



BIO-T PLUS™

BIOLOGICAL INSECTICIDE

A Larvicide for Pest Control in Agriculture

BIO T PLUS™ is a biological insecticide formulated from a strain of *Bacillus thuringiensis* var *Kurstaki* which controls *Lepidoptera* larvae in vegetables, field crops, orchards and forests. The product, based on *Bacillus thuringiensis* var. *Kurstaki*, is produced using a novel fermentation process. It is supplied as a wettable powder.

Characteristics:

- **BIO-T Plus™** is a water dispersible concentrate. It contains deltaendotoxin crystals and viable spores of *Bacillus thuringiensis* var. *Kurstaki*. It is used for pest control in Beans, Forestry, Fruit orchards Citrus, Dates, Tomatoes, Cabbages, Lettuce, Maize, Melons, Cotton etc.
- **BIO-T Plus™** is a selective BIO insecticide. It is selectively toxic to larvae of Lepidopteran Army worms and lepidoptera spp. species like *Boarmia selenaria* (Avocado looper), *Plusia chalcites* Groundnut semi-loopers), *Helicoverpa* (Heliothis) *armigera* (American Boll Worm), *Thaumetopoea Wilkinsoni* sp., (Pine Processionary Moth), *Chyptoblabs gnidiella* (Honedew moth), *Lobesia botrana* (European Grape Berry Moth), Gypsy Moth and other species.
- **BIO-T Plus™** is exempted from residue tolerance requirement and can be applied up to the day of harvest. It provides a unique opportunity for microbial control of larvae without harmful effects on humans, domestic animals, wildlife and beneficial insects.
- **BIO-T Plus™** is formulated for prolonged activity and good storage stability. Shelf life is more than one year when stored in a cool place at temperatures up to 28°C. Longer shelf life can be maintained in refrigerated storage.



Tecnical Information:

- **BIO-T Plus™** is a fine powder with tiny particles of *Bacillus thuringiensis* var. *kurstaki*.
- Potency: 36,000 International Units per milligram (IU/mg)
- Composition: 9×10^7 spores/mg de *Bacillus thuringiensis* var *Kurstaki*, Serotype H-3a, 3b Strain Z-52
- **BIO-T Plus™** is ready for use on dilution with water in the sprayer vessel. Application is by either aerial (low or ultra-low volume) or ground (mechanical or manual) spraying.
- The formulation contains an adjuvant and UV protectant.



Dose Rate:

The rate of application should be adjusted to pest concentration and larval age. Highest efficacy is achieved on larvae up to 15mm. Typical dose rates of **BIO-T Plus™** are shown in the table below:

CROPS	PESTS	APPLICATION RATE (kg / Ha)	DOSAGE RATE (g / 20 Lt of water)
French Beans	<i>Heliothis armigera</i> (<i>Helicoverpa amigera</i>)	0.5-1.0 Kg / Ha	10-20 g per 20 liter of water
Vegetables, Peas, Brassicars, Maize	White butterfly (<i>pieris</i> sp.), Fruit worms (<i>Helicoverpa</i> sp., <i>Ostrinia</i> sp.), other Caterpillars	0.5-1.0 Kg / Ha	10-20 g per 20 liter of water
Passion fruits, Avocados, Mango	Lepidoptera pests, <i>Pieris</i> sp., False colding moths	0.5-1.0 Kg / Ha	10-20 g per 20 liter of water

PHI: Intervalo previo a la cosecha: 0 días.

Important Note:

The indicated crops and recommended rate of application mentioned in this Product informative sheet may not be applicable in the country where the product is intended to be used. User must refer and use the product only as per the official registration at the country of use and the approved uses and rates by the authorized authorities. The supplier will not be responsible or liable if the product is used on crops which are not listed on the official label as approved the ministry of agriculture at the country of use.

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