

ORGANIC INSECTICIDE CONTROLS

<http://giantveggiegardener.com>

NEEM-comes from a tree in India-great for powdery mildew and kills on contact and repels many insects with its scent. It is also use as a fungicide for powdery mildew. Will kill bees on direct contact and earthworms (don't spray soil). Bioneem is one brand found in the nurseries.

Bt-(*Bacillus thuringiensis*) does not harm animals, people or the environment. Specifically works on caterpillars, loopers and tomato hornworms by wrecking their digestive system.

DIATAMACIOUS EARTH-use for soft-bodied insects like aphids, fleas, whiteflies

SPINOSAD-A broad-spectrum, organic insecticide made from soil microbes. Even though it is toxic to most insects, it is relatively safe to use around beneficial and non-target species because it is only toxic if ingested or if a treated surface is contacted while wet. If used carefully only insects that actually ingest (eat) something that has been treated, such as a leaf, are affected. Be careful to spray on cool mornings before bees arrive.

INSECTICIDAL SOAP-Insecticidal soap is sodium or potassium salts combined with fatty acids

Insecticidal soap must come in direct contact with the insect. It is no longer effective once it has dried. Works on aphids and thrips. Must spray everyday for a week for aphids.

HORTICULTURAL OIL-Highly refined petroleum oil. Coats and suffocates insects or disrupts their feeding. Most effective against soft bodied insects. Low toxicity to humans, pets or birds . No toxic residue.

NOSEMA LUCUSTAE- A naturally occurring fungus helps to weakens and kills grasshoppers when they eat it. Sold as NOLO BAIT AND SEMASPORE, his method can help you reduce grasshopper populations at your place over time, making them much easier to manage.

MORE TOXIC

PYRETHRIN-Comes from a Chrysanthemum flower in Kenya. Toxic to insects and aquatic life including fish, slightly less toxic to birds. Follow instructions carefully. Very toxic to honeybees. Spray before bees arrive in morning or in evening. I don't use it anymore.

ROTONENE- also comes from Rotenone is an organic pesticide dust for the garden . It kills potato beetles,cucumber beetles,flea beetles, cabbage worms. Rotenone bio-degrades naturally in a few days so there is no harmful residue. A light dusting on the leaves of plants will control insects for several days. Toxic to insects and aquatic life including fish. Follow instructions if using it. I don't use it anymore.