

Chemical Factsheet

Ethoprop (ethoprophos)

General Information

- Product Names:
Mocap (Bayer)
- Chemical Class: Organophosphate insecticide
- Uses: Agriculture
- 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: Not documented
- Neurotoxicity: Yes (1)
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Yes (2)
- Toxic to Fish/Aquatic Organisms: Yes (1)
- Toxic to Bees: Yes (3)

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Document \(RED\) signed](#) (2/2006)
- Supporting information:
 - [PAN Pesticides Database](#) (Pesticide Action Network North America)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [High Pesticide Exposure Events and Dream-Enacting Behaviors Among US Farmers](#). Yuan, Y., Shrestha, S., Luo, Z., Li, C., Plassman, B.L., Parks, C.G., Hofmann, J.N., Beane Freeman, L.E., Sandler, D.P. and Chen, H. (2022), High Pesticide Exposure Events and Dream-Enacting Behaviors Among US Farmers. *Mov Disord*, 37: 962-971.
<https://doi.org/10.1002/mds.28960>
 - [Temporal trends of agricultural organophosphate pesticide use in California and proximity to pregnant people in 2021](#). Rotkin-Ellman, M., Carpenter, C., Richardson, M.J. et al. Temporal trends of agricultural organophosphate pesticide use in California and proximity to pregnant people in 2021. *BMC Public Health* 25, 3121 (2025).
<https://doi.org/10.1186/s12889-025-23939-y>

Gateway Health and Environmental Effects Citations

1. Pesticide Action Network Pesticide Database. http://www.pesticideinfo.org/Search_Chemicals.jsp.
2. Mineau, P., A. Baril, B.T. Collins , J. Duffe, G. Joerman, R. Luttik. 2001. Reference values for comparing the acute toxicity of pesticides to birds. Reviews of Environmental Contamination and Toxicology 170:13-74.
<http://web.archive.org/web/20081006213641/http://www.abcbirds.org/abcprograms/policy/pesticides/aims/aims/toxicitytable.cfm>
3. Tew, J.E. 1996. Protecting Honeybees from Pesticides. Ohio State University Cooperative Extension.
<http://web.archive.org/web/20031123075324/http://beelab.osu.edu/factsheets/sheets/2161.html>

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