

Chemical Factsheet

Prometryn

General Information

- Product Names:
 - **Caparol** (Syngenta)
 - **Suprend** (Syngenta) formulated with [Trifloxsulfuron-sodium](#)
 - **Proetrex technical** (Verolit)
 - **Cotton-Pro** (Makhetshim)
- Chemical Class: Substituted thiomethyl triazine herbicide
- Uses: Applied to celery, dill, pigeon peas, and cotton for control of broadleaf weeds including: black nightshade, cocklebur, coffeeweed, dock, Florida pusley, ground-cherry, henbit, lambsquarters, mallow, morningglory, mustard, pigweed, prairie sunflower, prickly sida, purslane, ragweed, rough blackfoot, smartweed, spurred anoda; and grasses including: barnyardgrass, crabgrass, foxtail, goosegrass, junglerice, panicum, sandbur, signalgrass, and wild oat.
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

Health and Environmental Effects

See citations at end of document.

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

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision](#) signed 2/1996
- Supporting information:
 - PAN Pesticides Database: [Prometryn](#) (Pesticide Action Network)
 - [EXTOXNET factsheet](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Occurrence and ecological risk of typical pesticides in a river-lake system](#). Qin, Y. et al. (2025) Occurrence and ecological risk of typical pesticides in a river-lake system, Water Science and Engineering. Available at:

[https://www.sciencedirect.com/science/article/pii/S1674237025000833.](https://www.sciencedirect.com/science/article/pii/S1674237025000833)

Gateway Health and Environmental Effects Citations

1. European Commission. Endocrine Disruptors: Study on Gathering Information on 435 Substances with Insufficient Data. Final Report. EU DG Environment: B4-3040/2001/325850/MAR/C2. BKH Consulting Engineers: M0355037. November 2002.

http://ec.europa.eu/environment/chemicals/endocrine/pdf/bkh_report.pdf#page=76.

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>.

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