Chemical Factsheet

Azoxystrobin

General Information

- Product Names:
  Abound (Syngenta)
  Amistar (Syngenta)
  Dynasty (Syngenta)
  Heritage (Syngenta)
  Quadris (Syngenta)
  Protégé (Bayer)
  Sporgard (Lanxess)
  Quilt (Syngenta) formulated with Propiconazole
  Uniform (Syngenta) formulated with Metalaxyl
- Chemical Class: beta-methoxyacrylate fungicide/antimicrobial; systemic
- Uses: Various agriculture and non-agricultural uses: fruits, vegetables, nuts, feed crops, turf, ornamentals, residential sites; additive treatment for paint, plastic, rubber, paper (textiles and adhesives); commercial/industrial sites.
- Alternatives: Organic agriculture, Organic lawn care
- 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: Yes: eye (**1**)
- Birth/Developmental: Not documented
- Detected in Groundwater: Yes (**2**)
- Potential Leacher: Yes (**1**, **2**)
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (**1**, **2**)
- Toxic to Bees: Not documented

Additional Information

- Regulatory Status:
  - EPA Regulatory Documents
- Supporting information:
  - Extoxnet Pesticide Factsheet (Extension Toxicology Network)
  - PAN Pesticides Database: (Pesticide Action Network)
- Studies [compiled from the Pesticide-Induced Diseases Database]
  - Occurrence of Azoxystrobin, Propiconazole, and Selected Other Fungicides in US Streams,

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- Single and combined exposure to 'bee safe' pesticides alter behaviour and offspring production in a ground-nesting solitary bee (Xenoglossa pruinosa). Rondeau, S. and Raine, N. (2024) Single and combined exposure to 'bee safe' pesticides alter behaviour and offspring production in a ground-nesting solitary bee (Xenoglossa pruinosa), Proceedings of the Royal Society Biological Sciences. Available at: https://royalsocietypublishing.org/doi/10.1098/rspb.2023.2939.
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- A Th2-type immune response and low-grade systemic inflammatory reaction as potential immunotoxic effects in intensive agriculture farmers exposed to pesticides . Lozano-Paniagua, D. et al. (2024) 'A th2-type immune response and low-grade systemic inflammatory reaction as potential immunotoxic effects in intensive agriculture farmers exposed to pesticides', Science of The Total Environment, 938, p. 173545. doi:10.1016/j.scitotenv.2024.173545.
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Gateway Health and Environmental Effects Citations

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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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