



# INSECTPROTECT

## EFFICACY EVALUATION

RESULTS OF THE USE OF INSECTICIDE  
*Beauveria bassiana*

**Insect Protect - B. bassiana** is a bioinsecticide whose action is based on the entomopathogenic activity of the fungus *Beauveria bassiana* on pests from the *Coleoptera*, *Lepidoptera*, *Diptera* orders, and many other insect orders and families that affect agricultural crops. When applied, **Insect Protect - B. bassiana** infects the digestive system and causes alterations in the insect's biological cycle, leading to death due to dehydration. **Insect Protect - B. bassiana** is an innovative product containing a combination of spores and mycelium, which enhances its biocontrol activity compared to other products made only from fungal spores.



## FIELD INFORMATION

### Location

Study conducted by SAVE Consultores  
Bogotá, Colombia

### Sample Size

5 repetitions with 30 units per repetition, for adult flies.  
5 repetitions with 5 units per repetition, for immature flies.

### Analysis Design

- Evaluation was performed by contact on adult and immature whiteflies (*Trialeurodes vaporariorum*).
- A dose of 5 g/L was used.
- The control of nymphs was evaluated.

## EFFICACY EVALUATION

The product was applied by direct spraying on adults released on healthy plants confined in entomological cells, recording the number of live individuals every 24 hours for up to 72 hours, for the case of adult whiteflies.

A directed application was made to the underside of the leaves with 100% coverage, recording the number of individuals that reached their development 21 days after the application, compared to the untreated control, for the case of immature flies.



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## RESULTS

**Table 1** presents the comparison of the product's efficacy percentage on adult whiteflies and immature whiteflies. As observed, the product shows **95%** efficacy when applied to adult whiteflies and **76%** efficacy when applied to immature whiteflies.

Treatment	% de efficacy
Adult whitefly	95%
Immature whitefly	76%

**Table 1.** Comparison table of efficacy percentage.