

Chemical Factsheet

Triphenyltin Hydroxide/Fentin Hydroxide (TPTH)

General Information

- Product Names:
 - Agri Tin (Nufarm)
 - Enable (Nufarm) formulated with [Fenbuconazole](#)
 - Orbit 45 Agpak / Dupont Super Tin 80WP Agpack (United Phosphorous) formulated with [Propiconazole](#)
- Chemical Class: Organotin fungicide
- Uses: Non-systemic foliar fungicide applied to pecans, potatoes, and sugarbeets for control of early and late blight on potatoes and Colorado potato beetle; leaf spot on sugar beets; scab, brown leaf spot and other diseases on pecans
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

Health and Environmental Effects

See *citations* at end of document.

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

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision](#) Signed 9/1999
- Supporting information:
 - PAN Pesticides Database: [Fentin Hydroxide](#) (Pesticide Action Network)

Gateway Health and Environmental Effects Citations

1. EPA weight-of-evidence category, "Group B2 – Probable Human Carcinogen." US EPA, 2005. Office of Pesticide Programs. List of Chemicals Evaluated for Carcinogenic Potential. May 10, 2005.
<http://www.epa.gov/pesticides/carlist/>
2. 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>

3. Pesticide Action Network Pesticide Database. http://www.pesticideinfo.org/Search_Chemicals.jsp.

4. 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>.

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