

Chemical Factsheet

Metribuzin

General Information

- Product Names:
 - Sencor** (Bayer)
 - Domain** (Bayer) formulated with [Flufenacet](#)
 - F6482** (FMC) formulated [Sulfentrazone](#)
 - Canopy** (Du Pont) formulated with Chlorimuron
 - Metric MBZ** (Winfield)
 - Metri** (United Phosphorus)
 - Cloak** (Nufarm) formulated with Chlorimuron
- Chemical Class: Triazine herbicide
- Uses: Control of broadleaf weeds and grasses on food crops: wheat, asparagus, carrots, tomato, barley, corn, wheat, peas, soybean, potato, garbanzos, lentils, sugarcane; feed crops: barley, bermudagrass, bluegrass, grass (forage/fodder/hay), timothy, wheat, alfalfa, lentils, sainfoin; non-food crop: grasses grown for seed, recreational areas, ornamental lawns and turf (no residential uses).
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Yes (1, 2)
- Reproductive Effects: Yes (3)
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Yes (4)
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Yes (3)
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Yes (3)
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision](#) (RED) signed (6/1997)
- Supporting information:
 - [Exttoxnet Metribuzin Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticide Database - Metribuzin](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Agricultural pesticide use and risk of glioma in Nebraska, United States](#). Lee, W., et al.

2005. Occupational and Environmental Medicine 62(11):786-792
- [Aqueous chlorination of herbicide metribuzin: Identification and elucidation of "new" disinfection by-products, degradation pathway and toxicity evaluation](#). de Barros, André Luis Corrêa et al. "Aqueous chlorination of herbicide metribuzin: Identification and elucidation of "new" disinfection by-products, degradation pathway and toxicity evaluation." Water research vol. 189 (2021): 116545. doi:10.1016/j.watres.2020.116545
 - [Species-specific aquatic habitat use predicts pesticide residues in feces of insectivorous birds and bats](#). Lorenz, S. et al. (2026) Species-specific aquatic habitat use predicts pesticide residues in feces of insectivorous birds and bats, Environmental Pollution. Available at: <https://www.sciencedirect.com/science/article/pii/S0269749126005762>.

Gateway Health and Environmental Effects Citations

1. Colborn, T., D. Dumanoski, and J.P. Myers. 1996. Our Stolen Future: Are We Threatening Our Fertility, Intelligence, and Survival? New York: Dutton. <http://ourstolenfuture.org/Basics/chemlist.htm>
2. 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.
3. 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>.
4. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles. <http://extoxnet.orst.edu/pips/ghindex.html>

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