



BioCeres WP

Biological Mycoinsecticide

BioCeres WP uses a proprietary strain of *Beauveria bassiana* fungus to target foliar feeding or soil-borne insect pests and is perfectly suited for reducing insecticide resistance in IPM programs.

ACTIVE INGREDIENT:

Beauveria bassiana strain ANT-03..... 20.0%
Contains a minimum of 1×10^{10} viable conidia/gram of product.

OTHER INGREDIENTS..... 80.0%

TOTAL..... 100.0%

INSECT PESTS CONTROLLED

Whiteflies, aphids, thrips, and plant bugs

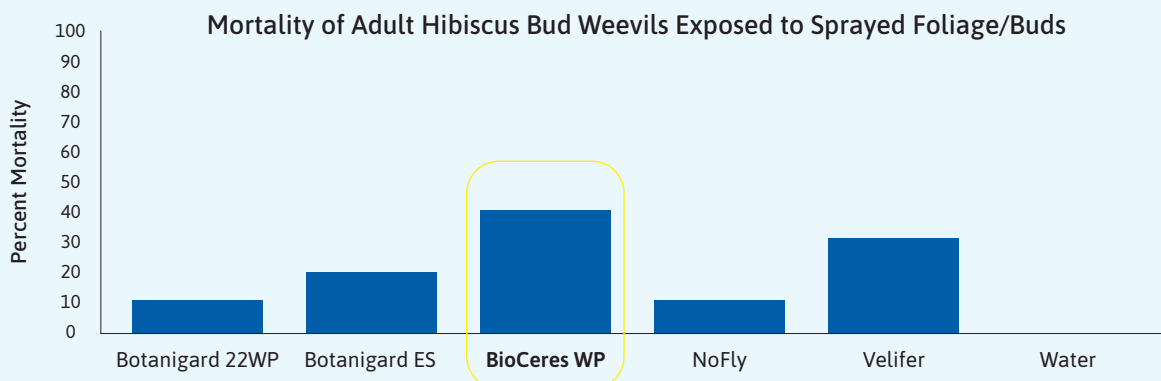


KEY FEATURES & BENEFITS

- Effective on all insect life stages
- No harmful residues
- No known resistance
- 4-hour REI; zero-day PHI
- Tank-mix compatible with most commonly used pesticides, fertilizers, and adjuvants

MODE OF ACTION

BioCeres WP activates by contact or ingestion by the insect pest. The *B. bassiana* fungus will quickly begin to grow and eventually breach the inside of the pest and cause death, leaving a white coating that can produce more spores. Death typically occurs within 7-14 days.



Hibiscus Bud Weevil
Entomopathogenic
Fungi Efficacy, 2020

Catharine Mannion, Ph.D.
UF IFAS, Tropical Research
and Education Center

Host plant: *Hibiscus rosa-sinensis* 'painted lady'
Pest: Hibiscus bud weevil, *Anthonomus testaceosquamosus*

 **BioSafe Systems**

1-888-273-3088 | [BioSafeSystems.com](https://www.BioSafeSystems.com)

HOW SHOULD BIOCERES WP BE USED?

BioCeres WP is an ideal product for an integrated pest management program. It effectively controls all life stages of many insect species and helps prevent or slow the development of insecticide resistance in pest populations. This bio-pesticide is based on a fungus that grows naturally in soil throughout the world and acts as an insect pathogen. BioCeres WP should be applied at the first signs of a pest infestation for best results. Newly hatched insects are most susceptible to infection by the *Beauveria bassiana* fungus. Because insects must be contacted by the product, good foliar coverage with sufficient water is an important consideration.



Insects killed by the *Beauveria bassiana* fungus often show white fungal growth of the entomopathogen.

HOW SHOULD BIOCERES WP BE APPLIED?

Use a solution of 1–3 lbs. per 50 gallons (0.32 to 0.96 oz. per gallon) of water per acre, depending on the target pest, population counts, and foliage density. For best results, create a pre-mix with BioCeres WP and 1/2 gallon of water in a resealable container. Shake mixture vigorously for 30-45 seconds and add to the filled spray tank. Continue agitation during application if possible. **PRO TIP:** Rinse your pre-mix container with clean water and add the rinsate into the tank.

Treatments should be made on a 5–7 day interval as needed. For best performance and effective control, ensure thorough coverage of plant foliage with spray solution, but avoid run-off. If infestation is severe, use highest labeled rate for crop/pest on a 5-day interval until control is achieved. Since BioCeres WP has shown no signs of insect resistance development, there are no limits to the number of applications allowed.

Apply a freshly prepared mixture each time and properly dispose of any unused solution. Do not apply any fungicides within four days after a BioCeres WP application. Do not tank-mix this product with a fungicide. For best use recommendations and tank-mix compatibility, please contact BioSafe Systems.