



HALT[®] 2X

BIOLOGICAL INSECTICIDE -B_t 5% WP



Guarantee: **Bacillus thuringiensis-Serovar Kurstaki**
 H 3a, 3b, 3c
 Formulation: **Wettable Powder**
 Classification: **Biological**

General Description

HALT 5 WP is a biological insecticide based on *Bacillus thuringiensis*, - B_t serovar Kurstaki (protein equivalent). It has excellent larvicidal action on Lepidoptera insect pests such as Diamond-back moth and Heliothis (Bollworms).

It can be used for the control of a wide range of insects (particularly Lepidoptera), Cabbage sawfly, Diamond-back moth and caterpillars in vegetables, flowers and fruit trees.

Mode of Action

HALT 5 WP works as a stomach poison to larvae by causing gut paralysis followed by septicemia (blood poisoning). Upon biting a leaf treated with HALT 5 WP, the larvae stop feeding, become sluggish & discoloured and eventually die within 3-5 days.

Features and benefits

- No adverse effect on beneficial insects, predators & parasites - thus is ideally suited for IPM programmes.

Recommended Application Rates

Preparation:- Half fill the spray-tank with water, then mix the required amount of HALT 5 WP with a little water to prepare a uniform suspension. Add this suspension to the spray tank & top-up to the required amount of water. Spray the crop thoroughly to ensure good coverage. A spreader /sticker or surfactant could be added.

Timing:- HALT 5 WP should be applied during egg-hatching & active feeding stage of larvae. Ideally, spraying should be done early morning or late evening hours.

Crop	Pests	Rate
Vegetables, e.g. Cabbages	Cabbage sawfly, Diamond back moth (DBM)	10g/20L 500g/Ha
Flowers e.g. Roses	Caterpillars (<i>Spodoptera exigua</i>)	0.5g/1Lt 500g/Ha

Pre-harvest Interval: None required.

Phytotoxicity

Not known to be phytotoxic. However, it is always advisable to check on a small area especially if tank-mixed with other pesticides.

Compatibility

It is compatible with most commonly used pesticides. It should always be sprayed immediately on preparation. It is not to be mixed with Bactericides (e.g. Streptomycin, Paschyancine etc.), Neem pesticides and highly alkaline materials.

Environment:

It has no adverse effect on non-target insects such as beneficial insects, including honey bees.



Sawfly



Caterpillars



Diamond back moth

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