

Chemical Factsheet

Imazapyr

General Information

- Product Names:
 - Topsite** (BASF) formulated with [Diuron](#)
 - Arsenal** (BASF)
 - Sahara** (BASF) formulated with [Diuron](#)
 - Lighting** (BASF) formulated with [Imazethapyr](#)
 - Polaris** (nufarm)
 - Mohave** (Makhteshim) [Diuron](#)
- Chemical Class: imidazolinone herbicide
- Uses: Agriculture, forestry, right-of-way, lawns and landscapes.
- Alternatives: [Organic agriculture](#), [least-toxic right-of-way management](#), [organic lawn care](#)
- 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: Not documented
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Yes (1)
- Birth/Developmental: Not documented
- Detected in Groundwater: Yes (1)
- Potential Leacher: Yes (1)
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: yes (2)
- Toxic to Bees: yes (2)

Additional Information

- Regulatory Status:
 - [EPA Registration Eligibility Decision \(RED\)](#) signed (09/2006)
- Supporting information:
 - [PAN Pesticides Database](#): (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Exposure impacts of Imazapyr formulation on larval development and thyroid histology of Xenopus laevis](#). Babalola, O.O. and van Wyk, J.H. (2021) Exposure impacts of Imazapyr formulation on larval development and thyroid histology of Xenopus laevis, Environmental Science and Pollution Research. Available at: <https://link.springer.com/article/10.1007/s11356-021-14227-4>.

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>.

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

Factsheet generated on June 23, 2026