

Chemical Factsheet

Spirodiclofen

General Information

- Product Names:
Envidor (Bayer)
- Uses: Agriculture
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

Health and Environmental Effects

See citations at end of document.

- Cancer: Likely (1)
- Endocrine Disruption: Not documented
- Reproductive Effects: Not documented
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: No
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (2)
- Toxic to Bees: Yes (2)

Additional Information

- Regulatory Status:
 - [EPA Factsheet](#) (2005)
- Supporting information:
 - [PAN Database](#) (PANNA)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Transport mechanisms of pesticide mixtures impairing intestinal barrier function in mice](#). Liu, Z. et al. (2025) Transport mechanisms of pesticide mixtures impairing intestinal barrier function in mice, Pesticide Biochemistry and Physiology. Available at: <https://www.sciencedirect.com/science/article/abs/pii/S0048357525000690>.
 - [High temporal resolution pollen analysis: New insights into current-use pesticides distribution in agricultural landscapes](#). Cirelli, S. et al. (2026) High temporal resolution pollen analysis: New insights into current-use pesticides distribution in agricultural landscapes, Environmental Pollution. Available at: <https://www.sciencedirect.com/science/article/pii/S0269749126007189>.

Gateway Health and Environmental Effects Citations

1. Pesticide Action Network Pesticide Database. http://www.pesticideinfo.org/Search_Chemicals.jsp.

2. 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>

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