

PM 21 707-232

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MAY 4 1998

Dr. Richard D. Costlow  
Rohm and Haas Company  
100 Independence Mall West  
Philadelphia, PA 19106-2399

Dear Dr. Costlow:

Subject: Eagle WSP Turf and Ornamental Fungicide  
EPA Reg. No. 707-232  
Your Submission of January 28, 1998

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you make the following label revision:

For turf, add a general statement indicating when to use the high and low rates of the rate range.

Submit one (1) copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely yours,

*Mary L. Waller*

Mary L. Waller  
Acting Product Manager (21)  
Fungicide Branch  
Registration Division (7505C)

Enclosure

7505C:C.Grable:cg:4/7/98

# EAGLE® WSP

TURF AND ORNAMENTAL FUNGICIDE  
IN WATER-SOLUBLE POUCHES



**ACCEPTED**  
with **COMMENTS**  
In EPA Letter Dated  
MAY 4 1998

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

707-232

ACTIVE INGREDIENT	
MYCLOBUTANIL	
a-butyl-a-(chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile	40%
INERT INGREDIENTS	60%
<b>TOTAL</b>	<b>100%</b>

EPA REG. NO. 707-232

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 IN EYES: Flush eyes with a large amount of water for at least 15 minutes. Call a physician if irritation persists.
- IF INHALED: Move victim to fresh air.
- IF ON SKIN: Wash affected skin thoroughly with soap and water.
- IF SWALLOWED: Dilute by giving two glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Do not swallow, get in eyes, on skin or breathe spray mist.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

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 closed systems, enclosed cabs, or aircraft in a manner that meets 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**

Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift or runoff from areas treated.

**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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

**NON-AGRICULTURAL USE REQUIREMENTS**

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

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:** Store in a cool, dry area above freezing. The water-soluble pouch may become brittle at storage temperatures below 32°F. but the fungicide is not affected. Do not remove the water-soluble pouches from the container except for immediate use.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

**CONTAINER DISPOSAL:** Completely empty container into application equipment. 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:** Wear eye protection. Wear protective clothing. Spray water on powder and dust. Scoop or shovel solid material into a suitable container for recovery or disposal. Keep dust to a minimum. Flush contaminated area with a large amount of water to a chemical or sanitary sewer containing a settling pit. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Thoroughly launder clothing before reuse. 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, pests, 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.**

## GENERAL INFORMATION

EAGLE WSP turf and ornamental fungicide is a systemic, protectant and curative fungicide recommended for the control of specific diseases mentioned on this label. Optimum disease control is achieved when the fungicide is applied in a regularly scheduled preventative spray program.

### USE RATE DETERMINATION - Carefully read, understand and follow label use rates and restrictions.

For proper application, determine the size of the area to be treated, the recommended label use rate and the gallonage to be applied to the area. Prepare only the amount of spray solution required to treat the measured area. Careful calibration of spray equipment is recommended prior to use.

**HANDLING** - The enclosed pouches of EAGLE WSP turf and ornamental fungicide are water-soluble. Do not allow pouches to become wet prior to adding to the spray tank. Do not handle the pouches with wet hands or wet gloves. Always reseal overwrap bag to protect remaining unused pouches. Do not remove water-soluble pouches from overwrap except to add directly to the spray tank.

**MIXING PROCEDURES** - Be sure sprayer is clean and not contaminated with other materials prior to use. Fill tank 1/4 to 1/2 full with clean water and start agitation. Be certain that the agitation system is working properly and creates a rolling or rippling on the liquid surface. With the agitator running, drop the required number of unopened water-soluble pouches into the tank. Continue filling tank with the remainder of the water. Always add EAGLE WSP turf and ornamental fungicide into solution prior to adding any additional materials to the tank. Depending on the water temperature and degree of agitation, the pouches should dissolve completely within ten minutes after their addition to water.

**COMPATIBILITY** - EAGLE WSP turf and ornamental fungicide is compatible with most commonly used fungicides, insecticides, growth regulators, micronutrients and spray adjuvants. When preparing tank mixes, user should consult spray compatibility charts or State Cooperative Extension Service Specialists prior to actual use.

**NOTE:** EAGLE WSP turf and ornamental fungicide is compatible with boron and spray oils; however, the water soluble pouches must be completely dissolved before adding spray oils or products containing boron to spray mixtures.

## APPLICATION PROCEDURES

**Ground Equipment:** Application equipment should be properly calibrated and provide a uniform spray coverage.

**Hand or Pressurized Sprayers:** For best control of labeled diseases, achieve thorough coverage of all plant parts on a protectant application schedule.

**Sprinkler Irrigation:** EAGLE WSP turf and ornamental fungicide must be applied on a regular protectant fungicide schedule, *not an irrigation schedule*. Apply only through solid set or hand-move sprinkler irrigation systems. Do not apply product through any other type of irrigation system.

Lack of fungicidal effectiveness can result from nonuniform distribution of treated water. Greatest efficacy is achieved when the application of treated water does not exceed 1/4 inch per acre per application.

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

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

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Before applying EAGLE WSP turf and ornamental fungicide through sprinkler irrigation equipment, the chemigation system must meet the following specifications:

• Public water system means a system for the provision to the public of piped water for human consumption in such system that has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.



6/11

**USE DIRECTIONS FOR TURFGRASS**

- EAGLE WSP fungicide should be used in conjunction with turf management practices that promote good plant health and optimum disease control. The key to selecting a fungicide is the proper diagnosis of the organism causing the disease. Diagnostic kits, extension experts, or other identification methods should be used when developing disease control strategies.
- Optimum disease control is achieved when EAGLE WSP turf and ornamental fungicide is applied in a preventative disease control program at a rate of 0.5 to 1.2 ounce per 1000 square feet. See the following table for specific application rates for various diseases.
- EAGLE WSP turf and ornamental fungicide should be applied in sufficient water to ensure thorough coverage. For foliar diseases, use approximately one gallon of water per 1,000 square feet. Two to three gallons of spray solution per 1,000 square feet should be used to control diseases causing root and crown rots.
- Under conditions optimum for high disease development, the spray interval between EAGLE WSP turf and ornamental fungicide applications should be reduced.

APPLICATION RATE*					
Disease	Oz. EAGLE per 1000 sq. ft.	Area Covered per water-soluble pouch	Application Interval/Timing	Instructions	Restrictions
Anthracnose Red Thread Septoria Leaf Spot	0.6	5000	14-21 days	Apply when conditions are favorable for disease development.	Do not apply more than 36 ounces per 5,000 sq. ft. per year (twelve, 3 oz. packets per year).
Brown Patch	0.6	5000	14 days	Begin applications when conditions are favorable for disease development and before disease symptoms are apparent. If disease is present, mix EAGLE WSP with an EPA registered contact fungicide, such as FORE T/O fungicide. Under conditions of high temperature and humidity, use the shorter spray interval.	
Copper Spot Zonate Leaf Spot	0.6	5000	14 days	Apply when conditions are favorable for disease development.	For Nassau and Suffolk Counties in New York State, use is limited to 9 ounces per 5000 sq. ft. per year (1.95 lbs. active ingredient per acre).
Dollar Spot	0.5 - 1.2	2500 - 6000	14 - 28 days	Apply when conditions are favorable for disease development. Make no more than 3 consecutive applications for dollar spot control before rotating to a registered fungicide with a different mode of action.	
Leaf Spot Melting-Out Crown Rot	0.6	5000	14 days	Apply when conditions are favorable for disease development.	
Leaf Smuts	0.6	5000	14 days	Apply in the fall after grass enters dormancy and/or in the spring prior to the initiation of growth.	
Necrotic Ring Spot	0.6 - 1.2	2500 - 5000	Spring/ 28 days	Make applications on a preventative basis in early to mid-spring.	
Powdery Mildew Rusts	0.6	5000	14-28 days	Apply when conditions are favorable for disease development.	
Spring Dead Spot Necrotic Ring Spot	0.6 - 1.2	2500 - 5000	Fall/ 28 days	Make 2 applications beginning in August before the turf goes dormant. Apply 1.2 oz. /1000 sq. feet followed by a second application one month later.	
Summer Patch	0.6 - 1.2	2500 - 5000	14 - 28 days	Begin applications in the spring when conditions are favorable for disease development. Make 2 to 4 applications depending on recommendations from local turfgrass extension experts. Use at least two to three gallons of water per 1000 square feet to increase spray penetration to crown and root areas of plant.	
Zoysia Large Patch	1.2	2500	Fall/ 28 days	Make applications in fall before turf goes dormant.	

\*Each 3 ounce water-soluble pouch (WSP) is equivalent to 0.075 lbs. of active ingredient per 5000 square feet (0.65 lbs. active ingredient per acre).

**USE DIRECTIONS FOR LANDSCAPE ORNAMENTALS**

EAGLE WSP is a systemic fungicide having protectant and curative properties. For best control of labeled diseases, achieve thorough coverage of all plant parts on a protective application schedule. For dilute applications sprays ( $\geq 100$  gallons per acre) on commercial and residential landscapes, EAGLE WSP turf and ornamental fungicide should be applied at a rate of 3 ounces (one pouch) product per 50 gallons of water, unless otherwise directed, and applied on a 10 to 14 day application schedule. For concentrated sprays ( $< 100$  gallons per acre) apply 6 ounces (two pouches) per acre. The addition of a nonphytotoxic spreading agent will improve coverage and fungicidal performance. Treated plants should be maintained in a vigorous growing condition. Plants under nutritional or water stress will not respond as well as well-maintained plants. Overdosage of EAGLE WSP turf and ornamental fungicide can result in observable foliar greening, thickened leaves, and/or shortened internodes. If this condition is observed, reduce the fungicide use rate but do not extend the recommended application schedule.

Plant tolerances are acceptable in the specific plants listed on this label. It is not possible to evaluate all ornamental plant species or varieties for tolerance to EAGLE WSP fungicide. The user should test for possible phytotoxic responses by treating a limited number of plants, at recommended use rates, prior to initiating large scale use.

**Note: NOT FOR USE IN COMMERCIAL GREENHOUSES OR NURSERIES.  
NOT APPROVED FOR USE IN NASSAU AND SUFFOLK COUNTIES, NEW YORK**

**RESTRICTIONS**

- Do not apply more than 6 ounces (2.4 ounces active) per acre per application.
- Do not apply more than 5 pounds (2 pounds active) per acre per year.
- Do not use treated plant materials for food or feed.

CROP	DISEASES CONTROLLED	REMARKS	CROP SPECIFIC RESTRICTIONS
Abelia	Cercospora Leaf Spot Powdery Mildew		
Acalypha (Copper-Leaf)	Cercospora Leaf Spot Powdery Mildew		
Achillea (Yarrow)	Powdery Mildew Rust		
African Violet	Powdery Mildew		
Ageratum	Rust Powdery Mildew		
Alder	Powdery Mildew Rust		
Almond, Flowering	Blossom Blight (monilinia spp.)	Apply prebloom, 50% bloom and at petal fall	
Amelanchier (Juneberry, Shadbush)	Fabraea Leaf Spot Powdery Mildew Rust		
Amorpha (False Indigo)	Cercospora Leaf Spot Powdery Mildew Rust		
Anemone	Rust		
Angelica	Cercospora Leaf Spot Rust		
Ash	Rust		
Aster	Rust Powdery Mildew		
Azalea	Petal Blight (Ovulinia spp.) Powdery Mildew	Begin applications when flowers start to exhibit color.	
Barberry	Powdery Mildew Rust		
Begonia	Powdery Mildew		
Bellflower	Cercospora Leaf Spot Powdery Mildew Rust		
Birch	Rust		
Bittersweet	Powdery Mildew		
Buckeye	Powdery Mildew		

8/11

ORNAMENTALS -cont.-

CROP	DISEASES CONTROLLED	REMARKS	CROP SPECIFIC RESTRICTIONS
Buttonbush	Cercospora Leaf Blight Powdery Mildew Rust		
Calendula	Cercospora Leaf Spot		
California Poppy	Powdery Mildew		
Carnation	Powdery Mildew Rust		
Catalpa	Cercospora Leaf Spot Powdery Mildew		
Cherry, Flowering	Leaf Spot Powdery Mildew		
Chestnut, Horse	Powdery Mildew		
China Aster	Rust		
Chokeberry	Rust Twig and Fruit blight		Fruit may not be used for food or feed.
Chrysanthemum	Rust White Rust Ascochyta Blight		
Columbine	Rust		
Cornflower	Rust		
Cosmos	Powdery Mildew		
Cotton Wood	Powdery Mildew		
Crabapple, Flowering	Powdery Mildew Rust Scab		
Crepe-Myrtle	Powdery Mildew		
Dahlia	Powdery Mildew		
Delphinium	Powdery Mildew Rust		
Dogwood	Anthracnose Powdery Mildew Septoria Leafspot		
Douglas Fir	Needle Rust	Apply 6 to 9 ounces per acre starting early spring. Continue applications at 2 to 3 week intervals until the threat of infection has passed. Spray adjuvants must be added to spray solutions to obtain good spray coverage and disease control.	
Dianthus	Rust		
Elm	Powdery Mildew		
Euonymus	Powdery Mildew		
Fern	Rhizoctonia Aerial Blight		
Fleabane	Cercospora Leaf Spot Powdery Mildew Rust		
Four O'Clock	Rust		

ORNAMENTALS -cont-

CROP	DISEASES CONTROLLED	REMARKS	CROP SPECIFIC RESTRICTIONS
Fuchsia	Rust		
Gaillardia	Powdery Mildew Rust		
Gardenia	Powdery Mildew Rust		
Geranium	Powdery Mildew Rust		
Gerbera Daisy	Powdery Mildew		
Gourd, Ornamental	Powdery Mildew		
Grape Leaf Ivy	Powdery Mildew		
Hackberry	Cercospora Leaf Spot Powdery Mildew		
Hawthorn	Fabraea Leaf Spot Powdery Mildew Rust Scab		
Holly	Powder Mildew		
Hollyhock	Powdery Mildew Rust		
Honeysuckle	Cercospora Leaf Spot Powdery Mildew		
Hydrangea	Cercospora Leaf Spot		
Iris	Didymellina Leaf Spot Rust	Apply 3 oz. per 50 gallons spray solution.	
Juniper	Rust		
Leucothoe	Cercospora Leaf Spot		
Lilac	Powdery Mildew		
Loblolly Pine	Fusiform Rust	Refer to Douglas Fir	
Locust	Powdery Mildew		
Maple *	Powdery Mildew		Treated trees may not be used for syrup production.
Marigold	Cercospora Leaf Spot Rust		
Mock-Orange	Powdery Mildew Rust		
Moonflower	Rust		
Mountain Laurel	Cercospora Leaf Spot Ovulinia Petal Blight Powdery Mildew	Refer to Azalea	
Nephtytis	Cephalosporium Leaf Spot		
Ninebark	Rust		
Oak	Powdery Mildew		
Pansy	Powdery Mildew Rust		

10/11

ORNAMENTALS -cont.-

CROP	DISEASES CONTROLLED	REMARKS	CROP SPECIFIC RESTRICTIONS
Pear, Flowering	Powdery Mildew Rust Scab		
Petunia	Powdery Mildew Rust		
Phlox	Cercospora Leaf Spot Powdery Mildew Rust		
Photinia	Entomosporium Leaf Spot Powdery Mildew Rust		
Poinsetta	Powdery Mildew		
Poplar	Rust		
Potentilla	Rust		
Privet	Cercospora Leaf Spot Powdery Mildew		
Pyracantha (Firethorn)	Fusicladium Scab		
Quince, Flowering	Blossom and Twig Blight Cercospora Leaf Spot Fabrea Leaf Spot Rust		
Rhododendron	Cercospora Leaf Spot Ovulinia Petal Blight Powdery Mildew	Refer to Azalea	
Rose	Black Spot Powdery Mildew Rust	Apply on a 7 to 10 day schedule. In areas where black spot is not a problem, spray intervals may be increased to a maximum of 14 days.	
Russian Olive	Cercospora Leaf Spot Rust		
Salvia	Powdery Mildew Rust		
Sedum	Powdery Mildew		
Slash Pine	Fusiform Rust	Refer to Douglas Fir	
Smoke-Tree (Cotinus)	Cercospora Leaf Spot Rust		
Snapdragon	Powdery Mildew Rust		
Spirea	Powdery Mildew		
Sunflower	Cercospora Leaf Spot Powdery Mildew Rust		Seeds from treated plants may not be used for food or feed.
Sycamore	Powdery Mildew		

11/12

ORNAMENTALS -cont.-

CROP	DISEASES CONTROLLED	REMARKS	CROP SPECIFIC RESTRICTIONS
Trumpet-Creeper	Cercospora Leaf Blight Powdery Mildew		
Viburnum	Powdery Mildew Rust		
Walnut	Powdery Mildew		Nuts from treated trees may not be used for food purposes.
Willow	Powdery Mildew		
Zinnia	Cercospora Leaf Spot Powdery Mildew		

*\*Do not apply to Abutilon (Flowering Maple)*

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