

228-626

5/14/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

MAY 14 2014

Carrie M. Tackema  
Nufarm Americas Inc.  
14020 Aerial Center Parkway, Suite 101  
Morrisville, NC 27560

Subject: Addition of marketing claims  
Submission date: 4/22/2014

Dear Ms. Tackema,

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10. The Registration Division has conducted a review of these requests for their applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10.

The Agency acknowledges the addition of the following optional marketing claims to all of the labels identified in the table below:

- "Nufarm Grow a better tomorrow"
- "Grow a better tomorrow"

Chemical Name	EPA Reg. No.	Decision Number
Nufarm Propiconazole SPC 14.3MEC Fungicide	228-623	490872
Nufarm Propiconazole SPC EC Fungicide	228-633	490873
Nufarm T-Methyl SPC 4.5F Fungicide	228-626	490876
Nufarm T-Methyl SPC GC Fungicide	228-631	490877
Nufarm TM + CTN SPC 66.6 WDG Fungicide	228-638	490705

The labels submitted with the applications have been stamped "Notification" and will be placed in our records. If you have questions concerning this letter, please contact Lindsay Roe at [roe.lindsay@epa.gov](mailto:roe.lindsay@epa.gov) or 703-347-0506.

Sincerely,

Shaja Joyner  
Product Manager 20  
Fungicide Branch  
Registration Division (7505P)

# EXPEDITE



United States  
Environmental Protection Agency  
Washington, DC 20460

- Registration
- Amendment
- Other:

OPP Identifier Number

## Application for Pesticide - Section I

1. Company/Product Number <b>228-626</b>	2. EPA Product Manager <b>S. Joyner</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Nufarm T-Methyl SPC 4.5 F Fungicide</b>	PM# <b>20</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Nufarm Americas Inc. 11901 S. Austin Avenue Alsip, IL 60803</b> <i>Please send all correspondence to "contact point" listed below</i> <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below

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

### NOTIFICATION PER PRN 98-10

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

**CONTACT: Carrie M. Tackema (919) 379-2528 or [carrie.tackema@us.nufarm.com](mailto:carrie.tackema@us.nufarm.com)**  
Nufarm Americas, Inc.  
4020 Aerial Center Parkway, Suite 101  
Morrisville, NC 27560

### NOTIFICATION

MAY 14 2014

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
*Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify)	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 Qt., 2.5 Gal.		5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application)		
Name <b>Carrie M. Tackema</b>	Title <b>Regulatory Manager</b>	Telephone No. (include Area Code) <b>(919) 379-2528</b>
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title <b>Regulatory Manager</b>	
4. Typed Name <b>Carrie M. Tackema</b>	4. Date <b>April 22, 2014</b>	

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+1 919.467.592  
4020 Aerial Center Parkway, Suite 10  
Morrisville, NC 2756  
www.nufarm.com

**Via Courier Delivery**

April 22, 2014

Ms. Shaja Joyner, PM#20  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U. S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

**RE: NOTIFICATION(s) per PRN 98-10**

Nufarm Propiconazole SPC 14.3 MEC	EPA Reg. No. 228-623
Nufarm Propiconazole SPC EC	EPA Reg. No. 228-633
Nufarm T-Methyl SPC 4.5F	EPA Reg. No. 228-626
Nufarm T-Methyl SPC GC	EPA Reg. No. 228-631
Nufarm TM+CTN SPC 66.6 WDG	EPA Reg. No. 228-638

Dear Ms. Joyner:

Enclosed please find five (5) application(s) for pesticide registration – NOTIFICATION for the above-referenced product(s). The purpose of these NOTIFICATION(s) is to include two (2) optional marketing claims:

*Nufarm Grow a better tomorrow*  
*Grow a better tomorrow*

These NOTIFICATION(s) are consistent with PRN 98-10; specifically, II N. In support of these NOTIFICATION(s) enclosed are the following:

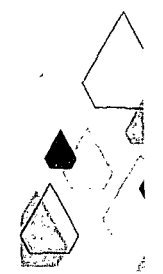
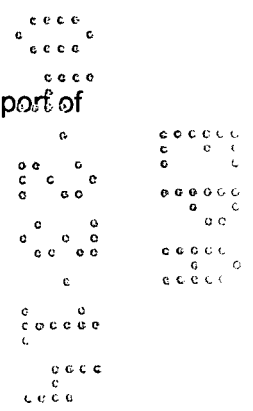
- EPA form 8570-1 Application for Pesticide Registration – NOTIFICATION;
- Label certification; and
- Proposed product labeling in PDF format on CD-rom.

Please contact me at directly at (919) 379-2528 or by email at [carrie.tackema@us.nufarm.com](mailto:carrie.tackema@us.nufarm.com) if you have any questions regarding this action.

Sincerely,

Carrie M. Tackema  
Regulatory Manager

Enclosure(s)



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[Carton Front and Back Panel with reference to booklet for FIRST AID and Directions For Use; Booklet Cover]

# Nufarm T-Methyl SPC 4.5 F Fungicide

[Alternate Brand Name:  
LESCO® T-STORM™ Flowable Turf & Ornamental Fungicide]

**Liquid Flowable Systemic Turf and Ornamental Fungicide**

**For control of a broad spectrum of diseases of bedding, flowering, herbaceous and tropical foliage plants, shrubs, trees and flowers, containerized woody shrubs and trees and turfgrass.**

**ACTIVE INGREDIENT:**

Thiophanate-methyl .....46.2%

**OTHER INGREDIENTS:** .....53.8%

**TOTAL:** .....100.0%

Contains 4.5 pounds thiophanate-methyl per gallon.

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

See inside label booklet for additional FIRST AID and PRECAUTIONARY STATEMENTS

[Nufarm: Grow a better tomorrow]

[Grow a better tomorrow]

### NOTIFICATION

MAY 14 2014

EPA Reg. No. 228-626

EPA Est. No.

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

Nufarm T-Methyl SPC 4.5 F Fungicide [LESCO® T-STORM™ Flowable Turf & Ornamental Fungicide] contains thiophanate-methyl, the active ingredient used in Cleary 3336™.

**Net Contents:**

[Page 1 of Booklet to end]

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION/PRECAUCION**

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

**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 A 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

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 Requirements**

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

**Engineering Controls**

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

**User Safety Recommendations**

Users should:

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

<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
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.	

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash 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 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 by individuals/firms licensed or registered by the state to apply ornamental or turf pest control products. Do not apply with fixed wing or rotary aircraft.

**AGRICULTURAL USE REQUIREMENTS**

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exemption: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves made of any waterproof material,
- Chemical-resistant footwear plus socks,
- Chemical-resistant headgear for overhead exposures

**NON-AGRICULTURAL USE REQUIREMENTS**

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

Do not enter or allow others to enter the treated areas without protective clothing until spray has dried.

**GENERAL INFORMATION**

This product provides broad spectrum disease control on containerized woody, flowering, herbaceous, and tropical foliage ornamental plants and trees, and turfgrasses.

Add the required amount of this product after shaking well to a partially filled tank agitated by mechanical or hydraulic means then add the remaining required amount of water. Maintain continuous agitation during application to keep the material in suspension. A new spray mixture must be prepared each day; do not use following overnight storage in spray tank.

Make applications of this product with ground equipment, using sufficient spray volume to provide thorough coverage. Do not tank mix this product with copper containing materials or with highly alkaline pesticides such as Bordeaux mixture or lime sulfur. No claim of compatibility with other pesticides is implied. Under conditions of severe disease pressure or when application intervals are shorter than 14 days due to persistent rainfall, use the higher concentration or rates provided in this label. Contact your local State Extension Service specialist for application schedule instructions.

**Important:** If treatments of this product are ineffective, a tolerant strain of fungus is most likely present. Consult your Nufarm representative or distributor [[company name] representative], your local State Agricultural Experiment Station or State Agricultural Extension Service for advice on prompt use of some other labeled fungicide.

**CHEMIGATION INSTRUCTIONS**

**For Ornamental Use Only**

Apply this product only through pressurized drench (flood), sprinkler, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation systems.

Do not connect chemigation system to a public water system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, contact your State Extension Service specialists, equipment manufacturers, or other experts.

Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

Should the need arise, 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.

### Pressurized Drench (Flood) System

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- 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.

### Sprinkler Chemigation

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

### Drip (Trickle) Chemigation

- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to



prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump, (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

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### HORTICULTURAL APPLICATIONS

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#### GREENHOUSE, NURSERY AND LANDSCAPE

This product 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 this product 14-21 days prior to when a particular disease usually appears and at the very latest, upon first sign of disease. Spray intervals usually range from 7 to 14 days with 14 days being for preventative treatments and the 7 day interval for times when conditions are judged acceptable for disease development. For hard-to-wet foliage, add an acceptable wetting agent to the spray tank to increase product efficacy. Use a spreader-sticker when excessive and repeated foliar wetting occurs. Use this product to control listed diseases on fruit and nut trees. Do not use fruit, nuts or sap from trees treated with this product as food or feed.

Note: This product 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 product trials and historical field use. As all species and cultivars have not been tested, trial applications should be performed 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 a 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 (*Neprolepsis exaltata*), and Easter Cactus (*Hatiora gaertneri*).

Plant Type	Such as but not limited to:
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, Rhododendron, 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, nuts or sap from trees treated with this product as food or feed.

### FOLIAR SPRAY APPLICATIONS

#### Hydraulic Application Mixing Instructions

After shaking the product container, add the required amount of this product to a partially filled spray tank agitated by mechanical or hydraulic means and then add the remaining specified 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 specified amount of this product per 100 gallons of water for the prevention and control of the diseases shown below.

**Note:** The maximum single application rate for foliar application to ornamentals (excluding cut flowers) is 3.0 pounds thiophanate-methyl active ingredient (85.3 fl. oz. of product) per acre. The maximum application rate for foliar application to ornamentals per crop cycle is 300 pounds thiophanate-methyl active ingredient (66.7 gallons of product) per acre.

The maximum single application rate for application to cut flowers is 0.5 pounds thiophanate-methyl active ingredient (14.2 fl. oz. of product) per acre.

#### FOLIAR DISEASES

Disease(s) Controlled	Concentration of Product fl. oz./100 gals.	Remarks
Anthracnose <i>Colletotrichum</i>	10.75-20	Apply as buds break or at first sign of disease. Repeat application at 7-14 day intervals as needed during disease period.
Black Spot of Rose <i>Diplocarpon rosae</i>	10.75-20	Apply early summer or at first sign of disease. Repeat application every 7-14 days as needed during disease period.
Brown Rot and Blight <i>Monilinia,</i> <i>Sclerotini, Whetzellinia</i>	10.75-20	Apply late spring or at first sign of disease. Repeat application every 7-14 days as needed during the disease period.
Fusicladium and Venturia Leaf Scabs on: Crabapple, Hawthorn, Pear, Mountain Ash, Pyracantha, etc.	10.75-20	Apply as buds break. Repeat application every 7-14 days during disease period. Effective control requires coverage during leaf expansion. Rotations with chlorothalonil or propiconazole can be utilized.
Leaf Spots and Blights caused by: <i>Ascochyta, Blumeriella, Botrytis, Cercospora, Coccoomyces, Corynespora, Curvularia, Didymellina, Entomosporium, Fabraea, Fusarium, Ramularia, Rhizoctonia, Marssoninia, Mycosphaerella, Myrothecium, Phoma, Physalasporea, Schizothyrium, Septoria,</i>	10-14.5	Make applications when disease symptoms first appear. Repeat every 7-14 days during disease period. Rotate with chlorothalonil.

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Disease(s) Controlled	Concentration of Product fl. oz./100 gals.	Remarks
<i>Sphaceloma</i>		
Ovulinia Blight	7.25-20	Apply as flowers open. Repeat every 7-14 days during disease period.
Powdery Mildews <i>Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca</i>	10-20	Apply when disease first appears and repeat application every 7-14 days. Rotate with other effective products.
Rust Diseases caused by: <i>Puccinia, Gymnosporangium, Uromyces</i>	10.75-20	Apply late spring or when symptoms first appear. Repeat application every 7-14 days during disease period. Rotate with other effective products.
Tip Blight of Pine <i>Sphaeropsis sapinea, Diplodia pinea</i>	14.5-20	Begin applications in the spring when new growth starts. Make a second application just prior to needle emergence from the sheath and a third application 7 days later. Ensure thorough coverage.
Twig Blights, Cankers, and Diebacks <i>Diaporthe, Kabatina, Phoma, Phomopsis</i>	14.5-20	Apply when symptoms first appear. Repeat application every 7-14 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.

**SOIL DRENCH APPLICATIONS**

**Mixing Instructions:** Add the required amount of this product to a partially filled tank agitated by mechanical or hydraulic means. Add the remaining required amount of water. Maintain continuous agitation throughout application to keep the material in suspension.

**Application Concentrations/Rates and Timing for Disease Control:** Use 7.5 to 20 fl. oz. of this product per 100 gallons of water. Apply as a drench or heavy spray at the rate of 1/2 to 2 pints per square foot (100 gallons per 400 to 1,600 square feet). For small pots and shallow flats up to 4 inches in size, apply at 1 pint per square foot. For containers and pots 4 inches or larger, refer to the following table for the volume to apply. Make repeat applications at 4 to 8 week intervals depending on disease presence and conditions for disease development.

Container Type	Volume of Spray Mix to Apply to Each Container	
	1 pt./sq. ft Rate	2 pt./sq. ft Rate
4 inch	2 fl. oz.	
5 inch	2.5 fl. oz.	
6 inch		6.5 fl. oz.
7 inch		8.5 fl. oz.
8 inch		11 fl. oz.
9 inch		14 fl. oz.
10 inch		17.5 fl. oz.

For containers larger than 10 inches, apply in a drench volume of 2.5 to 3 pints per square foot of surface area.

**Plant Types:** Containerized woody shrubs, trees, herbaceous/bedding, flowering, and tropical foliage plants and flowers and bedding plants in the landscape.

**Note:** Do not apply this product to plug trays or seedling flats at time of seeding.

**Soil Diseases Controlled:** Botrytis, Cyndrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia and Thielaviopsis.

**Note:** Pythium, Phytophthora and Cyndrocladium spathiphylli are not controlled by this product.

### PLANT DIP TREATMENT

**Mixing Instructions:** Mix as described in the "FOLIAR" and "SOIL DRENCH APPLICATIONS" sections of this label. Maintain continuous agitation during application.

#### Application Concentration and Dipping Time

**Plants or Cuttings:** Use 14.5 to 21.5 fl. oz. of this product per 100 gallons of water. Immerse plants or cuttings for 10 to 15 minutes, remove and allow to drain and dry. Wear protective clothing as described under the "PERSONAL PROTECTIVE EQUIPMENT" section of this label.

**Bulbs, Corms, Tubers and Rhizomes -** Use 14.5 to 33 fl. oz. of this product per 100 gallons of water or 2 teaspoons of this product per gallon of water. Soak cleaned bulbs for 15 to 30 minutes in warm dip (80-85°F) within 48 hours of digging. Dry bulbs after treatment. If bulbs are for forcing, treat bulbs that have been heat-cured.

**Plant Types:** Plants, cuttings, cane sections of woody herbaceous, flowering and tropical foliage plants. Bulbs, corms, tubers, and rhizomes of plants such as but not limited to Caladium, Easter Lily, Tulip, Gladiolus, Daffodil, Iris.

**Diseases Controlled:** Botrytis, Cyndrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis.

### TURF APPLICATIONS

For use only by certified applicators or those under their immediate supervision. Do not apply with fixed wing or rotary aircraft. Not for use on turf being grown for sale or other commercial use as sod.

Use this product against certain foliar and soil diseases for use on all turf types such as golf course greens, tees and fairways, athletic fields, cemeteries, parks, and commercial and home lawns. Use this product both preventatively and curatively and is not phytotoxic. Do not use this product on turf being grown for sale or other commercial uses as sod.

**Mixing Instructions:** Add the required amount of this product 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.

**Turf Types:** All cool season and warm season grasses (such as but not limited to Bentgrasses, Bermudagrasses, Bluegrasses, Fescues, Ryegrasses, St. Augustinegrasses and Zoysiagrasses) or their mixtures.

Disease(s) Controlled	Rate of Product fl. oz./1,000 sq. ft**	Remarks
Anthracnose <i>Collectotricum graminicola</i>	1.75 to 3.5 (3.5 to 5.33)*	Apply when disease first appears. Make additional applications at 14 day intervals as needed. Allow spray to dry on leaves with no "watering in".
Ascochyta Leaf Blight <i>Ascochyta</i> spp. Dollar Spot <i>Sclerotinia homoeocarpa</i> , <i>Moellerodiscus</i> spp., <i>Lanzia</i> spp. Copper Spot <i>Gloeocerospora sorghi</i> Brown Patch and Zoysia Patch <i>Rhizoctonia solani</i> Fusarium Patch <i>Fusarium nivale</i> Red Thread <i>Laetisaria fusiformis</i>	1.75 to 3.5	Apply when disease first appears. Make additional applications at 14 day intervals as needed. Allow spray to dry on leaves with no "watering in".
Pink Snow Mold <i>Microdochium nivale</i> (Only for those areas where snow cover is not present the entire winter)	1.75 to 3.5	Apply this product in middle to late November before turf has stopped all growth activity. Lightly water application into the root zone for best results. For best results, use a spreader-sticker. Second spray should dry on leaf surfaces with no "watering-in". Minimum spray interval is 14 days.
Gray Leaf Spot <i>Pyricularia grisea</i>	3.5 to 5.33	Apply when conditions are favorable for disease development. Continue applications at 14 day intervals. Allow spray to dry on leaves with no "watering in".
Summer Patch <i>Magnaportha poae</i>	3.5 to 5.33	For preventative treatment, make 3 applications at 21 day intervals beginning in early May. Water product into the root zone thoroughly after application. For suppression, apply two applications at 14 day intervals beginning when disease first appears.
Cool Season Brown Patch <i>Rhizoctonia cerealis</i> Fusarium Blight <i>Fusarium</i> spp. Necrotic Ring Spot and Spring Dead Spot <i>Leptosphaeria korrae</i>	3.5 to 5.33	Make two applications at 14 day intervals beginning when disease first appears.

Disease(s) Controlled	Rate of Product fl. oz./1,000 sq. ft**	Remarks
Stripe Smut <i>Ustilago striiformis</i>	3.5 to 5.33	Make two applications at 14 day intervals when disease first appears. Water product into the root zone after application. For prevention, apply in the spring (just before grass begins growth), and in the fall.
Bermudagrass Decline <i>Gaeumannomyces graminis</i> var. <i>graminis</i> Take-All Patch <i>Gaeumannomyces graminis</i> var. <i>avenae</i>	3.5 to 5.33	Make applications in Mid-July or when disease symptoms first appear. Repeat applications at 14-day intervals. Use higher rates under severe disease pressure. Water product into root zone.
Coprinus Snow Mold <i>Coprinus psychromorbidus</i>	3.5 to 5.33	Make 2 applications at 21-day intervals starting in late fall to early winter. Make the last application just prior to first permanent snow cover.
Leaf Spot <i>Drechsler</i> spp. Leaf Crown & Root Diseases <i>Bipolaris</i> , <i>Curvalria</i> , <i>Exserohilum</i> Rusts <i>Puccinia</i> spp., <i>Uromyces</i> spp.	3.5 to 5.33	Start applications when disease first appears and at 14-day intervals as needed.
Bentgrass Dead Spot <i>Ophiosphaerella agrostis</i>	3.5 to 5.33	Based on the local Extension Service instructions, start applications in early June to prevent bentgrass dead spot and every 14 days as needed.

\*Use 3.5 to 5.33 fl. oz. rate for curative response to Basal Stem Anthracnose.

\*\*Refer to the "Use Sites and Maximum Application Rates" table to determine allowable rates for each application.

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### Turf Application Directions

Apply this product 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 1 1/2 to 2 1/2 gallons per 1,000 sq. ft. of turf area. When treating golf greens, always treat aprons and approaches to golf greens. The minimum retreatment interval for turf applications is 14 days.

### Use Sites and Maximum Application Rates

Site	Maximum Single Application Rate fl. oz./1,000 sq. ft	Maximum Seasonal Application Rate fl. oz./1,000 sq. ft
Golf Course Greens, Tees and Aprons	5.33	14.25
Golf Course Fairways (Except Florida)	3.5	3.5
Golf Course Fairways (Florida Only)	1.75	1.75
Residential and Public Areas (home lawns, parks, athletic fields, schools, day care centers)	1.75	7

**Note to User: Do not graze animals on treated turf. Do not feed clippings to livestock or poultry.**

**Shake well before using.**

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container in a dry, temperature controlled area.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** 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.

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