



PM 22 3125-438  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

APR 13 1995

John S. Thornton  
Miles Inc.  
P.O. Box 4913  
8400 Hawthorn Rd  
Kansas City, MO 64120-0013

Dear Mr. Thornton:

Subject: Groundwater Advisory Label Amendment  
Baylton 0.5% Granular Turf Fungicide  
EPA Registration No. 3125-364  
Baylton 009 EC  
Turf and Ornamental Fungicide  
Systemic Fungicide  
EPA Registration No. 3125-370  
Baylton 25 Nursery and Greenhouse Systemic Fungicide  
Water Soluble Packets  
EPA Registration No. 3125-438 ✓  
Baylton 1% Granular Turf Fungicide  
EPA Registration No. 3125-363  
Baylton 25 Wettable Powder  
Nursery and Greenhouse Systemic Fungicide  
EPA Registration No. 3125-436

The labeling amendments referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable. However, Baylton 009 EC Turf and Ornamental Fungicide, EPA Registration No. 3125-370 is acceptable provided you do the following:

Delete the Spanish word "Aviso" from the label. This is not the Spanish word for "Caution". And the Spanish word for caution is not required for this product according to the Worker Protection Standard.

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

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

Sincerely Yours,

/s/  
Cynthia Giles-Parker  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

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146

**BAYLETON 25 WSP**

438-8465.YLD

U. S. LABEL

Base Pre-Reg (8465)

Reason to Issue: To add groundwater advisory.

Date of Draft: 03/06/95(Pre-Reg)(T)

# BAYLETON® 25

## Nursery and Greenhouse Systemic Fungicide in Water Soluble Packets

For control of certain diseases on flowers, foliage plants, shrubs, turf and shade trees in commercial nurseries, garden centers, greenhouses and sod farms.

**ACTIVE INGREDIENT:**

|   |      |
|---|------|
| 1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone ..... | 25%  |
| INERT INGREDIENTS .....   | 75%  |
|   | 100% |

Keep water soluble packets in this container and store in a cool place but not below freezing (32°F).

U. S. Patent No. 3,912,752

EPA Reg. No. 3125-438

EPA Est. 3125-MO-1

Sell in Original Packages Only

Contains Four 11 Ounce Water Soluble Packets

Total Net Contents: 2.75 Pounds

**STOP - Read the Label Before Use  
KEEP OUT OF REACH OF CHILDREN**

### CAUTION

See Rear Panel for Statements of Practical Treatment and Other Precautionary Statements

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

**ACCEPTED  
with COMMENTS  
in EPA Letter Dated:**

APR 13 1995

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

3125-438

**MILES** 

Unregistered label text is highlighted in red.

## 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 12 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

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using BAYLETON 25 Nursery and Greenhouse Fungicide systemic fungicide.

**CONDITIONS OF SALE:** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE APPROPRIATE FOR THE CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED UNDER DIFFERENT ENVIRONMENTAL CONDITIONS BOTH INDOORS AND OUTDOORS UNDER CONDITIONS SIMILAR TO THOSE THAT ARE ORDINARY AND CUSTOMARY WHERE THE PRODUCT IS TO BE USED. INSUFFICIENT CONTROL OF PESTS OR PLANT INJURY MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL CONDITIONS, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO ANIMALS, MAN, AND DAMAGE TO THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL ENVIRONMENTAL CONDITIONS, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

**APPLICATION:** BAYLETON fungicide is absorbed rapidly and works systemically from within the plant. Good coverage and wetting of the foliage are necessary. Rainfall or sprinkler irrigation, within 30 minutes after application does not decrease effectiveness. Control may be less effective on plants suffering from drought stress. Therefore, in order to achieve maximum control, plants should be maintained in a vigorously growing state through good cultural practices.

In all cases apply when plants are fully established and actively growing. Applications should be made at recommended intervals to maintain disease control.

Do not use on crops grown for food or forage.

**MIXING:** The enclosed packets containing BAYLETON 25 Nursery and Greenhouse Fungicide are water soluble. Do not allow packets to become wet prior to adding to the spray tank. Do not handle with wet hands. Reseal outer carton to protect remaining packets.

To prepare the spray mixture, drop the required number of unopened packets, as determined under "Recommended Applications", into the spray tank while filling the water to the desired level. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within a few minutes from the time they were added to the water.

**USE IN CHEMIGATION SYSTEMS ON TURF ONLY:** Apply BAYLETON 25 Nursery and Greenhouse Fungicide only through solid set irrigation systems. Do not apply this product through any other type of irrigation system.

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 towards 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 the pesticide distribution is adversely affected.

**RECOMMENDED APPLICATIONS - TURF GRASS DISEASE CONTROL (Continued)**

| DISEASE  | OZ OF BAYLETON 25<br>NURSERY AND GREENHOUSE<br>PER 1,000 SQUARE FEET* | REMARKS  |
|--|---|--|
| Stripe Smut<br>( <i>Ustilago striiformis</i> )   | Preventive Rates Only<br><br>2  | Make the first application in the spring just before the turf breaks dormancy, followed by a second application just prior to the summer heat stress period and a third application when the cool nighttime temperatures of the late summer or early fall return.  |
| Fusarium Blight<br>( <i>Fusarium culmorum</i> )<br>( <i>Fusarium poae</i> )<br>Summer Patch<br>( <i>Magnaporthe poae</i> )   | 2 to 4  | Apply first application in the Spring, 30 to 60 days before initial symptoms normally appear. Repeat applications at 30-day intervals as needed.   |
| Zoysia patch,<br>Large patch of zoysia<br>( <i>Rhizoctonia solani</i> )  | 2 to 4  | Make first application in early fall (mid-September to mid-October) prior to development of disease symptoms. A second application in early spring may be necessary in areas where disease pressure is known to be heavy.  |
| <i>Gaeumannomyces graminis</i><br>var. <i>graminis</i><br><br>(Such as Bermudagrass decline,<br>take all patch on centipede<br>grass)<br><br>(Except California)   | Preventive Curative<br><br>2 4  | Immediately after the fungicide is applied, the area should be thoroughly irrigated to move the active ingredient down into the crown and root zone of the turf. The amount of water is dependent on the depth of the root zone. The objective is to water the fungicide into the crown and root zone.<br><br><b>PREVENTIVE RATE:</b> Begin applications 2 to 4 weeks prior to the appearance of disease symptoms. Initiate cultural control practices at the same time the fungicide is applied. Refer to your local County Extension Service for this information. Apply subsequent applications at 21 to 28-day intervals.<br><br><b>CURATIVE RATE:</b> To control existing infections, apply 4 oz at 14- to 21-day intervals for the initial 1 or 2 treatments followed by 2 oz at 21- to 28-day intervals. Cultural control practices such as aeration, topdressing, reseeding, and fertilization must be implemented prior to or at the same time the fungicide is applied. Refer to your local County Extension Service for this information. |
| Gray Snow Mold/Typhula Blight<br>( <i>Typhula incarnata</i> )<br><br>(Except California)   | Preventive Rates Only<br><br>4  | Apply in the fall, 30 days prior to turf dormancy. If turf breaks dormancy during winter months, a second application should be made. Do not apply over snow cover, or when turf is dormant.   |
| Pink Snow Mold/Fusarium Patch<br>( <i>Microdochium nivale</i> )<br><br>(Except California)   | 2 to 4  | Apply before conditions favorable for infection occur. Re-application should be made as needed at a 60- to 90-day interval. Do not apply over snowcover, or when turf is dormant. Use higher rate in areas with a history of severe disease damage.  |
| Gray Snow Mold/Typhula Blight<br>( <i>Typhula incarnata</i> )<br>Pink Snow Mold/Fusarium Patch<br>( <i>Microdochium nivale</i> )<br><br>(California only)  | Single Application<br><br>5 to 8                                      | Apply in late fall before first snow cover. Do not apply over snow cover. Use the high rate in areas with a history of severe snow/mold damage.  |
| Note: * Apply the specified amount of BAYLETON 25 Nursery and Greenhouse Fungicide using 2 to 4 gallons of spray per 1,000 square feet. For equivalent rates per acre, see Conversion Table below. Make all applications after mowing and allow foliage to dry thoroughly before irrigation. Do not use clippings for animal feed. |   |  |

## DIRECTIONS FOR USE (Continued)

**APPLICATION RATES:** Except as noted for specific diseases, mix 11 ounces of BAYLETON 25 Nursery and Greenhouse Fungicide in 275 to 550 gallons of water and apply as a full coverage foliage spray to the point of drip as needed.

[A] Mix 11 oz of BAYLETON 25 Nursery and Greenhouse Fungicide in 68.75 to 137.5 gallons of water and apply as a full-coverage foliar spray to the point of drip. Use multiple applications at 7- to 14-day intervals as needed dependent upon bloom periods. Applications should begin at the expanded bud stage (color showing or at bud break on Hemlock). Use 4 applications at 14-day intervals for Hemlock rust.

[B] Mix 11 oz of BAYLETON 25 Nursery and Greenhouse Fungicide plus sufficient spreader sticker for good coverage in 68.75 gallons of water. Apply in a spray application to the point of run-off on an as needed basis during the early part of the season. Excessive rates or excessive applications may result in a shortening of the flower stalk on iris.

[C] Mix 11 oz of BAYLETON 25 Nursery and Greenhouse Fungicide in 68.75 to 137.5 gallons of water and apply as a full coverage foliar spray to point of run-off. Apply in early spring as growth starts and re-apply on a 14- to 21-day interval until new growth is fully expanded. Protect new growth that develops in late summer or fall as temperatures begin to drop.

[D] Greenhouse Applications of BAYLETON 25 Nursery and Greenhouse Fungicide

Winter Use – 1 oz in 50 gallons of water or 11 oz in 550 gallons of water.

Summer Use – 2 oz in 50 gallons of water or 11 oz in 275 gallons of water.

Mix specified amount of BAYLETON 25 Nursery and Greenhouse Fungicide in water and apply in a spray application to the point of drip. Intervals between applications should be no shorter than 30 days to avoid flower stalk length reduction. Excessive rates or applications may result in a shortening of the flower stalk.

[E] For control of *Exobasidium* flower and leaf gall, apply 11 ounces of BAYLETON 25 Nursery and Greenhouse Fungicide in 275 gallons of water. Begin application at bud break and apply at 10-day intervals through infestation period.

[F] For control of *Metamspora pinitorque* (Pine Twisting Rust), apply a single application in spring during periods favorable for infection. Mix 11 ounces in 34.3 gallons of water and apply to shoots in the upper whorl of susceptible pine species. Make a single application per year as a full coverage application sprayed to runoff.

[G] For control of *Didymascella thujina*, Cedar Leaf Blight, apply 11 ounces per 0.69 acres in sufficient water to provide full coverage in nurseries, or 11 ounces per 68.75 gallons applied as a full coverage spray to ornamentals. Begin applications before disease appears in spring, and repeat at 60-day intervals through early fall.

**COMPATIBILITY:** BAYLETON is compatible with many registered insecticides and fungicides. To determine the compatibility of BAYLETON with specific products, the following procedure should be conducted. Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least 5 minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

**SPRAY ADDITIVES:** Use of various spray additives such as spreaders, extenders, trace elements or fertilizers should be evaluated prior to use. The label directions given here are based on data obtained with no additives; use of any product with BAYLETON may affect the result. Contact local university extension personnel prior to use of spray mix additives.

**RESTRICTIONS:** Edible portions of treated trees, such as nuts and syrup, should not be used for feed or food.

LABELING FOR 11 OUNCE PVA PACKET

**BAYLETON**

**25 Nursery and Greenhouse Fungicide**

**SYSTEMIC FUNGICIDE**

**ACTIVE INGREDIENT:**

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone ..... 25%

EPA Reg. No. 3125-438

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

(See Outer Package for Directions and Precautions)

Net Contents 11 Ounces

