 gallons/1,000 sq ft), 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).

PESTS CONTROLLED AND 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 Golf insecticide may be applied at up to 0.80 fl oz per 1,000 sq ft (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 apply more than 0.5 lb active ingredient imidacloprid (50 fl oz TRIPLE CROWN Golf insecticide) per acre per year.

Table 1

Pest	Application Rate	
	fl oz/1,000 ft sq	fl oz/A
Armyworms[1] Cutworms[1] Sod Webworm[1]	0.23 - 0.34	10 - 15
Banks Grass Mite[2] Black Turfgrass Ataenius (Adult)[3] Centipedes Crickets Earwigs Fleas (Adult) Grasshoppers Leafhoppers Mealybugs Millipedes Mites[2] Pillbugs Sowbugs	0.23 - 0.46	10 - 20

(continued)

Table 1 ***(continued)***

Pest	Application Rate	
	fl oz/1,000 ft sq	fl oz/A
Ants Black Vine Weevil Chinch Bugs[6] Crane Flies[7] European Masked Chafer (Adult) Fleas (Larvae)[8] Frit Fly Green June Beetle (Adult) May or June Beetle (Adult) Imported Fire Ants[9] Japanese Beetle (Adult) Masked Chafer (Adult) (Northern or Southern) Mole Cricket (Adult)[10] Mole Cricket (Nymph)[11] Root Weevils Stink Bugs Ticks[10]	0.46 - 0.80	20 - 35
Annual Bluegrass Weevil[13] Billbugs[14]	0.57 - 0.80	25 - 35
White grubs:[15] Japanese beetle European masked chafer Northern masked chafer Southern masked chafer Green June beetle May/June beetle *(Phyllophaga* spp.*)*	0.80	35

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 Golf 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 fl oz per 1,000 sq ft) may be required during periods of high pest pressure.

[2]**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.

[3]**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)*.

[4]**Annual Bluegrass Weevil adults and larvae: For adult control,** applications should be timed so they contact the treatment 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. For larval control, apply May through June to stop damage from feeding. Ensure irrigation or rainfall soon after treatment to help move the active ingredient(s) through the thatch layer.

[5]**Billbug adults and larvae:** 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. Ensure irrigation or rainfall soon after treatment to help move the active ingredient(s) through the thatch layer.

[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 fl oz per 1,000 sq ft) 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 area is being treated with TRIPLE CROWN Golf insecticide at 0.25 fl oz per 1,000 sq ft 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 fl oz per 1,000 sq ft. Use enough finished volume to penetrate thatch or sod. Treat mounds by applying 0.80 fl oz TRIPLE CROWN Golf 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. This product will control mounds within 15 minutes.

[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.

[13]**Annual Bluegrass Weevil adults and larvae: For adult control,** applications should be timed so they contact the treatment 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. For larval control, apply May through June to stop damage from feeding. Ensure irrigation or rainfall soon after treatment to help move the active ingredient(s) through the thatch layer.

[14]**Billbug adults and larvae:** 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. Ensure irrigation or rainfall soon after treatment to help move the active ingredient(s) through the thatch layer.

[15]**White Grubs:** Ensure irrigation or rainfall soon after treatment to help move the active ingredient(s) through the thatch layer. Best results will be achieved from preventative applications made just prior to peak activity when grubs are nearest the soil surface. Treatment in the South may be late March through May and in the North late June through September. Exact application timing should be confirmed by the local Agricultural Extension Service in your geographic area. Confirmation of the need for treatment may be based on historical records of the site, current adult trap counts or scouting, or other applicable methods.

ORNAMENTAL APPLICATION INSTRUCTIONS

Foliar Applications:

Apply at the specified application rate as a full coverage foliar spray. Repeat treatment as needed to achieve control. Use higher labeled application rates as pest pressure and amount of foliage increases.

Broadcast Applications:

For foliage plants and ground covers, mix the required amount of TRIPLE CROWN Golf insecticide in sufficient water to uniformly and accurately cover the treatment area. Do not use less than 2 gallons of water per 1,000 sq ft. For optimum control of soil-borne pests, irrigate thoroughly after treatment to help incorporate TRIPLE CROWN Golf insecticide into the upper layers of soil.

Application to Trees, Shrubs, Foliage plants, and Ground covers
For best results, treatment should be started prior to heavy infestation or pest pressure.

Pests			**Rate** (fl oz per 100 gallons)
Ants Beet Armyworm Black vine weevil Broad mites Budworms Scale crawlers Citrus thrips Clover mites[5] Diaprepes (adults)	European red mites Flea beetles Fungus gnats (adults) Grasshoppers Imported Fire Ants[9] Leafrollers Mites[5] Mosquitoes Orchid weevil	Pine needle scales (crawlers) Plant bugs Root weevils San Jose scale (crawlers) Spider mites Thrips Tip moths Twig borers Wasps	7.5
Bagworms Cutworms	Fall webworms Gypsy moth caterpillars	Leaf feeding caterpillars Tent caterpillars	4 - 7.5
Adelgids Aphids Japanese beetles Lace bugs	Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassy-winged sharpshooter) Mealybugs	Psyllids Sawfly larvae Thrips (suppression) Treehoppers Whiteflies	2.5 - 7.5

Restrictions:

Target treatment to areas where pest are active. Use sufficient water volume to thoroughly wet plant surfaces. Repeat applications may be made if there are signs of re-infestation, but do not apply more than 0.88 lb ai/A (50 fl oz/A) of TRIPLE CROWN Golf insecticide or 0.50 lb ai imidacloprid/A per year.

Repeat application must be limited to no more than once per seven days.

Certain cultivars may show sensitivity to the final spray solution. Treat a small number of plants and observe for one week prior to application to the entire planting.

In Oregon State, do not apply this product, by any application method, to linden, basswood or other Tilia species.

In New York State, do make a single repeat application of TRIPLE CROWN Golf insecticide if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Resistance Management

Some insects are known to develop resistance to products with the same chemical class used repeatedly for control. TRIPLE CROWN Golf 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 Golf 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 Environmental Science U.S., LLC 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 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. You may contact the Environmental Science U.S., LLC Emergency Contact Response Team for decontamination procedures or any other assistance that may be necessary. The Environmental Science U.S., LLC Emergency Response Telephone No. is 1-800-424-9300.

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 Environmental Science U.S., LLC 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 Environmental Science U.S., LLC 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, ENVIRONMENTAL SCIENCE U.S., LLC 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 Environmental Science U.S., LLC, and, to the extent consistent with applicable law, buyer assumes the risk of any such use.

To the extent consistent with applicable law, Environmental Science U.S., LLC 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 ENVIRONMENTAL SCIENCE U.S., LLC 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 ENVIRONMENTAL SCIENCE U.S., LLC 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.

Owned or Licensed U.S. Patents for this product can be found at https://patent.envu.com

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

NOTES

NOTES

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.

TRIPLE CROWN®

Golf

Insecticide

For use to control listed insect pests on golf courses, sod farms, non-commercial indoor and outdoor ornamentals, and landscaped areas around institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

envu™

Active Ingredients:	**By Wt.**
Zeta-Cypermethrin*	2.70%
Bifenthrin**	7.87%
Imidacloprid	13.83%
Other Ingredients***:	75.60%
	100.00%

*Cis/trans isomer ratio: Max 75% (±) cis and Min. 25% (±) trans

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

***Contains Petroleum Distillates

TRIPLE CROWN® Golf Insecticide contains 1.28 lb imidacloprid, 0.73 lb bifenthrin, and 0.25 lb zeta-cypermethrin per gallon.

EPA Reg. No. 101563-353
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 other panels for additional precautionary information.

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

SKU: D00001606
22062323B 250407AV1
Net Contents: 1 Gallon

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

8 10112 10067 9

PEEL HERE TO OPEN >

Fluazinam	GROUP	29	FUNGICIDE
Tebuconazole	GROUP	3	FUNGICIDE
Azoxystrobin	GROUP	11	FUNGICIDE

ArmorTech®

FluZoxy-T

3-Way Fungicide

A combination of contact and systemic fungicides for broad spectrum control of turfgrass diseases on golf courses only.

ACTIVE INGREDIENTS

Fluazinam:	19.5%
Tebuconazole:	6.8%
Azoxystrobin:	6.2%
OTHER INGREDIENTS:	67.5%
TOTAL:	100.00%

Contains 1.88 lbs. Fluazinam, 0.65 lbs. Tebuconazole, and 0.59 lbs. Azoxystrobin per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No: 53883-502-86064
EPA Est. No: 37429-GA-02

NET CONTENTS: 2.5 GAL

Manufactured for:
United Turf Alliance, LLC
8014 Cumming Highway, Suite 403-282
Canton, GA 30115

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.

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 SafetyCall® International for emergency medical treatment at **(866) 897-8050** or the Poison Control Hotline at 1 (800) 222-1222

For general information on this product, contact the National Pesticides Information Center (NPIC) at 1-800-858-7378, Monday through Friday, 8 AM to 12 PM PST, or at http://npic.orst.edu.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Wear appropriate protective eyewear. 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)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants coverall/double layer
- Chemical resistance gloves
- Shoes plus socks
- Protective eyewear

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 materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse.

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.

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:

This product is toxic to mammals, 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.

GROUND WATER ADVISORY

Azoxystrobin can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Tebuconazole is known to leach through soil into ground under certain conditions as a result of label use. Use of this fungicide product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

SURFACE WATER ADVISORY

Leave an uncultivated boundary within 25 feet of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries) to allow growth of a vegetative filter strip. 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 including 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. 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 used for ground applications on golf courses. Apply this product in enough water to obtain adequate uniform coverage of the turf (minimum spray volume of 87 gallons per acre or minimum of 2 gallons per 1000 ft^2).

PRECAUTIONARY STATEMENTS

DO NOT apply consecutive applications during or just after dormancy break.
DO NOT apply to bermudagrass greens when temperatures will exceed 85°F.
DO NOT make consecutive applications of this product on greens.

USE RESTRICTIONS

- For use on golf course turf only.
- Not for use in California.
- Not for use in New York State.
- **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.
- **DO NOT** apply this product to home lawns (turf) or any other residential turf.
- **DO NOT** use on home lawns and other residential turf sites including 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.
- **DO NOT** apply more than 2 sequential applications for Pythium spp. Control.
- For all other diseases when Pythium spp. Is not present, do not apply more than 3 sequential applications.
- Not for use on turf being grown for sale or commercial use as sod.
- **DO NOT** use treated grass or turf clippings for animal feed.
- **DO NOT** apply this product by aerial application.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply this product when the wind direction is toward aquatic areas to minimize drift to these areas.
- **DO NOT** exceed 572 fl. oz. of this product (8.4 lbs. fluazinam, 2.9 lbs. tebuconazole, 2.6 lbs. azoxystrobin) per acre per year.
- Maximum single application rate is 1.16 fl. oz. (0.017 lbs. fluazinam, 0.0059 lbs. tebuconazole, 0.0053 lbs. azoxystrobin)/1000 sq. ft.
- **DO NOT** apply more than six (6) applications per year
- **DO NOT** apply at less than 14-day intervals.
- 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 than this label, they must be observed. **DO NOT** allow spray mixture to stand overnight or for prolonged periods in the spray tank.
- **DO NOT** apply on top of snow.
- **DO NOT** apply this product within 25 feet of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds and estuaries)

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 specify application timing based on environmental factors which favor disease development.

FUNGICIDE RESISTANCE MANAGEMENT

For resistance management, note that this product contains fungicides from FRAC Group 3 (tebuconazole), Group 11 (azoxystrobin), and Group 29 (fluazinam). Any fungal population may contain individuals naturally resistant to this product and other Group 3, Group 11, or Group 29 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 must be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 3, Group 11, or Group 29 fungicides within a growing season sequence with different groups including one from the dicarboximide (Group 2) or benzimidazole class (Group 1) that control the same pathogens. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, use of historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, and 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 retailer or your university extension specialist.

MANDATORY SPRAY DRIFT

GROUND APPLICATIONS

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet 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 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
  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.

PLANT SENSITIVITY

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 need to determine if this product can be used safely prior to commercial use by testing on the type of turf to be treated at specified rates for phytotoxicity.

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. This product is physically compatible with many products specified 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 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 needs to 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 specified proportions of the products into a suitable container of water.
2. Mix thoroughly.
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 must not be used in the tank mix. Consult compatibility charts or your local or state agricultural authorities for additional compatibility information.

Mixing Order:

- Materials should be thoroughly dispersed and mixed before adding additional tank mix components.
- Maintain constant agitation during mixing and application.
- Fill tank with water to half of the desired final spray volume.
- Begin agitation prior to adding tank mix partners in the following order:
    1) Products packaged in water-soluble bags
    2) Water-dispersible products (dry flowables, wettable powders, suspension concentrates)
    3) Liquid flowables
    4) Water-soluble products
    5) Emulsifiable concentrates
- Maintain agitation and add remaining water to bring to final volume.

TURFGRASS DISEASE CONTROL

This product can be used for golf course applications on warm season and cool season grasses or their mixtures. This product is not phytotoxic when used in accordance to the label.
Note: Bermudagrass can be sensitive to this product under certain conditions.

This product can be used for the prevention and control of the diseases listed below. For optimum disease control, apply this product preventatively when conditions are favorable for disease development. Apply uniformly with properly calibrated low volume, handheld, backpack, mechanical or motorized ground broadcast spray equipment.

Apply in sufficient water (1 to 4 gallons of water per 1000 ft^2) to provide thorough coverage of targeted turf plant parts. Higher spray volumes are more typically needed on higher cuts of turf. For foliar diseases, allow foliage to dry thoroughly before irrigation.

USE RATE		
Disease	**Rate of this product fl. oz. / 1000 ft^2**	**Notes**
Anthracnose *Colletotrichim cereale*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs. Tebuconazole, 0.0053 lbs. Azoxystrobin) (21 day interval)	Apply preventatively when conditions favor disease development. Allow spray to dry on leaves without watering in.
Brown Patch, Large Patch *Rhizoctonia solani*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs.Tebuconazole, 0.0053 lbs. Azoxystrobin) (21 day interval)	Apply preventatively when conditions favor disease development.
Dollar Spot, *Clarireedia spp.* *(Formerly Sclerotinia homeocarpa)*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs. Tebuconazole, 0.0053 lbs. Azoxystrobin) (21 day interval)	Apply preventatively when conditions favor disease development.
Gray Snow Mold *Typhula spp.,* **Pink Snow Mold** *Microdochium nivale*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs. Tebuconazole, 0.0053 lbs. Azoxystrobin) (Late Fall)	Apply just before snow cover.
Leaf spot, Melting Out, Brown Blight *Drechslera spp.* *(Including D. poae, D. siccans)*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs. Tebuconazole, 0.0053 lbs. Azoxystrobin) (21 day interval)	Apply preventatively when conditions favor disease development.
Microdochium Patch *Microdochium nivale*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs. Tebuconazole, 0.0053 lbs. Azoxystrobin) (21 day interval)	Apply in the fall or early spring when conditions are favorable for disease development.
Stem rust *Puccinia graminis var. graminicola*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs. Tebuconazole, 0.0053 lbs. Azoxystrobin) (14 day interval)	Apply preventatively when conditions favor disease development (cool and cloudy weather).
Summer Patch *Magnaporthe poae*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs. Tebuconazole, 0.0053 lbs. Azoxystrobin) (21 day interval)	Apply preventatively when conditions favor disease development.

Take-All Patch *Gaeumannomyces*	**1.16** (0.017 lbs. Fluazinam, 0.0059 lbs. Tebuconazole, 0.0053 lbs. Azoxystrobin) (21 day interval)	Water in immediately with 0.125–0.25 inch of irrigation.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in dry area. **DO NOT** store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal instructions listed below.

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 plastic 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.

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 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

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.

LIMITATION OF WARRANTY AND LIABILITY

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. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of United Turf Alliance, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold United Turf Alliance, LLC and Seller harmless for any claims relating to such factors.

United Turf Alliance, LLC 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. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or United Turf Alliance, LLC, and Buyer and User assume the risk of any such use. To the extent permitted by applicable law, **UNITED TURF ALLIANCE, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

IT IS UNITED TURF ALLIANCE, LLC AND SELLERS INTENTION THAT in no event shall United Turf Alliance, LLC or Seller 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 UNITED TURF ALLIANCE, LLC, 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 UNITED TURF ALLIANCE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

United Turf Alliance, LLC 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 United Turf Alliance, LLC.

HYDRATION

ZIPLINE®

- PROMOTES UNIFORM HYDRATION OF SOIL
- DELIVERS CONSISTENT RESULTS



CONTAINS NONPLANT FOOD INGREDIENTS:
CONTAINS BENEFICIAL SUBSTANCES:

Soil Amending Guaranteed Analysis:

Active Ingredient	50%	Etherified Polyoxyethylene-Polyoxypropylene Block Copolymer
	25%	Nonionic Polyol

NOT RECOMMENDED FOR USE AS A FERTILIZER SUBSTITUTE

NOT A PLANT FOOD INGREDIENT.

KEEP OUT OF REACH OF CHILDREN

Read entire label for additional precautionary statements.
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY.

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

NET CONTENTS: 2.5 gal (9.46 L)

Net Weight: 21.31 lb (9.67 kg)

Density: 8.5225 lb/gal at 68°F

The Aquatrols® Company

PAL03025F
06/17/2026

ZIPLINE®

Zipline® is a soil surfactant that contains Aquatrols' cutting edge formulation of ingredients that will aid turf care professionals to consistently deliver Firm, Fast, Fine Turf.

Directions for Use

WHAT IT DOES:	Zipline improves water infiltration from the surface through the rootzone and promotes uniform hydration of the soil.	
WHERE & WHEN TO USE:	Zipline is safe to use on all turf types. Apply Zipline through conventional spray equipment in a minimum of 20 gal. of water per acre or ½ gal. per 1000 sq ft^2. (190 Ltrs / Ha) For best results apply before next scheduled irrigation cycle.	
APPLICATION RATES:	**Fairways:**	Apply 1 - 3 oz per 1000 ft^2 every 14 days (3 - 9.5 L per hectare) Apply 2 - 6 oz per 1000 ft^2 monthly (6 - 19 L per hectare)
	Greens:	Apply 3 - 4 oz per 1000 ft^2 every 14 days (9.5 - 13 L per hectare) Apply 6 - 8 oz per 1000 ft^2 monthly (19 - 26 L per hectare)

8 10950 02211 9

The Aquatrols® Company

Aquatrols Corporation of America
DBA The Aquatrols Company
1273 Imperial Way
Paulsboro, NJ 08066 USA
1-800-257-7797 | aquatrolscompany.com

PAL03025B 09/13/25

Precautionary Statements/First Aid Measures in Case of Contact

Precautionary Statements

- Caution: May cause irritation. Do not get in eyes.
- Avoid breathing vapors or mists.
- Avoid using product in a manner as to directly, or through drift, expose workers or other persons.
- Always consult the safety data sheet for specific instructions.
- Applicators and other handlers must wear goggles or a facial splash shield; chemical resistant gloves, such as nitrile rubber ≥ 14 mils or neoprene rubber ≥ 14 mils; coveralls or long sleeved shirt and long pants; shoes plus socks.
- Keep out of reach of children.

First aid measures in case of contact

- **Eye:** do not rub eyes. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.
- **Skin:** Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention as needed.
- **Ingestion:** Give large amounts of water to drink. Seek medical attention if necessary. Induce vomiting only upon advice from a physician.
- **Inhalation:** Move individual to fresh air and check to ensure adequate respiration. Seek medical attention if necessary.

Applicators and other handlers should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove protective clothing and equipment after handling. Wash the outside of gloves before removing. Wash thoroughly and change into clean clothing.

For technical information and Safety Data Sheet (SDS), contact Aquatrols at 1-800-257-7797 or visit our website at www.aquatrolscompany.com.

For more detailed information call 1-800-257-7797.

Storage and Disposal

- Keep container tightly closed. Store in original container only. Keep in a secure and locked storage area. Do not add water to the contents of this container.
- Triple rinse container and empty rinse water into spray or stock tank. Dispose of empty containers in accordance with federal, state and local law.

Condition of Sale
Limited Warranty and Limitations of Liability and Remedies

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If the terms are not acceptable, do not use the product and instead, return the unopened product container immediately. By using this product, you accept the following Conditions, Disclaimer of Warranties and Limitation of Liability.

For technical information, contact Aquatrols Corporation at 800-257-7797. Information regarding the contents and levels of metals in this product is available on the internet at www.aapfco.org/metals.html

CONDITIONS: The directions for use on this label are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Insufficient performance or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions or good application practices, all of which are beyond the control of Aquatrols Corporation. In addition, failure to follow label directions may cause poor performance, injury to crop, animals, human, or the environment. You assumed all such risks by using this product.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AQUATROLS CORPORATION MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT, INCLUDING NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL AND NO SUCH WARRANTY SHALL BE IMPLIED BY LAW. No agent of Aquatrols Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, Aquatrols Corporation disclaims and any and all claims are waived any liability whatsoever for special, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profit or income, resulting from the use or handling of this product.

LIMITATION OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, the remedy for any losses or cause of action relating to injuries, damages or the handling or use of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or, at Aquat rols Corporation's election, the replacement of the product. Aquatrols shall not be liable and any and all claims against Aquatrols are waived for special, indirect, incidental or consequential damages or expense of any nature, including, but not limited to, loss of profit or income.