

Chemical Factsheet

Prodiamine

General Information

- Chemical Class: Herbicide
- Uses: Rights-of-way, conifer and hardwood seedling nurseries, established perennial and wildflower plantings, established turf sites, residential and institutional lawns, commercial sod farms, golf courses, railways, and landscape ornamentals; Special Local Need (SLN) registrations in California and Arizona for use on irrigation drainage ditches, spreading grounds, channels, canals, and levees in wastewater treatment facilities
- Alternatives: [Organic agriculture](#), [lawns/landscapes](#), [golf course](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Yes (1)
- Endocrine Disruption: Suggestive Evidence (1, 2)
- Reproductive Effects: Possible (3)
- Neurotoxicity: Yes (1)
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Possible (3)
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

Residential Uses as Found in the ManageSafe™ Database

- [Annual Bluegrass](#)
- [Crabgrass](#)
- [Knotweed](#)

Additional Information

- Regulatory Status:
 - [Prodiamine Summary Document](#) (EPA, 2010)
- Supporting information:
 - [Prodiamine Fact Sheet](#) (NPIC)

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. Stoker, T.E. and Kavlock, R.J., 2010. Pesticides as endocrine-disrupting chemicals. In *Hayes' Handbook of Pesticide Toxicology* (pp. 551-569). Academic Press.

<https://doi.org/10.1016/B978-0-12-374367-1.00018-5>

3. Knudsen, T.B., Martin, M.T., Kavlock, R.J., Judson, R.S., Dix, D.J. and Singh, A.V., 2009. Profiling the activity of environmental chemicals in prenatal developmental toxicity studies using the US EPA's ToxRefDB. *Reproductive toxicology*, 28(2), pp.209-219. <https://doi.org/10.1016/j.reprotox.2009.03.016>

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