



## BotaniGard® ES



BotaniGard ES is a biological insecticide (Mycoinsecticide – Emulsifiable Suspension) for the control of adult and immature stages of aphids, thrips and whiteflies.

**Active Ingredient:** *Beauveria bassiana* strain GHA

### Benefits & Features

- Highest spore concentration in a *Beauveria*-containing insecticide
- Excellent tool for resistance management
- Controls the early stages of insects, preventing population outbreaks and the need for rescue treatments
- Use on greenhouse ornamentals, vegetables, herbs, strawberries, wasabi and cannabis (marihuana) that is produced commercially indoors
- Compatible with many beneficials
- NOT dependent on high relative humidity for efficacy



### INSECT CONTROL

BotaniGard ES is a biological insecticide for the control of adult and immature stages of aphids, thrips and whiteflies. BotaniGard ES even controls resistant strains such as Q-Biotype whitefly.



### SUPERIOR FORMULATION

BotaniGard ES contains the highest spore concentration in a *Beauveria*-containing insecticide. It is versatile enough to use as a stand-alone 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.



### SUSTAINABLE. SIMPLE. SUPPORT.

For over 25 years, BioWorks has been helping our customers to develop effective and efficient programs using safer, sustainable products - backed by a personalized approach to support.

At BioWorks, we strive to simplify the use of biologicals with our ongoing commitment to information, education and service.



## A BIOLOGICAL INSECTICIDE (MYCOINSECTICIDE - EMULSIFIABLE SUSPENSION)



### PRODUCT INFORMATION

- *Beauveria bassiana* strain GHA
- Available Sizes: 1 L
- Registered for use in Canada

#### REI & PHI

- 4-hour REI, 0-day PHI

Use on greenhouse ornamentals, vegetables, herbs, strawberries, wasabi and cannabis (marihuana) that is produced commercially indoors

#### SHELF LIFE

Below 0 °C (32 °F): Not needed  
 Refrigeration 4 °C (40 °F): Not needed  
 21 - 24 °C (70 - 75 °F): 9 months  
 35 °C (95 °F): < 1 month  
 Best stored below 25 °C, and above 0 °C

REGISTRATION NO. 29320

MPS Code: 3503 White



### APPLICATION NOTES

#### RECOMMENDATIONS

- Shake the container vigorously before measuring out product
- Apply at first appearance of insect pests
- Apply at 7-day intervals to keep your crop clean and prevent insect population outbreaks
- Thorough coverage is required for control
- Spray to wet, but avoid runoff
- To regain control of well established infestations, make 3 applications at 3-5 day intervals
- Insects are killed long before the appearance of any white sporulation



### APPLICATION RATES

Insect pests	Rate*
Whiteflies, aphids	0.5-1L/400L spray volume
Thrips	2L/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.

#### 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.

(800) 877-9443 or [expert@bioworksinc.com](mailto:expert@bioworksinc.com)

#### BROAD SPECTRUM CONTROL

- Aphids
- Thrips
- Whiteflies