



# BENOMYL 50W

## Systemic Fungicide

Provides Curative and Protective Action for Certain Plant Diseases on  
Turf, Vegetables and Fruits as listed

**ACTIVE INGREDIENT:**

BENOMYL (Methyl 1 (butylcarbamoyl)  
2 benzimidazolecarbamate) - - - 50.0%

**INERT INGREDIENTS:-** - - - 50.0%  
TOTAL 100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION - CAUCION**

Precaucion al Usuario: Si usted no lee ingles, no use este producto  
hasta que la etiqueta haya sido explicada ampliamente

**STATEMENT OF PRACTICAL TREATMENT**

In case of contact, flush skin and eyes with plenty of water. Get medical attention.

**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. This product may cause a temporary allergic skin reaction in a few susceptible persons. This condition should be treated as an allergic dermatitis. There is no evidence of after effects or permanent injury.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear: long-sleeved shirt and long pants; waterproof gloves; and shoes plus socks and a Dust/Mist filtering respirator (MSHA/NIOSH) approval number prefix TC-21C). 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.

**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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**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.

SEE SIDEBACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA REG. NO. 769-874 NET WEIGHT 2 OUNCES (4.8 oz.; 2.5 lb.) EPA EST. NO. 769-GA-1  
SUNCO, INC. 10012 Dade Mabry - Suite 221 - Tampa, FL 33618

**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 requirement 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 24 hours. PPE required for entry into 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, includes: coveralls, waterproof gloves and shoes and socks.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Do not allow entry by unprotected persons, children, livestock or pets to treated areas until sprays have dried.

**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 high watermark. Drift and runoff from treated areas may be hazardous to fish in adjacent areas. Do not contaminate water when disposing of equipment washwaters.

**CHEMICAL NAME**

Keep away from fire or sparks. Do not become wet during storage. This may lead to certain chemical changes which will reduce the effectiveness of as a fungicide. Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

Store this product in a tightly closed, original container in a safe place away from children and domestic animals. Do not allow material to become wet during storage. Do not contaminate water, food or feed by storage or disposal. Do not reuse empty container. For disposal securely wrap original container in several layers of newspaper and discard in trash or at an approved waste disposal facility.

**DIRECTIONS (Cont.)** Benomyl 50W is recommended for certain diseases of turf and vegetables. It is highly effective for the control of many fungus diseases, providing both curative (eradicator) action and protective action. Benomyl 50W is a wettable powder to be mixed with water for application as a spray. Add recommended amount of fungicide to half-filled sprayer tank and agitate. Then add balance of water. Agitate mixture while spraying to assure uniformity. Disease pressure increases in crops when plant surfaces are wet and temperatures are warm. Under these conditions diseases can be very severe in 1 to 2 weeks. Under these conditions, use the highest recommended rate and spray at the most frequent interval recommended. Use of Science Spreader Sticker will help to adhere Benomyl 50W to the leaf surfaces and is beneficial under these conditions.

**1 OUNCE OF THIS PRODUCT IS EQUIVALENT TO 6 LEVEL TABLESPOONFULS.**

**TURF**

Add the following amounts found in the chart below to 2 to 5 gals. of water to cover 1000 sq.ft. of turf.

**TREAT AT THE FOLLOWING RATES**

Disease	Oz's. of Benomyl 50W to use per 1,000 sq.ft.
<b>DOLLAR SPOT</b> (Sclerotinia homocarpa)	1 Oz.
<b>LARGE BROWN PATCH</b> (Rhizoctonia solani)	2 Oz.
<b>FUSARIUM PATCH</b> (Fusarium nivale)	2 Oz.
<b>FUSARIUM BLIGHT</b> (Fusarium roseum) & (Fusarium tricinctum)	5 to 8 Oz

Use the lower rate as a protective spray and the higher rate as curative. Start treatments when the disease is anticipated or as first damage occurs. Repeat at 10 to 14 day intervals for as long as necessary. When conditions are unusually favorable for development of disease, reduce interval to 5 to 7 days. Do not graze or feed clippings from treated area to livestock.

**CUCUMBERS, MELONS, SUMMER AND WINTER SQUASH**

Gummy Stem Blight and Powdery Mildew, Anthracnose apply 4 to 8 ounces per acre (1/2 to 1 level teaspoonful in 5 gallons water applied to 1,000 sq.ft.) Begin applications when plants begin to run or when disease first appears and repeat at 7 to 14 day intervals as needed. Under conditions of severe disease pressure, use the higher rate and apply at 7 day intervals or as needed.

**BEANS (SNAP)**

White Rot (Sclerotinia); Gray Mold (Botrytis); Apply 1 1/2 to 2 pounds per acre (2 1/2 to 5 tablespoons in 5 gallons water applied to 1,000 sq.ft.) at 25% to 50% bloom; repeat at peak bloom. Do not apply within 14 days of harvest. Do not graze or feed treated bean vines or hay to livestock.

**BLUEBERRIES**

Apply 1 pound 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-up and repeat at 7 to 10 day 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.

**CANE BERRIES, RASPBERRIES, BLACKBERRIES, BOYSENBERRIES, LOGANBERRIES, DEWBERRIES:**

Botrytis, Powdery Mildew, Penicillium Rots - Apply 1/4 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 day of harvest.

**CELERY**

Early Blight (Cercospora) Late Blight (Septoria) - Apply 1/4 to 1/2 lb. per acre. Begin when disease first appears and repeat at 7 to 10 day intervals. Do not apply within 7 days of harvest.

**MANGOES**

Anthracnose - Apply 1 to 2 lbs. per acre. Begin application at first appearance of panicles (approx. 2 inches long) and repeat at weekly intervals until all fruit are set. Continue at 3 to 4 week intervals. Do not apply within 14 day of harvest.

**MUSHROOMS**

Verticillium Spot (Dry Bubble) - Use 1 lb. per 100 gals. and apply to bed surfaces at the rate of 12 1/2 gals. per 1,000 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 day of harvest.

**STONE FRUITS**

For the Control of Certain Diseases of Stone Fruits. This product is recommended for use on:

**PEACHES, NECTARINES, APRICOTS, CHERRIES, PRUNES AND PLUMS**

For the control of Brown Rot Blossom Blight, Fruit Brown Rot, Peach Scab, Powdery Mildew, Cherry Leaf Spot and Post-Harvest Fruit Rots, apply this product by using sufficient volume of spray to provide thorough coverage. Apply at the following rates:

**BROWN ROT BLOSSOM BLIGHT, FRUIT BROWN ROT:** Apply 1 level tablespoonful per gallon of water (in combination with dormant oil) as a delayed dormant treatment prior to bud break. Use 1 level tablespoonful per 2 gallons 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 level tablespoonful per 2 gallons of water.

**PEACH SCAB:** Use same schedule as for Brown Rot, plus applications of 1 level tablespoonful per 2 gallons water at shuck split and shuck fall. (Two Sprays)  
**POWDERY MILDEW:** Use same schedule as for Brown Rot, plus one application of 1 level tablespoonful per gallon 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 level tablespoonful per 2 gallons water 2 to 3 weeks after harvest.

**TOMATOES**

Field Grown: Gray Mold (Botrytis), Leaf Mold (Cladosporium), White Mold (Sclerotinia) Cercospora Leaf Spot, Phoma Leaf Spot - For field tomatoes, apply 1/2 to 1 lb. per acre. Begin applications when disease first appears and repeat at 7 to 10 day intervals as needed.

**IMPORTANT**

Resistant Fungus Strains May Be Present

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 other benzimidazole or thiophanate type fungicides will effectively control that disease. Consideration should be given to prompt use of other types of suitable fungicides.

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

**NOTICE:** This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller and the buyer assumes the risk of any such use. (769-874-PMS) Delete Add/Use/WPS Vers 05-18-96 EPA Accep'd 07-26-96/EPA corr'd. Copy & Fink/b07-31-96.

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**ACCEPTED**

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide

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