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, Ornimental plants
- Alternatives: Organic Lawn Managment
- 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

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