

# 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) formulated 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 June 18, 2026