



# INSECTPROTECT

## EFFICACY EVALUATION

RESULTS OF THE USE OF INSECTICIDE  
*Lecanicillium lecanii*

**InsectProtect-Lecanicillium lecanii** is a bioinsecticide whose action is based on the entomopathogenic activity of the fungus *Lecanicillium lecanii* on pests from the orders *Hemiptera*, *Lepidoptera*, *Diptera*, *Coleoptera*, and *Mites*, which affect agricultural crops. When applied, **InsectProtect-Lecanicillium lecanii** penetrates the insect through enzymes that degrade the exoskeleton, multiplying in the hemolymph and producing toxins that cause the death of the insect. Subsequently, the fungus colonizes the entire interior of the host until the mycelium emerges, passes through the tegument, spores on the surface of the insect, and finally, the propagules are spread into the environment. **InsectProtect-Lecanicillium lecanii** is an innovative product that contains a combination of spores and mycelium, which increases the speed and intensity of biocontrol compared to other products made solely from fungal spores.



## FIELD INFORMATION

### Location:

Study conducted by the company SAVE Consultores  
Bogotá, Colombia

### Sample Size:

4 repetitions with 25 units per repetition

### Design of Analysis

- The evaluation was performed by contact and ingestion of adult and immature rose thrips.
- A dose of 5 ml/lit was used.
- The application was by spraying on the tissue and individuals.
- Thrips without treatment were left as a control.

## EFFICACY EVALUATION

The product was applied by spraying on the tissue and individuals. After 7 days, a count of live individuals was conducted.



## RESULTS

In **Table 1**, the comparison of the percentage of efficacy of the product on adult and immature thrips is presented. As observed, the product shows **75%** efficacy when applied to adult thrips and **70%** efficacy when applied to immature thrips.

Treatment	% de efficacy
Adult Thrips	75%
Immature Thrips	70%

**Table 1.** Comparative table of the percentage of efficacy.