

NEEM OIL

Neem Oil is a natural pesticide extracted from the seeds of Neem (*Azadirachta indica*), a tropical tree native to the Indian subcontinent. All parts of the tree have an antimicrobial and insecticidal property that has been exploited for thousands of years by indigenous people. Its excellent safety profile for higher organisms, especially birds and mammals, makes it a better alternative to chemical pesticides.

NEEM OIL is not a contact poison. It does not kill insect pests directly. It is systemic in action, mainly affecting the feeding as well as growth and development of insects. Nothing will happen immediately even if you spray the oil on insects directly, so people often come to the conclusion that neem oil is ineffective. However once ingested by insects, Neem oil causes insects to reduce or cease feeding, can prevent larvae from maturing, reduces or interrupts mating behavior and, in some cases, the oil coats the breathing holes of insects and kills them.

There are many reasons to use **NEEM OIL** in your garden, but here are some of the most compelling reasons.

It's completely Organic & Biodegradable

Since it's derived from the neem tree, it's a biodegradable compound and breaks down quickly. Most neem oil products are simply water, neem oil, and some kind of solvent or surfactant to help the oil and water mix together.

It's Not Harmful to Beneficial Insects

It's important to protect pollinators and plant friendly insects like bees, butterflies, and other beneficial bugs like ladybugs. While chemical insecticides and fungicides can damage such insects, **NEEM OIL** causes no adverse effects on these insects as these insects don't eat the leaves of the plants. **NEEM OIL** primarily attacks bugs that feed on plant material by inhibiting their feeding and causing them to die off.

Earthworms Will Thrive

Most conventional pesticides will kill off earthworms, removing a vital piece of your soil's ecosystem. Neem won't harm them, in fact, they'll thrive in a neem environment.

It Kills Pests Throughout Their Lifecycle

Many insecticides only target a specific stage of a pest's life: egg, larval, or adult. Neem is able to kill insects throughout their lifecycle because it works in a variety of ways:

1. Prevents feeding (adult stage) 2. Disrupts growth (larval stage) 3. Smothers out (egg / larval stage)

Blanket Control for 200+ Insects

NEEM OIL can provide your plants protection against more than 200 insects and pests.

Prevention Against Nematodes

Nematodes can decimate your plants but extracting neem in a specific way can help control even the most harmful nematodes. It prevents the larvae from hatching, stopping the reproductive cycle.

Natural Mosquito Prevention

Surprisingly, neem spray can also prevent mosquitoes from buzzing around in the garden. Mosquitoes will stay away from an area sprayed with neem.

Most Pests Don't Build a Resistance to Neem

One problem of synthetic pesticides is that bugs can build up a tolerance or resistance to certain substances. So far, it's not been reported that insects have built up resistances to neem use, meaning it's a future-proof solution.



Neem oil insecticide works as a systemic in many plants when applied as a soil drench. This means it is absorbed by the plant and distributed throughout the tissue. Once the product is in the plant's vascular system, insects intake it during feeding. The compound causes insects to reduce or cease feeding, can prevent larvae from maturing, reduces or interrupts mating behavior and, in some cases, the oil coats the breathing holes of insects and kills them.

It is a useful repellent for mites and used to manage over 200 other species of chewing or sucking insects according to product information, including: Aphids Mealybugs Scale Whiteflies.

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