Neembuda

Broad Spectrum Insect & Pest Controller

Neembuda is a broad spectrum insect and pest controller derived from three types of oils. Neembuda contains cold extracted form of neem and pongamia oil in addition to mineral oil.

Neembuda gives great control of thrips, white fly, aphids, caterpillar, scale insects, etc. It is excellent for systematic as well as contact poisoning. It also acts as a repellent to most of the insects and pests on whom chemical pesticides are of no use.

The use of three oils makes sure that the insect or pest does not develop any kind of resistance to Neembuda.

Neembuda can replace or even enhance traditional chemical treatments and is beneficial to both organic as well as conventional agriculture.

Neembuda application does not show any residue on the final crop and hence complete solvent residue free yield is obtained.

Also, Neembuda does not harm the plant friendly insects and pest which are beneficial to the plants like bees, butterflies, etc. Similarly, it is also seen that there are no side-effects on the person spraying Vertimite. There is no skin or eye irritation or such side-effects.

When mixed in water, the pH of the product is neutral (pH=7).

Mode of Action

Neembuda works on all the stages in the life cycle of an insect or a pest, eggs, larvae, pupa, and adult. In the early stages of the life cycle, it leads to inhibition in feeding and to moulting. In the later stages, it leads to reduction in fecundity and breeding ability.

The three oils are easily passed into the leaf because of which, when an insect or a pest sucks the juice from the leaf, the active ingredients of Neembuda are forced into its body. There Neembuda starts its work and gives the desired results.

When the active ingredients are ingested by the insects by sucking or biting the leaf tissue, they subsequently stop feeding and doing damage to the crop.

Unlike with chemical pesticides, do not evaluate the efficacy of Neembuda with the number of dead insects but evaluate the efficacy by monitoring the reduction of leafmass or by the production of honey dew. For example, thrip colonies are seen for a few more days, but younger ones will stop to develop and reproduce.

Also, the mineral oil has a special function. The mineral oil helps form a protective layer above and below the leaf because of which insects and pests cannot easily penetrate to harm the plant in any way. Also when the insect or pest, sits on the leaf sprayed with Neembuda, either their legs or wings get stuck on the plant resulting in easy control.

The mineral oil also acts in a number of other ways like blocking the respiratory system of the pests, destroying the waxy coating on their bodies, interfering with their feeding and discouraging them from laying their eggs (repellent effect).

The overall reproductive system of the pests and insects gets damaged. Hence eggs either do not hatch or if they hatch the new born ones are disabled in some way or the other. If a larvae comes in contacts, irritation causes them to die or they die after ingestion.

Also, the emulsifier used for Neembuda is of the best quality due to which the emulsion of the product is very stable. Due to this no oily spots are seen on the plant after application.

Environment

Not a water hazardous material

Environmental Fate

The active ingredients in Neembuda are rapidly degraded hydrolytically and thermolytically.

First Aid

When swallowed, drink water in sufficient quantities. Do not induce vomiting. Get medical advice.

On contact with eyes, splash water on the eyes for 15 minutes. Get medical attention.

On contact with skin, wash with water.

IPM

When applied at recommended rates, Neembuda is usually harmless to plant friendly and non-target species.

Rainfall

Do not apply if rain is likely to fall within three-four hours following treatment.

Compatibility

Can be used with all types of insecticides, pesticides, fungicides except sulphur and copper. Gives excellent results when used with Vertimite.

Withholding Period

None on all crops. A period of 3 days should elapse between each applications and harvesting of all crops. Neembuda can be applied even before harvesting time without any residue problem.

Integrated Pest Management

Because of the broad spectrum approach of Neembuda, it is an excellent fit to IPM.

Application

Complete coverage of the plant is essential for optimum results. Any conventional spray equipment can be used. While applying make sure that even underside of the leaf is covered. Use mask at all times.

Suggested Dosage

1-2 ml per liter of water during all stages of life cycle of the plant. Dose of chemical insecticides can be halved when Neembuda is used with them thus saving on the spray cost.

Packaging

1 liter, 5 liter, 25 liter and 200 Liter Drum in HDPE containers.

For Further Details Pls Contact:

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