

# Chemical Factsheet

## Thiobencarb

### General Information

- Product Names:
  - **Bolero** (Valent)
  - **League MVP** (Valent) formulated with Imazoslfuron
- 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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