



# MilStop®

## Broad Spectrum Foliar Fungicide

FOR ORGANIC PRODUCTION

A FUNGICIDE FOR THE CONTROL OF POWDERY MILDEW AND OTHER DISEASES ON TERRESTRIAL AND INDOOR ORNAMENTAL PLANTS, GREENHOUSE AND AGRICULTURAL CROPS.

5 Pounds can treat up to 1 acre at the recommended maximum treatment rate.

**ACTIVE INGREDIENT:**

Potassium bicarbonate ..... 85.00%

**OTHER INGREDIENTS:**..... 15.00%

**TOTAL:** ..... 100.00%

EPA Reg. No. 70870-1-68539 EPA Est. No. 67187-NY-01

Net weight: 5 lbs. (2.27 kg), 25 lbs. (11.35 kg) Batch code: \_\_\_\_\_

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing.

**FIRST AID**

If swallowed:	<ul style="list-style-type: none"> <li>• Call 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</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
If in eyes:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.</li> <li>• 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>

**HOT LINE NUMBER**

Have a product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center (NPIC) at 1-800-858-7378 between the hours of 6:30 a.m. to 4:30 p.m. Pacific Time, seven days a week for emergency medical treatment information.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear: Long-sleeved shirt and long pants and shoes plus socks. Follow manufacturer's instructions for cleaning and 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 outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

For terrestrial uses, 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 cleaning equipment or disposing of equipment washwaters and rinsate.

**DIRECTIONS FOR USE:** It is a violation of Federal Law to use this product in a manner inconsistent with it's 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 requirement specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation. Do not apply this product through any type of irrigation system.

**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.

There is a restricted entry of one (1) hour for this product.

PPE requirement 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 over short sleeved shirt and short pants, waterproof gloves and shoes plus socks.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product 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. Keep unprotected persons out of treated areas until sprays have dried.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in original container in a cool, dry place. Prevent exposure to moisture. Keep container tightly closed and out of reach of children. Avoid contamination with other pesticides or fertilizers.

**PESTICIDE SPILL PROCEDURE:** In case of a spill, carefully sweep up the material to avoid generating dust. Store in a labeled container for disposal.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** (For pails with liner) Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Offer liner for recycling, if available, or dispose of in a sanitary landfill or by incineration. If pail is contaminated, triple rinse promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container ¼ full of water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(For plastic bags) Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances. If burned, stay out of smoke.

**GENERAL INFORMATION:** MilStop is a broad spectrum, contact foliar fungicide that controls a variety of diseases on terrestrial and indoor woody and herbaceous ornamental plants, and on greenhouse, nursery, agricultural crops, and on turf. MilStop is applied using a sufficient volume of water to insure complete coverage of all stems and foliage.

**NOTICE TO USER:** Due to variability within species and in application techniques and equipment, and possible tank mix combinations, neither the manufacturer nor the seller has determined whether MilStop can be safely used on all varieties and species of ornamentals, greenhouse, and agricultural plants under all conditions. Therefore, the professional user should determine if MilStop can be used safely before broad usage by applying the prescribed use rate under the conditions expected to be encountered to a small test area. Any adverse effects should be visible within 14 days. For curative disease control on sensitive crops apply at a rate of 2.5 pounds of MilStop per 100 gallons of water per week and increase the rate each week in 0.25 pound increments. Do not exceed a use rate of 5.0 pounds per acre per application.

**IMPORTANT:** Read the entire label before using MilStop. Consult your State Agricultural Experiment Station or Extension Service Specialist for additional information on timing of applications, rates, and any additional requirements or restrictions.

**MIXING INSTRUCTIONS:** MilStop must be diluted with water before applying. Carefully measure and mix the product and water. Fill tank with 1/2 to 3/4 of the selected volume of water prior to the addition of MilStop. Start mechanical or hydraulic agitation. Slowly add the required amount of MilStop to the tank. Continue to fill the tank with water to the desired volume while agitating to promote uniform distribution and prevent settling.

**DO NOT MIX WITH OTHER SOLUBLE PESTICIDES OR FERTILIZERS NOT COMPATIBLE WITH MILD ALKALINE SOLUTIONS. THE ADDITION OF SURFACTANT OR WETTING AGENT TO SPRAY IS NOT REQUIRED. PRODUCT IS PRE-FORMULATED WITH THESE PRODUCTS FOR BEST PERFORMANCE. DO NOT ADJUST SPRAY SOLUTION pH AFTER MIXING OF PRODUCT. ACIDIFICATION OF SOLUTION WILL CAUSE REDUCED PRODUCT PERFORMANCE.**

**SPRAY APPLICATION METHOD:** Do not apply this product through any type of irrigation system. Do not apply directly to soil as a directed spray or drench. For best results, use a properly calibrated sprayer or similar equipment, and check equipment calibration frequently.

**CLEANING SPRAY EQUIPMENT:** Clean application equipment thoroughly using a detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying this product.

**FIELD APPLICATION:** Apply at a rate of 2.0 to 5.0 pounds of per acre. Use a sufficient volume of spray solution to obtain complete coverage of foliage and stems. Uniform and complete coverage of the foliage is essential for the most effective results. Spray volume per acre of treatment can vary depending upon plant type and stage of development. Concentration of spray solution and frequency of application will depend upon disease pressure. Do not exceed a use rate of 5.0 pounds of MilStop per acre, per application. Do not store unused spray solution. Dispose of unused solution on site.

**GREENHOUSE APPLICATION:** Apply at a rate of 1.25 to 5.0 pounds of MilStop per 100 gallons of water. Use a sufficient volume of spray solution to obtain complete coverage of foliage and stems. Uniform and complete coverage of the foliage is essential for the most effective results. Spray volume per unit of treated area can vary depending upon plant type and stage of development. Concentration of spray solution and frequency of application will depend upon disease pressure. Do not exceed a use rate of 0.5 pounds of MilStop per 4350 sq. ft. or 1.15 pounds per 10,000 sq. ft., per application. Do not store unused spray solution. Dispose of unused solution on site.

See special instructions for use on poinsettia, impatiens and pansy.

**Small Volume Application Chart:** Use the chart below to determine MilStop quantities for small area applications. Adjust to desired concentration for low disease pressure or as a curative treatment.

Chart Treatment Rate: 2.5 lbs. per 100 gallons

Amount of MilStop	Amount of Water	Square feet treated
1 Tbsp	1 gallon	500
2 Tbsp	2 gallons	1,000
4 Tbsp	4 gallons	2,000
1/8 cup	2 gallons	1,000
1/4 cup	4 gallons	2,000
1/2 cup	8 gallons	4,000
1 oz. (28 grams)	2.5 gallons	1,100
2 oz. (57 grams)	5 gallons	2,200
4 oz. (113 grams)	10 gallons	4,400

**ELECTROSTATIC SPRAYERS:** Apply at a rate of 0.625 pounds (10 ounces) to 1.125 pounds (18 ounces) per 2 gallons of water per 10,000 sq. ft. Do not exceed a rate of 1.5 pounds (24 ounces) per 2 gallons of water.

**THERMAL FOGGERS:** Apply at a rate of 0.38 pounds (6 ounces) to 0.75 pounds (12 ounces) per 1 gallon of water per 10,000 sq. ft. Use the 0.38 pounds (6 ounces) per 1 gallon of water rate for plants that are in flower. Do not exceed 0.75 pounds (12 ounces) per 1 gallon of water..

**APPLICATION TIMING:** Start application at first sign of disease. For best protection, repeat at one to two week intervals until conditions are no longer favorable for disease development. Shorten the interval during rainy weather or during periods of high relative humidity. For appropriate crops, apply MilStop as a post-harvest treatment to remaining foliage to decrease overwintering inoculum.

**PREHARVEST INTERVAL:** MilStop can be applied up to and including the day of harvest.

**ORNAMENTAL APPLICATIONS:** MilStop is for use in the following use sites: Greenhouse, Lathhouse, Shadehouse, Commercial and Residential Landscapes, Interiorscapes, Nursery, Container Production and Field Applications.

**ORNAMENTAL PLANT TYPES:** MilStop is for use on the following plant types: Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, Woody and Ornamental Shade Trees, Woody and Herbaceous Ornamentals, and Ornamental Nut and Fruit Trees.

**FOR USE ON:** Ageratum, Ajuga, Almond-Ornamental, Alyssum, Andromeda, Aphelandra, Apple-Ornamental, Apricot-Ornamental, Artemisia, Aster, Azalea, Begonia<sup>1</sup>, Boxwood, Calendula, Carnation, Centaurea montana, Cherry-Ornamental, Chrysanthemum, Cineraria, Citrus, Coleus, Columbine, Coral Bells (Heuchera), Clematis<sup>1</sup>, Crabapple-Ornamental<sup>1</sup>, Crape Myrtle, Crassula, Croton, Daylily<sup>1</sup>, Delphinium, Dianthus, Dizygotheca, Dogwood, English Ivy, Episcia, Euonymus, Fern, Fir<sup>1</sup>, Forsythia, Gazania, Geranium, Gerbera daisy<sup>1</sup>, Ginseng<sup>1</sup>, Gladiolas, Gloxinia, Gypsophila, Hawthorn, Heliopsis scabra, Hibiscus, Holly, Hoya, Hydrangea, Impatiens\*, India hawthorn<sup>1</sup>, Iris, Juniper, Kalanchoe, Lavender, Lemon balm, Lilac<sup>1</sup>, Lipstick balm, Lipstick Vine (Aeschynanthus), Marigold, Monarda (Bee balm), Nectarine-Ornamental, Pachysandra, Palm, Pansy\*, Peach-Ornamental, Peony<sup>1</sup>, Peperomia, Periwinkle, Philodendron, Phlox, Photinia, Pilea, Pine, Pittosporum, Plum-Ornamental, Poinsettia\*, Poppy, Pothos, Primrose, Privet, Protea, Prune-Ornamental, Pulmonaria, Pyracantha, Rhododendron, Rose, Rose-of-Sharon, Schefflera, Snapdragon, Spruce<sup>1</sup>, Statice, Tree Ivy, Verbena, Viburnum, Violet, Zinnia.

<sup>1</sup>Not For Use In California

**DISEASES CONTROLLED:** Alternaria blight, Anthracnose, Blackspot, Botrytis blight, Botrytis gray mold, Cercospora leaf spot, Corynespora leaf spot, Downy mildew<sup>1</sup>, Monilinia fruit and blossom rot<sup>1</sup>, Penicillium spp.<sup>1</sup>, Phomopsis blight, Powdery mildew, Rust<sup>1</sup>, Scab, Septoria leaf spot.

<sup>1</sup>Not For Use In California

**\*SPECIAL INSTRUCTIONS:** Poinsettia: For control of intense powdery mildew, apply weekly at a rate of 0.25 pounds per 4350 sq. ft. or 1/10 acre during vegetative growth prior to bract formation, and apply every 14 days at 0.5 pounds per 4350 sq. ft. thereafter. A rate of 0.5 pounds per 4350 sq. ft applied weekly during vegetative growth has the potential to cause marginal burn to newly developing leaves, but does not injure developing bracts when applied biweekly.

Impatiens: For New Guinea impatiens, apply at a rate of 0.25 pounds per 4350 sq. ft. or 1/10 acre during vegetative growth; discontinue spraying when blossom buds are visible.

Pansy: Do not use on pansies at early stages of growth.

**AGRICULTURAL APPLICATIONS:** MilStop is for use in the following use sites: Greenhouse, Orchard, Nursery and Field Applications.

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**FOR USE ON:** Acorn squash, Almonds, Apples, Apricots, Alfalfa, Avocado, Barley, Basil, Blueberries, Broccoli, Cabbage, Caneberries, Cantaloupe, Cauliflower, Celery<sup>1</sup>, Cherries, Chicory, Citrus, Crabapple<sup>1</sup>, Crenshaw melon, Cucumber, Dry beans, Dry Onion<sup>1</sup>, Eggplant, Endive, Escarole, Grapes, Green Onion<sup>1</sup>, Honeydew, Hops, Kale, Lettuce, Lima bean, Mango, Muskmelon, Mustard greens, Okra, Onion<sup>1</sup>, Oregano, Peaches, Pears, Peas, Pecans, Peppers, Pistachio, Plums, Potatoes, Prunes, Pumpkin, Radicchio, Rosemary, Sage, Scallion<sup>1</sup>, Snap beans, Snow peas, Soybeans, Spinach, Strawberries, Sugar beets, Summer squash, Sweet potatoes, Thyme, Tobacco<sup>1</sup>, Tomatoes, Turnip, Walnut, Watermelon, Wheat, Winter squash, Zucchini. <sup>1</sup>Not For Use In California

<p><b>DISEASES CONTROLLED:</b> Alternaria leaf spot, Anthracnose, Botrytis, Cercospora leaf spot<sup>1</sup>, Downy mildew, Fly speck<sup>1</sup>, Monilinia fruit and blossom rot<sup>1</sup>, Penicillium spp.<sup>1</sup>, Phomopsis blight<sup>1</sup>, Powdery mildew, Septoria leaf spot<sup>1</sup>. <sup>1</sup>Not For Use In California</p>
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**NOTICE:** Buyer assumes all responsibility for safety if use is not in accordance with label instructions.

**IMPORTANT NOTICE: DISCLAIMER AND LIMITATIONS OF LIABILITY:**

This product has been researched to provide necessary data to support its use on the ornamental and agricultural plants listed on the label. However, it is understood that tests may not have been carried out on all varieties or cultivars and under all growing conditions on all plants listed on the label. Always follow the label directions. Exercise care when using this product on a given variety until familiar with the results under your growing conditions.

**NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE.** To the extent allowable by state law the exclusive remedy of the user or Buyer, and the limit of liability of BioWorks, Inc. or any other Seller, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and all users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing, signed by a duly authorized representative of BioWorks, Inc.

*Manufactured in the USA for:*



**BioWorks, Inc.**

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