

U.S. LABEL

Reason to Issue: To propose modification of certain turf rates and remarks; modify claim for disease control on camellia; to revise in accordance with Label Improvement Program.

Date of Draft: 6/15/84 (Pre-Reg) (S)

EPA Reg. No. 3125-318

®
BAYLETON

25% Wettable Powder

SYSTEMIC FUNGICIDE

FOR CONTROL OF CERTAIN DISEASES ON FLOWERS, FOLIAGE PLANTS, SHRUBS,
TURF AND SHADE TREES

ACTIVE INGREDIENT:

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

INERT INGREDIENTS $\frac{75\%}{100\%}$

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

EPA Reg. No. 3125-318
EPA Est. 3125-MO-1

STOP - READ THE LABEL BEFORE USE

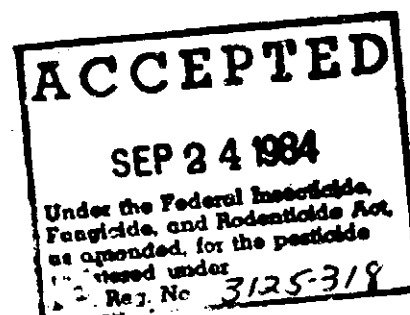
KEEP OUT OF THE REACH OF CHILDREN

WARNING

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

NET WEIGHT _____ POUNDS

MOBAY CHEMICAL CORPORATION
AGRICULTURAL CHEMICALS DIVISION
Box 4913, Kansas City, Mo. 64120



Note: Underlined letters in chemical nomenclature should be italicized when printed, not underlined.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye irritation. Do not breathe dust or allow to get in eyes, on skin, or on clothing.

Wash hands, arms and face thoroughly with soap and warm water after use and before eating or smoking. Wash all contaminated clothing with soap and hot water before re-use. Do not contaminate feed or food items. Keep out of reach of children.

STATEMENTS OF PRACTICAL TREATMENT

If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately.

If on skin, wash skin immediately with soap and water.

If eyes are contaminated, wash with plenty of water for at least 15 minutes. Get medical attention.

If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

SYMPTOMS OF POISONING: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.

ENVIRONMENTAL HAZARDS

Do not use on crops grown for food or forage. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not make applications when weather conditions favor drift from target area.

BAYLETON 25% Wettable Powder

AVISO:

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.)

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

IMPORTANT: Read these entire Directions and Conditions of Sale before using BAYLETON 25% Wettable Powder systemic 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 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 THE CROP TO WHICH THE PRODUCT IS APPLIED, OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MOBAY AND THE SELLER OFFER, 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 MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

APPLICATION:

BAYLETON 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 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.

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

RECOMMENDED APPLICATIONS
TURF GRASS DISEASE CONTROL

DISEASE	Ozs. of BAYLETON 25% WP Per 1,000 Sq. Ft.*		REMARKS
	Preventative	Curative	
Dollar Spot	1	-	<u>PREVENTIVE RATE:</u> Apply recommended rate on 30 day intervals. Protective activity of BAYLETON may extend for as long as 60 days dependent upon environmental conditions.
	0.5	-	<u>PREVENTIVE RATE:</u> Apply recommended rate on 14 day intervals. Protective activity of BAYLETON may extend for as long as 30 days dependent upon environmental conditions.
	-	2	<u>CURATIVE RATE:</u> To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.
Copper Spot Powdery Mildew Red Thread (<u>Laetisaria</u> <u>fuciformis</u>) Rusts Brown Patch (<u>Rhizoctonia</u> <u>solani</u>) (Suppression)	1	2	<u>PREVENTIVE RATE:</u> 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. <u>CURATIVE RATE:</u> To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.
Anthracnose Poa Annua Decline	2	-	<u>PREVENTIVE RATE:</u> Apply at 30 day intervals and repeat as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 45 days.
	1	-	<u>PREVENTIVE RATE:</u> Apply at 21 day intervals and repeat as necessary for seasonal control. Dependent upon environmental conditions, residual control may be extended to 30 days.
	-	2	<u>CURATIVE RATE:</u> To control existing infections, apply the curative rate. Subsequent applications should be applied on a preventive schedule and rate.

BAYLETON 25% Wettable Powder

RECOMMENDED APPLICATIONS (Cont'd)

TURF GRASS DISEASE CONTROL

DISEASE	Ozs. of BAYLETON 25% WP Per 1,000 Sq. Ft.*	REMARKS
	Preventive Rates Only	
Stripe Smut	2	Make a single application in spring as grass growth begins.
Fusarium Blight (<i>Fusarium spp.</i>) (Except California)	2	Apply first application in mid-June or 30 days prior to time this blight normally becomes evident. Applications should be made on 30 day intervals.
Gray Snow Mold (<i>Typhula incarnata</i>) (Except California)	4	Apply in 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>Fusarium nivale</i>) Southern Blight (<i>Sclerotium rolfsii</i>) (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 snow cover, or when turf is dormant. Use higher rate in areas with a history of severe disease damage.
Gray snow Mold (<i>Typhula incarnata</i>) Pink snow Mold (<i>Fusarium nivale</i>) (California only)	Single Application 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 snowmold damage.

Note: *Apply the specified amount of BAYLETON 25% WP 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 25% Wettable Powder

Ounces per 1000 sq. ft.	=	pounds per acre
1	=	2 3/4
2	=	5 1/2
4	=	11
5	=	13 3/4

ORNAMENTAL PLANT DISEASE CONTROL

PLANTS (Disease controlled reference)		DISEASES
<u>Flowering and Foliage Plants (Outdoor)</u> (Except California) Ageratum (2b,3,4) Aster (4) Begonia (3) Carnation (3,4) Chrysanthemum (3,4) Dahlia (3) Delphinium (3) Dianthus (4) Four O'Clock (4) Geranium (3,4) Iris (2c) Marigold (2b,4) Nephthytis (2a) Pansy (3,4) Petunia (3,4) Phlox (2b,3,4) Rose (3) Salvia (3,4) Snapdragon (3,4) Zinnia (2b,3)	<u>Flowering Foliage and Woody Shrubs (Except California)</u> Amelanchier (3) Azalea (1a,3) Barberry (3,4) Buckthorn (4) Camellia (suppressa. of 1b) Crabapple (flowering) (3,4) Crape-Myrtle (3) Dogwood (3) Euonymus (3) Gardenia (3) Hawthorn (3,4) Holly (3) Hollyhock (3,4) Juniper (4) Leucothoe (2b) Lilac (3) Mock-Orange (3,4) Mountain Laurel (1a,2b,3) Ninebark (3) Pear (Flowering) (3) Photinia (2d,3,4) Privet (2b,3) Rhododendron (1a,2b,3) Rose (3) Spirea (3) Viburnum (3,4)	(1) Flower Blight a. <u>Ovulinia spp.*</u> b. <u>Sclerotinia spp.*</u> (2) Leaf Blight/Spots a. <u>Cephalosporium spp.***</u> b. <u>Cercospora spp.</u> c. <u>Didymellina spp.**</u> d. <u>Entomosporium spp.***</u> (3) Powdery Mildew <u>Erysiphe spp.</u> <u>Microsphaera spp.</u> <u>Oidium spp.</u> <u>Podosphaera spp.</u> <u>Phyllactinia spp.</u> <u>Sphaerotheca spp.</u> <u>Uncinula spp.</u> (4) Rusts <u>Coleosporium spp.</u> <u>Cronartium spp.**</u> (Fusiform) <u>Gymnosporangium spp.</u> <u>Melampsora spp.</u> <u>Melampsoridium spp.</u> <u>Peridermium spp.**</u> (Gall) <u>Puccinia spp.</u> <u>Uromyces spp.</u>
<u>Shade Trees (Except California)</u> Ash (3) Balsam (4) Birch (3,4) Buckeye (3) Chestnut (3) Elm (3) Fir (4) Locust (3) Maple (3) Paulownia (3) Oak (3) Russian Olive (2b,4) Pine (4) Sycamore (3) Vitex (2b) Walnut (3) Willow (3,4)	<u>Flowering and Foliage Plants (Greenhouse****)</u> African Violet (3) Carnation (3,4) Chrysanthemum (3,4) Geranium (3,4) Grape Leaf Ivy (3) Rose (3) <u>California Only Recommendations</u> Azalea (1a) Rose (3) Pine trees (4) Nephthytis (2a) Also, use in greenhouses as noted above.	

BAYLETON 25% Wettable Powder

ORNAMENTAL PLANT DISEASE CONTROL (Cont'd)

APPLICATION RATES: Except as noted for specific diseases, mix 1 to 2 ounces of BAYLETON 25% Wettable Powder in 50 gallons of water and apply as a full coverage foliage spray to the point of drip as needed.

*Mix 4 to 8 ozs. of BAYLETON 25% Wettable Powder in 50 gallons of water and apply as a full-coverage foliar spray to the point of drip. Applications should begin at the expanded bud stage (color showing). Use multiple applications at 7 to 14 day intervals as needed dependent upon bloom periods.

**Mix 8 oz. of BAYLETON 25% Wettable Powder plus sufficient spreader sticker for good coverage in 50 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.

***Mix 4 to 8 oz. of BAYLETON 25% Wettable Powder in 50 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.

****Greenhouse Applications

Winter Use -- 1 oz. of BAYLETON 25% Wettable Powder

Summer Use -- 2 oz. of BAYLETON 25% Wettable Powder

Mix specified amount of BAYLETON 25% Wettable Powder in 50 gallons of 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.

COMPATIBILITY: BAYLETON is compatible with any 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 spreader, 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.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Household: Do not reuse empty container. Securely wrap original container in several layers of newspaper and put in trash collection.

Pesticide Disposal (Except Household): Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

STORAGE AND DISPOSAL (Cont'd)

Container Disposal (Except Household): Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Material that cannot be used as directed should be disposed of as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300. (

BAYLETON is a Reg. TM of the Parent Company of Farbenfabriken Bayer GmbH, Leverkusen.