

Chemical Factsheet

Tribenuron-methyl

General Information

- Product Names:
Harmony Extra (Dupont)
- Chemical Class: Sulfonylurea Herbicide
- Uses: A foliar acting, post-emergence herbicide used to control broad-leaved weeds in cereals and other crops
- Alternatives: [Organic agriculture](#), [Organic land management](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Possible (1, 2)
- Endocrine Disruption: Possible (2, 3)
- Reproductive Effects: Possible (2)
- Neurotoxicity: Insufficiently Studied
- Kidney/Liver Damage: Yes [And Spleen] (2, 4)
- Sensitizer/ Irritant: Yes; Irritant (2, 4)
- Birth/Developmental: Possible (2)
- Detected in Groundwater: Insufficiently Studied
- Potential Leacher: Insufficiently Studied
- Toxic to Birds: Likely (2)
- Toxic to Fish/Aquatic Organisms: Yes (2, 4)
- Toxic to Bees: Yes (2)

Additional Information

- Regulatory Status:
 - [EPA Pesticide Registration Review: Tribenuron Methyl](#) (2011)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [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>.

Gateway Health and Environmental Effects Citations

1. US EPA Office of Pesticide Programs. List of Chemicals Evaluated for Carcinogenic Potential. October 30, 2023. http://npic.orst.edu/chemicals_evaluated.pdf
2. The University of Hertfordshire. 2021. PPDB: Pesticide Properties DataBase - Tribenuron-methyl. <https://sitem.herts.ac.uk/aeru/ppdb/en/Reports/655.htm>

3. USEPA, 2004. Tribenuron Methyl; Notice of Filing a Pesticide Petition to Establish a Tolerance for a Certain Pesticide Chemical in or on Food. *Federal Register*.
<https://www.federalregister.gov/documents/2004/07/07/04-15208/tribenuron-methyl-notice-of-filing-a-pesticide-petition-to-establish-a-tolerance-for-a-certain>

4. European Chemicals Agency. 2021. Brief Profile: Tribenuron-methyl.
<https://echa.europa.eu/fr/brief-profile/-/briefprofile/100.100.313>

Factsheet generated on June 18, 2026