

# Chemical Factsheet

## Dithiopyr

### General Information

- Product Names:
  - Dynamo 40 WSP Herbicide (**Nufarm Americas**)
  - Snap PAC Fertilizer With Crabgrass Preventer (**Scotts Company**)
  - Greenview Green Power Crabgrass Prevention And Control (**Lebanon Seaboard Corporation**)
  - Dimension 80 Turf Herbicide With Plant Food (**Knox Fertilizer Company**)
  - Roundup Ready-To-Use Extended Control Weed & Grass Killer 1 Plus Weed formulated with [glyphosate](#) (**Monsanto**)
  - Swiss Farms Crabgrass Preventer (**Swiss Farms**)
- Chemical Class: Pyridinecarboxylic acid
- Uses: Lawns, Ornamental plants
- Alternatives: [Organic Lawn Management](#)
- Beyond Pesticides rating: [Toxic](#)

### Health and Environmental Effects

See citations at end of document.

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

### Residential Uses as Found in the ManageSafe™ Database

- [Annual Bluegrass](#)
- [Crabgrass](#)
- [Knotweed](#)
- [Chickweed](#)

### Additional Information

- Regulatory Status:
  - [EPA Dithiopyr Interim Registration Review Decision](#) (12/2020)
- Supporting information:

- [PAN Pesticides Database:Dithiopyr](#) (Pesticide Action Network)
- [Ontario List Nine Chemical](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
  - [Assessing the Presence of Current-Use Pesticides in Mid-Elevation Sierra Nevada Streams Using Passive Samplers, California, 2018-19](#). De Parsia, M.D., Orlando, J.L., and Hladik, M.L., 2023, Assessing the presence of current-use pesticides in mid-elevation Sierra Nevada streams using passive samplers, California, 2018-19: U.S. Geological Survey Scientific Investigations Report 2022-5129, 31 p., <https://doi.org/10.3133/sir20225129>.
  - [Abiotic and Biotic Degradation of Dithiopyr in Golf Course Greens](#). Hong, S. and Smith, A. (1996) Abiotic and Biotic Degradation of Dithiopyr in Golf Course Greens, Journal of Agricultural and Food Chemistry. Available at: <https://pubs.acs.org/doi/abs/10.1021/jf950768g>.

## Gateway Health and Environmental Effects Citations

1. Fluoride Action Alert Pesticide Project Factsheets. <http://www.fluoridealert.org/f-pesticides.htm>
2. University of California Statewide Integrated Pest Management Program. Pesticide Information. <http://www.ipm.ucdavis.edu/GENERAL/pesticides.html>
3. PAN Pesticide Database. [http://www.pesticideinfo.org/Search\\_Chemicals.jsp](http://www.pesticideinfo.org/Search_Chemicals.jsp)

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