



# TECHNICAL BULLETIN: BOTRYSTOP® WP USE IN LOW VOLUME APPLICATORS

Based on the naturally occurring non-pathogenic saprophytic fungus, *Ulocladium oudemansii* Strain U3, BotryStop WP can be used both in hydraulic and low volume applicators on greenhouse crops, other ornamental plants, and vegetables, fruits and nuts, etc. It is a biofungicide targeting the fungal pathogens *Botrytis* spp., *Monilinia* spp., and *Sclerotinia sclerotiorum*. BotryStop WP applications should begin prior to expected disease incidence. Use an application volume adequate to ensure complete coverage of the leaves and stems of the plants. Applications should be continued every 7-10 days during periods of disease pressure.



## KEY FEATURES:

- + Control as good as a full-season chemical program can be achieved with a BotryStop program
- + 4-hour REI, 0-day PHI, OMRI Listed
- + Wettable Powder Formulation does not require refrigeration
- + Excellent tool for resistance management
- + Tank-mix compatible with some fungicides and insecticides (limit of one added pesticide tank mix partner)\*
- + Exempt from residue tolerance
- + Excellent for sustainability or IPM programs

\*Refer to BioWorks Product Compatibility Tool at [bioworksinc.com](http://bioworksinc.com).

## WHEN USING ULTRA LOW VOLUME APPLICATORS (FOGGERS),

### OBSERVE THE FOLLOWING:

- + Use only in true cold fogging equipment. Do not use BotryStop WP through any type of thermal fogger
- + Low volume sprayers have a high degree of efficiency in coverage of leaf and stem surfaces. Thoroughly cover the plant surfaces but note that spray deposition may not be visible after application
- + When using a low volume sprayer, first determine the proper application volume by spraying the material in a small area. Test the application on a few plants to assure proper coverage
- + Follow equipment manufacturer instructions carefully
- + Properly calibrate the equipment regularly
- + Ensure that nozzles are clean and not worn so that correct droplet size is applied. Smaller droplets are more desirable in a fogging situation
- + Ensure that all the material is well mixed so application will be uniform throughout



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### WHEN USING ULTRA LOW VOLUME APPLICATORS (FOGGERS),

### OBSERVE THE FOLLOWING: (CONTINUED)

- + Use the maximum amount of water that a given machine allows to help ensure material is completely mixed
- + Consider using a carrier solution appropriate to the type of fogger equipment. This will improve atomization and cause fewer large droplets to fall out in front of the fogger thus providing more uniform coverage. For Dramm AutoFOG™ equipment, the NutriFog™ carrier is compatible with BotryStop WP.

\*Refer to BioWorks Product Compatibility Tool at [bioworksinc.com](http://bioworksinc.com).

- + With most LVM equipment, keep nozzle output from directly contacting the plants. Nozzles should not be aimed directly at crop
- + Unlike hydraulic or low volume mist spraying, there should be no visible evidence (leaf wetness) of the application on the plant foliage

#### BOTRYSTOP LOW VOLUME APPLICATOR RATES: AUTO-FOG™, COLDFOGGER™

HYDRAULIC RATE/100 GAL <sup>1</sup>	RATE/10,000 SQ FT <sup>2</sup>	MINIMUM AMT. OF SOLUTION AUTO-FOG	MINIMUM AMT. OF SOLUTION COLDFOGGER <sup>3</sup>
2 lb	7.4 oz	4 liters	10 liters
3 lb	11.0 oz	5 liters	10 liters
4 lb	14.7 oz	8 liters	10 liters

<sup>1</sup> Hydraulic sprayer rate per acre

<sup>2</sup> Rate is based on rate per acre factored down for 10,000 sq ft

<sup>3</sup> More solution may be used. Solution includes carrier + water. We do not recommend going below the amounts stated above. Please refer to Dramm User's Manuals for complete equipment operating instructions.

#### NOTES:

- + Mixing Guidelines:
  - + It is essential to thoroughly pre-mix BotryStop WP with water in a separate container to ensure full suspension of BotryStop WP. Pour into partially filled tank with agitator running
  - + Add carrier if desired/required
  - + Fill tank with remaining water

Refer to product labels for complete application details. Additional technical information is available at [bioworksinc.com](http://bioworksinc.com) or from your BioWorks technical sales representative. BotryStop® WP is a trademark of BioWorks, Inc. Always read and follow label directions.

#### GOING ABOVE AND BEYOND

At BioWorks, we not only help eradicate harmful diseases and pests that threaten your crops, but we design and support integrated plant health management programs. And because we know how quickly some diseases can work, we respond to any questions you might have in just four hours. So you can get back to the business of successful growing.



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