

HIỆU QUẢ CỦA CHẾ PHẨM *Lecanicillium lecanii* TRONG PHÒNG TRỪ RỆP SÁP BỘT HỒNG (*Phenacoccus manihoti*) GÂY HẠI TRÊN CÂY Sắn

Effect of *Lecanicillium lecanii* Product to Control Cassava Mealybugs (*Phenacoccus manihoti*) Damage on Cassava

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Abstract

The cassava mealybugs can destroy up to 54% of roots and 100% of leaves cassava in locations of infestation. When cassava infests will deteriorates the tissue mineral and nutrient contents. If the plant was infected with heavy cassava mealybugs becomes it is to decrease productivity came up to 80%. Pesticides were used as an initial response to the cassava mealybugs problem. Thus, the aim of this study was to appraise effect of *Lecanicillium lecanii* in the biological control of the cassava mealybugs (*Phenacoccus manihoti*). As a result, spraying the *L. lecanii* product in a concentration 1×10^8 cfu/g on *Phenacoccus manihoti* in laboratory, after 7 days to control cassava mealybugs up to 92%. In greenhouse, spraying 1×10^8 cfu/g *L. lecanii* to cassava mealybugs reached 88.1% effect. Using the *L. lecanii* product (1×10^8 cfu/g) at 5 kg/ha sprayed on fields will to control cassava mealybugs with effect up to 67.11%.

Keywords: *L. lecanii*, control, *Phenacoccus manihoti*, cassava.

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