

DEC 3 1993

John S. Thornton  
Mobay Corporation  
P.O. Box 4913  
Kansas City, MO 64120

Dear Mr. Thornton:

Subject: Delete Use on Barley and Grasses Grown for Seed  
Bayleton 50% Wettable Powder in Water  
Soluble Bags  
EPA Registration No. 3125-340  
Your Submission Dated MAY 4, 1993

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- Modify the mancozeb tank mix directions so they are in compliance with the EBDC PD-4 published in the Federal Register on March 2, 1992.

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

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

The amended labeling supersedes all previously accepted ones.

This labeling does not bear the required Worker Protection statements as outlined in PR Notices 93-7 and 93-11. We note that you have submitted labels in accordance with the instructions in those Notices. The new protective language in those submissions acceptance on October 22, 1993 must be incorporated into this label for any shipment released after the deadlines that have been established. Note finished printed labels must also be submitted in accordance with the instructions of the WPS group.

Sincerely yours,



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

Enclosure

**BAYLETON 50% WP Fungicide WSP**

*346674: WPS  
Tacket Accepted 1/2/93  
3 of 11*

**SPECIAL LABELING REQUIRED FOR BAGS CONTAINING PVA WATER SOLUBLE PACKETS**

340-7740.YLD

U. S. LABEL

Base Pre-Reg. (7740)

Reason to Issue: To delete use on barley and grasses grown for seed.

Date of Draft: 3/22/93(Pre-Reg)(T)

# **BAYLETON**

## **50% Wettable Powder**

### **FUNGICIDE**

### **IN WATER SOLUBLE PACKETS**

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

**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. 3125-340  
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 Precautionary Statements

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

DEC 3 1993



Under the Federal Insecticide  
Fungicide and Rodenticide Act  
Registration No. 3125-340  
EPA Est. No. 3125-MO-1

3125-340

**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. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**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 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.

**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.

**ENVIRONMENTAL HAZARDS**

Do not use on other crops grown for food or forage. Do not apply directly to water, 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. Apply this product only as specified on this label.

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

**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 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 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.**

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**DIRECTIONS FOR USE (Continued)**

**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.

3. 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 oils as in ULV or LV uses. PVA packets are water soluble not oil soluble.

**NOTICE TO USER:** For worker protection during application, wear a hat, long sleeve shirt, and long legged trousers or overalls. Protective clothing should be laundered separately following application.

**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 apply this product through any type of irrigation system.

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**RECOMMENDED APPLICATIONS (Continued)**

CROP	DISEASE	Rate of BAYLETON 50% Wettable Powder		REMARKS (Also refer to Directions for Use)
		oz/A	oz/100 gal <sup>1</sup>	
FRUITS Apples	Cedar-apple rust	2 to 8	1/2 to 2	<p>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.</p> <p>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.</p>
	Powdery mildew			
Pears	Powdery mildew	2 to 8	1/2 to 2	<p>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.</p> <p>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.</p>
Grapes	Powdery mildew	2 to 6 oz/A		<p><b>GENERAL COMMENTS:</b> Use the higher label rates under heavy disease pressure, with extended spray intervals, and/or on highly disease susceptible varieties.</p> <p>Fields should be observed closely for early disease symptoms when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.</p> <p>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 14 days before harvest.</p> <p><b>POWDERY MILDEW:</b> Make the first application pre-bloom and continue applications at 14- to 21-day intervals, or as needed.</p> <p><b>BLACK ROT</b>  <b>Protective Schedule:</b> Make the first application at 10-inch green shoot and continue applications at 7- to 14-day intervals through 5° Brix stage or until veraison (berry coloring) is complete. Under severe disease conditions and/or on highly susceptible varieties, make applications at 7-day intervals.</p> <p><b>Post-infection Schedule:</b> 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.</p>
	Black rot	<p><b>Protective Schedule</b> 2 to 3 oz/A</p> <p><b>Post-infection</b> 3 to 4 oz/A</p>		

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

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**RECOMMENDED APPLICATIONS (Continued)**

CROP	DISEASE	Rate of BAYLETON 50% Wettable Powder	REMARKS (Also refer to Directions for Use)
Raspberries (California Only)	Powdery mildew	4 ounces	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.
SMALL GRAINS  Wheat	Powdery mildew	2 to 6 oz/A	<p>Fields should be observed closely for early disease symptoms when susceptible varieties are planted and/or under prolonged conditions favorable for disease development.</p> <p>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.</p> <p>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.</p> <p><b>Powdery mildew:</b> In areas having severe powdery mildew infection apply 4 to 6 oz of BAYLETON 50% W.P. per acre.</p>
	Rusts (stripe, leaf, and stem)  Speckled leaf blotch ( <i>Septoria tritici</i> )  Leaf and glume blotch ( <i>Septoria nodorum</i> )  Tan spot ( <i>Pyrenophora tritici-repentis</i> )	4 to 8 oz/A	<p><b>Rusts:</b> In areas having severe rust infection apply 6 to 8 oz of BAYLETON 50% W.P. per acre.</p> <p><b>Leaf and glume blotch, speckled leaf blotch, and tan spot:</b> BAYLETON 50% W.P., applied at 4 to 8 oz per acre at first sign of infection, will control light to moderate leaf and glume blotch, speckled leaf blotch, and tan spot infections. Applications for the control of glume blotch should be timed to coincide with early head emergence. Applications made prior to head emergence will not provide sufficient residual activity to control glume blotch. For control of severe infections, it is recommended that a registered fungicide with good activity against these diseases be tank mixed with BAYLETON. Refer to the Tank Mixes section of this product label.</p>

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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	<p><b>GENERAL COMMENTS:</b> Apply the specified dosage per acre in a minimum of 10 gallons of water by ground and 5 gallons of water by air.</p> <p>Under severe disease conditions, use of the higher recommended rate may be necessary.</p> <p>Do not apply more than 16 oz. of BAYLETON 50% Wettable Powder per acre per season.</p> <p><b>BROADCAST APPLICATIONS:</b> 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.</p> <p>Broadcast applications may be made up to 15 days before harvest.</p> <p><b>BAND APPLICATIONS:</b> 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.</p> <p>Band applications may be made up to 30 days before harvest.</p>
		BAND 8 to 16 oz/A	

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RECOMMENDED APPLICATIONS (Continued)			
CROP	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 ( <i>Erysiphe cichoracearum</i> )*	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 <i>Sphaerotheca fuliginea</i> .

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
CROP*	Rate of 80% Wettable Powder* Formulations of Mancozeb	For Improved Control of:	BAYLETON 50% W.P. Rate
Grapes	1 1/2 to 4 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
* The rates given are for the following 80% wettable powder formulations of mancozeb: Dithane M-45*, Penncozeb*, Clean Crop, Mancozeb 80 WP and Mancozeb Fungicide by Riverside/Terra Corp. Only tank mixes with Dithane M-45 can be used in California.			

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## 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.

## RE-ENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

(The following may appear on supplemental labeling accompanying the product) Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product.

Oral warnings should include those statements found under the label heading "Precautionary Statements" and "Re-entry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING**, area treated with BAYLETON 50% Wettable Powder on (date of application). Do not enter without appropriate protective clothing until sprays have dried. **If on skin**, remove contaminated clothing and wash skin immediately with soap and warm water. **If eyes are contaminated**, wash with flowing water for at least 15 minutes. **If swallowed**, vomiting should be induced. (See Precautionary Statements on label).

## 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.

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

340-7740.YLD

Base Reg (7740a)

LABELING FOR 8 OUNCE PVA PACKET

# BAYLETON

## 50% Wettable Powder

### Fungicide

**ACTIVE INGREDIENT:**

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone ..... 50%

EPA Reg. No. 3125-340

**KEEP OUT OF THE REACH OF CHILDREN**

### CAUTION

(See Outer Package for Directions and Precautions)

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