

Dr. Janet Ollinger  
Rohm and Haas Company  
100 Independence Mall West  
Philadelphia, PA 19106-2399

OCT 11 1994

Dear Dr. Ollinger:

Subject: Fore Turf and Ornamental Fungicide  
EPA Reg. No. 707-87  
Your Submissions of December 21, 1993 and  
August 16, 1994

The revised Confidential Statement of Formula submitted on December 21, 1993 is acceptable and has been inserted into the file for this product.

The amendment referred to above (August 16, 1994), submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration or reregistration of your product under FIFRA section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.

2. The added statements regarding use of more than one EBDC containing fungicide should be deleted. These statements are only relevant to food crop uses and are not necessary for turf or ornamental uses since no restrictions regarding rates, maximum number of applications or preharvest intervals have been imposed for these uses.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration

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will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

LSJ

Leonard S. Cole, Jr.  
Acting Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

7505C:C.Grable:cg:9/30/94

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# FORE®

## TURF AND ORNAMENTAL FUNGICIDE

### ACTIVE INGREDIENTS

#### MANCOZEB

A coordination product of zinc ion and manganese

ethylene bisdithiocarbamate.....80%

In which the ingredients are:

Manganese<sup>++</sup>.....16.00%

Zinc<sup>++</sup>.....2.00%

Ethylene bisdithiocarbamate

ion (C<sub>4</sub>H<sub>6</sub>N<sub>2</sub>S<sub>4</sub>)<sup>--</sup>.....62.00%

INERT INGREDIENTS.....20%

TOTAL 100%

EPA REG NO. 707-87

EPA EST. NO. 707-FR1

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product unopened within thirty days of purchase to the place of purchase.

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Dilute by giving 2 glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.

**IF INHALED:** Move subject to fresh air.

**IF IN EYES:** Flush eyes with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.

**IF ON SKIN:** Wash affected skin areas with soap and water.

ACCEPTED  
with COMMENTS  
OCT 11 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

707-87

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)  
CAUTION**

May cause irritation of nose, throat, eyes and skin. Do not breathe dust or spray mist.

**Personal Protective Equipment (PPE):**

**Applicators and other handlers (other than mixers and loaders) must wear:**

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

**Mixers and Loaders must wear:**

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing or loading

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

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

**User Safety Recommendations**

**Users should:**

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

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. For terrestrial uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or disposing of wastes.

**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 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
- Waterproof gloves
- 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.

Seed treatments and professional applications to lawn grasses, golf courses, industrial (office park), municipal and residential lawns are not within the scope of the Worker Protection Standard.

- Keep unprotected persons out of treated area until sprays have dried.

**STORAGE AND DISPOSAL**

**STORAGE:** Keep away from fire and sparks. Store in a cool, dry, well-ventilated area. Do not allow to become wet or overheated in storage: decomposition, impaired activity, or fire may result. Keep container closed when not in use.

Pallets of containers should not be stacked more than three high. Provide access aisle for each two rows. Decomposition produces a foul odor; if observed, check for hot containers and immediately remove to open areas for disposal.

**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:** 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.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Sweep or shovel into containers for disposal or reworking. Keep dusting to a minimum. Flush contaminated area with a large amount of water to a chemical or sanitary sewer containing a settling pit. Refer to Precautionary Statements.

**CONDITIONS OF SALE AND WARRANTY**

Rohm and Haas warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. **ROHM AND HAAS MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.** Handling, storage and use of the product by Buyer or User are beyond the control of Rohm and Haas and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pest, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. **IN NO CASE WILL ROHM AND HAAS OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**

**CHEMIGATION**

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM**

**GENERAL USE INFORMATION**

FORE Turf and Ornamental fungicide is a unique and different broad-spectrum protectant fungicide which, when used according to label directions, provides high levels of disease control. Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program. The addition of an spreader-sticker will improve fungicide performance by providing a more uniform spray deposit, increased foliar redistribution, and improved fungicide retention during periods of wet weather.

**USE RATE DETERMINATION**

Carefully read, understand, and follow label use rates and restrictions. Under low disease conditions, minimum label rates per application can be used while maximum label rates and the minimum interval may be used for severe or threatening disease conditions. For proper application to turf, determine the square footage to be treated, divide the footage by 1000 and multiply by the recommended fungicide use rate per 1000 sq. ft., and then determine the amount of water required to provide adequate coverage. When treating ornamentals, determine the recommended fungicide use rate and the spray gallonage required to provide a thorough coverage. Prepare only the amount of spray solution required to treat the desired area.

**MIXING**

Slowly place into spray tank as it is being filled or thoroughly premix in a nurse tank for concentrate sprayers. Add other co-applied fungicides, insecticides, growth regulators, micronutrients and spray adjuvants after FORE Turf and Ornamental fungicide has been placed into suspension. When preparing spray solutions for use in a hand sprayer, premix as a slurry in a small container, and then add to sprayer containint 1/3 to 1/2 the desired final water volume.

**COMPATIBILITY**

FORE Turf and Ornamental fungicide is compatible with most commonly used agricultural fungicides, insecticides and growth regulators. When preparing tank mixes, user should consult spray compatibility charts or State Cooperative Extension Service Specialists prior to actual use. The physical spray compatibility of specific tank mixes can be checked by preparing a sample suspension in a glass container and observing the suspension for any adverse effects which might interfere with proper spray application.

**SPRAY ADJUVANTS**

The addition of a surfactant to FORE Turf and Ornamental fungicide sprays will improve initial spray deposits, fungicide redistribution and weatherability. Place FORE Turf and Ornamental fungicide into suspension prior to adding an adjuvant to the spray mixture. Read and carefully observe the precautionary statements and all other information appearing on both product labels prior to spray preparation.

**APPLICATION**

FORE turf and ornamental fungicide is a protectant fungicide. Optimum disease control is achieved with thorough coverage sprays applied on a regular bases.

**Hand Sprayers**-Thoroughly spray plant foliage until runoff. When FORE Turf and Ornamental fungicide is applied by a hand sprayer, 1 pound FORE Turf and Ornamental fungicide per 100 gallons is equivalent to 1 level tablespoon per gallon spray solution.

**DISEASE SCOUTING**

FORE Turf and Ornamental fungicide is a broad-spectrum protectant fungicide. If not applied on a routine protectant spray schedule, turf and ornamental plants should be frequently observed for disease signs or symptoms. Fungicide application should be made at the recommended label use rate and spray schedule, when disease is first observed, reported in local area, or during environmental conditions favorable for disease development.

**RESTRICTIONS**

Users should carefully read, understand, and follow all use restrictions prior to using FORE Turf and Ornamental fungicide.

**Foliar Applications**

**Where EBDC Products Used Allow the Same Maximum Poundage of Active Ingredient Per Acre Per Season**

If more than one product containing an EBDC active ingredient (maneb, mancozeb, or metiram) is used on a crop during the same growing season and the EBDC products used allow the same maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed any one of the specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

**Where EBDC Products Used Allow Different Maximum Poundage of Active Ingredient Per Acre Per Season**

If more than one product containing an EBDC active ingredient is used on a crop during the same growing season and the EBDC products used allow different maximum poundage of active ingredient per acre per season, then the total poundage of all such EBDC products used must not exceed the lowest specified individual EBDC product maximum seasonal poundage of active ingredient allowed per acre.

**TURF-** For golf courses, sod farms, industrial or municipal turf areas and professional applications to residential lawns. **Not for use by homeowners.**

Start application when grass greens-up in spring or when disease first appears and repeat at 7 to 14 day intervals or until disease threat is past. When conditions are especially favorable for disease development, apply maximum fungicide use rate on a 7 day spray schedule. Apply in sufficient water to provide adequate coverage.

CROP	DISEASES CONTROLLED	RATE OF FORT PER APPLICATION OZ./1000 SQ.FT.	REMARKS (Also refer to Directions For Use)	RESTRICTIONS
Assorted grasses	Helminthosporium melting-out Rust(leaf, stem, stripe)	4		Do not graze treated areas.
	Copper spot Fusarium blight Powdery mildew Red thread Slime mold	4 to 8		Do not use on grasses intended for grazing, such as range or pasture grasses.
	Algae	6		Do not feed clippings to livestock.
	Dollar spot	6 to 8		Do not use on grasses grown for seed.
	Rhizoctonia brown patch	4	Apply on a 7 day spray schedule.	
	Pythium blight	8	Apply at 5 day intervals, or more frequently, if conditions are especially favorable for disease development	
	Fusarium snow mold	6 to 8	Apply at 2 to 6 week intervals during winter.	



**ORNAMENTALS.** Not intended for use on fruit trees by homeowners. Neither the manufacturer nor the seller has determined the effects of using FORE Turf and Ornamental fungicide on ornamentals not specified on this label. Prior to any large-scale applications to plants not specified on this label, the user should determine the effects of FORE fungicide by testing a small section of the type of plants treated. User assumes all risk arising out of application to unlabeled plants. The Conditions of Sale and Warranty apply to all uses.

Apply 1.5 lbs. FORE Turf and Ornamental fungicide per 100 gals. dilute spray. The addition of a spray adjuvant to spray solutions will improve performance. Begin spraying when plants are well leafed out or at first sign of disease, in a full coverage spray at 7 to 10 day intervals throughout season or follow State Extension Service recommendations for disease control on the following ornamental plants.

CROP	DISEASES CONTROLLED	REMARKS(Also refer to Directions for Use)	RESTRICTIONS	
African violet	Botrytis blight		Do not use for food or feed purposes. (applies to all Ornamentals)	
Anthurium	Anthracnose, spadix rot			
Arborvitae	Cercospora blight			
Ash, mountain	Entomosporium leaf spot Guignardia leaf blotch			
Ash, white	Anthracnose Cylindrosporium leaf spot			
Aster, perennial	Puccinia rusts			
Aucuba, japonica	Alternaria leaf spot Anthracnose			
Azalea	Cylindrocladium rot Petal blight Phytophthora twig and bud blight	Apply in a full coverage spray, 2 to 3 times a week, while flowers are opening. Direct spray into flowers and thoroughly spray ground under bushes.		
Begonia	Botrytis blight			
Buffaloberry	Cylindrosporium leaf spot			Do not use fruit for food or feed purposes.
Camellias	Petal blight	Refer to Azalea.		
Carnation	Rust Septoria leaf spot			
Cedar, red (Juniper)	Cercospora blight Phomopsis blight			
Chrysanthemum	Ascochyta blight Botrytis petal spot Rust	Apply twice weekly during blooming period.		
Conifers	Lophodermium needle cast Pine gall rust Scirrhia brown spot	Begin application in spring or early summer before infection occurs. Repeat after heavy rains and at two week intervals as long as needed.		
Cordyline	Cercospora leaf spot			
Crabapple (Ornamental)	Cedar-apple rust Scab Sphaeropsis leaf spot			
Cypress, Arizona (Cupressus sp.)	Cercospora blight Monochaetia canker			

**ORNAMENTALS -cont'd-**

CROP	DISEASES CONTROLLED	REMARKS (Also Refer to Directions For Use)	RESTRICTIONS
Dahlia	Botrytis blight		
Dieffenbachia	Leptosphaeria brown spot		
Dogwood, flowering	Anthracnose Elsinoe leaf spot Septoria leaf spot	Apply when buds begin to open, when bracts have fallen, 4 weeks later and again in late summer after flower buds for next season have formed.	
Dracaena	Fusarium leaf spot		
Elm	Black leaf spot		
Euonymus	Anthracnose		
Fatsia	Anthracnose		
Fern	Rhizoctonia blight		
Ficus	Cercospora leaf spot		
Firethorn (pyracantha)	Fusicladium scab		
Fir, Douglas	Swiss needle cast		
Fuchsia	Botrytis blight Rust		
Geranium	Rust		
Gladiolus	Botrytis blossom blight Curvularia leaf spot	Make regular weekly applications starting before diseases appear and increase to 2 or 3 applications per week during periods of heavy disease and during rainy weather. On flower spikes, reduce spray concentration to 3/4 lb. per 100 gals.	
Hawthorn	Cedar-apple rust Fabraea leaf spot Frogeye leaf spot Hawthorn rust Scab		
Holly	Purple spot		
Hollyhock	Anthracnose Cercospora leaf spot Puccinia rust		
Honeysuckle	Herpobasidium blight		
Horsechestnut, Buckeye	Alternaria leaf spot Guignardia leaf blotch		
Hydrangea	Botrytis blight Cercospora leaf spot		
Iris	Didymellina leaf spot Mystrosporium ink spot		
Juniper	Phomopsis blight		
Laurel, mountain	Cercospora leaf spot Petal blight	Refer to Azalea.	

**ORNAMENTALS -cont'd-**

CROP	DISEASES CONTROLLED	REMARKS(Also refer to Directions For Use)	RESTRICTIONS
Ligustrum	Cercospora leaf spot		Do not use on Sugar maples intended for the production of maple syrup.
Lily	Botrytis blight		
Magnolia	Gloeosporium leaf spot		
Maple	Alternaria leaf spot Phyllosticta leaf spot		
Marigold	Botrytis blossom blight	Do not use on French dwarf double or Signet type marigold seedlings.	
Narcissus	Botrytis blight (fire) Smoulder		
Oak	Actinopelte leaf spot Taphrina leaf blister		
Orchid (Dendrobium)	Botrytis blossom blight		
Pachysandra	Volutella blight	Use a drenching spray of 2 lbs. per 50 gallons of water per 5,000 sq. ft. of bed. Start applications at first sign of disease and apply at least 5 applications at 10 to 14 day intervals.	
Pansy	Anthrachnose		
Peony	Botrytis blossom blight Phytophthora blight	Apply in early spring and early fall, drenching soil around plants as well as the foliage. Promptly destroy all infected plant parts.	
Peperomia	Cercospora leaf spot		
Philodendron	Dactylaria leaf spot Phytophthora leaf spot		
Photinia	Entomosporium leaf spot		
Pleomele	Fusarium leaf spot		
Poinsettia	Sphaceloma scab		
Rhododendron	Cercospora leaf spot Discosia leaf spot Petal blight	Refer to Azalea.	
Rose	Black spot Cercospora leaf spot Rust		
Schefflera	Alternaria blight		
Skunkbush, sumac	Cylindrosporium leaf spot		
Snapdragon	Rust		
Statice	Cercospora frog-eye		
Syngonium	Cephalosporium leaf spot		

**ORNAMENTALS - cont.-**

CROP	DISEASES CONTROLLED	REMARKS (Also refer to Directions For Use)	RESTRICTIONS
Tulip	Botrytis blight (fire)		
Venus, flytrap	Anthracnose		
Viburnum	Downy mildew Ramularia leaf spot		
Walnut	Anthracnose		Do not use treated walnuts for food or feed purposes.
Zinnia	Alternaria leaf blight		

FORE is a registered trademark of the Rohm and Haas Company.

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