



Product Compatibility BotaniGard® MAXX

BotaniGard MAXX is a unique combination product containing natural Pyrethrins and *Beauveria bassiana* strain GHA. This combination represents the latest generation of biorationals for insect control. The dual active ingredient formulation offers multiple modes of action that work in tandem to kill damaging insect and mite pests.

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

- Jar test first to ensure physical compatibility.
- Always maintain constant agitation in your spray tank.
- Read and follow label directions for all tank mix materials.
- Make applications of tank mix solutions as soon as possible after mixing.

A spray mix containing BotaniGard MAXX must be within a final pH of 5.5 to 7.0, therefore adjust the pH of the spray water prior to dispensing the BotaniGard MAXX. Outside of this range Pyrethrins can degrade and the product will lose its effectiveness. Check the label of the partner products for pH restrictions.

All available chemistries have not been tested. As a general rule of thumb for unlisted products, wait 4-5 days before or after a fungicide or insecticide application to apply BotaniGard MAXX. Most insecticides will not harm BotaniGard MAXX. Ask your distributor for information regarding specific products.

BotaniGard MAXX Compatibility			
Brand Tested	Active Ingredient(s)	Compatibility	Comments
BotryStop®	<i>Ulocladium oudemansii</i> (U3 strain)	Yes	Use tank mix suspension within 4 hours
CEASE®	<i>Bacillus subtilis</i> strain QST 713	Yes	CEASE maximum rate of 4 qt/100 gal max
Des-X®	Potassium salts of fatty acids	NO	pH too high
DiPel®	<i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i> , strain ABTS-351	Yes	
Grandevo®	<i>Chromobacterium subtsugae</i> strain PRAA4-1	Yes	
MilStop®	Potassium bicarbonate	NO	pH too high
Molt-X®	Azadirachtin	See comments	pH of the spray water must be corrected prior to the addition of Molt-X
M-Pede®	Potassium salts of fatty acids	NO	pH is too high
Regalia®	Extract of <i>Reynoutria sachalinensis</i>	See comments	OK at 1 qt/100 gal. At > 1 qt/100 gal, apply on a 7-day interval
Stargus®	<i>Bacillus amyloliquefaciens</i> strain F727	See Comments	Apply on a 7-day rotation
SuffOil-X®	Mineral oil	Yes	Trial this combination first on sensitive species. Additional oil may increase risk of phytotoxicity.



BotaniGard MAXX Compatibility (Continued)			
Brand Tested	Active Ingredient(s)	Compatibility	Comments
Thuricide®	<i>Bacillus thuringiensis</i> subsp. <i>kurstak</i> strain SA-12	Yes	
Various	Spinosad	Yes	
Various	Neem Oil	Yes	Trial this combination first on sensitive species. Additional oil may increase risk of phytotoxicity.
Venerate®	<i>Burkholderia</i> spp. strain A396	Yes	

For compatibility with beneficial insects and mites, reference the technical bulletin: Biological Control Agents Use with BioWorks Product <https://www.bioworksinc.com/products/shared/BiologicalControlAgents.pdf>

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