

Chemical Factsheet

Primisulfuron-methyl

General Information

- Product Names:
 - Beacon** (Syngenta)
 - Exceed** (Syngenta)
 - Spirit** (Syngenta) formulated with [Prosulfuron](#)
 - Northstar** (Syngenta) formulated with [Dicamba](#)
- Chemical Class: Sulfonylurea herbicide
- Uses: Broad spectrum herbicide used on corn
- 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: Not documented
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Yes (1)
- Sensitizer/Irritant: Yes (1)
- Birth/Developmental: Not documented
- 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 Reregistration Eligibility Decision](#) (RED) (revised 06/2006)
- Supporting information:
 - [PAN Pesticides Database: Primisulfuron-methyl](#)
 - [Extension Toxicology Network](#) (EXTONET)

Gateway Health and Environmental Effects Citations

1. Extension Toxicology Network (EXTONET) Pesticide Information Profiles.
<http://extoxnet.orst.edu/pips/ghindex.html>

Factsheet generated on April 18, 2026