

Chemical Factsheet

Pyraclostrobin

General Information

- Product Names:
 - Insignia (BASF)
 - Headline (BASF)
 - Cabrio (BASF)
 - Multiva (BASF) formulated with [Metconazole](#)
 - Honor (BASF) formulated with [Boscalid](#)
 - Stamina (BASF)
 - Priaxor Xemium (BASF) formulated with Fluxapyroxad
 - Empress (BASF)
- Chemical Class: Strobilin
- Uses: Fungicide
- 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: Not documented
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Yes (1)
- Detected in Groundwater: Not documented
- Potential Leacher: Yes (2)
- Toxic to Birds: Yes (1)
- Toxic to Fish/Aquatic Organisms: Yes (1)
- Toxic to Bees: Not documented

Additional Information

- Supporting information:
 - [PAN Pesticides Database: Pyraclostrobin](#) (PANNA)
 - [New York State Registration: Pyraclostrobin](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Identification of chemicals that mimic transcriptional changes associated with autism, brain aging and neurodegeneration](#). Pearson, B.L., Simon, J.M., McCoy, E.S., Salazar, G., Fragola, G. and Zylka, M.J., 2016. Nature communications, 7(1), pp.1-12.
 - [Snails as indicators of pesticide drift, deposit, transfer and effects in the vineyard](#). Druart, C. et al. (2011) Snails as indicators of pesticide drift, deposit, transfer and effects in the vineyard, Science of The Total Environment. Available at:

- <https://www.sciencedirect.com/science/article/abs/pii/S0048969711007224?via%3Dihub>.
- [Effects of Microplastics on the Adsorption and Bioavailability of Three Strobilurin Fungicides](#). Hai, N., Liu, X., Li, Y., Kong, F., Zhang, Y., & Fang, S. (2020). Effects of Microplastics on the Adsorption and Bioavailability of Three Strobilurin Fungicides. ACS omega, 5(47), 30679–30686. <https://doi.org/10.1021/acsomega.0c04787>
 - [Current-use pesticides in vegetation, topsoil and water reveal contaminated landscapes of the Upper Rhine Valley, Germany](#). Mauser, K.M., Wolfram, J., Spaak, J.W. et al. Current-use pesticides in vegetation, topsoil and water reveal contaminated landscapes of the Upper Rhine Valley, Germany. Commun Earth Environ 6, 166 (2025). <https://doi.org/10.1038/s43247-025-02118-2>
 - [Effects of Fungicide and Adjuvant Sprays on Nesting Behavior in Two Managed Solitary Bees, Osmia lignaria and Megachile rotundata](#). Artz, Derek & Pitts-Singer, Theresa. (2015). Effects of Fungicide and Adjuvant Sprays on Nesting Behavior in Two Managed Solitary Bees, Osmia lignaria and Megachile rotundata. PLoS ONE. 10. 10.1371/journal.pone.0135688.
 - [Occurrence of Current-Use Pesticides in Paired Indoor Dust, Drinking Water, and Urine Samples from the United States: Risk Prioritization and Health Implications](#). Xie, Y., Li, J., Salamova, A., & Zheng, G. (2025). Occurrence of Current-Use Pesticides in Paired Indoor Dust, Drinking Water, and Urine Samples from the United States: Risk Prioritization and Health Implications. Environmental science & technology, 59(25), 12507–12519. <https://doi.org/10.1021/acs.est.5c00961>
 - [A cumulative dietary pesticide exposure score based on produce consumption is associated with urinary pesticide biomarkers in a U.S. biomonitoring cohort](#). Temkin, A. et al. (2025) A cumulative dietary pesticide exposure score based on produce consumption is associated with urinary pesticide biomarkers in a U.S. biomonitoring cohort, International Journal of Hygiene and Environmental Health. Available at: <https://www.sciencedirect.com/science/article/pii/S1438463925001361>.

Gateway Health and Environmental Effects Citations

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

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