

Chemical Factsheet

Thiobencarb

General Information

- Product Names:
 - **Bolero** (Valent)
 - **League MVP** (Valent) formulated with Imazosulfuron
- Chemical Class: Carbamate Herbicide
- Uses: Control of grasses, sedge and broadleaf weeds in food crops such as rice (represents 95% of use), lettuce, celery, and endive
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

Health and Environmental Effects

See citations at end of document.

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

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision](#) signed 9/1997
- Supporting information:
 - PAN Pesticides Database: [Thiobencarb](#) (Pesticide Action Network)
 - [California Environmental Protection Agency Public Health Goals for Chemicals in Drinking Water: Thiobencarb](#) 8/2000
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Pesticide-Induced Inflammation at a Glance](#). Lopes-Ferreira, M. et al. (2023) 'Pesticide-induced inflammation at a glance', Toxics, 11(11), p. 896. doi:10.3390/toxics11110896.

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>.

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