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Neonicotinoid-Free Consumer Pesticide Products

Maryland citizens, scientists, beekeepers and healthcare advocates, are alarmed about the widespread use of neonicotinoid pesticides (aka neonics), in hundreds of home and garden consumer products. Neonics have been confirmed to contribute to honey bee mortality, declines in native pollinators, birds and aquatic life; are linked to the death of molting blue crabs; and pose a risk to human health. Neonics also kill beneficial insects, making landscapes chemically dependent for insect control.

THERE ARE OVER 290 NEONIC-FREE PRODUCTS FOR COMMON PESTS THAT ARE SAFER FOR HONEYBEES.

Here is a sample list of neonicotinoid-free products for 30 of the most common home & garden pests

Resources: PRI Product Evaluator, Beyond Pesticides, Xerces Society ; PRI [Product Evaluator available for mobile](#) through iTunes store)

Insect Pest	# of Neonic-Free 3 Products	Neonic-Free Products of Least Concern to Honey Bees					
		* Neonic-free products which may be linked to health and/or other wildlife and aquatic impacts are marked with asterisk ** Insecticidal soaps, horticultural oils & limonene are low risk to bees if applied at night, when bees are inactive					
Ants	53	Drax Liquidator Ant Bait	Gourmet Ant Bait Gel	Safer Brand Ant & Crawling Insect Killer	Cinnacure A3005	EcoPCO ACU	Mint oil, cedar oil, orange oil garlic spray
Adelgids	10	** Civitas	Golden Pest Spray Oil	Leaf Life Gavicide Green 415	** Orange Guard for Ornamental Plants	Purespray Green, Horticultural oils, Insecticidal soaps	
Aphids	33	Essentria IC3	Aphid-Pruf	BFR 440 Supreme Spray Oil	Cinnacure A3005	Clean Crop Supreme Oil	Insecticidal soaps, Neem oil
Beetles	5	Essentria IC3	Golden Pest Spray Oil	NEU 1160 Vegetable Oil Insecticide	Purespray Green or Purespray Spray Oil 10 E	Boric acid	
Centipedes, Millipedes & Sowbugs	12	T*A*P* (indoor use)	Mosquito & Tick Control Yard Protection Concentrate	EcoPCO ACU	Boric acid	** Whitmire Micro-Gen TC 232	
Crickets & Katydid	22	Redzone Bait	Safer Brand Garden Fungicide, Insecticide & Miticide Ready-to-Use	Mosquito & Tick Control Yard Protection Concentrate	Essentria IC3	** Whitmire Micro-Gen TC 232	
Cutworms, Armyworms	26	Agree 50 WP or Agree WG	Bonide Dipem 150 Dust for Vegetables	Cinnacure A3005	Golden Pest Spray Oil	Dipel Regular or 2X Biological Insecticide Wettable Powder	
Earwigs & Springtails	17	Redzone Bait	Safe Brand Garden Fungicide, Insecticide & Miticide Read-to-Use Spray	EcoPCO ACU	Essentria IC3	Surround WP Crop Protectant	
Fleas	20	Eaton's Answer Boric Acid Insecticidal Dust (indoor use)	Dri-out Insecticide	Diatomaceous earth (indoor use), Silica aerogel, Boric acid	EcoSmart Insect Killer for Lawns & Landscapes	** Whitmire Micro-Gen TC 232	EcoPCO ACU
Flies	25	Vector 960	BMP 144	Cinnacure A3005	EcoSmart Insect Killer Spray for Lawns & Landscapes	** Whitmire Micro-Gen TC 232	* RF 9707 Aerlosol
Grubs & Maggots	9	Cinnacure A3005	Prokil Cryolite 50 Dust	Bacillus Thuringiensis, Milky spore, Nematodes	Surround WP Crop Protectant	Zone Defense	
Hornets, Wasps, Yellow Jackets	11	Essentria IC3	** Whitmire Micro-Gen TC 232	Rescue W-H-Y Trap for Wasps, Hornets & Yellowjackets	Soap and water, Enzyme solution (such as Super C Professional)	EcoPCO ACU	Silica aerogel, Acetic acid, Boric acid, Peppermint oil
Japanese Beetles	5	Bag-A-Bug Japanese Beetle Trap	Surefire Japanese Beetle Trap	EcoPCO ACU	Milky spore		
Lace Bugs	13	Golden Pest Spray Oil	Leaf Life Gavicide Green 415	Safer Brand Garden Fungicide, Insecticide, & Miticide Ready-to-Use Spray	Surround WP Crop Protectant	Purespray Green and Purespray Spray Oil 10E	
Leafhopper	14	Cinnacure A3005	Golden Pest Spray Oil	Safer Brand Garden Fungicide, Insecticide & Miticide Read-to-Use Spray	Ringer Aphid Mite Attack/Fruit & Vegetable	Purespray Green and Purespray Spray Oil 10E	
Locusts & Grass-hoppers	6	Essentria IC3	Prokil Cryolite 96 or 50 Dust	Surround WP Crop Protectant	EcoPCO ACU		

Insect Pest	# of Neonic-Free Tier 3 Products	Neonic-Free Products of Least Concern to Honey Bees					
		* Neonic-free products which may be linked to health and/or other wildlife and aquatic impacts are marked with asterisk ** Insecticidal soaps, horticultural oils & limonene are low risk to bees if applied at night, when bees are inactive					
Loopers	22	Agree 50 WP or Agree WG	Cinnacure A3005	* BT 320 Sulfur 25 Dust	Dipel Regular or 2X Biological Insecticide Wettable Powder	Dipel Bio Garden Spray or Dipel WP Home & Garden Insecticide	Bonide Bacillus Thuringiensis (BT) Moth Larvae Control
Midges	7	BPM 144 (2X)	BMP 144	KBR 3023 All-family Insect Repellant Non-aerosol Spray	* Agnique MMF GR Mosquito Liquid	Vectobac 12AS Biological Larvicide	
Mites	71	BFR 440 Supreme Spray oil	Safer Brand Garden Fungicide, Insecticide & Miticide Ready-to-Use	BFR 440 Supreme Spray Oil	Cinnacure A3005	** Orange Guard for Ornamental Plants	
Mosquitoes	35	Bonide Mosquito Beater WSP	BMP 144	Cutter Natural Insect Repellent	Vectobac – AS or 12As Biologic Larvicide	Bacillus Thuringiensis, Citronella oil, Linalool, Oil of Lemon Eucalyptus,	EcoPCO ACU
Psylla & Psyllids	22	BFR 440 Supreme Spray Oil	Britz 415 or Supreme Spray Oil	Gavicide Super 90	Golden Pest Spray Oil	Purespray Green or Purespray Spray Oil	
Roaches	41	Gourmet Ant Bait Gel	Safer Roach & Ant Killing Powder	EcoSmart Ant & Roach Killer	Dri-out Insecticide	EcoPCO ACU	Redzone Bait
Scale Insects	29	BFR 440 Supreme Spray Oil	Britz 415 Supreme Oil or Spray Oil	Cinnacure A3005	Safer Brand Garden Fungicide, Insecticide & Miticide Ready-to-Use Spray	** Orange Guard for Ornamental Plants	
Spiders	12	EcoSmart Spider Blaster	Dri-out Insecticide	** Whitmire Micro-Gen TC 232	EcoSmart Insect Killer Spray for Lawns & Landscapes	EcoPCO ACU	Sticky traps
Termites	290	BorActin Insecticide Powder	Aphid-Pruf	Bonide Bacillus Thuringiensis (BT) Moth Larvae (Caterpillar) Control	Zone Defense	Agent Gold	Silica aerogel, Boric acid, Metarhizium anisoplae, Nematodes
Thrips	33	Golden Pest Spray Oil	Dusting Sulfur Fungicide-Insecticide	Cosavet DF	BFR 440 Supreme Spray Oil	Cinnacure A3005	
Webworms	23	Bonide Bacillus Thuringiensis (BT) Moth Larvae (Caterpillar) Control	Bonide Dipem 150 Dust for Vegetables	Dipel Regular or 2X Biological Insecticide Wettable Powder or Dipel Bio Garden Spray I	Golden Pest Spray Oil	Purespray Green or Purespray Spray Oil 10E	
Weevils	17	Prokil Cryolite 50 Dust	Agree 50 WP	Cinnacure A3005	EcoPCO ACU	Essentria IC3	
Whiteflies	25	Golden Pest Spray Oil	Aphid-Pruf	Cinnacure A3005	Gavicide Super 90	Insecticidal soap, sticky tape and cards	
Wood-boring Beetles	19	Prokil Cryolite 96	Cinnacure A3005	* Board Defense	Beetleblock-Verbenone	* Sunspray 6E	

Understanding Pesticide Hazard Tier Rating* The LEED-compliant pesticide product Hazard Tier Rating system, Pesticide Product Hazard Tier rankings, allow consumers and property managers to make informed decisions about choosing less toxic neonicotinoid-free pesticide products. (PRI Hazard Tier Evaluator, www.pesticideresearch.com)



Hazard Tier 1 – HIGHEST CONCERN - Over 230 products contain neonicotinoids are rated Tier 1

The formulated product is listed by US EPA as a Restricted Use Product (RUP), and/or is highly toxic to people, fish or other aquatic life, birds, wildlife, or honey bees.



Hazard Tier 2 – MODERATE CONCERN - Over 30 products contain neonicotinoids are rated Tier 2

The formulated product is moderately toxic to people, fish or other aquatic life, birds, wildlife, or honey bees.



Hazard Tier 3 – LOWER CONCERN - Over 290 products (none contain neonicotinoids) are rated Tier 3

The formulated product is listed as low acute toxicity and/or has no warnings about toxicity to honey bees.

Neonicotinoid chemical names include: **Acetamiprid, Clothianidin, Dinotefuran, Imidacloprid, Nitenpyram (commonly sold as Capstar), Thiacloprid and Thiamethoxam.**

The Smart on Pesticides Maryland coalition works to protect Marylanders and the natural systems we depend upon from the toxic impacts of pesticides. The coalition includes more than 55 organizations, and institutions representing communities, businesses, health care providers, farmers, environmentalists, Waterkeepers, interfaith congregants as well as environmental justice, public health and wildlife advocates