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)

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

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