

Chemical Factsheet

Hydrogen peroxide

General Information

- Chemical Class: Antimicrobial disinfectant
- Uses: Many non-food and food crops (e.g., fruits, nuts, and vegetables) indoors and outdoors, before and after harvest; food storage facilities to control microbes, including fungi and bacteria, that cause plant diseases.
- Beyond Pesticides rating: [Least-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 (1)
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

Additional Information

- Regulatory Status:
[EPA factsheet](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [ASSESSMENT OF POTENTIAL RISK TO HUMAN HEALTH FOLLOWING USE OF AZAMETHIPHOS, DELTAMETHRIN AND HYDROGEN PEROXIDE IN FISH FARMS](#). WCA Environment Ltd.

Gateway Health and Environmental Effects Citations

1. EPA Pesticide Registration Review Status
http://www.epa.gov/oppsrrd1/registration_review/reg_review_status.htm

Factsheet generated on May 2, 2026