

Chemical Factsheet

Triclopyr

General Information

- Fact Sheet: [Triclopyr.pdf](#)
- Product Names:
 - Forestry Garlon 4** (Dow)
 - Garlon 4** (Dow)
 - Remedy** (Dow)
 - Turflon Ester** (Dow)
 - Garlon 3A** (Dow)
 - Grandstand CA** (Dow)
 - Grandstand R** (Dow)
 - Pathfinder II** (Dow)
 - Remedy RTU** (Dow)
 - Redeem R&P** (Dow), formulated with [Clopyralid](#) TEA
 - Confront** (Dow), formulated with [Clopyralid](#)
 - PastureGard** (Dow), formulated with Fluroxypyr
- Chemical Class: Pyridine compound herbicide
- Uses: Control broad leaf weeds and brush on rights-of-way, pasture and rangelands, forests, rice, and turf, including home lawns
- Alternatives: [Least-Toxic Weed Managment](#), [Organic Agriculture](#), [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: Yes (1)
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Yes (2)
- Sensitizer/ Irritant: Yes (3)
- Birth/Developmental: Yes (1)
- Detected in Groundwater: Yes (1)
- Potential Leacher: Yes (3)
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (3)
- Toxic to Bees: Not documented

Residential Uses as Found in the ManageSafe™ Database

- [Dandelions](#)
- [Plantains](#)
- [Japanese Knotweed](#)
- [Chickweed](#)

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (9/1997)
 - [Beyond Pesticides Comments](#) (September 2025)
- Supporting information:
 - [The Safer Choice](#) (Beyond Pesticides)
 - [NCAP Triclopyr Factsheet](#) (Northwest Coalition for Alternatives to Pesticides)
 - [Exttoxnet Triclopyr Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database: Triclopyr](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [US EPA's regulatory pesticide evaluations need clearer guidelines for considering mammary gland tumors and other mammary gland effects](#). Cardona, B. and Rudel, R.A., 2020. Molecular and Cellular Endocrinology, p.110927.
 - [A case of fatal intoxication by ingestion of an herbicide formulation containing fluroxypyr-meptyl and triclopyr](#). Jang, M. et al. (2021) A case of fatal intoxication by ingestion of an herbicide formulation containing fluroxypyr-meptyl and triclopyr, Forensic Science International. Available at: <https://www.sciencedirect.com/science/article/abs/pii/S0379073821000372>.
 - [Persistence of triclopyr, dicamba, and picloram in the environment following aerial spraying for control of dense pine invasion](#). Rolando, C.A. et al. (2023) Persistence of Triclopyr, dicamba, and Picloram in the environment following aerial spraying for control of dense pine invasion, Invasive Plant Science and Management. Available at: <https://www.cambridge.org/core/journals/invasive-plant-science-and-management/article/persistence-of-triclopyr-dicamba-and-picloram-in-the-environment-following-aerial-spraying-for-control-of-dense-pine-invasion/EC888894C5B7A927AD5E5A3E0C06CD8D>.
 - [Embryotoxicity Induced by Triclopyr in Zebrafish \(Danio rerio\) Early Life Stage](#). Bertoni, Í. et al. (2024) Embryotoxicity Induced by Triclopyr in Zebrafish (Danio rerio) Early Life Stage, Toxics. Available at: <https://www.mdpi.com/2305-6304/12/4/255>.
 - [Estimating the aquatic risk from exposure to up to twenty-two pesticide active ingredients in waterways discharging to the Great Barrier Reef](#). Warne, M. et al. (2023) Estimating the aquatic risk from exposure to up to twenty-two pesticide active ingredients in waterways discharging to the Great Barrier Reef, Science of The Total Environment. Available at: <https://www.sciencedirect.com/science/article/pii/S0048969723032552>.
 - .
 - [Pesticide Prioritization by Potential Biological Effects in Tributaries of the Laurentian Great Lakes](#). Oliver, S.K., Corsi, S.R., Baldwin, A.K., Nott, M.A., Ankley, G.T., Blackwell, B.R., Villeneuve, D.L., Hladik, M.L., Kolpin, D.W., Loken, L., DeCicco, L.A., Meyer, M.T. and Loftin, K.A. (2023), Pesticide Prioritization by Potential Biological Effects in Tributaries of the Laurentian Great Lakes. Environ Toxicol Chem, 42: 367-384. <https://doi.org/10.1002/etc.5522>

Gateway Health and Environmental Effects Citations

1. Northwest Coalition for Alternatives to Pesticides (NCAP), Pesticide Factsheets. <http://www.pesticide.org/pesticide-factsheets>.
2. US EPA, 2000. Table 1: Toxicity Data by Category for Chemicals Listed under EPCRA Section 313. Toxic Release Inventory (TRI) Program. https://www.epa.gov/sites/production/files/documents/hazard_categories.pdf

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>.

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