NEEMKARANJ

Neem + Pungam Oil Blend

agrineem

solutions for pest and diseases...

Chemical Composition:

NEEMKARANJ is oil based emulsified concentrate formulation consisting of a judicious mixture of neem oil obtained from Azadirachta indica seeds and karanj oil obtained from Pongamia glabra seeds and emulsifier. The insecticidal action is due to the presence of several neem limonoids of which Azadirachtin is most important. Azadirachtin concentration is maintained at a level of ~ 1500 ppm in the formulation.

Mode Of Action:

A very wide spectrum of phytophagous insect pests is likely to be affected by this formulation. The formulation controls the pest population by triple action activity of feeding deterrence, oviposition inhibition and insect growth regulatory activity as follows:

As an anti-feedant, Azadirachtin is quite strong because when the insect eats the neem treated material, they loose their appetite. Hence, the insect will prefer to die of starvation rather than feeding on the treated surface.

Second, **NEEMKARANJ** has a repellent action. i.e. insects will fly away; therefore they will not eat the treated crop and also not lay eggs in the farm. As a result the population of the insects is reduced.

NEEMKARANJ also interferes with the molting hormone therefore the larvae fails to pass on to the next instars and die prematurely. Adult insect avoid laying egg on Azadirachtin treated surface and this way the treated plants escape the attack from the larvae subsequently.

NEEMKARANJ have been found to be effective against a number of insect-pests on a variety of crops. NEEMKARANJ controls aphids, thirps, plant hoppers, white flies, caterpillar, fruit borer, leaf miner, jassids and many other pests.

Recommendations For Use:

NEEMKARANJ gives best results when used as a preventive. Monitor the field continuously for pest attack. When the population is low or when the damage symptoms just begin to appear, apply NEEMKARANJ @ 4 ml per liter of water and spray it in such a way that it covers whole crop canopy or foliage. NEEMKARANJ gives protection for 10-15 days. However, continuous monitoring is essential. Subsequent sprays should be applied as and when necessary.

For More Details
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