



BENEFITS & FEATURES

- Controls resistant strains such as Q-Biotype whitefly.
- Provides a level of control comparable to conventional chemical programs
- Excellent tool for resistance management
- Controls the early stages of insects, preventing population outbreaks and the need for rescue treatments
- Large and diverse crop list and multiple use sites
- Compatible for tank mixes with many pesticides
- Exempt from residue tolerance

PROVEN & EFFECTIVE

For more than 20 years, Certis Biologicals has been a pioneer in the field of biological pesticides. With a proven, broad portfolio of crop protection solutions for organic and conventional production, Certis Biologicals has the answers growers need in today's dynamic greenhouse, nursery and Controlled Environment Agriculture (CEA) markets. Certis Biologicals is a leader in commercializing new product innovations in bio-control to solve tomorrow's agricultural issues.

INSECT CONTROL



BotaniGard ES is a biological insecticide made from the fungal spores of *Beauveria bassiana* strain GHA (aka mycoinsecticide). BotaniGard ES controls adult and immature stages of aphids, thrips, whiteflies and more.

SUPERIOR FORMULATION



BotaniGard ES contains the highest spore concentration in a *Beauveria*-containing insecticide. Use as a stand-alone, as a tank-mix partner or in rotation with other insecticides.

UNIQUE MODE OF ACTION



The applied spores infect directly through the outside of the insect's cuticle. Spores adhering to the host will germinate and produce enzymes that attack and dissolve the cuticle. This allows BotaniGard ES to penetrate into and grow inside the insect's body.





PRODUCT INFORMATION

SHELF LIFE

Below 32 °F (0 °C): Not needed
Refrigeration 40 °F (4 °C): Not needed
70 - 75 °F (21 - 24 °C): 12 months*
35 °C (95 °F): < 6 months
Best to store below 25 °C, and above 0 °C

*From the date of manufacture

Registration No. 29321

- *Beauveria bassiana* strain GHA
- Available Sizes: 1 L
- Registered for use in Canada
- 4-hour REI, 0-day PHI

For use on greenhouse ornamentals, vegetables, herbs, strawberries, wasabi and cannabis (marijuana) that is produced commercially indoors.



APPLICATION NOTES

BROAD SPECTRUM CONTROL

- Aphids
- Thrips
- Mealybugs
- Two Spotted Spider Mites
- Leafhoppers
- Weevils
- Plant Bugs
- Whiteflies
- Psyllids

RECOMMENDATIONS

- Shake the container before measuring out product

- Apply at first appearance of insect pests
- Apply at 7-day intervals to prevent insect population outbreaks
- Spray to wet, but avoid runoff
- To regain control of well established infestations, make 3 applications at an intervals of 3-5 days apart
- Insects are killed long before the appearance of any white fungal mycelium
- Thorough coverage of both side of leaves and stems is required for control



APPLICATION RATES

INSECT PESTS	APPLICATION	RATE*
Whiteflies, aphids	Spray	0.5-1.0L/400L spray volume
Thrips	Spray	2.0L/400L spray volume

*Rate dependent on insect population and foliage density

There is no limit to the number of times that BotaniGard ES can be applied in a season. A weekly application program can prevent insect population outbreaks and provide a level of control comparable to conventional chemical programs.



CONTACT US

TECHNICAL SUPPORT

If you are a commercial grower with questions, or if you want to discuss a particular issue, contact us. Our team is ready to discuss your crop-specific issues or any questions you have about our products. We will provide you with rapid, comprehensive and personalized support.