

# Chemical Factsheet

## Chlorpyrifos

### General Information

- Fact Sheet: [Chlorpyrifos.pdf](#)
- Product Names:
  - Chemsico roach control** (Chemiso)
  - Pyrinex mole cricket bait** (Micro-Flo)
  - Dursban** (Dow AgroSciences)
  - Lorsban** (Dow AgroSciences)
  - Ortho Ant Stop** (Solaris Group), formulated with Calcium silicate, Aromatic petroleum distillates
  - Ortho Dursban Lawn & Garden Insect Control** (Solaris Group), formulated with Calcium silicate
  - Bonide Termite & Carpenter Ant Dust** (Bonide Products)
  - Raid Ant Bait** (SC Johnson)
  - Hot Shot Maxattrax Roach Bait** (Spectrum Brands)
- Chemical Class: Organophosphate insecticide
- Uses: food and feed crops, golf courses, as a non-structural wood treatment, and as an adult mosquitocide
- Alternatives: [Agriculture](#), [Nonresidential buildings](#)
- Beyond Pesticides rating: [Toxic](#)

### Health and Environmental Effects

*See citations at end of document.*

- Cancer: Not documented
- Endocrine Disruption: Yes (1)
- Reproductive Effects: Yes (2, 3)
- Neurotoxicity: Yes (4)
- Kidney/Liver Damage: Yes (5)
- Sensitizer/ Irritant: Yes (6)
- Birth/Developmental: Yes (2)
- Detected in Groundwater: Yes (2)
- Potential Leacher: Yes (2)
- Toxic to Birds: Yes (4)
- Toxic to Fish/Aquatic Organisms: Yes (4, 7)
- Toxic to Bees: Yes (4)

### Residential Uses as Found in the ManageSafe™ Database

- [Tree-boring Caterpillars](#)
- [Wasps and Yellowjackets](#)
- [Carpenter Bees](#)
- [Cockroaches](#)
- [Bed Bugs](#)

- [Ticks](#)

## Additional Information

- Regulatory Status:
  - [EPA's Chlorpyrifos Background and Updates](#) and [FAQ](#)
  - [EPA Update on the Use of the Pesticide Chlorpyrifos on Food](#) (2026)
  - [Beyond Pesticides' Comments](#) (March 2025)
  - [EPA Issues a Final Cancellation and Termination of Uses Order for Several Chlorpyrifos Products](#) (December 2024)
  - [EPA Proposes Rule to Revoke Most Food Uses of the Insecticide Chlorpyrifos](#) (December 2024)
  - [Tolerance Revocations: Chlorpyrifos](#) (2021)
  - [Beyond Pesticides' California Department of Pesticide Regulation Human Health Effects comments](#) (2017)
  - [Beyond Pesticides' comments on EPA Tolerance Revocations](#) (2017)
  - [EPA denies a petition requesting that EPA revoke all tolerances for the pesticide chlorpyrifos](#) (2017)
  - [EPA Requests for Columbia Study's Data](#) (2017)
  - [Revised 2016 Human Health Risk Assessment](#)
  - [NMFS Biological Opinion for Pesticides: Chlorpyrifos, Diazinon, and Malathion](#) (2017)
  - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (7/2006)
  - [Beyond Pesticides' EPA Risk Assessment comments](#) (2000)
- Supporting information:
  - [Daily News Blog entries](#) (Beyond Pesticides)
  - [Widely Used Pesticide in Food Production Damages Children's Brains](#) (Beyond Pesticides, 2017)
  - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
  - [The Low Down on Dursban](#) (Beyond Pesticides)
  - [Alternatives to Using Chlorpyrifos](#) (Beyond Pesticides)
  - [Safer Choice](#) (Beyond Pesticides)
  - [NCAP Chlorpyrifos Factsheet](#) (Northwest Coalition for Alternatives to Pesticides)
  - [Exttoxnet Chlorpyrifos Factsheet](#) (Extension Toxicology Network)
  - [PAN Pesticides Database:Chlorpyrifos](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
  - [Effects of chlorpyrifos on the crustacean \*Litopenaeus vannamei\*](#) Duarte-Restrepo, E., Jaramillo-Colorado, B.E. and Duarte-Jaramillo, L., 2020. *PloS one*, 15(4), p.e0231310.
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  - [Top 15 Farmworker Poison](#)
  - [7-Year Neurodevelopmental Scores and Prenatal Exposure to Chlorpyrifos, a Common Agricultural Pesticide.](#) Rauh V, Arunajadai S, Horton M, Perera F, Hoepner L, Barr DB, et al.

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