

BotryStop Biological Control Registered

BioWorks recently launched a new biofungicide called BotryStop. It is a living spore preparation of a non-pathogenic (saprophytic) fungus called *Ulocladium oudemansii* (strain U3). It is 100% preventative and actually acts by growing on plant tissues and colonizing the area taking up space that the pathogen would normally invade. This includes flowers, leaves and even dead plant tissue thus helping control disease spread by keeping pathogens like Botrytis from sporulating.



- Product must be stored refrigerated or ideally kept below 68F
 - Do not freeze the product as it will damage the spores
 - Spores begin losing viability after 48 hours at 77F (25C) or above
 - Spores rapidly decline in viability at 86F (30C)
 - Good coverage and wetting is required
 - Make applications as a spray to thoroughly wet plant tissue but avoid runoff (runoff would waste the product)
- add compatibility info from web

Some important notes from the technical sheet are as follows:

- WDG - Water dispersible granule
- 4-hour REI
- 0-day PHI. It is exempt from residue tolerance - this applies to edible crops
- OMRI listed
- Shelf life of the product is 12 months when refrigerated

BotryStop is labeled for the following targets in most states:

- Gray mold (*Botrytis cinerea*)
- Botrytis Blight
- Botrytis Leaf Blight
- Botrytis Neck Rot
- Botrytis squamosa
- Brown Rot, Blossom Blight (*Monilinia*)
- Sclerotinia Head and Leaf Drop
- Sclerotinia Stem Rot
- *Erwinia amylovora* (fireblight)

Disease	Crop	BotryStop lb/100 gal	Efficacy compared to standard	Overall efficacy
Botrytis	Begonia	2, 3 lbs	equal to Cease but lasted longer	very good
Botrytis	Strawberry	3 lbs	equal to chemical standard rotations	very good
Botrytis	Strawberry	2, 4 lbs	4 lb equal to fludioxonil plus cyprodinil	very good
Botrytis	Ginseng	2, 4 lbs	equal to fludioxonil	very good to excellent
Sclerotinia	Lettuce	2, 3 lbs	equal to standard	some to good
Monilinia	Cherry	2, 4 lbs	2 lb better than iprodione	very good to excellent
Monilinia	Almond	2, 4 lbs	4 lb equal to standard	very good to excellent
Monilinia	Almond	2, 3, 4 lbs	4 lb equal to iprodione	very good to excellent
Monilinia	Apricot	2, 3, 4 lbs	all rates better than iprodione	excellent
Rhizopus	Raspberry	2, 3, 4 lbs	2 lb equal to fenhexamid	good

We will be testing it this fall and winter to see how it performs on some of the labeled targets (probably Botrytis blight and fireblight) and a few others (bacterial leaf spots perhaps). Watch for reports in **Chase Digest**.

