Chemical Factsheet

Sulfentrazone

General Information

- Product Names:
  Authority (FMC)
  Spartan (FMC)
  Gauntlet (FMC) formulated with Cloransulam-methyl
  F7127 SE (FMC) formulated with Carfentrazone-ethyl
  F7119 Turf and IVM (FMC) fomrlated with Imazethapyr
  Bandolier (FMC)
  Canopy XL (Du Pont) formulated with Chlorimuron
  Cover (Du Pont)
  Throttle (Du Pont)
- Chemical Class: Aryl triazolinone herbicide
- Uses: Soybeans
- 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: Yes (**1**)
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Not documented
- 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: Yes (**1**)
- Toxic to Bees: Not documented

Additional Information

- Regulatory Status:
  - Final Registration Review Decision 2015
- Studies [compiled from the Pesticide-Induced Diseases Database]
  - Behavioral Effects of the Mixture and the Single Compounds Carbendazim, Fipronil, and Sulfentrazone on Zebrafish (Danio rerio) Larvae. Gomes, S. da S. et al. (2024) Behavioral effects of the mixture and the single compounds carbendazim, fipronil, and sulfentrazone on zebrafish (danio rerio) larvae, Biomedicines. Available at: https://www.mdpi.com/2227-9059/12/6/1176.
  - Health risks of sulfentrazone exposure during zebrafish embryo-larvae development at

environmental concentration. Jiang, J. et al. (2022) Health risks of sulfentrazone exposure during zebrafish embryo-larvae development at environmental concentration, Chemosphere. Available at: https://www.sciencedirect.com/science/article/abs/pii/S0045653521031040.

Gateway Health and Environmental Effects Citations

1. U.S. EPA, Office of Prevention, Pesticides and Toxic Substances, New Active Ingredients Factsheets: http://web.archive.org/web/20120107215849/http://www.epa.gov/opprd001/factsheets/index.htm

Factsheet generated on February 1, 2026