

Chemical Factsheet

Mevinphos

General Information

- Fact Sheet: [Mevinphos.pdf](#)
- Product Names:
 - Shell Phosdrin Insecticide** (Shell Chemical)
 - Niagara Phosdrin** (FMC)
 - Master Brand Phosdrin** (Stevens Industries)
 - Royal Brand Phosdrin** (Southern Agricultural Chemicals)
 - Fasco Phosdrin** (Landia Chemical), formulated with [Endosulfan](#)
- Chemical Class: Organophosphate insecticide
- Uses: No registered uses historically used on vegetables and fruits, predominantly lettuce and cole crops.
- Alternatives: [Organic agriculture](#), [Least-toxic insecticides](#)
- 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)
- Kidney/Liver Damage: Yes (1)
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Yes (1)
- Toxic to Birds: Yes (2)
- Toxic to Fish/Aquatic Organisms: Yes (2)
- Toxic to Bees: Yes (3)

Additional Information

- Regulatory Status:
 - [EPA Tolerance Reassessment Progress and Interim Risk Management Decision Decision \(TRED\) signed](#) (12/2001)
 - Beyond Pesticides' Organophosphate cumulative risk [comments](#).
- Supporting information:
 - [Exttoxnet Mevinphos Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database: Mevinphos](#) (Pesticide Action Network)
 - [Scorecard Mevinphos Factsheet](#) (Environmental Defense Fund)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Pesticide exposure and sleep disorder: A cross-sectional study among Thai farmers](#). Juntarawijit, C. et al. (2025) Pesticide exposure and sleep disorder: A cross-sectional study

among Thai farmers, Heliyon. Available at:

[https://www.cell.com/heliyon/fulltext/S2405-8440\(24\)17154-X](https://www.cell.com/heliyon/fulltext/S2405-8440(24)17154-X).

- [Temporal trends of agricultural organophosphate pesticide use in California and proximity to pregnant people in 2021](#). Rotkin-Ellman, M., Carpenter, C., Richardson, M.J. et al. Temporal trends of agricultural organophosphate pesticide use in California and proximity to pregnant people in 2021. BMC Public Health 25, 3121 (2025). <https://doi.org/10.1186/s12889-025-23939-y>

Gateway Health and Environmental Effects Citations

1. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.

<http://extoxnet.orst.edu/pips/ghindex.html>

2. 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>.

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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