

BAYLETON 50% W.P.

RECOMMENDED APPLICATIONS (Cont'd)

Crop	Disease	Rate of BAYLETON 50% Wettable Powder	Remarks (Also refer to Directions for Use)
Sugar beets	Powdery mildew	8 to 16 oz/A	BROADCAST APPLICATIONS: Apply specified dosage per acre as a broadcast foliar spray when disease symptoms first appear. Repeat application at the lower rate only on a 10 to 14 day interval to maintain control. Under severe disease conditions, use of the higher recommended rate may be necessary. Do not apply the higher rate more than one time per season. Do not apply more than 16 oz of BAYLETON 50% Wettable Powder per acre per season. Applications may be made up to 15 days of harvest.
		16 oz/A	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. Do not apply more than one time per season nor more than 16 oz. of BAYLETON 50% Wettable Powder per acre per season. Application may be made 30 days of harvest.

¹ This rate of BAYLETON 50% Wettable Powder is based on a standard of 400 gallons of dilute spray per acre, or the equivalent amount of product per acre in a concentrate spray.

YLD7

Base Pre-Reg (4951)

U.S. LABEL

Reason to Issue: To add diseases for wheat, and barley; recommend preventative and curative control for grasses grown for seed and for black rot on grapes; revise Remarks section.

Date of Draft: 2/16/84 (Pre-Reg) (S)

EPA Reg. No. 3125-340

® BAYLETON

50% Wettable Powder

FUNGICIDE

In Water Soluble Packets

ACCEPTED
COMMENTS
to EPA Letter Dated

APR 2 1984

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
3125-340

ACTIVE INGREDIENT:

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

AMENDMENT

To Previously Registered Labeling

Revise as Follows:

GRASSES GROWN FOR SEED

BAYLETON 50% Wettable Powder will give optimum rust control when applied in a preventative spray schedule. It will effectively stop development of existing rust pustules in a curative schedule when applied as recommended. BAYLETON is absorbed rapidly and works systemically from within the plant. Thorough coverage and wetting of the foliage is necessary. Disease control may be enhanced by the addition of a wetting agent to spray solutions of BAYLETON. For maximum yield protection BAYLETON must be applied before rust pustules are present. BAYLETON may be less effective on plants stressed by drought.

BAYLETON 50% Wettable Powder

RECOMMENDED APPLICATIONS

CROP	DISEASE	RATE OF BAYLETON 50% W.P.		REMARKS (Also Refer to Directions for Use)
		oz/Acre	102/100 gal	
Grapes	Powdery mildew	West of the Rocky Mts.	4 to 5	POWDERY MILDEW Make the first application pre-bloom and continue applications at 14 to 21 day intervals, or as needed.
		East of the Rocky Mts.	2 to 6	
	Black rot	Protective Schedule	2 to 3	BLACK ROT <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. <u>Post-infection Schedule</u> During bloom apply within 48 to 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. Use the higher label rates under heavy disease pressure, with extended spray intervals, and/or on highly disease susceptible varieties. 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 of harvest.
		Post-infection schedule	3 to 4	

Name of Crop	Disease	Rate of Bayleton	Remarks (Also refer to label for use)
Small Grains			
Wheat, Barley	Powdery mildew	2 to 4 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.
	Rusts (stripe, leaf, and stem)		
	Leaf blotch (<u>Septoria tritici</u>)	4 to 8 oz./A	Apply specified dosage per acre when disease symptoms first appear on leaves or stems. Additional applications should be made if new disease symptoms appear.
	Barley scald		<u>Powdery mildew</u>: In areas having severe powdery mildew infection apply 4 to 6 oz. of BAYLETON 50% W.P. per acre. <u>Rusts</u>: In areas having severe rust infection apply 6 to 8 oz. of BAYLETON 50% W.P. per acre. <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. <u>Barley scald</u>: Apply 4 to 8 ozs. of BAYLETON 50% W.P. at the first sign of scald symptoms. 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 14 days of harvest.

BAYLETON 50% Wettable Powder

BAYLETON 50% W.P. (50% W.P.)			REMARKS (Also refer to Directions for Use)
CROP	DISEASE	DOSAGE OF BAYLETON 50% W.P.	
<u>GRASSES - LATE</u>			
<u>FOR STEER</u>			
		<u>PREVENTATIVE RATE</u>	
Perennial Ryegrass	Rusts (Puccinia spp.)	4 to 8 oz per acre	Apply the specified dosage in 20 gallons of water or more per acre with ground sprayers, or in 7 to 10 gallons of water per acre with aircraft. Thorough coverage is important for optimum disease control.
Bluegrass			
Bermudagrass			
		<u>CURATIVE RATE</u>	
		8 to 16 oz per acre	Disease control may be enhanced by the addition of a wetting agent to spray mixtures of BAYLETON 50% W.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.
			<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 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 leaf 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.
			(Remarks continued on next page)

BAYLETON 50% Wettable Powder

RECOMMENDED APPLICATIONS (Cont'd)			
CROP	DISEASE	RATE OF BAYLETON 50% W.P.	Remarks (Also Refer to Directions for Use)
<u>GRASSES GROWN FOR SEED (Cont'd)</u>			
Perennial			
Ryegrass	Powdery mildew	2 to 4 ozs per acre	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. 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 of 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.
Bluegrass			
Bermudagrass			

VITE

Case No-Reg. 1251

For use as a preventive and curative fungicide on grapes for control of black rot and grape powdery mildew.

Date of Labeling: 12/1/83

EPA Reg. No. 1125-34

® BAYLETON

50% Wettable Powder

FUNGICIDE

In Water Soluble Packets

ADDED TO
EPA Label Dated:

ARR
2 1984

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, this pesticide is registered under EPA Reg. No. 1125-34.

ACTIVE INGREDIENT:

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

AMENDMENT

To Previously Registered Labeling

Revise as follows:

GRAPES - BROWN FOR SKIN

BAYLETON 50% Wettable Powder will give primary control when applied in a preventative spray schedule. It will also control development of existing rust pustules in a curative schedule when applied as recommended. BAYLETON is absorbed rapidly and works systemically within the plant. Its fungicidal activity and wetting of the foliage is necessary for control. Control can be enhanced by the addition of a wetting agent. Some of the following fungicides will, in addition to BAYLETON, must be applied to the foliage to prevent, control, and cure effective control of the plant.

BAYLETON 50* W.P. Powder

Crop	Disease	Label 1 BAYLETON 50* W.P.		Label 2 BAYLETON 50* W.P.	Label 3 BAYLETON 50* W.P.
		Per Acre	Per Acre		
Grapes	Powdery mildew	West of the Rocky Mts.	4 to 5	-	POWDERY MILDEW Make the first application pre-bloom and continue applications at 14 to 21 day intervals, or as needed.
		East of the Rocky Mts.	2 to 3	-	
	Black rot	Protective Schedule	2 to 3	-	BLACK ROT Protective Schedule 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. Post-infection Schedule During bloom apply within 48 to 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. Use the higher label rates under heavy disease pressure, with extended spray intervals, and/or on highly disease susceptible varieties. A maximum of 12 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.
		Post-infection schedule	2 to 4	-	

BAYLETON 50% Wettable Powder

For use on wheat and barley

Crop	Disease	Rate of application	Directions for use
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.
	Austs (stripe, leaf, and stem) Leaf blotch (<i>Septoria tritici</i>)	4 to 8 oz./A	Apply specified dosage per acre when disease symptoms first appear on leaves or stems. Additional applications should be made if new disease symptoms appear.
	Barley scald		<u>Powdery mildew:</u> In areas having severe powdery mildew infection apply 4 to 6 oz. of BAYLETON 50% W.P. per acre. <u>Rusts:</u> In areas having severe rust infection apply 6 to 8 oz. of BAYLETON 50% W.P. per acre. <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. <u>Barley scald:</u> Apply 4 to 8 oz. of BAYLETON 50% W.P. at the first sign of infection. The total amount of BAYLETON 50% W.P. should not exceed 12 oz. per acre per crop season and the last application should not be made within 30 days of harvest.

BAYLETON 50% Wettable Powder

CROP		Rate of Application	Remarks
Cereals Oreganese Cuegrass Bermudagrass	Rusts (Puccinia spp.)	4 to 8 oz per acre	Apply the specified dosage in 20 gallons of water or more per acre with ground sprayers, or in 7 to 10 gallons of water per acre with aircraft. Thorough coverage is important for optimum disease control.
		<u>CURATIVE RATE</u>	Disease control may be enhanced by the addition of a wetting agent to spray mixtures of BAYLETON 50% W.P.
		8 to 16 oz per acre	<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.
			<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 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 leaf flowering. If disease control may not be adequate and field loss may occur if rust infection is allowed to reach 5 percent or greater before treating, BAYLETON 50% W.P. will prevent long, developing pustules from producing spores. However, pustules and their symptoms caused by the rust fungus prior to the application of BAYLETON 50% W.P. will remain visible. Refer to Appendix on next page

BAYLETON 50% Wettable Powder

For use on all crops susceptible to powdery mildew. See label for complete directions for use.

Directions for Use:
 Apply to crops susceptible to powdery mildew at the rate of 1 to 2 lbs. per acre.

Use on:

Barley

POWDERY MILDEW: One or two applications at the 1 to 2 lb. 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.

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 of 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.

1004

McKay Chemical Corporation
Agricultural Chemicals Division
P.O. Box 4913
Kansas City, MO 64110

Attention: Mr. W. Russell

Gentlemen:

Subject: Bayleton 50% Wettable Powder in Wat. Soluble Packets
EPA Registration No. 3125-346
Application for Renewal Registration Dated May 4, 1983, and
Amended Application Dates, Dated February 16, 1984

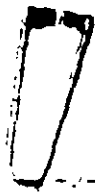
The amendment referred to above, submitted in connection with registration under FIFRA sec. (c)(7)(B), is acceptable, provided that you:

1. Submit a report of all data required for registration/re-registration of your product under FIFRA sec. (c)(2) when the Agency requires all registrants of similar products to submit such data.
2. Submit a report of all data (and/or other evidence) for the product and its uses which is required by FIFRA sec. (c)(2), such as data, and supporting information, to be submitted by registrants with FIFRA sec. (c)(2) products, and which is required by the Agency, or later regulations, to be submitted by registrants of similar products.

Very truly yours,

W. Russell
Director, Registration Division
U.S. Environmental Protection Agency
Washington, D.C. 20460

Enclosure



- a. Resistant to blights and other diseases, including restrictions on the use of this product in the following manner:

Cucurbits - add a 35-day rotational crop restriction, if leaves and vines are not used for food or feed as with soybeans, beans, and peas.

Sugar beets - add a 4-month rotational crop restriction on root crops, so long as tops are not used for food or feed.

- b. Under sprouts, etc., insert, indicate that the additional (post bloom) applications referred to are for control of brown rot of fruit.
- c. Under cucurbits, explain what criteria are to be used in determining when to make repeat applications in accordance with the recommendation to repeat "as necessary."
- d. Under sugar beets, change "Repeat application at the lower rate only on a 10 to 14-day interval to maintain control" to "To maintain control a second application may be made 10 to 14 days later, only if the initial application did not exceed 0.25 lb. of Bayleton 50% Wettable Powder per acre" or similar phraseology.

4. Submit five (5) copies 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 sec. 6(c). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely,
[Signature]

Henry H. Sawyer,
Product Manager (21)
Fumigant-Plant Protection Branch
Registration Division (11-702)

cc: [illegible]
[illegible]

YLD3

U.S. LABEL

Reason to Issue: To propose use on
stone fruits, cucurbits, and sugar
beets.

Date of Draft: 5/3/83 (Pre-Reg) (S)

EPA Reg. No. 3125-340

① BAYLETON

50% Wettable Powder

FUNGICIDE

IN WATER SOLUBLE PACKETS

MAR 2 1984

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this pesticide
is registered under EPA Reg. No.
3125-340

ACTIVE INGREDIENT:

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

AMENDMENT

To Previously Registered Labeling

DIRECTIONS FOR USE

APPLICATIONS

BAYLETON 50% Wettable Powder may be applied by ground or aircraft spray equipment. Check equipment calibration frequently. Complete coverage and thorough application is essential for the most effective results, especially when lower spray volumes are applied.

Tree Crops

Ground: Dilute Sprays — Apply the specified dosage in sufficient spray solution for complete coverage to point of drip.

Concentrate Sprays — Apply the specified dosage in a minimum of 20 gallons of spray solution per acre.*

Aircraft: Broadcast — Apply the specified dosage in a minimum of 3 to 5 gallons of spray solution per acre.*

*If necessary, increase the spray volume per acre for complete crop coverage.

Sugar beets

Broadcast: Apply specified dosage per acre in a uniform spray with a minimum of 10 gallons of spray solution per acre by ground or 3 to 5 gallons of spray solution per acre by air.

Band: Apply specified dosage per acre in a 2 inch band by turning a flat fan spray nozzle sideways to achieve a narrow band spray directed into the leaf whorl.

Cucurbits: Apply specified dosage per acre in a uniform spray with a minimum of 10 gallons of spray solution per acre by ground or 3 to 5 gallons of spray solution per acre by air.

BEST DOCUMENT AVAILABLE

BAYLETON 50% W.P.

DOSAGE

Use the specified amount of BAYLETON 50% Wettable Powder per acre in sufficient water to give complete coverage of foliage. Use higher recommended rates on the most disease susceptible varieties and/or with increasing disease pressure.

RECOMMENDED APPLICATIONS

Crop	Disease	Rate of BAYLETON 50% Wettable Powder				Remarks (Also refer to Directions for Use)
		Oz/100 Gal	Oz/A ¹ 12	Calif. Only Oz/100 Gal	Oz/A ¹ 24 to 32	
Apricots Nectarines Peaches Plums/ Prunes	Brown rot Blossom blight					Make applications at pink bud and full bloom in aerial or ground equipment. For severe infestations, use the higher rate. Concentrate sprays may be applied provided the amount of BAYLETON 50% WP applied per acre is the same as that which would be applied per acre in a full coverage dilute spray. Additional applications can be made as needed up to day of harvest. In California, do not apply more than 128 ozs. (8 lbs.) of BAYLETON 50% WP per acre per crop season. In Other Areas, do not apply more than 72 ozs. (4 1/2 lbs.) of BAYLETON 50% WP per acre per crop season.
Cucurbits	Powdery mildew			2 to 4 oz. per acre		Apply specified dosage per acre as a foliar spray when disease symptoms first appear. Repeat at 10 to 14 day intervals or as necessary to maintain control. Under severe disease conditions use the 4 oz. rate. Applications may be made up to day of harvest. A maximum of 16 oz. per acre of BAYLETON 50% W.P. may be applied per acre per season.

BEST DOCUMENT AVAILABLE