



# MilStop®

## Water Soluble Broad Spectrum Foliar Fungicide

Choose MilStop for curative control of powdery mildews and preventative control of most other foliar diseases. MilStop is an EPA-registered, potassium bicarbonate-based foliar fungicide that kills powdery mildew on contact by pulling water from spores and their growing strands. It also inhibits enzymes involved in fungal cell wall formation by altering the pH on the leaf surface. There is no known resistance to MilStop; an excellent disease management tool as a standalone fungicide for foliar disease control or alternated as part of an integrated pest management program.

### Prevention is the best medicine:

- Use at or before the first sign of disease
- Effective on interiorscape, greenhouse, nursery, woody, herb and field crops
- Fully dissolves in water; no residue, dries quick, dries clean
- Cost effective; comes pre-formulated with surfactants
- University tested and proven to be effective
- 1 – hour REI; OMRI Listed and is compatible with many beneficial insects
- Active ingredient approved by the FDA as G.R.A.S. (Generally Regarded As Safe)
- Kills powdery mildew on contact and provides 1 to 2 weeks of residual protection
- Does not restrict plant growth

### Diseases Controlled:

Will cure and prevent powdery mildew; will prevent Alternaria blight, Anthracnose, black spot, Botrytis blight, Cercospora leaf spot, downy mildew, Phomopsis blight, and Septoria leaf spot.



Electron Micrograph shows the CONTACT-KILL effects of MilStop on powdery mildew spores within minutes of application. The mildew spore on the left is not treated with MilStop; it is healthy and sending out an infectious tube. The two mildew spores on the right are treated with MilStop. MilStop causes rapid water loss from the spores making them look like raisins compared to the healthy mildew spore that looks like a grape.

*(Photo courtesy of Dr. Ken Horst, Cornell Univ.)*



# BioWorks®

How You Grow Matters™

To find out more about the BioWorks family of products, please contact us at 800-877-9443 or visit [www.bioworksinc.com](http://www.bioworksinc.com).

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### MilStop Foliar Application:

MilStop is available in 5 or 25 lb. containers and has no special storage conditions. To prevent foliar fungal disease, apply at 2.5 lbs./acre every two weeks until conditions are no longer favorable for disease development. Shorten the interval during rainy weather or during periods of high relative humidity. To cure powdery mildew, apply up to the maximum rate (5 lbs./acre) every week for three weeks.

Uniform and complete coverage using a properly calibrated sprayer (checking the calibration frequently) is essential for the best results. No need to add a surfactant, it is already in the formulation.

- Do not acidify water. Do not add a buffer agent to spray tank mixture. (MilStop has an approximate pH of 8.0)
- MilStop is formulated with surfactants. Do not add an extra surfactant when dissolving MilStop.
- Never apply more than 5 lbs. per acre per week.
- MilStop is a contact eradicant, good coverage is crucial for performance.
- Do not apply during the hottest part of the day.
- Use caution with open blooms. Test on a small scale prior to spraying the entire crop.
- MilStop applications can also be made with low volume equipment such as electrostatic sprayers and foggers. See the MilStop label for rates and recommendations.

### Ornamental Applications

MilStop is for use in the following 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. See the label for the complete list of ornamental plants.

### Agricultural Applications

MilStop is for use in the following sites: Greenhouse, Orchard, Nursery and Field Applications. For the complete list of agricultural plants, see the MilStop label.

### Small Volume Spray Mixing Chart Based On 2.5 lbs. per acre

For low disease pressure or preventative treatment

Amount of MilStop	Amount of Water	Sq. Ft. Treated
1 level tbsp. 2 level tbsp. 4 level tbsp.	1 gal. 2 gals. 4 gals.	500 1000 2000
1/8 cup 1/4 cup 1/2 cup	2 gals. 4 gals. 8 gals.	1000 2000 4000
1 oz. (28 grams) 2 ozs. (57 grams) 4 ozs. (113 grams)	2 1/2 gals. 5 gals. 10 gals.	1100 2200 4400

*tbsp = tablespoon*

*Note: Based on 100 gallons per acre spray rates. If different spray rates are used, adjust amount of water used.*

*If additional disease control is needed, increase the application rate in the second week to 1.25 tbsp. per gallon of water. Continue increasing the weekly application rate in 0.25 tbsp. per gallon increments until desired disease control is obtained. Do not exceed 2.0 tbsp. per gallon of water per week (equivalent to 5 lbs. per acre per week.)*



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Please refer to product labels for complete application details. Additional technical information is available from either our website: [www.bioworksinc.com](http://www.bioworksinc.com), or your BioWorks sales representative. Always read and follow label directions.

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