Chemical Factsheet

Hexazinone

General Information

- Product Names:
  Ouster (Dupont) formulated with Sulfometuron methyl
  Velpar (Dupont)
  Westar (Dupont) formulated with Sulfometuron methyl
  Pronone power pellet (Pro service)
  Velossa (Helena)
- Chemical Class: Triazine-dione herbicide
- Uses: Blueberry, pineapple, sugarcane, rights-of-way/fencerows/hedgerows, alfalfa, grass forage/fodder/hay, pastures, rangeland, agricultural fallow/idle land, Christmas tree plantations, industrial areas (outdoor), recreational areas, drainage systems, forestry
- Alternatives: Organic agriculture
- Beyond Pesticides rating: Toxic

Health and Environmental Effects

See citations at end of document.

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

Additional Information

- Regulatory Status:
  - EPA Registration Eligibility Decision (RED) Signed 08/2002
- Supporting information:
  - PAN Pesticides Database: (Pesticide Action Network)
- Studies [compiled from the Pesticide-Induced Diseases Database]
  - The silence of the clams: Forestry registered pesticides as multiple stressors on soft-shell clams. Tissot, A.G., Granek, E.F., Thompson, A.W., Hladik, M.L., Moran, P.W. and Scully-Engelmeyer, K. Science of The Total Environment, p.152053.
  - Pesticides and prostate cancer incidence and mortality: An environment-wide association study. Soerensen, S. et al. (2024) Pesticides and prostate cancer incidence and mortality: An environment-wide association study, Cancer. Available at:

https://acsjournals.onlinelibrary.wiley.com/doi/10.1002/cncr.35572.
- 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.
- Assessment of genetic damage levels in agricultural workers exposed to pesticides in Paraíba, Brazil. Carvalho-Gonçalves, L. et al. (2025) Assessment of genetic damage levels in agricultural workers exposed to pesticides in Paraíba, Brazil, Environmental Toxicology and Pharmacology. Available at: https://www.sciencedirect.com/science/article/abs/pii/S1382668925000900.
- Pesticides and Pesticide Degradates in Groundwater Used for Public Supply across the United States: Occurrence and Human-Health Context. Bexfield, Laura M et al. "Pesticides and Pesticide Degradates in Groundwater Used for Public Supply across the United States: Occurrence and Human-Health Context." Environmental science & technology vol. 55,1 (2021): 362-372. doi:10.1021/acs.est.0c05793

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.

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