

Chemical Factsheet

Fenoxycarb

General Information

- Product Names:
 - Ortho Fire Ant Bait** (Monsanto)
 - Logic Fire Ant Bait** (Syngenta)
 - Fenoxycarb Technical** (Syngenta)
 - Fenoxycarb %1 Bait** (Syngenta)
 - Precision** (Syngenta)
- Chemical Class: Carbamate insecticide
- Uses: Fire Ant and Big Headed Ants in ornamentals, home lawns and landscaped areas around home, non-crop areas, horse farms, sod farms, non-grazed areas on farm, nurseries, and turf
- Alternatives: [Residential ants](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

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

Residential Uses as Found in the ManageSafe™ Database

- [Fleas](#)
- [Fire Ants](#)

Additional Information

- Regulatory Status:
 - Pending (residential uses cancelled 1/08) [EPA's fenoxycarb review site](#)
- Supporting information:
 - [Daily News Blog entries](#) (Beyond Pesticides)
 - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
 - [Exttoxnet Fenoxycarb Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database: Fenoxycarb](#) (Pesticide Action Network)

- [Scorecard: Fenoxycarb](#) (Environmental Defense Fund)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Impact of Endocrine Disrupting Pesticide Use on Obesity: A Systematic Review](#). Pérez-Bermejo, M. et al. (2024) Impact of Endocrine Disrupting Pesticide Use on Obesity: A Systematic Review, Biomedicines. Available at: <https://www.mdpi.com/2227-9059/12/12/2677>.

Gateway Health and Environmental Effects Citations

1. California Environmental Protection Agency. Proposition 65: Chemicals Known to the State to Cause Cancer or Reproductive Toxicity. Office of Environmental Health Hazard Assessment. February 25, 2022. <https://oehha.ca.gov/media/downloads/proposition-65//p65chemicalslistsinglelisttable2021p.pdf>
2. EPA weight-of-evidence category, "Likely to be carcinogenic to humans." US EPA, 2005. Office of Pesticide Programs. List of Chemicals Evaluated for Carcinogenic Potential. May 10, 2005. <http://www.fluoridealert.org/wp-content/pesticides/pesticides.cancer.potential.2006.pdf>
3. US EPA, 2000. Table 1: Toxicity Data by Category for Chemicals Listed under EPCRA Section 313. Toxic Release Inventory (TRI) Program. https://www.epa.gov/sites/production/files/documents/hazard_categories.pdf
4. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles. <http://extoxnet.orst.edu/pips/ghindex.html>

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