Chemical Factsheet

Cyfluthrin

General Information

- Fact Sheets: cyfluthrin.pdf, Synthetic Pyrethroids.pdf
- Product Names:
  Lawn & Garden Multi Insect Killer Concentrate (Bayer)
  Ultrastop Home Insect Killer II (Value Gardens)
  Bug-B-Gon (Scotts Company)
  Baythroid (Bayer)
  Aztec (Bayer), formulated with Phostebupirim
  PT Cy-Kick (BASF)
- Chemical Class: Synthetic pyrethroid insecticide
- Uses: Agriculture and food handling, Mosquito control
- Alternatives: Organic agriculture, Least-Toxics
- Beyond Pesticides rating: Toxic

Health and Environmental Effects

See citations at end of document.

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

Residential Uses as Found in the ManageSafe™ Database

- Bagworms
- Carpenter Ants
- Carpenter Bees
- Tree-boring Caterpillars
- Cockroaches
- Ants
- Bed Bugs
- Chinch Bugs
- Fleas
- Gypsy Moths
- Spiders

- Chiggers
- Grubs
- Termites
- Ticks
- Wasps and Yellowjackets
- Thrips
- Fire Ants

Additional Information

- Regulatory Status:
  - Beyond Pesticides' Tolerance Comments (April 2026)
- Supporting information:
  - Daily News Blog entries (Beyond Pesticides)
  - Asthma, Children and Pesticides (Beyond Pesticides)
  - NCAP Cyfluthrin Factsheet (Northwest Coalition for Alternatives to Pesticides)
  - Extoxnet Cyfluthrin Factsheet (Extension Toxicology Network)
  - PAN Pesticides Database:Cyfluthrin (Pesticide Action Network)
- Studies [compiled from the Pesticide-Induced Diseases Database]
  - Common Pesticides Poison Homes (Beyond Pesticides)
  - Assessing Field-Scale Risks of Foliar Insecticide Applications to Monarch Butterfly (Danaus plexippus) Larvae. Krishnan, N., Zhang, Y., Bidne, K.G., Hellmich, R.L., Coats, J.R. and Bradbury, S.P., 2020. Environmental Toxicology and Chemistry, 39(4), pp.923-941.
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  - Pre-Conception And First Trimester Exposure To Pesticides And Associations With Stillbirth. Furlong, M. et al. (2024) Pre-conception and first trimester exposure to pesticides and associations with stillbirth, American Journal of Epidemiology. Available at: https://academic.oup.com/aje/advance-article-abstract/doi/10.1093/aje/kwae198/7714541 .
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Gateway Health and Environmental Effects Citations

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