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

Dear Mr. Thornton:

Subject: Reinstate Grasses Grown for Seed

Bayleton 50% Wettable Powder EPA Registration No. 3125-320

Bayleton 50% Wettable Powder in Water

Soluble Bags

EPA Registration No. 3125-340

Your Submissions Dated March 14, 1993

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. 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.

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

Sincerely yours,

Cynthia Giles-Parker

Product Manger (22)
Fungicide Herbicide Branch
Registration Division (7505C)

Enclosure

cc: Mark Wilhite

Accelerated Reregistration Branch Special Review and Reregistration Division (7508W)

- Jacket 24/2

# WP Fungicide **BAYLETON**

SPECIAL LABELING REQUIRED FOR BAGS CONTAINING PVA WATER SOLUBLE PACKETS

340-8141.YLD

Base Pre-Reg (8141)

U. S. LABEL

Reason to Issue: To reinstate use on grasses grown for seed. <u>03/14/94 Draft:</u> Modify mancozeb tank mix directions and move "Do not use on other crops grown for food or forage" to Directions for Use.

Date of Draft: 03/14/94(Pre-Reg)(T)
Supersedes Draft Dated: 12/08/93

# BAYLETON® 50% Wettable Powder FUNGICIDE IN WATER SOLUBLE PACKETS

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

U.S. Patent No. 3,912,752 EPA Reg. No. 3125-340 EPA Est. 3125-MO 1

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY CONTAINS FOUR 8-OUNCE WATER SOLUBLE PACKETS

Total Net Weight: 2 Pounds

KEEP WATER SOLUBLE PACKETS IN THIS CONTAINER AND STORE IN A COOL DRY PLACE BUT NOT BELOW FREEZING (32°F)

STOP - READ THE LABEL BEFORE USE

**KEEP OUT OF THE REACH OF CHILDREN** 

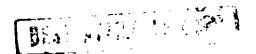
**CAUTION** 

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

with COMMITTERS
In FRA Letter Dated:
APR 5 1994



3125-34



# 3412

### PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist.

Personal Protective Equipment
Applicators and other handlers must weer:

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

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.

Engineering controls statements: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worke: Protection Standard (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:

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### STATEMENTS OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoon (15 mL) of syrup of ipecac followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash with plenty of soap and water. Get medical attention.

If inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, mouth to mouth. Get medical attention.

If in eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

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 apply directly to water, or to areas where surface water is present or to intuitibal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Apply this product only as

specified on this label.

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



### **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
- Protective eyewear
- 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, TIS 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: The enclosed packets are water soluble. Do not allow packets to become wet prior to mixing spray solution. Do not handle with wet hands. Reseal outer bag to protect remaining packets.

**Ground Application Equipment:** The order of mixing is important and should be followed.

- 1. The spray tank should be filled 1/4 to 1/3 full of water.
- 2. While recirculating and with the agitator running, add the required number of PVA packets, as determined under "Recommended Applications," into the spray tank as you continue filling the tank to the desired level of water. One packet contains 8 ounces of wettable powder. If it is determined, under "Recommended Applications," that 2 pounds of BAYLETON 50% Wettable Powder should be added to the spray tank, add four 8-ounce packets. The PVA packets should be completely dissolved in 5 to 10 minutes. If an adjuvant is needed, add prior to addition of PVA packets to the spray tank.
- The addition of other pesticides should be after the PVA packets are completely dissolved, but prior to completion of filling the tank.
- 4. As with any pesticide, maintain adequate agitation prior to and during spraying.

Aerial Application Equipment: It is important to pre-mix the PVA packets and water before loading into the aerial spray tank. The mixing process should be made according to the same directions for ground application equipment.

CAUTION: Do not use PVA packets in a tank-mix with products that contain Boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic which is not soluble. In water or solvents such as diesel oils, kerosene, gasoline or alcohol.

Do not attempt to use the PVA packets directly in diesel oils or summer spray type c.ls as in ULV or LV uses. PVA packets are water soluble not oil soluble.

### 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.

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.

### Do not use on other crops grown for food or forage.

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

RECOMMENDED APPLICATIONS (Continued)				
CROP	DISEASE	Rate of BAYLETON 50% Wettable Powder		REMARKS (Also refer to Directions for Use)
FRUITS Apples	Cedar-apple rust Powdery mildew	<u>oz/A</u> 2 to 8	oz/100 gal <sup>1</sup> 1/2 to 2	Make the first application at the green-tip stage and continue applications at 7- to 14-day intervals, or as needed until terminal growth ceases. Use the higher label rate under heavy disease pressure, with extended spray intervals, and/or on highly disease susceptible varieties.  A maximum of 24 ounces of BAYLETON mildew 50%
				W.P. may be applied per acre per season. BAYLETON 50% W.P. may be applied up to 45 days prior to crop harvest. Do not graze livestock in treated orchards.
Pears	Powdery mildew	2 to 8	1/2 to 2	Make the first application at the budburst stage and continue applications at 7- to 14 day intervals, or as needed. Use the higher label rates under heavy disease pressure, with extended spray intervals, and/or on highly disease susceptible varieties.
				A maximum of 24 oz of BAYLETON 50% W.P. may be applied per acre per season. BAYLETON 50% W.P. may be applied up to 45 days prior to crop harvest. Do not graze livestock in treated orchards.

<sup>&</sup>lt;sup>1</sup> Rates of BAYLETON 50% Wettable Powder are based on a standard of 400 gallc. ; of dilute spray per acre, or the equivalent amount of product per acre in a concentrate spray.

RECOMMENDED APPLICATIONS					
CROP	DISEASE	Rate of BAYLETON 50% Wettable Powder	REMARKS		
Grapes	Powdery Mildew	2 to 6 oz/A	GENERAL COMMENTS: Use the higher label rates under heavy disease pressure, with extended spray intervals, and/or on highly disease susceptible varieties.  Fields should be observed closely for early disease symptoms when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.  A maximum of 18 ounces of BAYLETON 50% W.P. may be applied per acre per crop season. BAYLETON 50% W.P. may be applied up to 1 days before harvest.  POWDERY MILDEW: Make the first application pre-bloom and continue applications at 14- to		
	Schedule 2 to 3 oz// Post-infection	Protective Schedule 2 to 3 oz/A  Post-infection 3 to 4 oz/A	21-day intervals, or as needed.  BLACK ROT Protective Schedule: Make the first application at 10-inch green shoot and continue application at 7- to 14- day intervals through 5° Brix stage or until veraison (berry coloring) is complete. Under severe disease conditions and/or on high susceptible varieties, make applications at 7-da intervals.  Post-infection Schedule: During bloom apply		
			within 72 hours after the beginning of an infection period. Do not make spray applications any closer than 7-day intervals. After bloom, continue applications at rates of 2 to 3 ounces of BAYLETON 50% W.P. at 7- to 14-day intervals, or as needed to maintain control.		
Raspberries (California Only)	Powdery mildew	4 oz	Apply specified dosage per acre in not less than 20 gallons of water using ground equipment. Make first application when disease symptoms first appear and additional applications at 4- to 6- week intervals thereafter as needed. A maximum of 7 total applications may be made in one year with no more than 2 applications within the same 30-day period. Do not harvest within 1 day of application.		

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RECOMMENDED APPLICATIONS (Continued)				
CROP	DISEASE	Rate of BAYLETON 50% Wettable Powder	REMARKS (Also refer to Directions for Use)	
SMALL GRAINS Wheat	Powdery mildew	2 to 6 oz/A	Fields should be observed closely for early disease symptoms when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.	
		1.	Apply specified dosage per acre in a minimum of 10 gallons of water per acre by ground equipment or a minimum of 5 gallons of water per acre by air when disease symptoms first appear on leaves or stems. Additional applications should be made if new disease symptoms appear.	
			The total amount of BAYLETON 50% W.P. should not exceed 16 oz per acre per crop season and the last application should not be made within 21 days of harvest.	
:			Powdery mildew: In areas having severe powdery mildew infection apply 4 to 6 oz of BAYLETON 50% W.P. per acre.	
	Rusts (stripe, leaf, and stem)	4 to 8 oz/A	Rusts: In areas having severe rust infection apply 6 to 8 oz of BAYLETON 50% W.P. per acre.	
	Speckled leaf blotch (Septoria tritici)  Leaf and glume blotch (Septoria nodorum)  Tan spot (Fyrenophora tritici-repentis)		Leaf and glume blotch, speckled leaf blotch, a tan spot: RAYLETON 50% W.P., applied at 4 to oz per acre at first sign of infection, will contlight to moderate leaf and glume blotch, speck leaf blotch, and tan spot infections. Applications for the control of glume blotch should be timed coincide with early head emergence. Application made prior to head emergence will not prove sufficient residual activity to control glume blotch for control of severe infections, it is recomment that a registered fungicide with good activity against these diseases be tank mixed we BAYLETON. Refer to the Tank Mixes section this product label.	

	RECOMMENDED APPLICATIONS (Continued)					
Crop	Disease	Rate of BAYLETON 50% Wettable Powder	Remarks (Also refer to Directions for Use)			
GRASSES GROWN FOR SEED (Idaho, Oregon, and Washington Only) Bermudagrass Perennial Ryegrass Bluegrass Tall Fescue	Rusts ( <i>Puccinia</i> spp.)	PREVENTIVE RATE 4 to 8 oz per acre  CURATIVE RATE 8 to 16 oz per acre	Apply the specified dosage in 20 gallons of water or more per acre with ground sprayers, or in 7 or more gallons of water per acre with aircraft. Thorough coverage is important for optimum disease control.  Disease control may be enhanced by the addition of a wetting agent to spray mixtures of BAYLETON 50% W.P.  A maximum of 2 lbs. of BAYLETON 50% W.P. may be applied per acre per year.  The last application may be made up to 5 days before harvest. Chaff and straw from treated area may be used for feed purposes; however, do not forage or cut green crop or use seed for feed purposes.  Regrowth may be grazed 11 weeks after last			
Fine Fescue			application.			
Orchard Grass Bentgrass Crested Wheatgrass	Powdery mildew	2 to 4 oz per acre	Preventive Schedule: For optimum disease control, apply specified dosage of BAYLETON 50% W.P. as soon as weather conditions are favorable for rust development. Apply before rust pustules are present, and continue applications at 14-to 21-day intervals depending on disease pressure.  Curative Schedule: Apply the specified dosage if rust pustules are already present. A second application 14-to 21-days later may be necessary. On highly susceptible grass varieties and/or under prolonged conditions favorable for disease development use rates of 12 to 16 oz per acre and a shorter interval between applications. Rust control is especially important during the period from early head emergence through last flowering.  Disease control may not be adequate and yield loss may occur if rust infection is allowed to reach 5 percent or greater before treating. BAYLETON 50% W.P. will prevent young, developing pustules from producing spores. However, pustules and other symptoms caused by the rust fungus prior to the application of BAYLETON 50% W.P. will remain visible.  POWDERY MILDEW: One or two applications at the 2 to 4 oz rate applied at the first signs of disease and when new powdery mildew symptoms reappear are generally sufficient for disease control. In cases where severe mildew infections are present, use, the higher rate.			



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	RECOMMENDED APPLICATIONS (Continued)				
Crop	Disease	Rate of BAYLETON 50% Wettable Powder	Remarks (Also refer to Directions for Use)		
Pine (Seedlings) (Except California)	Pine Rust (Fusiform rust)	4 to 16 oz	Begin application prior to infection period and repeat as necessary at 2 to 3 week intervals depending upon disease pressure. Use lower rates in areas of low disease incidence and higher rates in areas of severe disease incidence. A maximum of 64 ozs of BAYLETON 50% W.P. may be applied per acre per season. A spreader-sticker is needed to help adhere spray solution to the pine trees.		
Sugar Beets	Powdery mildew	BROADCAST 4 to 16 oz/A BAND 8 to 16 oz/A	GENERAL COMMENTS: Apply the specified dosage per acre in a minimum of 10 gallons of water by ground and 5 gallons of water by air.  Under severe disease conditions, use of the higher recommended rate may be necessary.  Do not apply more than 16 oz. of BAYLETON 50% Wettable Powder per acre per season.  BROADCAST APPLICATIONS: Apply specified dosage per acre as a broadcast foliar spray when disease symptoms first appear. To maintain control or if reinfection occurs, additional applications may be made at 10- to 14-day intervals.  Broadcast applications may be made up to 15 days before harvest.  BAND APPLICATIONS: Apply specified dosage per acre as a spray directed into the leaf whorl in a 2-inch band by turning a flat fan spray nozzle sideways to achieve a narrow band.  Band applications may be made up to 30 days before		
		•	achieve a narrow band.		

RECOMMENDED APPLICATIONS (Continued)					
СПОР	DISEASE	Rate OF BAYLETON 50% Wettable Powder	REMARKS (Also refer to Directions for Use)		
Cucurbits [Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, gourds, edible melons including hybrids (including cantaloupe, casaba, crenshaw, honeydew melons, honey balls, mango melon, muskmelon, Persian melon), pumpkin squash, summer squash, winter watermelon, including hybrids]	Powdery mildew (Erysiphe cichoracearum)*	2 to 4 oz/A	Apply specified dosage per acre in a minimum of 10 gallons of water by ground and 5 gallons of water by air as a foliar spray when disease symptoms first appear. Repeat at 14-day intervals to maintain control if new disease symptoms appear. Under severe disease conditions use the 4 oz rate. Applications may be made up to day of harvest. A maximum of 16 oz of BAYLETON 50% W.P. may be applied per acre per season.  *BAYLETON 50% W.P. will not give commercially acceptable control of Sphaerotheca fuliginea.		

### TANK MIXES

The following tank mix recommendations are made for the improved control of specific diseases. Before mixing BAYLETON 50% Wettable Powder with any other fungicide, read and carefully observe the precautionary statements, directions for use, and other information appearing on the EPA registered product labels.

CROP	Rate of 50% Wettable Powder and 50% Dry Flowable Formulations of Benlate®	For Improved Control of:	BAYLETON 50% W.P. Rate
Wheat	4 oz/A	Speckled Leaf blotch Leaf and glume blotch Leaf rust Tan spot	2 oz/A
СКОР	Rate of 80% Wettable Powder* Formulations of Mancozeb	For Improved Control of:	BAYLETON 50% W.P. Rate_
Grapes	East of Rockies: 1 1/2 to 4 lb/A West of Rockies: 1 1/2 to 2 1/2 lb/A	Bunch rot Dead arm Downy mildew	2 to 6 oz/A
Sugar beets	1 1/2 to 2 lb/A	Cercospora leaf spot	4 to 16 oz/A
Wheat	. 2 lb/A	Helminthosporium leaf spots Speckled leaf blotch Leaf and glume blotch Tan spot Rusts	2 oz/A

<sup>\*</sup> The rates given are for the following 80% wettable powder formulations of mar.cozab: Dithare 11-45°, Penncozeb®, Clean Crop® Mancozeb 80 WP and Mancozeb Fungicide by Riverside/Terra Ccrp. Only tank mixes with Dithane M-45 can be used in California.



### **ROTATIONAL CROPS**

Small grains, corn, sorghum, soybeans, beans, peas and cucurbits may be planted 35 days after the last application of BAYLETON, however forage or vines from these crops may not be used for food or feed. Root crops

may be planted 120 days after the last application but tops must not be used for food or feed. All crops may be planted 12 months or later after the last application of BAYLETON without any restrictions.

### STORAGE AND DISPOSAL

Pesticide Disposal: Do not contaminate water, food or feed by storage or 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 empty bag in a sanitary landfill or by 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. Do not store below freezing

(32° F). Exposure to moisture or excessive handling of water soluble packets may cause breakage. Store packets 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. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Miles Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Miles Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

Benlate is a Reg. TM of E.I. DuPont de Nemours & Co. (Inc.) Clean Crop is a Reg TM of Platte Chemical Company. Dithane M-45 is a Reg. TM of Rohm and Haas Company. Penncozeb is a Reg. TM of Elf Atochem North America.

Miles Inc.
Crop Protection Products
Box 4913, Kansas City, MO 64120

# **BAYLETON**

## 50% Wettable Powder

# **Fungicide**

**ACTIVE INGREDIENT:** 

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1*H*-1,2,4-triazol-1-yl)-2-hutanone

50%

EPA Reg. No. 3125-340

### KEEP OUT OF THE REACH OF CHILDREN

### **CAUTION**

(See Outer Package for Directions and Precautions)