



BioWorks®

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BotaniGard® 22WP



BotaniGard 22WP is a biological insecticide (Mycoinsecticide – Wettable Powder) 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; an integral component of IPM programs
- May be used as a pre-plant dip for greenhouse ornamental cuttings
- NOT dependent on high relative humidity for efficacy

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.



INSECT CONTROL

BotaniGard 22WP is a biological insecticide for the control of adult and immature stages of aphids, thrips and whiteflies. BotaniGard 22WP even controls resistant strains such as Q-Biotype whitefly.



SUPERIOR FORMULATION

BotaniGard 22WP 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 22WP to penetrate into and grow inside the insect's body.





A BIOLOGICAL INSECTICIDE (MYCOINSECTICIDE - WETTABLE POWDER)



PRODUCT INFORMATION

- *Beauveria bassiana* strain GHA
- Available Sizes: 500 g
- 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): < 3 months
 Best stored below 25 °C, and above 0 °C

REGISTRATION NO. 29321

MPS Code: 3769 White



APPLICATION NOTES

RECOMMENDATIONS

- Shake the container 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	Application	Rate*
Whiteflies, aphids	Spray	250-500g/400L spray volume
Thrips	Spray	500g-1kg/400L spray volume
Whiteflies	Pre-Plant Dip	1.25g/L dip suspension

*Rate dependent on insect population and foliage density

There is no limit to the number of times that BotaniGard 22WP 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

BROAD SPECTRUM CONTROL

- Aphids
- Thrips
- Whiteflies