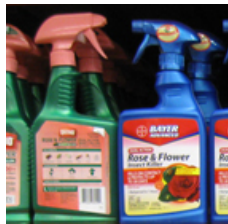


## Neonicotinoids in Your Garden



Neonicotinoids are a group of insecticides that are used widely on farms, as well as around our homes, schools, and city landscapes. Used to protect against sap-sucking and leaf-chewing insects, neonicotinoids are systemic, which means they are absorbed by the plant tissues and expressed in all parts, including nectar and pollen. Unfortunately, bees, butterflies, and other flower-visiting insects are harmed by the residues. Extremely concerning is the prolific inclusion of these insecticides in home garden products. Home garden products containing neonicotinoids can legally be applied in far greater concentrations in gardens than they can be on farms – sometimes at concentrations as much as 120 times as great which increases the risk to pollinators. As a gardener, you have a unique opportunity to help protect pollinators by avoiding the use of these insecticides, asking your local nursery or garden center if plants have been treated with neonicotinoids, and encouraging your city or park district to use alternatives to neonicotinoids on plants that are visited by bees or are bee-pollinated.

**Protecting Bees from Neonicotinoid Insecticides in Your Garden** This brochure explains why they are a risk to bees and gives some simple tips for protecting bees from these insecticides. [Download PDF.](#)

**Neonicotinoids in Your Garden** By Jennifer Hopwood and Matthew Shepherd This article from Xerces' magazine, *Wings*, explores the effects of neonicotinoid pesticides in gardens. [Download PDF.](#)

## Examples of Neonicotinoid Garden Products Used in the United States

Neonicotinoid	Garden & ornamental uses	Garden product trademark names
Imidacloprid	Foliar spray for turf and ornamental flowers, trees, and shrubs; soil drench for garden fruits and vegetables, and ornamental flowers, trees, and shrubs; trunk injection for trees; granules for turf and ornamental flowers, shrubs, or trees.	Bayer Advanced 3-in-1 Insect, Disease, & Mite Control
		Bayer Advanced 12 Month Tree & Shrub Insect Control
		Bayer Advanced 12 Month Tree & Shrub Protect & Feed
		Bayer Advanced Fruit, Citrus & Vegetable Insect Control
		Bayer Advanced All-in-One Rose & Flower Care concentrate
		DIY Tree Care Products Multi-Insect Killer
		Ferti-lome 2-N-1 Systemic
		Hi-Yield Systemic Insect Spray
		Knockout Ready-To-Use Grub Killer
		Monterey Once a Year Insect Control II
Clothianidin	Granules for turf, and ornamental flowers, shrubs, or trees.	Ortho Bug B Gon Year-Long Tree & Shrub Insect Control
		Ortho MAX Tree & Shrub Insect Control
Thiamethoxam	Foliar spray for turf and ornamental flowers, trees, and shrubs; granules for turf and ornamental flowers, trees, and shrubs.	Surrender Brand GrubZ Out
		Bayer Advanced All-in-One Rose & Flower Care granules
		Green Light Grub Control with Arena
Acetamiprid	Foliar spray for garden fruits and vegetables, and ornamental flowers, trees, and shrubs.	Amdro Quick Kill Lawn & Landscape Insect Killer
		Amdro Rose & Flower Care
		Maxide Dual Action Insect Killer
		Ortho Bug B Gon Garden Insect Killer
		Ortho Bug B Gon for Lawns
		Ortho Flower, Fruit and Vegetable Insect Killer
		Ortho Rose and Flower Insect Killer
		Ortho Rose Pride Insect Killer