

BACILLUS THURINGIENSIS ISRAELINSIS STRAIN H-14

BACILOD 5000

BIOLOGICAL MOSQUITO LARVICIDE

FORMULATION: WETTABLE POWDER

BACILOD is based on the naturally occurring active ingredient *Bacillus Thuringiensis* serotype H-14, highly effective and specific action against mosquitoes (in their larval stage), with minimal impact on non-target organisms such as fish and other aquatic animals. Sprayed upon the surface of aquatic breeding area, the larvicide becomes part of the food eaten by the larvae in the water. The larvae ingest the insecticide, consisting of Bt H-14 crystalline toxins produced by the bacteria. Only when activated by the larvae's specific gut pH and enzymes the crystals become toxic. Larvae stop feeding and die before they can pupate and reach adulthood.

COMPOSITION:

***Bacillus thuringiensis* subsp. *israelensis* Serotype H-14 solids, spores and insecticidal toxins**

Equivalent to 5,000 International Toxic Units (ITU/mg) (5 Billion ITU/kg).

Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.



HABITAT:

1st and 2nd instar larvae:

Flood water, roadside ditches, irrigation ditches, rice fields, pastures, woodland pools, catch basins storm retention areas, lakes, ponds, swamps, water gardens, greenhouses, standing water...

Rates required for control: 3-5 kg/ ha.

When late 3rd and early 4th instar larvae predominate, larval populations are high, or water is heavily polluted and/or algae are prevalent...

Rates required for control: 5-10 kg/ ha.

APPLICATION INSTRUCTIONS:

Apply the recommended rate by conventional aerial or ground equipment. Uniform coverage is necessary for best results.



Rafts of eggs
(laid on water's surface)



Instar larvae: made of
different instars. (+pupa)
(just under water's surface)



+Pupa
(just under water's surface)



Emergence:
Way out of water



Adult