

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

Dear Mr. Thornton:

Subject: Delete Use on Almonds
Bayleton 50% Wettable Powder
EPA Registration No. 3125-320
Your Submissions Dated July 31, 1991

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:

a. In the environmental hazards section update the statements to read:

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.

b. Delete the Signal Word WARNING and replace with CAUTION wherever it appears on the labeling.

c. Correct the Precautionary Statements and Statement of Practical Treatment as specified by our letter dated July 26, 1991.

d. In Pine infection section reinstate "infection" before "period"

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

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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 (H7505C)

Enclosure

cc: Mark Wilhite, Accelerated Reregistration Branch
Special Review and Registration Division (H7508W)

Reason to Issue: To delete use on
almonds.

U.S. LABEL

Date of Draft: 7/29/91 (T)

EPA Reg. No. 3125-320

BAYLETON®

50% Wettable Powder

FUNGICIDE

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. 3125-320

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

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.)

NET WEIGHT _____ POUNDS

MOBAY CORPORATION
A Bayer USA INC. COMPANY
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 reuse. 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 other crops grown for food or forage. Keep out of lakes, streams, and ponds. 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.

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 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. MOBAY 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 MOBAY 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 is physically compatible with many registered insecticides, miticides, and fungicides. To determine the compatibility of BAYLETON 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 Mobay representative.

NOTE TO USER

For worker protection during mixing, loading, and during application, wear a hat, long sleeve shirt, and long legged trousers or overalls. In addition, during mixing and loading, wear rubber or neoprene gloves and a dust mask. 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.

RECOMMENDED APPLICATIONS (Continued)

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

Consult your State Agricultural Experiment Station or Extension Service Specialist or Mobay 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.

Crop	Disease	Rate of BAYLETON 50% Wettable Powder		Remarks (Also Refer to Directions for Use)
		Oz/A	Qt./100 gal ¹	
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 50% W.P. may be applied per acre per season. BAYLETON 50% W.P. may be applied up to the day of 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 the day of harvest. Do not graze livestock in treated orchards.</p>

¹Rates 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.

RECOMMENDED APPLICATIONS (Cont'd)

Crop	Disease	Rate of BAYLETON 50% Wettable Powder	Remarks (Also Refer to Directions for Use)
FRUITS (Cont'd)			
Grapes	Powdery mildew	2 to 6 oz/A	<p><u>GENERAL COMMENTS</u></p> <p>Use the higher label rates under heavy disease pressure, with extended spray intervals, and/or on highly disease susceptible varieties.</p>
	Black rot	<p>Protective Schedule</p> <p>2 to 3 oz/A</p> <p>Post-infection</p> <p>3 to 4 oz/A</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><u>POWDERY MILDEW:</u> Make the first application pre-bloom and continue applications at 14- to 21-day intervals, or as needed.</p> <p><u>BLACK ROT:</u> <u>Protective Schedule</u> 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><u>Post-infection Schedule</u> 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>
Pineapple (Fresh market only)	Fresh fruit rot (<u>Cerato-cystis paradoxa</u>)	13-1/3 oz	<p><u>Post-Harvest Treatment:</u> Apply specified dosage in 100 gallons of water to fruit after harvest. Fruit should be dipped or sprayed for thorough coverage and allowed to drain. Limit dipping time to not more than 3 minutes.</p>

RECOMMENDED APPLICATIONS (Cont'd)

Crop	Disease	Rate of BAYLETON 50% Wettable Powder	Remarks (Also Refer to Directions for Use)
FRUITS (Cont'd)			
Raspberries (California Only)	Powdery mildew	4 oz/A	Apply specified dosage per acre in not less than 20 gallons of water using ground equipment. Make the 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, Barley	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. (
	Ruscs (stripe, leaf, and stem) Leaf blotch (<u>Septoria tritici</u>) Barley scald	4 to 8 oz/A	Apply specified dosage per acre in a minimum of 10 gallons of water per acre by ground equipment or 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. (Continued)

RECOMMENDED APPLICATIONS (Cont'd)

Crop	Disease	Rate of BAYLETON 50% Wettable Powder	Remarks (Also Refer to Directions for Use)
SMALL GRAINS (Cont'd) Wheat Barley			<p><u>Rusts:</u> In areas having severe rust infection apply 6 to 8 oz of BAYLETON 50% W.P. per acre.</p> <p><u>Leaf blotch:</u> BAYLETON 50% W.P., applied at first sign of infection, will suppress light to moderate leaf blotch infections. For control of severe leaf blotch infections it is recommended that a registered fungicide with good activity against this disease be tank mixed with BAYLETON.</p> <p><u>Barley scald:</u> Apply 4 to 8 oz of BAYLETON 50% W.P. at the first sign of scald symptoms.</p>
GRASSES GROWN FOR SEED Bermudagrass Perennial Ryegrass Bluegrass	Rusts (Puccinia spp.)	<p><u>PREVENTATIVE RATE</u></p> <p>4 to 8 oz/A</p> <p><u>CURATIVE RATE</u></p> <p>8 to 16 oz/A</p>	<p>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.</p> <p>Disease control may be enhanced by the addition of a wetting agent to spray mixtures of BAYLETON 50% W.P.</p> <p>A maximum of 2 lb of BAYLETON 50% W.P. may be applied per acre per year.</p> <p>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 application.</p> <p><u>RUSTS</u> <u>Preventative Schedule</u> 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.</p> <p>(Continued)</p>

RECOMMENDED APPLICATIONS (Cont'd)

Crop	Disease	Rate of BAYLETON 50% Wettable Powder	Remarks (Also Refer to Directions for Use)
GRASSES GROWN FOR SEED (Cont'd)			(Continued) <u>RUSTS</u> <u>Curative Schedule</u> 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 favor- able 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 (
Bermudagrass			
Perennial Ryegrass			
Bluegrass			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	2 to 4 oz/A	<u>POWDERY MILDEW:</u> One or two applicati ns at the 2 to 4 oz rate applied at the first signs (
Pine infection (Seedlings) (Except California)	Pine Rust (Fusiform rust)	4 to 16 oz/A	Begin application prior to 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 oz 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.

RECOMMENDED APPLICATIONS (Cont'd)

Crop	Disease	Rate of BAYLETON 50% Wettable Powder	Remarks (Also Refer to Directions for Use)
Pine Seed (Nurseries) (Except California)	Fusiform rust (<u>Cronartium quercuum</u>)	20 oz	Mix specified dosage in 100 gallons of water. Cover seeds with the mixture and soak them, at room temperature (75°F), for 24 hours, stirring occasionally. Seed stratification, if necessary, should be completed before treatment with BAYLETON 50% Wettable Powder. Thoroughly air dry all seed before applying any additional treatment or before planting. A spreader sticker may be needed to help adhere BAYLETON to the pine seed. Do not use treated seed for food or feed purposes.
		2 oz	Apply specified dosage to 50 lb of thoroughly wetted pine seeds in a commercial treater or other suitable tumbler apparatus. Allow to mix for at least 10 minutes before applying bird repellent or other seed dressing materials. Thoroughly air dry seed before sowing. Do not use treated seed for food or feed purposes.
Sugar beets	Powdery mildew	BROADCAST 4 to 16 oz/A	<u>GENERAL COMMENTS</u> 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.
		BAND 8 to 16 oz/A	<u>BROADCAST APPLICATIONS:</u> 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. <u>BAND APPLICATIONS:</u> Apply specified dosage per acre as a spray directed into the leaf whorl in a 2-inch band by turning a flat fan spray nozzie sideways to achieve a narrow band. Band applications may be made up to 30 days before harvest.

RECOMMENDED APPLICATIONS (Cont'd)

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 (<u>Erysiphe</u> <u>cichor-</u> <u>acearum</u>)*	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 <u>Sphaerotheca fuliginea</u> .
Christmas Trees (except Concolor Fir)	Stem & Cone Rusts <u>Cronartium</u> spp. (Fusiform) <u>Peridermium</u> spp. <u>Endocronartium</u> <u>harknessii</u> (Gall) Tip blight <u>Sirococcus</u> <u>strobilinus</u>	8 oz/A	Apply specified dosage per acre or per 100 gallons of water as a full coverage, dilute spray as needed. Full coverage of the trees is essential for maximum control. Use of nonionic spray adjuvant is recommended. Time applications appropriately for the specific disease being controlled. A maximum of 64 oz of BAYLETON 50% W.P. may be applied per acre per season. For rusts, begin applications when the needles break through the fascicle sheath. Make additional applications at 14- to 21-day intervals. Stop when galls become pale to white in color. For tip blight, begin applications to coincide with bud break. Make two additional applications at 14-day intervals.

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. 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.

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	Helmintho- sporium leaf spots Septoria leaf spots (leaf blotch) Septoria glume blotch Tan spot Rusts	2 oz/A

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. 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. Dispose of pesticide 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 Bayer AG, Germany.

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 Pennwalt Corporation.