



## Product Compatibility

### BotryStop®

All products tested for compatibility and reported in this document have been evaluated for impact on BotryStop, *Ulocladium oudemansii* (U3 Strain), spores and physical compatibility only. Tests were not carried out to evaluate impact on the partner product integrity or for plant phytotoxicity. Compatibility has been tested at normal tank mix dilutions, not in concentrated stock tank mixtures (such as for injecting at 1:100). Physical compatibility can be impacted by your water quality, tank residues or the addition of other materials in the spray tank.

- Limit of one additional pesticide tank mix partner with BotryStop
- Maintain constant agitation in the spray tank
- Acceptable range pH 4-9 for tank suspension
- Make applications of tank mix solutions as soon as possible after mixing and do not store for extended periods or overnight
- The addition of a non-ionic surfactant is recommended (see limitations below)
- Apply as a spray to the point of wetting, ensuring thorough coverage, but not to runoff

For unlisted and untested products, wait 10 days before or after a fungicide application to apply BotryStop. Most insecticides will not harm BotryStop. Contact BioWorks for information regarding specific products.

**Note: Read and follow label directions for all tank mix materials.**

Adjuvants		
Active Ingredient	Brand Name	Compatibility
fatty acids (potassium salts)	Saponel	Yes
modified phthalic glycerol alkyd resin	Latron B-1956	Yes (at 1 oz/100 gal)
organommodified polydimethylsiloxane	Silwet® Eco	Yes
non-ionic organo silicone	Kinetic	Yes
pinene polymers	Nu-Film P®	Yes (use low rate)
polyalkyleneoxide modified heptamethyltrisiloxane	Silwet® L-77	Yes
polyether-polymethylsiloxane-copolymer	Capsil	Yes
siloxane polyalkyleneoxide copolymer and polyalkyleneoxide	Brandt® Organics Ecospreader	Yes
surfactants that <b>do not</b> claim to be “penetrants” or good at “stomatal flooding”	Various non-ionic surfactants	Yes
Yucca Wetting Agent	Various	Yes

NOTE: When using adjuvants use the lowest labeled rate.

Biocides		
Active Ingredient	Brand Name	Compatibility
didecyl dimethyl ammonium chloride	KleenGrow	No
copper sulphate pentahydrate	Phyton	No



BCA's: Biological Control Agents		
Genus, species	Type	Compatibility
<i>Chrysoperla (Chrysopa)</i>	predatory lacewing	OK with adults only
<i>Aphidius colemani</i>	parasitic wasp	OK
<i>Aphidius ervi</i>	parasitic wasp	OK

Fertilizers		
Active Ingredient	Brand Name	Compatibility
10-3-3	NutriFOG	Yes (at 1:7)
5-0-0	<b>ON-Gard®</b>	Yes (at 0.25% v/v)
magnesium sulfate	Epsom Salts	Yes

Fungicides		
Active Ingredient	Brand Name	Compatibility
acibenzolar-S-methyl + cuprous oxide	Nordox 75 WG + Actigard®	Yes (Add BotryStop to the tank last and apply immediately)
acibenzolar-S-methyl	Actigard®	Yes
azoxystrobin	Amistar®, Heritage®, Quadris®, Abound®	<b>No</b>
azoxystrobin and benzobindiflupyr	Mural®	Yes (apply within a 4-hour period)
<i>Bacillus amyloliquefaciens</i> strain F727	Stargus®	<b>No</b> (Apply 7 days apart)
<i>Bacillus mycoides</i> isolate J	LifeGard	<b>No</b>
<i>Bacillus subtilis</i> strain QST 713	<b>CEASE®</b>	<b>No</b> (Apply 7 days apart)
captan	Captan	Yes
chlorothalonil	Bravo®	<b>No</b>
copper hydroxide	Champ®	Yes (Only use with copper at 150 g/100 gallons)
copper octanoate	Cueva Copper	<b>No</b>
copper oxychloride and copper hydroxide	Badge® X2	Yes (at 5 lbs/100 gal)
cyprodinil	Vanguard® WG	<b>No</b>
cyprodinil + fludioxonil	Switch® 62.5 WG, Palladium® WDG	Yes (apply within a 4-hour period)
dithianon	Delan®	<b>No</b>
iprodione	Rovral®	<b>No</b>
mancozeb	Dithane®/Manzate Pro Stick®	<b>No</b>
myclobutanil	Sythane™, Eagle®, Rally® 40W	Yes
oxathiapiprolin	Segovis®	Yes
penconazole	Topaz®	Yes
potassium bicarbonate	<b>MilStop® SP</b>	Yes (up to 5 lb/100 gal)
potassium phosphite	Prophyt	Yes
propamocarb hydrochloride	Previcur® Flex	Yes
pyraclostrobin + boscalid	Pageant® Intrinsic / Pristine®	<b>No</b>



Fungicides (continued)		
Active Ingredient	Brand Name	Compatibility
pyrimethanil	Scala <sup>®</sup>	<b>No</b> (only use 10 days after BotryStop)
<i>Reynoutria sachalinensis</i> extract	Regalia <sup>®</sup>	Yes (at 1 qt/100 gal) <b>No</b> (at rates >2 qt/100 gal apply on a 7-day interval)
sulfur	Kumulus <sup>®</sup> DF, Yellow Jacket Sulphur WP	Yes
thiram	Thiram <sup>®</sup> / Defiant <sup>®</sup>	<b>No</b>
<i>Trichoderma harzianum</i> strain T-22 and <i>Trichoderma virens</i> strain G-41	<b>RootShield<sup>®</sup> PLUS<sup>+</sup></b>	<b>No</b> (apply BotryStop AFTER a soil application of RootShield PLUS <sup>+</sup> )

Insecticides		
Active Ingredient	Brand Name	Compatibility
azadirachtin	<b>Molt-X<sup>®</sup></b>	Yes (at 8 oz/100 gal)
<i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i>	DiPel PRO <sup>®</sup> DF	Yes (2 lb/100 gal)
<i>Beauveria bassiana</i> strain GHA	<b>BotaniGard<sup>®</sup> ES and 22WP, Mycotrol<sup>®</sup> ESO and WPO</b>	Yes
<i>Beauveria bassiana</i> Strain GHA, Natural Pyrethrins	<b>BotaniGard<sup>®</sup> MAXX</b>	Yes (at 1 qt/100 gal)
bifenthrin	Avalon <sup>®</sup> , Brigade <sup>®</sup> WSD, Talstar <sup>®</sup> , Wisdom <sup>®</sup> TC	Yes
<i>Burkholderia</i> spp. strain A396	Venerate <sup>®</sup>	Yes
<i>Chromobacterium subtsugae</i> strain PRAA4-1	Grandevo <sup>®</sup>	Yes
cyantraniliprole	Mainspring	Yes
etoxazole	Zeal	Yes
imidacloprid	Admire Pro, Marathon <sup>®</sup> II	Yes
mineral oil	<b>SuffOil-X<sup>®</sup></b>	Yes (at 1% v/v)
pyrethrins	Pyganic EC 1.4	Yes
spinosad	Entrust <sup>®</sup>	Yes
spinetoram	Delegate WG	Yes
spirotetramat	Movento <sup>®</sup> , Kontos <sup>®</sup>	<b>No</b> (Due to adjuvant recommendations for Movento)
tebufenozide	Mimic <sup>®</sup> (IGR), Confirm <sup>®</sup>	Yes

Plant Growth Regulators (PGRs)		
Active Ingredient	Brand Name	Compatibility
N-(phenylmethyl)-1H-purine 6-amine, Gibberellins A4A7	Fascination	<b>No</b>
indole-3-butyric acid	K-IBA	<b>No</b>

Refer to product labels for complete application details. Additional technical information is available on our website ([bioworksinc.com](http://bioworksinc.com)) or from your BioWorks technical services representative. Always read and follow label directions.