

Bayer CropScience

# Bayleton® 50% Dry Flowable

Fungicide

## ACTIVE INGREDIENT:

1-(4-Chlorophenoxy)-3,3-dimethyl-1-

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

INERT INGREDIENTS: ..... 50%

100%

EPA Reg. # 264-737

EPA Est. # 3125-MO-1

STOP—Read the label before use

KEEP OUT OF REACH OF CHILDREN

CAUTION

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours  
A Day 1-800-334-7577For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

## FIRST AID

<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>Note To Physician:</b> No specific antidote. Treat symptomatically. <b>Symptoms of poisoning:</b> The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation.	

## 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 (other than mixers and loaders) must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of waterproof material such as neoprene, butyl rubber, barrier laminate or nitrile rubber
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

## Mixer and loaders must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of waterproof material such as neoprene, butyl rubber, barrier laminate or nitrile rubber
- Shoes plus socks
- Chemical-resistant headgear
- NIOSH approved respirator with any N, R, P or HE filter.

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.

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**Engineering controls statements:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker 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:

## Users 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.

## ENVIRONMENTAL HAZARDS

Do not apply directly to water, or 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.

**Ground Water Advisory:** This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

## 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
- Chemical-resistant gloves made of waterproof material such as neoprene, butyl rubber, barrier laminate or nitrile rubber
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** 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 below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response Telephone No. is 1-800-334-7577.

**Pesticide 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.

**MIXING:** Add the recommended amount of BAYLETON 50% Dry Flowable 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% Dry Flowable should be thoroughly dispersed prior to the addition of other materials.

**COMPATIBILITY:** BAYLETON fungicide is physically compatible with many registered insecticides, miticides, and fungicides. To determine the compatibility of BAYLETON fungicide 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

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considered physically compatible. For further information contact your local Bayer CropScience representative.

### RECOMMENDED APPLICATIONS

BAYLETON 50% Dry Flowable 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.

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

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

Consult your State Agricultural Experiment Station or Extension Service Specialist or Bayer CropScience 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.

### RECOMMENDED APPLICATIONS

CROP	DISEASE	RATE OF BAYLETON 50% Dry Flowable	
Apples	Cedar-apple rust	<u>Oz/A</u>	<u>Oz/100 gal<sup>1</sup></u>
	Powdery mildew	2 to 8	½ 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 50% DF may be applied per acre per season. BAYLETON 50% DF may be applied up to 45 days prior to crop harvest. Do not graze livestock in treated orchards.		
Pears	Powdery mildew	2 to 8	½ 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% DF may be applied per acre per season. BAYLETON 50% DF may be applied up to 45 days prior to crop harvest. Do not graze livestock in treated orchards.		

<sup>1</sup> Rates of BAYLETON 50% DF 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.

CROP	DISEASE	RATE OF BAYLETON 50% Dry Flowable
Grapes	Powdery mildew	2 to 6 oz/A
	Black rot	<b>Protective Schedule:</b> 2 to 3 oz/A <b>Post-infection:</b> 3 to 4 oz/A
	<b>GENERAL COMMENTS</b> 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% DF may be applied per acre per crop season. BAYLETON 50% DF may be applied up to 14 days before harvest. <b>POWDERY MILDEW:</b> Make the first application pre-bloom and continue applications at 14- to 21-day intervals, or as needed. <b>BLACK ROT: 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. <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% DF at 7- to 14-day intervals, or as needed to maintain control.	

### TANK MIXES

The following tank mix recommendations are made for the improved control of specific diseases. Before mixing BAYLETON 50% Dry Flowable 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	For Improved Control of:	Rate of 80% Wettable Powder* Formulations of Mancozeb	BAYLETON 50% DF Rate
Grapes East of Rockies:	Bunch rot Dead arm Downy mildew	1 ½ to 4 lb/A	2 to 6 oz/A
Grapes West of Rockies:	Bunch rot Dead arm Downy mildew	1 ½ to 2 ½ lb/A	2 to 6 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.

CROP	DISEASE	RATE OF BAYLETON 50% Dry Flowable
Pineapple	Pineapple butt rot <i>Ceratocystis paradoxa</i>	2 ⅔ to 9 oz
	<b>Pre-Plant Seed Piece Material Treatment:</b> Apply specified dosage in 100 gallons of water as a planting material dip. Immerse material to allow for thorough wetting. Use higher label rates under heavy disease pressure. Do not use green forage or green fodder for animal feed. Cannery waste may be fed.	
	Fresh fruit rot <i>Ceratocystis paradoxa</i>	2 ⅔ to 9 oz
	<b>Post-Harvest Fruit Treatment:</b> Apply specified dosage in 100 gallons of water or wax water after harvest. Fruit should be dipped or sprayed for thorough coverage and allowed to drain. Limit dipping time to not more than 3 minutes. Fruit discarded from fresh fruit packing operation may be used for processing. Cannery waste may be fed.	
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 not more than 2 applications within the same 30-day period. Do not harvest within 1 day of application.	
Pine (Seedlings) (Except California)	Pine Rust (Fusiform rust)	4 to 16 oz/A
	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 oz of BAYLETON 50% DF may be applied per acre per season. A spreader-sticker is needed to help adhere spray solution to the pine trees. Do not apply BAYLETON 50% DF on recent grafted scions until one year after grafting.	
Pine Seed (Nurseries) (Except California)	Fusiform rust ( <i>Cronartium quercuum</i> )	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% DF. 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.	
	Fusiform rust ( <i>Cronartium quercuum</i> )	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.	
Christmas Trees (Except Concolor Fir)	Stem & Cone Rusts <i>Cronartium</i> spp. (Fusiform) <i>Peridermium</i> spp. <i>Endocronartium harknessii</i> (Gall)	8 oz/A

CROP	DISEASE	RATE OF BAYLETON 50% Dry Flowable
	Tip blight <i>Sirococcus strobilinus</i> Lophodermium Needlecast <i>Lophodermium pinestri</i>	
	<p>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% DF may be applied per acre per season.</p> <p>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.</p> <p>For tip blight, begin applications to coincide with bud break. Make two additional applications at 14-day intervals.</p> <p>For Lophodermium needlecast, begin applications to coincide with spore release, normally beginning in mid-July and ending in mid-October. Make applications at 21-day intervals. Extend interval to 28 days if spore release is light or dry weather is expected.</p>	

**ROTATIONAL CROPS**

Corn, sorghum, soybeans, beans and peas 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.

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

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