

11/1/94

3125-320

10/8

1994

John S. Thornton
Miles Inc.
P.O. Box 4913
Kansas City, MO 64120

Dear Mr. Thornton:

Subject: Add Use on Turf
Bayleton 50% Wettable Powder
EPA Registration No. 3125-320
Your Submission Dated May 31, 1994

The amendment referred to above, 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/-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. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- Add the following Ground Water Advisory:

Triadimefon has properties that may result in groundwater contamination. Users are advised not to apply in areas where soils are permeable, particularly where ground water is used for drinking water. Consult with the pesticide state lead agency for information regarding soil permeability and aquifer vulnerability in your area.

3. 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 section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,



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

Enclosure

BAYLETON 50% Wettable Powder

320-8193.YLD

U.S. LABEL

Base Pre-Reg. (8193)

Reason to Issue: To add use on turf.

Date of Draft: 05/10/94(Pre-Reg)(T)

Jacket

**BAYLETON
50% Wettable Powder
Fungicide**

**FOR CONTROL OF SPECIFIED DISEASES ON CERTAIN FIELD,
FRUIT AND VEGETABLE CROPS AND TURF**

ACTIVE INGREDIENT:		
1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone		50%
INERT INGREDIENTS		50%
		100%

U.S. Patent No. 3,912,752
EPA Reg. No. 3125-320
EPA Est. 3125-MO-1

Net Weight: ___ Pounds

**AMENDMENT
TO PREVIOUSLY REGISTERED LABELING:**

ACCEPTED
BY COMMENTS
BY EPA Letter Dated:

JUN 10 1994

Greenhouse Statement

Under the Federal Insecticide
Fungicide and Rodenticide Act
(FIFRA), the pesticide
labeling for EPA Reg. No.

3125-320



Miles Inc.
Specialty Products
Box 4913, Kansas City, MO 64120

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
- Chemical-resistant headgear for overhead exposure

IMPORTANT: Read these entire Directions and Conditions of Sale before using BAYLETON 50% Wettable Powder fungicide.

CONDITIONS OF SALE: THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MILES OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MILES AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

MIXING: Add the recommended amount of BAYLETON 50% Wettable Powder into the spray tank while filling with water to the desired level. Operate the agitator while mixing. If other materials are added to the spray tank, the BAYLETON 50% Wettable Powder should be thoroughly dispersed prior to the addition of other materials.

COMPATIBILITY: BAYLETON fungicide is physically compatible with many registered insecticides, miticides, and fungicides. To determine the compatibility of BAYLETON fungicide with other products, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least five (5) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible. For further information contact your local Miles representative.

RECOMMENDED APPLICATIONS

BAYLETON 50% Wettable Powder may be applied in a minimum of 20 gallons of spray solution per acre by ground or in a minimum of 5 gallons of spray solution per acre by aircraft spray equipment except as noted under "Remarks" for each crop. Check equipment calibration frequently. Complete coverage and uniform application are essential for the most effective results, especially when lower spray volumes are applied. If necessary, increase the spray volume per acre for complete crop coverage.

Do not apply this product through any type of irrigation system.*

Consult your State Agricultural Experiment Station or Extension Service Specialist or Miles representative for guidance on the selection of specific dosage rates and timing of applications appropriate for your specific crop and disease. State regulations may contain additional restrictions or requirements. Check the Remarks and restrictions sections of this label for additional directions.

* Restriction not printed on label containing turf use.

APPLICATION TO TURF

6. Fungicide is absorbed rapidly and works systemically from within the plant. Good coverage and wetting of the foliage is necessary. Rainfall or sprinkler irrigation, within 1/2 hour after application does not decrease effectiveness. Control may be less effective on turf suffering from drought stress. Therefore, in order to achieve maximum control, turf should be maintained in a vigorously growing state through good cultural practices.

Apply in all cases when turf is fully established and actively growing. Applications should be applied at recommended intervals to maintain disease control.

Do not use on crops grown for food or forage.*

USE IN CHEMIGATION SYSTEMS ON TURF ONLY:

Apply BAYLETON 50% Wettable Powder 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.

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 areas intended for treatment.

Crop injury or lack of effectiveness can result from non-uniform distribution of treated water.

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

Do not connect an irrigation system (including greenhouse systems) 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.

Pre-mix the required amount of BAYLETON 50%, as determined under "Recommended Applications", in sufficient water to uniformly inject the entire mixture during the last 5 minutes of the irrigation cycle using a positive pressure pumping system. Continuous agitation of the mixture in the holding tank is required to maintain suspension of the product. The injection must occur during the last 5 minutes of the irrigation cycle.

* Restriction only printed on labels where field, fruit and vegetable crops are not included.

RECOMMENDED APPLICATIONS - TURF GRASS DISEASE CONTROL

DISEASE	OZ OF BAYLETON 60% WP PER 1,000 SQUARE FEET*		REMARKS
Dollar Spot <i>(Sclerotinia homoeocarpa)</i>	Preventive 0.5	Curative -	PREVENTIVE RATE: Apply recommended rate on 30-day intervals. Protective activity of BAYLETON may extend for as long as 60 days dependent upon environmental conditions.
	0.25	-	PREVENTIVE RATE: (Except California): Apply recommended rate on 14-day intervals. Protective activity of BAYLETON may extend for as long as 30 days dependent upon environmental conditions.
	-	1	CURATIVE RATE: To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.
Copper Spot <i>(Gloeocercospora sorghi)</i> Powdery Mildew <i>(Erysiphe graminis)</i> Corticium Red Thread <i>(Laetisaria fuciformis)</i> Rusts <i>(Puccinia spp.)</i> Brown Patch/ Rhizoctonia Blight <i>(Rhizoctonia solani)</i> (Suppression)	0.5	1	PREVENTIVE RATE: Apply at 15- to 30-day intervals. When environmental conditions favor light to moderate disease development, use a longer interval. Protective activity of BAYLETON can be greater than 30 days depending on environmental conditions. CURATIVE RATE: To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.

RECOMMENDED APPLICATIONS - TURF GRASS DISEASE CONTROL (Continued)

DISEASE	OZ OF BAYLETON 50% WP PER 1,000 SQUARE FEET*		REMARKS
Anthracnose <i>(Colletotrichum graminicola)</i>	Preventive 1	Curative -	PREVENTIVE RATE: Apply at 30-day intervals and repeat as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 45 days.
	0.5	-	PREVENTIVE RATE: (Except California) Apply at 21-day intervals and repeat as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 30 days.
	-	1	CURATIVE RATE: To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.
Southern Blight <i>(Sclerotium rolfsii)</i>	Preventive 0.5 to 2	Curative 2	PREVENTIVE: Begin applications prior to the appearance of disease symptoms. Depending on anticipated disease severity, apply 2 to 4 oz rates at 14-day intervals for the initial 2 to 3 treatments. Apply subsequent treatments of 1 to 2 oz at 14- to 28-day intervals. CURATIVE: To control existing infections, apply 4 oz at 14-day intervals for the initial 2 to 3 treatments followed by 1 to 2 oz at 14- to 28-day intervals.
Stripe Smut <i>(Ustilago striiformis)</i>	Preventive Rates Only 1		Make a single application in spring as grass growth begins.
Fusarium Blight <i>(Fusarium culmorum)</i> <i>(Fusarium poae)</i> Summer Patch <i>(Magnaporthe poae)</i>	1 to 2		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, Large patch of zoysia <i>(Rhizoctonia solani)</i>	1 to 2		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.

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RECOMMENDED APPLICATIONS - TURF GRASS DISEASE CONTROL (Continued)			
DISEASE	OZ OF BAYLETON 50% WP PER 1,000 SQUARE FEET*		REMARKS
Bermudagrass decline <i>(Gaeumannomyces graminis var. graminis)</i> Take all patch <i>(Gaeumannomyces graminis var. avenae)</i> (Except California)	Preventive 1	Curative 2	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. PREVENTIVE RATE: 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. CURATIVE RATE: 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 aerification, 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 <i>(Typhula incarnata)</i> (Except California)	Preventive Rates Only 2		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 <i>(Microdochium nivale)</i> (Except California)	1 to 2		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 <i>(Typhula incarnata)</i> Pink Snow Mold/ Fusarium Patch <i>(Microdochium nivale)</i> (California only)	Single Application 2.5 to 4		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 snowmold damage.
Note: *Apply the specified amount of BAYLETON 50% Wettable Powder in 2 to 4 gallons of spray per 1,000 sq ft. 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.			

Conversion Table for BAYLETON 50% Wettable Powder

Oz per 1000 sq ft	=	Lb per Acre
0.25	=	2/3
0.5	=	1 1/3
1.0	=	2 3/4
2.0	=	5 1/2
2.5	=	5 7/8