

# NATURAL PEST DISEASE CONTROL

## CORN GLUTEN

Corn Gluten is a corn byproduct that is a pre-emergent herbicide. This means that it stops seeds from germinating. It lasts for 4-6 weeks in the soil. The best application of this product is after the ground has been worked (tilled). This product will not harm transplants as long as they have 2 true leaf sets or more. When planting from seed, plant the seeds first; once they form their second true leaf set, weed the garden, then use the corn gluten.

## NEEM OIL

Neem oil, an extract from the seed of the Neem tree, is one of our favorite natural pest control products. Neem oil is a broad spectrum insecticide, miticide, and fungicide. It influences the feeding activity, reproduction, and flying capabilities of insects and has low side effects on non-target species or beneficial insects. First and foremost, neem oil is a natural deterrent to pests. In an outdoor application, the neem creates a "bubble" over a garden that pests would simply prefer not to enter. Single applications can last three weeks or more. Neem is recommended as the first line of defense against common pests such as aphid, white flies and mites.

## DIPEL DUST

Dipel is a BT (*Bacillus Thurengiensis*) variety *Kurstaki*, which is a biological insecticide. When ingested by leaf worms, the worms stop feeding, and eventually die. BT's are environmentally safe, non toxic to humans and pets, and organically certifiable. They will not kill beneficial insects. Dipel is great for Cabbage worms, which eat broccoli and cauliflower, tomato worms, cutworms, and many more.

## SERENADE DISEASE CONTROL

Serenade is a biological fungicide. It contains bacillus subtilis, a beneficial bacteria. The bacteria in Serenade reside in the same places where diseases and viruses want to reside. This product is OMRI certified and will not harm beneficial insects. It controls countless diseases including, but not limited to, early and late blight (tomato blight), powdery mildew, and mold. This is our favorite, most effective organic fungicide.

## DIATOMACEOUS EARTH

Diatomaceous Earth (DE) is comprised of crushed fossils of freshwater microorganisms, and under a microscope appears as broken glass. When crawling insects come into contact with DE, whether eaten or crawled over, it cuts the insects and dries them out, ultimately leading to their demise. DE is safe for humans and animals and is often included in the feed of farm animals to control infestations. DE eliminates crawling insects on plants, and also kills fleas and cockroaches.



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