

Chemical Factsheet

Oxyfluorfen

General Information

- Product Names:
 - Kleenup Super Edger** (Bondie Products) formulated with [Glyphosate](#)
 - Double O** (Nufarm) formulated with [Oryzalin](#)
 - Two Ox** (Nufarm) formulated with [Oryzalin](#)
 - ETI 105 01 H** (Nufarm)
 - Ortho Fence & Grass Edger** (Scotts) formulated with [Glyphosate](#)
 - End Zone** (Loveland)
 - Regal O-O** (Regal Chemical) formulated with Oxadiazon
 - Biathlon** (OHP) formulated with [Prodiamine](#)
 - Goaltender** (Dow)
 - Goal Technical** (Dow)
 - Rawhide** (Dow) formulated with [Glyphosate](#)
 - Pindar** (Dow) formulated with [Penoxsulam](#)
 - Galigan** (Makhteshim)
 - Chief** (Makhteshim) formulated with [Glyphosate](#)
 - Oxbow** (United Phosphorus)
 - Rocket** (United Phosphorus)
 - OXY** (Summit Agro North America)
- Chemical Class: Diphenyl-ether herbicide
- Uses: Pre- and post-emergent control of annual broadleaf and grassy weeds in a variety of tree fruit, nut, vine, and field crops, forestry, and residential.
- Alternatives: [Organic agriculture](#), [Organic christmas trees](#), [Organic Lawn care](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

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

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (8/2002)
- Supporting information:
 - [Extoxnet Oxyfluorfen Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database: Oxyfluorfen](#) (Pesticide Action Network)
 - [CATs: Oxyfluorfen](#) (Californians for Alternatives to Toxics)
 - [FAN: Oxyfluorfen](#) (Florida Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Hypospadias and residential proximity to pesticide applications.](#). Carmichael SL, Yang W, Roberts EM, et al. 2013. Pediatrics. 132(5):e1216-26
 - [Pesticide contamination of bird species from Doñana National Park \(southwestern Spain\): Temporal trends \(1999-2021\) and reproductive impacts.](#) Peris, A., Baos, R., Martínez, A., Sergio, F., Hiraldo, F. and Eljarrat, E., Available at SSRN 4312955.
 - [Toxicological effects of oxyfluorfen on oxidative stress enzymes in tilapia Oreochromis niloticus.](#) Peixoto, Francisco & Fernandes, Davide & Loureiro dos Santos, Dario & Fontainhas-Fernandes, Antonio. (2006). Toxicological effects of oxyfluorfen on oxidative stress enzymes in tilapia Oreochromis niloticus. Pesticide Biochemistry and Physiology. 85. 91-96. 10.1016/j.pestbp.2005.10.007.

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. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.
<http://extoxnet.orst.edu/pips/ghindex.html>

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