

“Neonics”

**are decimating our beneficial insect populations
and the food webs that depend on them.**

Neonicotinoids, or “Neonics” (“neo-nicks”), are a class of insecticides chemically similar to nicotine. The most widely used insecticides in the world, they act on the nervous systems of insects. In high doses they cause epilepsy-like symptoms, paralysis, and death. Repeated low doses are thought to impair normal nerve function. Scientific studies have implicated Neonics in colony collapse disorder and catastrophic declines in insect and bird populations.

**We are currently in the midst of an
insect and bird apocalypse.**

*Please ask stores not to carry the products
listed below and boycott stores that do. Tell
stores why you are boycotting them.*



Brand Name	Manufacturer	Chemical Name
Confidor, Admire, Gaucho, Advocate Actara, Platinum, Cruiser Poncho, Dantosu, Dantop, Belay	Bayer Crop Science Syngenta Sumitomo Chemical, Bayer Crop Science	Imidacloprid Thiamethoxam Clothianidin
Mospilan, Assail, ChipcoTristar	Nippon Soda, Bayer Crop Science	Acetamiprid
Starkle, Safari, Venom Capstar, Guardian	Mitsui Chemicals Mitsui Chemicals	Dinotefuran Nitenpyram

Life can't go on without insects! They are the primary pollinators of most plants and are the foundation of most animal food chains. Most songbird babies rely primarily on insects, and most vertebrate species (fish, reptiles, amphibians, birds, and mammals) either eat insects or eat animals that eat insects. (Insects make up 23% of black bear diets and 25% of gray fox diets!)

Neonics remain in all plant parts for up to ten weeks and can remain in soil for up to four years. From soil they may leach into aquifers, killing aquatic insects and the species that depend on them, including dragonflies, frogs, newts, snakes, fish, birds...and on up the food chain). Laboratory studies have shown that inactive ingredients in certain neonics, such as Imidacloprid, harm mammals directly.

Neonics are used throughout the world in gardens and agriculture and constitute a multi-billion dollar industry. Most non-organic fruits and vegetables, including wine grapes, and many of our crops (corn, canola, sugar beets, cotton, soy, sorghum, soybeans, cereals, grains, and nuts), are treated with them.

For more information, go to: <https://xerces.org/neonicotinoids-and-bees/> For information on other ways to restore insect populations, go to www.katemarianchild.com/butterflies-and-moths/