BioWorks®

BotryStop™

Biofungicide

ACTIVE INGREDIENT:

Ulocladium oudemansii (U3 Strain)* 45.00%
OTHER INGREDIENTS: 55.00%
TOTAL: 100.00%

*Contains not less than 8 X 10^7 cfu/gram

KEEP OUT OF REACH OF CHILDREN

CAUTION

First Aid

If inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
If in eyes:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

Have a product label or container with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals - CAUTION. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing dust or spray mist. Wear safety glasses or goggles. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Mixer/loaders and applicators, not in enclosed cabs, must wear a NIOSH approved particulate respirator with any R or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with an HE filter with NIOSH approval number prefix TC-21C. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow the manufacturer's instructions for cleaning / maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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.

Distributed by: BioWorks, Inc.
100 Rawson Road, Suite 205
Victor, NY 14564

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 highwater mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. 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.

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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

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, waterproof gloves and shoes plus socks.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place at or below 68°F (20°C). Store in original container only. Keep container tightly closed when not in use.

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

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. 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.

See back panel for additional precautionary statements and directions for use.

Net Weight: 12 lbs. (5.4 kg)

EPA Reg. No.: 75747-2-68539
EPA Establishment No.: 075747-NZL-001
Use By:
Batch No. /
Lot No.:

8 52109 00389 1

S-0626.1 011102017

USE RESTRICTIONS

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

PRODUCT INFORMATION

BotryStop is a biological control agent developed specifically for the control of *Botrytis cinerea*, *Sclerotinia sclerotiorum* and other organisms listed in the Application Rates section in this label. BotryStop is a live spore preparation of a non-pathogenic saprophytic fungus. BotryStop acts as a biological control agent by competing for the same ecological niche as the plant pathogens *Botrytis cinerea*,*Sclerotinia sclerotiorum* and other organisms listed in the Application Rates section in this label. When BotryStop spores are deposited on the dead and senescent plant debris they germinate and colonize. The developed mycelium will proceed to colonize the dead tissue and additional sporulation can occur and these new spores are then available to colonize remaining debris. BotryStop aggressively occupies the same physical space and out competes *Botrytis* spp. and *Sclerotinia* spp. for the nutrients in the dead and senescing plant tissue; it is a true antagonist. BotryStop is non-invasive and causes no damage to live plant tissue. With this mechanism of action, it is highly unlikely that resistance to BotryStop will develop.

(INTEGRATED PEST MANAGEMENT

Integrating BotryStop into an overall pest management strategy and following best management practices (or practices known to reduce disease development) makes it less likely that disease will be established. Specific IPM strategies developed for your crop and location may be available from the Extension Service or other local agricultural authorities.)

MIXING AND APPLICATION INSTRUCTIONS:

MIXING: Dilute BotryStop with water and apply in conventional spray equipment. Partially fill the spray tank with clean water and begin agitation. Add the specified amount of BotryStop to the tank. Finish filling the tank to the desired volume to obtain the proper spray concentration. Add a surfactant or a non-ionic adjuvant to improve product wetting/ spreading. Maintain agitation continuously while spraying. Use spray mixture immediately. Do not allow spray mixture to stand overnight or for prolonged periods.

APPLICATION: Apply BotryStop using conventional spray equipment to the point of saturation. Good coverage and wetting is required. The amount of spray solution to apply will vary depending on the type of crop. Most row crops will require up to 100 gallons of spray per acre. Apply in sufficient water to achieve thorough coverage.

COMPATIBILITY: BotryStop may be tank mixed with some fungicides. Do not tank mix BotryStop with more than one product. Consult specific product labels for additional information or restrictions concerning tank mixing. Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures. It is always advisable to conduct a spray compatibility test when you plan to mix this product with another product. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry formulations first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the spray tank. BotryStop has been evaluated for phytotoxicity on a variety of crops under various normal growing conditions. However, testing all crop varieties, in all mixtures and combinations is not feasible. Prior to treating entire crop, test a small portion of the crop for sensitivity.

Crop	Disease	Lbs Product /Acre	Notes
Grapes	Gray Mold *(Botrytis cinerea)*	2-4	Apply at early and late bloom, then again when the berries are pea sized, and finally at pre-bunch closure. Spray onto vines ensuring the bunch zone is well covered.
Stone Fruits, including; Apricot, Cherry (sweet and tart), Nectarine, Peach, Plum, Plumcot, Prune (fresh)	Brown Rot Blossom Blight *(Monilinia spp.),* Jacket Rot, Green Fruit Rot *(Botrytis cinerea, Monilinia spp., Sclerotinia sclerotiorum)*	2-4	Apply at early and late bloom. For extended bloom periods, apply on a 7-10 day interval.
Berries and Small Fruits, including (except for Grapes, Kiwifruit, and Strawberry): Blackberry, Blueberry, Bushberry, Caneberry, Cranberry, Currants, Elderberry, Gooseberry, Huckleberry, Loganberry, Raspberry	*Botrytis Blight, *Mummy Berry (Monilinia vaccinii-corymbosi)*	2-4	Apply during early bloom and repeat on a 7 to 10 day interval as needed.
Strawberries	Gray Mold *(Botrytis cinerea)*	2-4	Begin application at or before flowering. Repeat on 7 to 10 day intervals or as needed up until harvest.
***Asparagus**	*Botrytis* Blight	2-4	Begin application soon after emergence and when conditions are conducive to disease development**. Repeat on 7 to 10 day intervals or as needed.
***Bulb Vegetables,** Including; Garlic, Leeks, Onions, Shallots	*Botrytis* Leaf Blight, *Botrytis Neck Rot, Botrytis squamosa, Botrytis* spp.	2-4	Begin application when conditions are conducive to disease development**, Repeat on 7 to 10 day intervals as needed.
***Citrus Fruits,** including; Calamondin, Citrus citron, citrus hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin, Orange (sour and sweet), Pummelo, Satsuma mandarin	*Botrytis cinerea*	2-4	Begin application when conditions are conducive to disease development**, Repeat on 7 to 10 day intervals as needed.
***Cucurbit Vegetables,** including; Cucumbers, Melons, Squash, Zucchini	Gray Mold *(Botrytis cinerea)*	2-4	Begin application when conditions are conducive to disease development**, Repeat on 7 to 10 day intervals as needed.
***Fruiting Vegetables**, including; Eggplant, Okra, Pepper, Tomato, Tomatillo	Gray Mold *(Botrytis cinerea)*	2-4	Begin application when conditions are conducive to disease development**, Repeat on 7 to 10 day intervals as needed.
***Kiwifruit**	Gray Mold *(Botrytis cinerea)*, *Sclerotinia sclerotiorum*	2-4	Make applications at 30% and 80% flowering. Do not apply after the bloom period.
***Leafy Vegetables**, including; Broccoli, cabbage, Celery, Collards, Lettuce, Spinach	*Sclerotinia* Head and Leaf Drop, *Sclerotinia* spp., *Botrytis cinerea*	2-4	Begin application when conditions are conducive to disease development**, Repeat on 7 to 10 day intervals as needed.
***Legumes**, succulent and dried, including; Field beans, Lentils, Peas, Peanuts, Soybeans	*Sclerotinia sclerotiorum*, *Sclerotinia* Stem Rot	2-4	Begin application when conditions are conducive to disease development**, Repeat on 7 to 10 day intervals as needed.
***Ornamental Plants, Bedding Plants**	Gray Mold *(Botrytis cinerea)*	2-4	Ornamentals grown in nurseries and greenhouses. Begin application when conditions are conducive to disease development**. Repeat on 7 to 10 day intervals or as needed.
***Passionfruit**	Gray Mold *(Botrytis cinerea), Sclerotinia sclerotiorum*	2-4	Begin application when conditions are conducive to disease development**, Repeat on 7 to 10 day intervals as needed.
***Pome Fruits, including;** Apple, Crabapple, Loquat, Mayhaw Pear, Pear, Oriental Quince	*Erwinia amylovora*	2-4	Apply at early and late bloom. For extended bloom periods, apply on a 7-10 day interval.
***Root, Tuber and Corm Vegetables, including;** Beets, Carrots, Cassava, Ginger, Potato, Radish, Sugar beets, Sweet Potato, Yams	Gray Mold *(Botrytis cinerea)*, *Sclerotinia sclerotiorum*	2-4	Begin application when conditions are conducive to disease development**, Repeat on 7 to 10 day intervals as needed.
***Tree nuts, including;** Almond, Beech nut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (hazelnut), Hickory nut, Macadamia nut, Pecan, Walnut (Black and English)	Brown Rot Blossom Blight (*Monilinia* spp.), Jacket Rot, Green Fruit Rot (*Botrytis cinerea, Monilinia* spp., *Sclerotinia sclerotiorum*)	2-4	Apply at early and late bloom. For extended bloom periods, apply on a 7-10 day interval.

*Not approved for use in California
**See Product Information section for description of when conditions are conducive to disease development