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: Strobin
- 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.
- 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.

Gateway Health and Environmental Effects Citations

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

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