

Chemical Factsheet

Quinclorac

General Information

- Product Names:
Facet, Paramount, Bonide Weed Beater, Drive 75, Clearpath, Onetime
- Chemical Class: Quinoline Carboxylic Acid
- Uses: Agriculture
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

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

Residential Uses as Found in the ManageSafe™ Database

- [Crabgrass](#)

Additional Information

- Regulatory Status:
 - [EPA Registration Review Decision](#) (2015)
 - [EPA Final Workplan](#) (2008)
- Supporting information:
 - [PAN Pesticides Database: Quinclorac](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [From the effective herbicide to the environmental contaminant: A review of recent studies on quinclorac](#). Song, D. et al. (2021) From the effective herbicide to the environmental contaminant: A review of recent studies on quinclorac, Environmental and Experimental Botany. Available at: <https://www.sciencedirect.com/science/article/abs/pii/S0098847221003361>.
 - [Toxicity of atrazine, glyphosate, and quinclorac in bullfrog tadpoles exposed to concentrations below legal limits](#). Dornelles, M.F., Oliveira, G.T. Toxicity of atrazine,

glyphosate, and quinclorac in bullfrog tadpoles exposed to concentrations below legal limits. *Environ Sci Pollut Res* 23, 1610–1620 (2016).

<https://doi.org/10.1007/s11356-015-5388-4>

- [Oxidative stress in carp exposed to quinclorac herbicide under rice field condition](#). Toni, C., Menezes, C., Clasen, B., Leitemperger, J., Pretto, A., Adaime, M. B., Leonardo Martins, M., Zanella, R., & Lucia Loro, V. (2013). *Oxidative stress in carp exposed to quinclorac herbicide under rice field condition. Ecotoxicology and environmental safety*, 92, 27–31. <https://doi.org/10.1016/j.ecoenv.2013.01.028>

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. National Library of Medicine. PubChem Hazardous Substances Database. [PubChem \(nih.gov\)](http://pubchem.ncbi.nlm.nih.gov)

3. Pesticide Action Network Pesticide Database. http://www.pesticideinfo.org/Search_Chemicals.jsp.

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