

Chemical Factsheet

Benomyl

General Information

- Fact Sheet: [Benomyl.pdf](#)
- Product Names:
No Currently Registered Products
- Chemical Class: Fungicide
- Uses: **Phased out**
- Alternatives: **Phased out**
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Possible (1), Yes (2)
- Endocrine Disruption: Probable (3)
- Reproductive Effects: Yes (2)
- Neurotoxicity: Yes (4)
- Kidney/Liver Damage: Yes (5)
- Sensitizer/ Irritant: Yes (5)
- Birth/Developmental: Yes (2, 6)
- Detected in Groundwater: Yes (2)
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (2)
- Toxic to Bees: Not documented

Residential Uses as Found in the ManageSafe™ Database

- [Mold](#)

Additional Information

- Regulatory Status:
 - [Voluntarily Cancelled](#) (7/2002)
- Supporting information:
 - [Daily News Blog entries](#) (Beyond Pesticides)
 - [Extoxnet Aldicarb Factsheet: Benomyl](#) (Extension Toxicology Network)
 - [PAN Pesticides Database: Benomyl](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Aldehyde dehydrogenase variation enhances effect of pesticides associated with Parkinson disease.](#) Fitzmaurice AG, Rhodes SL, et al. 2014. Neurology.82(5):419-26.
 - [Impact of Endocrine Disrupting Pesticide Use on Obesity: A Systematic Review.](#) Pérez-Bermejo, M. et al. (2024) Impact of Endocrine Disrupting Pesticide Use on Obesity: A

Systematic Review, Biomedicines. Available at:
<https://www.mdpi.com/2227-9059/12/12/2677>.

- [Pesticide exposure and sleep disorder: A cross-sectional study among Thai farmers.](#)
Juntarawijit, C. et al. (2025) Pesticide exposure and sleep disorder: A cross-sectional study among Thai farmers, Heliyon. Available at:
[https://www.cell.com/heliyon/fulltext/S2405-8440\(24\)17154-X](https://www.cell.com/heliyon/fulltext/S2405-8440(24)17154-X).

Gateway Health and Environmental Effects Citations

1. EPA weight-of-evidence category, "possible human carcinogen." US EPA, 2004. Office of Pesticide Programs. List of Chemicals Evaluated for Carcinogenic Potential. July 29, 2004.
<http://www.epa.gov/pesticides/carlist/>
2. Beyond Pesticides ChemWatch Factsheets. (Cited under factsheets on [Beyond Pesticides Gateway](#); see top of individual chemical page)
3. Illinois EPA, Endocrine Disruptors Strategy, February 1997.
<https://nepis.epa.gov/Exe/ZyNET.exe/910140ZK.txt>
4. Environmental Defense Fund, Scorecard Database. <http://www.scorecard.org/chemical-profiles/>.
5. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.
<http://extoxnet.orst.edu/pips/ghindex.html>
6. US EPA, 2000. Table 1: Toxicity Data by Category for Chemicals Listed under EPCRA Section 313. Toxic Release Inventory (TRI) Program.
https://www.epa.gov/sites/production/files/documents/hazard_categories.pdf

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