

Chemical Factsheet

Tralomethrin

General Information

- Product Names:
 - Ze Lin Chen Chalk** (Ze Lin Chen)
 - Dead-Fast Insecticide Chalk** (Bernard I. Segal)
- Chemical Class: Pyrethroid Insecticide
- Uses: Control of aphids, worms, ants, gnats, moths, beetles, grasshoppers, mites, midges, spiders, ticks, yellow jackets, maggots, thrips, caterpillars, flies, fleas, and other pests on broccoli, cotton, lettuce, soybeans, sunflowers, residential settings, hospitals, eating establishments, meat processing plants, greenhouses, and other areas
- Alternatives: [Organic agriculture](#)
- 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) metabolized into Deltamethrin
- 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: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (2)
- Toxic to Bees: Yes (3)

Residential Uses as Found in the ManageSafe™ Database

- [Ants](#)
- [Chiggers](#)
- [Cockroaches](#)
- [Wasps and Yellowjackets](#)

Additional Information

- Regulatory Status:
 - [Tralomethrin Summary Document Registration Review](#): Initial Docket March 2010
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Urinary pesticide biomarkers from adolescence to young adulthood in an agricultural setting in Ecuador: Study of secondary exposure to pesticides among children, adolescents, and adults \(ESPINA\) 2016 and 2022 examination data](#). Parajuli, R. et al.

(2025) Urinary pesticide biomarkers from adolescence to young adulthood in an agricultural setting in Ecuador: Study of secondary exposure to pesticides among children, adolescents, and adults (ESPINA) 2016 and 2022 examination data, Data in Brief. Available at:
<https://www.sciencedirect.com/science/article/pii/S2352340925006067>.

Gateway Health and Environmental Effects Citations

1. 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>.
2. Pesticide Action Network Pesticide Database. http://www.pesticideinfo.org/Search_Chemicals.jsp.
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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