

Reg # 707-87

PM - 21

File
1913

United States Environmental Protection Agency
Washington, D.C. 20460

OCT 1 1993

Office of
Prevention, Pesticides and
Toxic Substances

Janet Ollinger, Ph D
ROHM & HAAS COMPANY
AGRI. CHEMICALS REGISTRATION & REGULATOR
INDEPENDENCE MALL WEST
PHILADELPHIA PA 19105

Subject: Label Amendment Submission of 06/04/93
in Compliance with WPS Labeling Requirements
EPA Reg No. 707-87
FORE TURF AND ORNAMENTAL FUNGICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted subject to the comments listed below.

Based on your certification, the Agency has accepted only those changes to your labeling which are necessary to comply with PR Notices 93-7 and 93-11, which reflect the WPS labeling requirements of 40 CFR part 156, subpart K. Any other labeling changes submitted in connection with this amendment application and not directly related to compliance with PR Notice 93-7 or 93-11 have neither been reviewed nor accepted by the Agency. If you wish to make any such changes, you must submit a separate amendment application proposing them. If your product registration is currently suspended, acceptance of this labeling amendment does not affect the suspension in any way.

A copy of your proposed labeling stamped "Accepted with comments" is attached. Make any required changes described in the attached and send three copies of final labeling as soon as it is available to:

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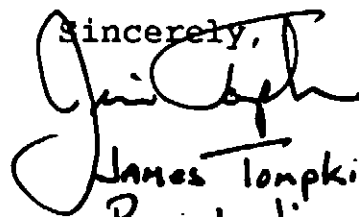
Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (H-7504C)
U.S. Environmental Protection Agency
401 M Street SW
Washington, DC 20460-0001

Hand or courier deliveries of final labels may be made to:

Document Processing Desk (FIN-LABEL)
Room 266A Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Please correct the typographical errors circled on the draft before printing final labeling.

In your final labeling the "Agricultural Use Requirements" text must be contained in a clearly separate box. This box may be set apart by a line, by another graphical device, by a different color background, or in any other way that clearly distinguishes it from surrounding text.

Sincerely,

James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (75054)

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ROHM & HAAS COMPANY
FORE TURF AND ORNAMENTAL FUNGICIDE
707-87 06/04/93
Original Submission

The lead-in statement to your PPE section is not in conformance with the WPS guidelines.

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

Replace chemical-resistant gloves with waterproof gloves unless there is a solvent. In that case, the chemical-resistant category must be identified in the following statement: "Some materials that are chemical resistant to the product are listed below. If you want more options follow the instructions for category [B,C,D,E,F,G,H] on an EPA chemical resistant category chart." Place this statement above the PPE requirements.

You have not transcribed the first paragraph in the Agricultural Use Requirements section exactly as prescribed in the Main Labeling Guidance.

Delete protective eyewear from your list of required early entry PPE.

Your label contains redundant WPS phrases that should be eliminated. Please see the attached comments.

Admin: 707-87

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Analyst comments:

In the Engineering Controls statements there is redundant language regarding PPE that has already been covered in the PPE section.

In Agricultural Use Requirements the words, "and restricted-entry interval" are missing.

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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⁺⁺.....16.00%

Zinc⁺⁺.....2.00%

Ethylene bisdithiocarbamate

ion (C₄H₆N₂S₄)⁻.....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.

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ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 1 1993

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

707-87

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). 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
- Chemical-resistant gloves, such as butyl rubber or nitrite rubber or neoprene rubber or Viton.
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

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

- 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 container 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.

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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. If this product is used on a crop, no other product containing a different EBDC active ingredient may be used on the same crop during the same growing season.

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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, stribe)	4		Do not graze treated areas.
	Copper spot Fusarium blight Powdery mildew Red thread Sime 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	Anthracoese, spadix rot		
Arbovitae	Cercospora blight		
Ash, mountain	Entomosporium leaf spot Guignardia leaf blotch		
Ash, white	Anthracoese Cylindrosporium leaf spot		
Aster, perennial	Puccinia rusts		
Aucuba, japonica	Alternaria leaf spot Anthracoese		
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	Anisopelte 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	Anthracnose		
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		

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ORNAMENTALS - cont.-

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

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