

Pure Organic Neem Oil and Flora

When searching for a safe and effective product to control insects and disease in your lawn and garden, look no further than neem oil. It's a powerful organic solution to your most difficult-to-manage infestations.

Neem oil has a dual purpose in the vegetable garden as both a pesticide and a fungicide. It works on arthropod pests that often eat your vegetables, including tomato hornworms, corn earworm, aphids and whiteflies. In addition, neem oil also controls common fungi that grow on vegetable plants.

Neem oil insecticide is often a great solution if you are having problems with insects, mites, or fungi bothering your plants. What organic gardeners love about it is that it is safe to use: It will not harm you, your kids, your pets, or your livestock. It is safe even for most wildlife, its insecticidal properties being targeted to specific pests that damage garden plants.

The great thing about neem oil is that it mainly affects plant-feeding insects that suck or chew on leaves, so beneficial insects including bees, butterflies and other pollinators that feed on nectar aren't much affected. Other beneficials, such as ladybugs, earthworms and spiders aren't affected either unless they're sprayed directly with a fairly heavy dose.

As for human safety, pure neem oil is not only natural, but is actually used in many applications for our health – neem oil for skin, neem oil for hair, neem oil for dogs, and so on.

The residue from spraying your vegetables is non-toxic, but you don't want to ingest it because neem oil can be irritating to eyes, skin and stomach, and negatively impact fertility, so as with most things we spray in our garden, don't drink it or go splashing it all over your face.

Neem breaks down quickly without a lasting residue and has a low environmental impact. You can spray neem pretty much up to the day of harvest.

The only thing to be careful of is not to spray too close to waterways because neem oil has been shown to be toxic to fish and aquatic invertebrates.

Pure neem oil can kill soft-bodied insects and mites on contact, which is one reason why you want to spray it in the early morning or evening when the pollinators aren't out as much, to avoid spraying them.

But that's not the main method of action of how it controls pests.

First, neem oil repels insects and other animals directly when they encounter it on the leaves.

And when you spray it on the soil, plants can take it up systemically, which will deter insects from feeding even more.

But for those insects who do still feed, the oil contains many different components that are not going to bode well for them, the most active and well-researched being a metabolite called azadirachtin.

When a plant-feeding insect feeds on a leaf that has been sprayed with pure neem oil, the azadirachtin interferes with the insect's hormonal system, which inhibits their eating, mating and egg-laying patterns. It also inhibits growth, which prevents larvae from molting and eggs from hatching. Because azadirachtin acts on the hormonal system, insects don't develop resistance in future generations, thereby making it a sustainable solution.

Neem oil fungicide uses. Organic compounds in the oil spark an immune response to prevent fungal diseases such as mildew, black spot, rust, rot, scab, leaf spot and blights.

Learn examples of some pests that neem is effective against.

The efficiency of Neem Oil was experimented on the following:

Laboratory

Tetranychidae (Spider mite)

The greenfly of the peach tree (*Myzus persicae*)

Trialeurodes vaporariorum (aleurodes des serres), often called the white fly

The thrips (*Thysanoptera*) of the little fruits

Strawberries against the strawberry tree's powdery mildew

Greenhouse

The thrips (*Thysanoptera*) of the little fruits

Potato leaf roll virus (PLRV) and potato virus Y

The mites, greenflies, *Trialeurodes vaporariorum* and the black flies

Fields

French beans against the bean flies and the locust

Watermelons against the fruit flies

Tomatoes against tomato fruit worms, whiteflies, thrips, cutworms (voracious leaf)

Strawberries against the tarnished plant bug (la punaise terne)

Broccolis, rutabagas (Swedes), radishes and cabbages against the cabbage flies (Delia Radicum)

Onions against the onion flies (Delia Antiqua)

The rosemary against the mites, white flies, thrips and the Eupterix Decemnota

The apple tree against the Disaphis Plantaginea and cutworms

Organic Neem Oil Plant Spray 1L/ 5L / 25L

Active Ingredients –Pure Organic Neem Oil and Lemongrass Oil

Organic

Natural

Bio-Degradable

Environmentally Friendly

Non-Toxic or harmful ingredients

Safe for use.

Suitable for use on all commercially produced crops and plants such as but not limited to vegetables, fruit trees, house plants, landscape nurseries, hydroponics and more.

How to use

Can be sprayed directly on fruit as it is not harmful for humans, animals and birds

Can be used as often as required

Convenient, ready to use product, just spray

Spray around the base of the plant to stop ants from climbing on the plant.

Product is ready to use, just shake well and spray.

Test – If you want to ensure the product solution is not too strong for the specific plant, first spray a leaf to test. If the leaf turns yellow or dry after a day then you know this formulation is too strong. You can add a bit of water to dilute the strength and then test again to get the best workable solution for your specific plant. The Ready to use solution is effective and safe on a multiple plants in the present strength but can be made weaker as required.

WARNING:

If product comes into contact with the naked eye, flush with warm water to find relief.