

ANC ENZYME SOLUTIONS PTE LTD

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Neembecidine

(0.03% Azadirachtin)

Neembecidine, a neem-oil-based botanical insecticide containing Azadirachtin and other limonoids like Meliantriol, Salanin, Nimbin and a most of other terpenoids in the ratio as it occurs in neem in nature.

Mode of action

Antifeedant, Repellant, Insect Growth Regulator, Ovi-position Deterrent and Sterilant.

Crops and pest controlled:

Crops	Target Pests	Application Methods	Frequency of Application
Cereals, Pulses, Vegetables, Fruit crops, Cole crops, Orchards. Fibre crops, Cut flowers Ornamentals in greenhouses, nurseries, lawns and landscape.	Whitefly Aphids Thrips Caterpillars Leafhoppers	The product should be sprayed on the foliage of plants using hand, ground, or aerial equipment.	The frequency of applications also depends on the level of pest and the type of crop. For greenhouse pest problems, applications once in every 30 days are recommended

Method of Application

Ornamental Crops / Trees

7-8 Sprays at an interval of 15 days. The spray frequency can be increased or decreased depending upon the pest infestation and crop canopy.

Vegetable crops

First spray in 15 days after sowing, 3-4 sprays at an interval of 15-20 days. Spray frequency can be increased or decreased depending upon the pest infestation and crop canopy.

Fruit crops

7 to 10 sprays at an interval of 20-30 days in between sprays. Sprays frequency can be increased or decreased depending upon the pest infestation and crop canopy.

Dosage

2.5 liters / hectare in 500 liters of water i.e. 5 ml per liter. The spray volume depends on the crop canopy.

Preparation of spray solution

- Add water to NEEMBECIDINE. Do not add Neembecidine to water.
- Stir well to get a good emulsion.

- Use the emulsion as direct spray fluid or it can be added as a diluent while preparing the spray fluid.

Toxicology

- Acute oral LD50 in R at >5000 mg/kg B.wt.
- Acute oral LD50 in Mice >5000 mg/kg B.wt.
- Acute Dermal toxicity in Rabbit >10,000 mg/kg B.wt.
- Non-irritant to Rabbit skin.
- Non irritant to mucous membrane of Rabbit.
- Safe to spray Operators at concentration of 0.2%.
- Neurotoxicity in Hen 2000 mg/kg B.wt.
- Reproductive toxicity in Rat N.O.E.L-200mg/kg B.wt.
- Carcinogenicity in Mice N.O.E.L-2 mg/kg B.w.

Compatibility

Neembecidine is compatible with most of the agricultural crop protection chemicals.

Benefits

- Ecofriendly and maintain the ecological balance
- Does not create resistance, resurgence and residues problem.
- Does not affect the natural enemies and offers a long lasting pest control.
- Certified by IMO and EUREPGAP for use in organic agriculture
- Forms a good molecule for use in IPM programme

Salient feature

- It is a 100% natural neem oil based emulsion concentrate contains most of the biochemical molecule in the natural proportion as exist in neem in nature.
- Accorded with Indian government best R&D effort award for the outstanding Industrial R&D research work carried out during the year 1994-1995.

Status of registration

Registered in USA, Uruguay, Chile, Paraguay, UAE, Bangladesh, Vietnam, Uganda, and Malaysia.

Shelf Life

Two years if stored at 20-25° C and if unopened.

Packing

20 litres, 5 litres, 1 litre, 50 ml, 250 ml, 200 ml, 100ml.

Disclaimer-All suggestions and data presented are based on information and tests that are believed to be accurate and reliable, but are not to be taken as a guarantee, expressed or implied, for which seller assumes legal responsibility. It is recommended that the user carry out their own tests to determine the suitability of the product to his/her process before incorporating the product on a commercial scale. ANC Enzyme Solutions Pte Ltd