



# BotryStop®

## Biofungicide

### BotryStop is a New Technology in the U.S.

BioWorks is proud to introduce BotryStop to the U.S. With strong data on grapes, strawberries, lettuce and stone fruit, BotryStop fits into the safe, effective, proven product portfolio for which BioWorks is known.

### BotryStop is OMRI Listed

BotryStop is ideal for organic and conventional IPM programs, alike. It is an excellent tool for resistance management, is exempt from residue tolerances, and has a 4-hour REI and a 0-day PHI.

### BotryStop controls Botrytis and Sclerotinia

BotryStop acts as a biological control agent by competing for the same ecological niche as plant pathogens. It is also a true antagonist that aggressively out-competes pathogens for the nutrients in dead and senescing plant tissue.



Size: 12 lb

BotryStop can be applied to a wide variety of field, greenhouse and high-tunnel grown trees, vegetables\*, grapes and other small fruits. It can also be applied to ornamentals in greenhouses and nurseries.



**BioWorks®**

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How You Grow Matters™



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## Biofungicide

BotryStop is an effective biological fungicide developed specifically for the control of pathogens such as *Botrytis cinerea*, *Sclerotinia sclerotiorum* and *Monilinia* spp. It is based on the naturally occurring non-pathogenic saprophytic fungus *Ulocladium oudemansii* Strain U3 and provides protection to blossoms, fruit and plant tissue.

### BotryStop Benefits

- Water-dispersible granular formulation
- Excellent tool for resistance management
- Tank-mix compatible with some chemical inputs
- Control as good as a full-season chemical program can be achieved with a BotryStop program
- OMRI Listed for organic production
- Exempt from residue tolerance
- 4-hour REI, 0-day PHI

### Application

BotryStop can be applied to a wide variety of field, greenhouse and high-tunnel grown trees, vegetables\*, grapes and other small fruits. It can also be applied to ornamentals in greenhouses and nurseries. It is currently labeled for the following pathogens:

- Gray mold (*Botrytis cinerea*)
- Botrytis Blight (*Botrytis* spp.)
- Botrytis Leaf Blight (*B. cinerea*, *B. squamosa*\*)
- Botrytis Neck Rot
- Brown Rot, Blossom Blight, Mummy Berry (*Monilinia* spp.)
- Jacket Rot, Green Fruit Rot (*Botrytis cinerea*, *Monilinia* spp., *Sclerotinia sclerotiorum*)
- Sclerotinia Head and Leaf Drop\*
- Sclerotinia Stem Rot
- Fire Blight (*Erwinia amylovora*\*)

\*Not labeled for use in California

### Unique Active Ingredient

BotryStop utilizes the fungus, *Ulocladium oudemansii* Strain U3, a new active ingredient unique to North America. When BotryStop spores are deposited on the dead and senescent plant debris they germinate and colonize. The developing mycelia proceed to colonize dead tissue and additional sporulation can occur. These new spores are then available to colonize remaining plant debris. BotryStop aggressively occupies the same physical space and out-competes pathogens for the nutrients in dead and senescing plant tissue.

### Application Considerations

- **DO NOT FREEZE. Product must be stored refrigerated**
- BotryStop is a preventative biofungicide that must be applied when disease pressure is low before pathogens infect
- Application rate range is 2 - 4 lb/acre. Most common rate is 3 lb/acre
- Use sufficient water volume to provide complete coverage and wetting of plant parts
- A non-ionic surfactant or spreader sticker must be used when making applications. Use of organosilicone surfactants is beneficial when spraying low water volumes (below 35 gal/acre). Do not use organosilicone surfactants that claim to be “penetrants” or “stomatal flooders or infiltrators”
- Ensure constant agitation throughout the loading, mixing, and application operations
- Multiple applications may be needed depending on crop and disease pressure



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