

Chemical Factsheet

Imazalil

General Information

- Product Names:
 - Clinafarm** (Intervet)
 - Deccoil** (Decco)
 - Fecundal** (Cetris)
 - Fungaflor** (Janssen)
 - Magnate** (Makhteshim)
 - Raxil** (Bayer)
 - Tc 246** (Whitmire)
- Chemical Class: Azole fungicide
- Uses: No US registrations. Fungicide used for post harvest treatments on bananas (import tolerance only) and citrus fruits, and treatment of barley and wheat seeds prior to planting. Also used in chicken hatcheries.
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

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

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision](#) Signed 9/2003
- Supporting information:
 - [Health and environmental impacts of glufosinate ammonium](#) (Friends of the Earth UK)
 - [PAN Pesticides Database: Imazalil](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Selecting mixtures on the basis of dietary exposure and hazard data: application to pesticide exposure in the European population in relation to steatosis](#). Crépet, A., Vanacker, M., Sprong, C., de Boer, W., Blaznik, U., Kennedy, M., Anagnostopoulos, C.,

Christodoulou, D. L., Ruprich, J., Rehurkova, I., Domingo, J. L., Hamborg Jensen, B., Metruccio, F., Moretto, A., Jacxsens, L., Spanoghe, P., Senaeve, D., van der Voet, H., & van Klaveren, J. (2019). Selecting mixtures on the basis of dietary exposure and hazard data: application to pesticide exposure in the European population in relation to steatosis. *International journal of hygiene and environmental health*, 222(2), 291–306. <https://doi.org/10.1016/j.ijheh.2018.12.002>

- [Prospective association between dietary pesticide exposure profiles and postmenopausal breast-cancer risk in the NutriNet-Santé cohort](#). Rebouillat, P., Vidal, R., Cravedi, J. P., Taupier-Letage, B., Debrauwer, L., Gamet-Payraastre, L., Touvier, M., Deschasaux-Tanguy, M., Latino-Martel, P., Hercberg, S., Lairon, D., Baudry, J., & Kesse-Guyot, E. (2021). Prospective association between dietary pesticide exposure profiles and postmenopausal breast-cancer risk in the NutriNet-Santé cohort. *International journal of epidemiology*, 50(4), 1184–1198. <https://doi.org/10.1093/ije/dyab015>

Gateway Health and Environmental Effects Citations

1. 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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