

Chemical Factsheet

Cypermethrin

Includes alpha-cypermethrin

General Information

- Fact Sheets: [Synthetic Pyrethroids.pdf](#), [Cypermethrin.pdf](#)
- Product Names:
 - Bonide Cyper-Eight Concentrate** (Bonide Products), formulated with petroleum distillates
 - Ammo** (FMC)
 - Arrivo**
 - Barricade**
 - Basathrin**
 - Cymbush**
 - Cyperator**
 - Cynoff FMC**
 - Cypercopal**
 - Cyperguard**
 - Cyperkill**
 - Demon** (Syngenta)
 - Crash! Wipe-On Insecticide/Repellent** (Farnam), formulated with Butoxypolypropylene glycol, Dipropyl isocinchomeronate, [Piperonyl butoxide](#), [Pyrethrins](#)
 - Crossfire Multi-Purpose** (Farnam), formulated with Allethrin, [Piperonyl butoxide](#)
 - Prevail** (FMC)
- Chemical Class: Synthetic pyrethroid insecticide
- Uses: Agricultural use as a foliar application on food and feed crops including cotton, pecans, peanuts, broccoli, and sweet corn, livestock and horses. industrial, commercial, and residential sites; soil residual termiticide.
- Alternatives: [Organic lawn care](#), [Least-toxic insecticides](#), [Organic Agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Possible (1)
- Endocrine Disruption: Yes (2)
- Reproductive Effects: Yes (3)
- Neurotoxicity: Yes (4)
- Kidney/Liver Damage: Yes (4)
- Sensitizer/ Irritant: Yes (5)
- Birth/Developmental: Yes (5)
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (6)
- Toxic to Bees: Yes (6)

Residential Uses as Found in the ManageSafe™ Database

- [Ants](#)
- [Carpenter Bees](#)
- [Centipedes](#)
- [Chiggers](#)
- [Fleas](#)
- [Wasps and Yellowjackets](#)
- [Termites](#)
- [Spiders](#)
- [Chinch Bugs](#)
- [Cockroaches](#)
- [Bagworms](#)
- [Bed Bugs](#)
- [Carpenter Ants](#)
- [Fire Ants](#)

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision](#) (RED) signed (1/2008)
 - [Beyond Pesticides Comments](#) (September 2025)
- Supporting information:
 - [Daily News Blog entries](#) (Beyond Pesticides)
 - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
 - [NCAP Cypermethrin Factsheet](#) (Northwest Coalition for Alternatives to Pesticides)
 - [Exttoxnet Cypermethrin Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database: Cypermethrin](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Common Pesticides Poison Homes](#) (Beyond Pesticides)
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Gateway Health and Environmental Effects Citations

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