

Chemical Factsheet

Tefluthrin

General Information

- Product Names:
Force (Syngenta)
- Chemical Class: Pyrethroid insecticide
- Uses: Corn
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Yes (1, 2)
- Reproductive Effects: Not documented
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Yes (3)
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (4)
- Toxic to Bees: Yes (5)

Additional Information

- Regulatory Status:
 - [Tefluthrin Pesticide Tolerance](#)
- Supporting information:
 - [PAN Pesticides Database: Tefluthrin](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Exploring the Joint Association Between Agrichemical Mixtures and Pediatric Cancer](#). Taiba, J. et al. (2025) Exploring the Joint Association Between Agrichemical Mixtures and Pediatric Cancer, GeoHealth. Available at: <https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2024GH001236>.
 - [The unseen threat: indirect pesticide effects are key to realistic ecological assessments of standing small water bodies](#). Ruf, L., Lorenz, S., and Trau, F. (2026) The unseen threat: indirect pesticide effects are key to realistic ecological assessments of standing small water bodies, Hydrobiologia. Available at: <https://link.springer.com/article/10.1007/s10750-025-06099-3>.
 - [Pyrethroid-induced cardiac Dysfunction: A systematic review and meta-analysis of preclinical evidence](#). Durço, A. et al. (2026) Pyrethroid-induced cardiac Dysfunction: A systematic review and meta-analysis of preclinical evidence, Chemico-Biological

Interactions. Available at:

<https://www.sciencedirect.com/science/article/abs/pii/S0009279726001389>.

Gateway Health and Environmental Effects Citations

1. European Commission. Endocrine Disruptors: Study on Gathering Information on 435 Substances with Insufficient Data. Final Report. EU DG Environment: B4-3040/2001/325850/MAR/C2. BKH Consulting Engineers: M0355037. November 2002.
http://ec.europa.eu/environment/chemicals/endocrine/pdf/bkh_report.pdf#page=76.
2. Colborn, T., D. Dumanoski, and J.P. Myers. 1996. Our Stolen Future: Are We Threatening Our Fertility, Intelligence, and Survival? New York: Dutton. <http://ourstolenfuture.org/Basics/chemlist.htm>
4. Pesticide Action Network Pesticide Database. http://www.pesticideinfo.org/Search_Chemicals.jsp.
5. Yueh, MF et al. 2014. [The commonly used antimicrobial additive triclosan is a liver tumor promoter](#). *PNAS* doi: 10.1073/pnas.1419119111. *Triclosan promotes liver cancer cell development and proliferation in mice through pathways common to humans*.

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