

228-628

12/21/2009

1/16



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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

DEC 21 2009

Ms. Lizbeth Rea
Regulatory Manager
Nufarm Americas Inc.
150 Harvester Drive, Ste 200
Burr Ridge, IL 60527

RE: Notification of Primary Brand Name to: Nufarm T-Methyl SPC 50 WSB Fungicide
EPA Registration Number: 228-628
Date of Submission: November 6, 2009

Dear Ms. Rea:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated, November 6, 2009, for the above mentioned product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please me directly at 703-305-6249 or Joyce Edwards of my staff at 703-308-5479.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 228-628	2. EPA Product Manager Mary Waller	3. Proposed Classification ☒ None ☐ Restricted
4. Company/Product (Name) Nufarm T-Methyl Pro 50 WSB Fungicide	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive, Ste. 200 Burr Ridge, IL 60527		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____
☐ Check if this is a new address		

Section - II

☐ Amendment - Explain below.	☐ Final printed labels in response to Agency letter dated _____	NOTIFICATION DEC 21 2009
☐ Resubmission in response to Agency letter dated _____	☐ "Me Too" Application.	
☒ Notification - Explain below.	☐ Other - Explain below.	

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

Notification of a primary brand name (Nufarm T-Methyl SPC 50 WSB Fungicide) change per PRN 98-10. This notification is consistent with the provisions of PRN 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 PRN 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 FIFRA.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging ☐ Yes ☒ No	Unit Packaging ☐ Yes ☒ No	Water Soluble Packaging ☒ Yes ☐ No	2. Type of Container ☒ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container
		8 oz	4
3. Location of Net Contents Information ☒ Label ☐ Container		4. Size(s) Retail Container 6 x 4 x 8 oz	5. Location of Label Directions ☒ On Label ☐ On Labeling accompanying product
6. Manner in Which Label is Affixed to Product ☒ Lithograph Paper glued Stenciled ☐ Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Lizbeth Rea	Title Regulatory Manager	Telephone No. (Include Area Code) 919/655-0761	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment of both under applicable law.			6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager		
4. Typed Name Lizbeth Rea	5. Date 11/06/2009		



3/16
Nufarm Americas, Inc.
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Phone: 630.455.2000 Fax: 630.455.2001
www.us.nufarm.com

November 6, 2009

Via Overnight Courier

Linda Arrington
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

Subject: Nufarm T-Methyl Pro 50 WSB Fungicide
EPA Reg. No. 228-628
PBN Change: Nufarm T-Methyl SPC 50 WSB Fungicide

Dear Ms. Arrington:

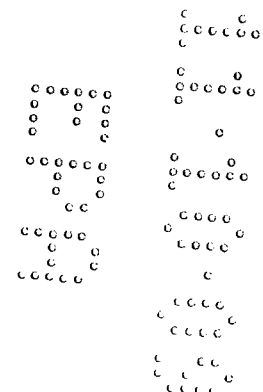
The following documents are attached in support of the primary brand name change being made via notification under PR Notices 98-10 (Notifications, Non-Notifications and Minor Formulation Amendments). In an effort to assist EPA in their directive to replace "Pro" in the name of products, we've changed the primary brand name of the subject product from Nufarm T-Methyl Pro 50 WSB Fungicide to Nufarm T-Methyl SPC 50 WSB Fungicide.

- Application for a New Product Registration (EPA Form 8570-1)
- Certification With Respect to Label Integrity form for electronic submission of the label.
- One (1) copy of the Nufarm T-Methyl Pro 50 WSB Fungicide label with changes tracked.
- Five (5) copies of the Nufarm T-Methyl SPC 50 WSB Fungicide label with changes incorporated.

Please call me at 919/655-0701 if you have any questions and/or comments regarding this submission.

Sincerely,

Lizbeth Rea
Regulatory Manager
Nufarm Americas Inc.



Certification with Respect to Label Integrity

version: 9/11/02

I certify that the information (including, but not limited to, text, tables, and graphics) contained in the electronic file identified below by file name and submitted with this certification is the same information as that on the paper copies of these documents included with this submission.

PROPOSED LABEL		
EPA Registration #	Date Submitted to EPA	Electronic file name
000228-000628	11/06/2009	000228-000628.20091106.PBNChange. Notification

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


Signature

11/6/09
Date

Lizabeth Rea

Regulatory Manager
Title

5/16

Nufarm T-Methyl ~~Pro~~ SPC 50 WSB Fungicide

Systemic Turf and Ornamental Fungicide

For control of a broad spectrum of diseases of herbaceous, bedding, flowering and tropical foliage plants, shrubs, trees and flowers in the landscape, interiorscape, nursery and greenhouse, containerized woody shrubs and trees, and turfgrass.

NOTIFICATION

DEC 21 2009

ACTIVE INGREDIENT:

Thiophanate-methyl 50.0%

OTHER INGREDIENTS: 50.0%

TOTAL:..... 100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

See inside label booklet for additional FIRSTAID and PRECAUTIONARY STATEMENTS

EPA Reg. No. 228-628

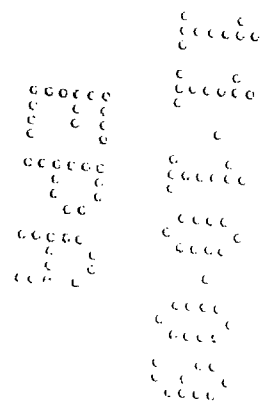
EPA Est. No.

Manufactured for:
Nufarm Americas Inc.
150 Harvester Drive
Burr Ridge, IL 60527

Nufarm T-Methyl ~~Pro~~ SPC 50 WSB
contains thiophanate-methyl, the
active ingredient used in Cleary
3336™.

Net Weight:

000228-000628.200911060715 EXFRPNChange.Notification



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

Causes moderate eye irritation. Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils or viton ≥ 14 mils. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Handlers mixing, loading and applying this product as a dip (including application of product in Kaolinite clay to conifer seedling roots) must wear:

- Coveralls over long-sleeved shirt and long pants;
- Chemical-resistant gloves;
- Chemical-resistant footwear plus socks;
- Chemical-resistant apron

All other mixers, loaders, applicators and handlers must wear:

- Long-sleeved shirt and long pants;
- Shoes plus socks;
- Chemical-resistant gloves for all mixers and loaders and for applicators using hand held equipment

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

Water soluble packets when used correctly qualify as a closed mixing/loading system under the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. Mixers and loaders using water soluble packets must:

- Wear the personal protective equipment required above for mixers/loaders, and
- Be provided and must have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown coveralls, and chemical-resistant footwear.

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.

FIRST AID	
If in eyes:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or 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 1-800-424-9300 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. 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.

Not for homeowner use. For use only by certified applicators or those under their immediate supervision. Not for use on turf being grown for sale or other commercial use as sod. Do not 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 area until sprays have dried.

GENERAL INFORMATION

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

This canister/bag contains four 8 ounce of product in water-soluble bags.

To mix, add 2/3 of the required amount of water to the spray or mixing tank. With agitator running, place the required amount of unopened water-soluble bags into the partially filled sprayer tank or closed system mix tank. Maintain agitation to ensure even suspension of the product. Make fresh daily. Spray uniformly over the area to be treated with a boom type or other power sprayer.

Do not handle water-soluble bags for longer than required to place into sprayer tank. Do not expose water-soluble bags to moisture.

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: When treatments of this product are ineffective, a tolerant strain of fungus is most likely present. Consult your Etigra representative or distributor, your local State Agricultural Experiment Station or State Agricultural Extension Service for advice on prompt use of some other labeled fungicide.

CHEMIGATION INSTRUCTIONS

For Use on Ornamentals 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.

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 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. 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.

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.

HORTICULTURAL APPLICATIONS

GREENHOUSE, NURSERY, LANDSCAPE AND INTERIORSCAPE

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, use an acceptable wetting agent to the spray tank to increase product efficacy. Use of a spreader-sticker when excessive and repeated foliar wetting occurs. Use this product to control listed diseases on non-commercial fruit and nut trees. Do not use fruit, nuts or sap from treated trees as food or feed.

Note: It has been determined this product is 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 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*), Boston Fern (*Plectranthus australis*), 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

Plant Type	Such as but not limited to:
Flowering Trees*	Cherry, Crabapple, Hawthorn, Mountain Ash, Pear

*Do not use fruit, nuts or sap from treated trees as food or feed.

FOLIAR SPRAY APPLICATIONS

Hydraulic Application Mixing Instructions

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 per acre for the prevention and control of the diseases shown below.

For cut flower applications, do not apply more than 0.5 lbs. thiophanate methyl active ingredient per acre per application (equivalent to 16 oz. product per acre per application).

FOLIAR DISEASES

Diseases/Pathogens Controlled	Concentration of Product oz./100 gals.	Remarks
Anthrachnose <i>Colletotrichum</i>	12-16	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>	12-16	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</i> , <i>Whetzellinia</i>	12-16	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.	12-16	Apply as buds break. Repeat application every 7-14 days during disease period. Effective control requires coverage during expansion. Rotations with chlorothalonil or propiconazole can be utilized.
Leaf Spots and Blights caused by: <i>Ascochyta</i> , <i>Blumeriella</i> , <i>Botrytis</i> , <i>Cercospora</i> , <i>Coccomyces</i> , <i>Corynespora</i> , <i>Curvularia</i> , <i>Didymellina</i> , <i>Entomosporium</i> , <i>Fabraea</i> , <i>Fusarium</i> , <i>Ramularia</i> , <i>Rhizoctonia</i> , <i>Marssoninia</i> , <i>Mycosphaerella</i> , <i>Myrothecium</i> , <i>Phoma</i> , <i>Physalasporea</i> , <i>Schizothyrium</i> , <i>Septoria</i> , <i>Sphaceloma</i>	12-16	Make applications when disease symptoms first appear. Repeat every 7-14 days during disease period. Rotate with chlorothalonil.

Diseases/Pathogens Controlled	Concentration of Product oz./100 gals.	Remarks
Ovulinia Blight	8-16	Apply as flowers open. Repeat every 7-14 days during disease period.
Powdery Mildews <i>Erysiphe</i> , <i>Microsphaera</i> , <i>Phyllactinia</i> , <i>Podosphaera</i> , <i>Oidium</i> , <i>Sphaerotheca</i>	8-16	Apply when disease first appears and repeat application every 7-14 days. Rotate with other effective products.
Rust Diseases caused by: <i>Puccinia</i> , <i>Gymnosporangium</i> , <i>Uromyces</i>	12-16	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</i> , <i>Diplodia pinea</i>	12-16	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</i> , <i>Kabatina</i> , <i>Phoma</i> , <i>Phomopsis</i>	16-32	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 8 to 16 oz. of this product per 100 gallons of water. Apply as a drench or heavy spray at the rate of ½ 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, use 8 oz./100 gallons applied 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 to Apply/Container	
	1 pt./sq. ft. Rate	2 pt./sq. ft. Rate
4 inch	2 fl. oz.	
5 inch	2 ½ fl. oz.	
6 inch		6 ½ fl. oz.
7 inch		8 ½ fl. oz.
8 inch		11 fl. oz.
9 inch		14 fl. oz.
10 inch		17 ½ fl. oz.

For containers larger than 10 inches, consider a drench volume of 2 ½ to 3 pints per square foot of surface.

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, Cythroccladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia and Thielaviopsis.

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

PLANT DIP TREATMENT

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

Application Concentration and Dipping Time

Plants or Cuttings: Use 12-16 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 16-32 oz. of this product per 100 gallons 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: Propagated units 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: Botryis, Cythroccladium, Fusarium, Gliocladium, Myrothecium, Penicilium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis.

INTERIORESCAPE USE

Spray Application: Mix well before spraying. Ensure complete coverage by spraying foliage to runoff, thoroughly wetting upper and lower leaf surfaces. Use concentrations specified under the "FOLIAR DISEASES" and "SOIL DRENCH APPLICATIONS" sections of this label for foliar, twig and drench application. Use a coarse, low pressure spray when applying in public areas. Apply during non-business hours or cordon off area during spraying and until spray has dried. Avoid spraying wall coverings, plastic (vinyl) surfaces, drapes, carpets, and upholstery.

TURF APPLICATIONS

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 oz./1,000 sq. ft.*	Remarks
Anthracnose <i>Collectotricum graminicola</i>	2-4 (4-6)**	Apply when disease first appears. Make additional applications at 14 day intervals as needed. Allow spray to dry on leaves with no "watering in".
Dollar Spot <i>Sclerotinia homoeocarpa</i> Copper Spot <i>Gloeocerospora sorghi</i> Brown Patch and Zoysia Patch <i>Rhizoctonia solani</i> Red Thread <i>Laetisaria fusiformis</i>	2-4	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)	2-4	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>	4-6	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>	4-6	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.
Fusarium Blight <i>Fusarium spp.</i> Necrotic Ring Spot and Spring Dead Spot <i>Leptosphaeria korrae</i>	4-6	Make two applications at 14 day intervals beginning when disease first appears.
Stripe Smut <i>Ustilago striformis</i>	4-6	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.

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

**Use 4-6 oz. rate for curative response to Basal Stem Anthracnose.

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 ½ to 2 ½ 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 oz./1,000 sq. ft.	Maximum Seasonal Application Rate oz./1,000 sq. ft.
Golf Course Greens, Tees and Aprons	6	16
Golf Course Fairways (Except Florida)	4	4
Golf Course Fairways (Florida Only)	2	2
Residential and Public Areas (home lawns, parks, athletic fields, schools, day care centers)	2	8

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

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: Completely empty bag into application equipment. Then dispose of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER,

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