

Chemical Factsheet

Bitertanol

General Information

- Product Names:
No Currently Registered Products
- Chemical Class: Azole fungicide
- Uses: No US registered uses. For imports: post emergence control of black sigatoka leaf spot on imported banana and plantain.
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

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

Additional Information

- Regulatory Status:
 - No US Registered Uses EPA
 - [TRED signed](#) 11/2005
- Supporting information:
 - [PAN Pesticides Database: Bitertanol](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [In vitro-in vivo correlations for endocrine activity of a mixture of currently used pesticides.](#) Taxvig C, Hadrup N, Boberg J, et al. 2013. Toxicol Appl Pharmacol.272(3):757-66
 - [Effects of triazole fungicides on androgenic disruption and CYP3A4 enzyme activity.](#) Lv, X., Pan, L., Wang, J., Lu, L., Yan, W., Zhu, Y., Xu, Y., Guo, M., & Zhuang, S. (2017). Effects of triazole fungicides on androgenic disruption and CYP3A4 enzyme activity. Environmental pollution (Barking, Essex : 1987), 222, 504-512. <https://doi.org/10.1016/j.envpol.2016.11.051>

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. US EPA, Office of Prevention, Pesticides and Toxic Substances, Reregistration Eligibility Decisions (REDs), Interim REDs (iREDs) and RED Factsheets.

<https://archive.epa.gov/pesticides/reregistration/web/html/status.html>.

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