

Chemical Factsheet

Fenthion

General Information

- Fact Sheet: [Fenthion.pdf](#)
- Product Names:
No Currently Registered Products
- Chemical Class: Organophosphate insecticide
- Uses: Cancelled
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

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

Additional Information

- Regulatory Status:
 - [Cancellation of all registrations](#) (effective 11/2004)
 - [EPA Interim Reregistration Eligibility Decision \(RED\) signed](#) (1/2001)
 - Beyond Pesticides' Organophosphate cumulative risk [comments](#).
- Supporting information:
 - [Daily News Blog entries](#) (Beyond Pesticides)
 - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
 - [Exttoxnet Fenthion Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database:Fenthion](#) (Pesticide Action Network)
 - [ABC Fenthion Factsheet](#) (American Bird Conservancy)
 - [Scorecard Fenthion Factsheet](#) (Environmental Defense Fund)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Assessment of genetic effects and pesticide exposure of farmers in NW Greece](#). Moshou, H., Karakitsou, A., Yfanti, F., Hela, D., Vlastos, D., Paschalidou, A.K., Kassomenos, P. and Petrou, I., 2020. Environmental Research, p.109558.
 - [Case fatality of agricultural pesticides after self-poisoning in Sri Lanka: a prospective cohort study](#). Buckley, N. A., Fahim, M., Raubenheimer, J., Gawarammana, I. B., Eddleston,

M., Roberts, M. S., & Dawson, A. H. (2021). Case fatality of agricultural pesticides after self-poisoning in Sri Lanka: a prospective cohort study. *The Lancet. Global health*, 9(6), e854–e862. [https://doi.org/10.1016/S2214-109X\(21\)00086-3](https://doi.org/10.1016/S2214-109X(21)00086-3)

- [Pesticides residues and metabolites in honeybees: A Greek overview exploring Varroa and Nosema potential synergies](#). Kasiotis, Konstantinos M et al. "Pesticides residues and metabolites in honeybees: A Greek overview exploring Varroa and Nosema potential synergies." *The Science of the total environment* vol. 769 (2021): 145213. doi:10.1016/j.scitotenv.2021.145213
- [Temporal trends of agricultural organophosphate pesticide use in California and proximity to pregnant people in 2021](#). Rotkin-Ellman, M., Carpenter, C., Richardson, M.J. et al. Temporal trends of agricultural organophosphate pesticide use in California and proximity to pregnant people in 2021. *BMC Public Health* 25, 3121 (2025). <https://doi.org/10.1186/s12889-025-23939-y>

Gateway Health and Environmental Effects Citations

1. 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
2. US EPA, Office of Prevention, Pesticides and Toxic Substances, Reregistration Eligibility Decisions (REDs), Interim REDs (iREDs) and RED Factsheets. <https://archive.epa.gov/pesticides/reregistration/web/html/status.html>.
3. Tew, J.E. 1996. Protecting Honeybees from Pesticides. Ohio State University Cooperative Extension. <http://web.archive.org/web/20031123075324/http://beelab.osu.edu/factsheets/sheets/2161.html>

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