

Chemical Factsheet

Thiodicarb

General Information

- Product Names:
 - EXP3 Seed** (Bayer)
 - Aeris Seed** (Bayer) formulated with [Imidacloprid](#)
 - Aeris Votivo** (Bayer) formulated with [Bt](#), and [Imidacloprid](#)
- Uses: Insect control on cotton, sweet corn, soybeans, leafy vegetables, cole crops, ornamentals, and other minor use sites
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Probable (1)
- Endocrine Disruption: Not documented
- Reproductive Effects: Yes (1) [breaks down to methomyl]
- Neurotoxicity: Yes (1) [breaks down to methomyl]
- Kidney/Liver Damage: Yes (1)
- Sensitizer/ Irritant: Slight (1)
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Yes (1)
- Toxic to Birds: Yes (1)
- Toxic to Fish/Aquatic Organisms: Yes (1)
- Toxic to Bees: Yes (1)

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision](#) (RED) (revised 1998)
- Supporting information:
 - [PAN Pesticides Database: Thiodicarb](#) (Pesticide Action Network)

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>.

Factsheet generated on February 1, 2026