



BENOMYL

50% DF

SYSTEMIC FUNGICIDE

ACCEPTED

APR 24 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 34704-602

- A systemic fungicide to be mixed with water for spray application.
- Provides Curative (Eradicant) and Protective Action.

ACTIVE INGREDIENT:

Benomyl [Methyl 1-(butylcarbamoyl)-2-benzimidazolecarbamate]	50%
INERT INGREDIENTS:	50%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN CAUTION

NET WEIGHT 8 OUNCES
EPA REG. NO. 34704-602 EPA EST. NO. 34704-NB-1
See Below For Additional Precautionary Statements
 33952 09C92

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

May irritate eyes, nose, throat and skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly after using.

Protective Measures: Always spray with your back to the wind. Wear long-sleeved shirt, long pants, and rubber gloves. Wash gloves thoroughly with soap and water before removing. Change clothes immediately after using this product and launder separately from other laundry items before reuse. Shower immediately after use.

Do not enter or allow reentry into treated areas until sprays have dried unless wearing the protective clothing specified under "Protective Measures."

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Remove contaminated clothing and immediately wash affected area with soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean water mark. Drift and runoff from treated areas may be hazardous to fish in adjacent areas. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Keep away from fire or sparks.

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 through any type of irrigation system.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store in original labeled container in a cool, dry, locked place out of reach of children. Do not allow this product to become wet in storage. This may lead to certain chemical changes which will reduce its effectiveness. Keep container tightly closed when not in use.
DISPOSAL: Do not reuse empty container. Wrap container and put in trash.

This product is recommended for the control of certain diseases in certain vegetables, fruits and fruit trees. It is effective for the control of many fungus diseases, providing both curative (eradicator) action and protective action. This product is used with water for application as a spray. **USE LEVEL MEASUREMENTS.** Continuous agitation is required to keep the material in suspension. Apply as a spray (except as otherwise directed), using sufficient water to obtain thorough coverage of the plants. Under severe disease conditions use the higher rate and shorter interval specified for each crop; also, for tree crops, use the higher rate for large mature trees. Consult your State Agricultural Extension Specialist for guidance on your particular crop and disease control situation. **Do not use on Greenhouse crops, including Hydroponic grown crops. Do not use on any container grown crops.**

VEGETABLES

BEANS: White Mold (*Sclerotinia*), Gray Mold (*Botrytis*)—Apply 3³/₄-5 tbsps. in 5 gals. water to 1000 sq. ft. (1¹/₂-2lbs. per acre), at 25% to 50% bloom; repeat at peak bloom. Do not apply to lima beans within 28 days of harvest. For other beans, do not apply within 14 days of harvest. Do not graze or feed treated bean vines or hay to livestock.

CELERY: Early Blight (*Cercospora*), Late Blight (*Septoria*)—Apply 1⁷/₈ to 3³/₄ tps. in 5 gals. water to 1000 sq. ft. (4-8 ozs. per acre); begin when disease first appears and repeat at 7 to 10 day intervals. Do not apply within 7 days of harvest.

CUCUMBERS, MELONS, PUMPKINS, SUMMER AND WINTER SQUASH; Target Spot (Cucumbers), Gummy Stem Blight, Powdery Mildew, Anthracnose—Apply 1⁷/₈ to 3³/₄ tps. in 5 gals. water per 1000 sq. ft. (4-8 ozs. per acre.). Begin applications when plants begin to run or when disease first appears and repeat at 7 to 14 day intervals as needed. For Target Spot, use 7 day intervals as needed.

MUSHROOMS: Verticillium Spot (Dry Bubble)—Use 1 tbsp. per gal. and apply to bed surface at the rate of 12¹/₂ gals. per 1000 sq. ft. Apply immediately after casing and repeat at pinning; alternatively, if disease has occurred, apply to beds after picking and repeat 10 days later. Do not apply within 2 days of harvest.

TOMATOES: Apply 1¹/₂-1 tbsp. per gal. of water to control Gray (*Botrytis*), Leaf (*Cladosporium*) and White (*Sclerotinia*) Molds; Cercospora Leaf Spot; Phoma Leaf Spot. Begin applications when disease first appears and repeat at 7-14 day intervals as needed.

Do not use on Greenhouse crops, including Hydroponic grown crops.

FRUITS

BLUEBERRIES: Apply 2¹/₂ tbsps. in 5 gals. water per 1000 sq. ft. (1 lb. per acre.). Do not make more than 4 applications before harvest; do not apply within 21 days of harvest. **Mummy Berry, Botrytis Blossom Blight**—Apply at green tip and repeat at 7 to 10 days intervals through petal fall. **Anthracnose Leafspot**—Apply when disease first appears and make one additional application 14 days later. After harvest, make up to 4 applications to the bushes at 14 day intervals as needed. **Do not use on container grown blueberries.**

CANE BERRIES—RASPBERRIES, BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, DEWBERRIES: Botrytis, Powdery Mildew, Penicillium Rot—Apply 1⁷/₈ tbsps. in 5 gals. water per 1000 sq. ft. (3³/₄ lb. per acre) at early bloom [5 to 10%] and at full bloom; make up to 3 additional applications at 14 day intervals as needed. Do not apply within 3 days of harvest.

GRAPES: Botrytis Bunch Rot—Apply 2¹/₂ to 3³/₄ t. sps. in 5 gals. water to 1000 sq. ft. (1-1¹/₂ lbs. per acre) at first bloom [no later than 5% bloom] and repeat 14 days later if severe disease conditions persist. Make an additional application 3 to 4 weeks before harvest or when sugar begins to build; repeat 14 days later if conditions favorable for disease persist. This product does not control bunch rots caused by other organisms such as *Rhizopus* spp., *Alternaria* spp., and *Diplodia* spp.; these rots occur most frequently in high temperature areas such as the San



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Joaquin and Sacramento Valleys of California. Powdery Mildew, Black Rot, Bitter Rot—East of Rockies—Apply 1 3/4 to 3 3/4 tbsps. in 5 gals. of water per 1000 sq. ft. (3/4-1 1/2 lbs. per acre) when foliage first develops and repeat at 14 to 21 day intervals, or as needed, until berries are full size.

NOTE: Do not apply within 7 days of harvest.

STRAWBERRIES: Gray Mold (*Botrytis*), Powdery Mildew, Leaf Scorch, Leaf Blight, *Mycosphaerella* Leafspot—Apply 2 1/2 tbsps. in 5 gals. of water per 1000 sq. ft. (1 lb. per acre) at 10% bloom and at full bloom; continue at 10 to 14 day intervals, using 1 1/4 tbsps. in 5 gals. of water per 1000 sq. ft. Anthracnose—Apply 2 1/2 tbsps. in 5 gals. of water per 1000 sq. ft. when plants are established and repeat at 7 day intervals.

TREE FRUITS: Apply this product by using sufficient volume of spray to provide thorough coverage—until sprays begin to drip from leaves. Do not graze livestock in treated areas. Apply at the following rates:

APPLES: For applications through cover sprays, use in tank mixture as detailed below.

Apply with captan for Scab, Powdery Mildew, Sooty Blotch, Flyspeck, Black Rot,—Use 1/2 tsp. of this product plus 2 tps. of Captan 50 WP per 1 gal. of water; Note spray injury may result if Captan is used with, immediately before, or closely following an oil spray. Apply at 1/2" green tip and repeat at 7 to 14 day intervals (or as needed) through the cover sprays.

Postharvest Fruit Rots (*Botrytis* spp., *Penicillium* spp. *Gloeosporium* spp.)—Make a single application of 1 tsp. per 1 gal. water anytime from 3 weeks before harvest up to day of harvest.

CITRUS: Scab—Apply 3/4 to 1 1/2 tbsps. per 1 gal. water (1 1/2-3 lbs. per acre). Under conditions of severe disease pressure, apply at pinhead stage (just prior to first flush) and repeat at 2/3 petal fall; otherwise, make a single application at 2/3 petal fall.

Greasy Spot—Make a single application of 3/4 to 1 1/2 tbsps. per 1 gal. water during the period mid-June to mid-July.

Fruit Decay (Green Mold, Blue Mold, Stem-end Rot)—Preharvest Spray—Make a single application of 1/2 to 1 tsp. per 1 gal. of water (1-2 lbs. per acre) anytime from 3 weeks prior to harvest up to day of harvest.

PEARS: Scab, Powdery Mildew, Sooty Blotch, Flyspeck—Use 3/4 to 1 1/4 tbsps. per gal. of water. Apply at 1/2" green tip and repeat at 7 to 14 day intervals (or as needed) through the cover sprays. If an application is missed during an infection period, use 1 1/4 tbsps. per gal. of water and apply as soon as possible after the infection period in order to deactivate scab and to prevent further infection. **Postharvest Fruit Rots (*Botrytis* spp. *Penicillium* spp. *Gloeosporium* spp.)**—Make a single application of 1 1/4 tbsps. per gal. of water anytime from three weeks before harvest up to day of harvest.

Overwintering Scab—Apply 1 1/2 tbsps. per gal. after harvest but before leaf drop. Thorough wetting of foliage is necessary.

STONE FRUITS: PEACHES, NECTARINES, APRICOTS, CHERRIES, PRUNES and PLUMS for the control of Brown Rot Blossom Blight, Fruit Brown Rot, Peach Scab, Powdery Mildew and Cherry Leaf Spot.

Brown Rot Blossom Blight, Fruit Brown Rot: Apply 1 tsp. per gal. of water (in combination with dormant oil) as a delayed dormant treatment prior to bud break. Use 1 tsp. per 2 gals. water at early bloom (popcorn, red bud or green tip) and at full bloom. Beginning three weeks before harvest, apply 1 or 2 additional sprays of 1 tsp. per 2 gals. water.

Peach Scab: Use same schedule as for Brown Rot, plus applications of 1 tsp. per 2 gals. water at shuck split and shuck fall. (Two Sprays)

Powdery Mildew: Use same schedule as for Brown Rot, plus one application of 1 tsp. per gal. water at shuck split and first cover spray. (Two Sprays)

Cherry Leaf Spot: Use same schedule as for Brown Rot, plus a single application of 1 tsp. per 2 gals. water 2 to 3 weeks after harvest.

TURF

For DOLLAR SPOT (*Sclerotinia homocarpa*), LARGE BROWN PATCH (*Rhizoctonia solani*), and FUSARIUM PATCH (*Fusarium nivale*) apply at the rate of 2 ozs. (12 tbsps.) in 2-5 gals. of water per 1000 sq. ft. For FUSARIUM BLIGHT (*Fusarium roseum* and *Fusarium tricinctum*) use 6 ozs. (36 tbsps.) in 2-5 gals. of water per 1000 sq. ft. Addition of a wetting agent to the spray mixture enhances curative action and improves distribution of spray. Start treatments at earliest appearance of disease and continue at 10 to 14 day intervals for as long as needed. When conditions are unusually favorable for development of disease, shorten interval to 5 to 7 days. For Stripe Smut (*Ustilago striiformis*) use 6 ozs. (36 tbsps.) in 2-5 gals. per 1,000 sq. ft. in October or early Spring before grass begins to grow. After application, water turf sufficiently to carry product to base of plants. Do not graze or feed clippings from treated area to livestock.

RESISTANT FUNGUS STRAINS MAY BE PRESENT

IMPORTANT: If treatment is not effective following use of this product as recommended, a resistant strain of the fungus may be present. If treatment is ineffective due to the presence of a benomyl resistant strain, then neither this product nor any other benzimidazole or thiophanate type fungicide will effectively control that disease; consideration should be given to prompt use of other types of suitable fungicides.

NOTICE

Seller warrants that the product conforms to the chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk of any such use.

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