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Pesticides

Also called: Fungicides, Herbicides, Rodenticides


Pests live where they are not wanted or cause harm to crops, people, or animals. Pesticides can help get rid of them. Pesticides are not just insect killers. They also include chemicals to control weeds, rodents, mildew, germs, and more. Many household products [<https://medlineplus.gov/householdproducts.html>] contain pesticides.

Pesticides can protect your health by killing germs, animals, or plants that could hurt you. However, they can also be harmful to people or pets. You might want to try non-chemical methods first. If you do need a pesticide, use it correctly. Be especially careful around children and pets. Proper disposal of pesticides is also important - it can help protect the environment.

Biologically-based pesticides are becoming more popular. They often are safer than traditional pesticides.

Environmental Protection Agency

Start Here

- Basic Information About Pesticide Ingredients [<https://www.epa.gov/ingredients-used-pesticide-products/basic-information-about-pesticide-ingredients>] (Environmental Protection Agency)
- Citizen's Guide to Pest Control and Pesticide Safety [https://www.epa.gov/sites/default/files/2017-08/documents/citizens_guide_to_pest_control_and_pesticide_safety.pdf] (Environmental Protection Agency) - **PDF**
- Pesticides [<https://www.niehs.nih.gov/health/topics/agents/pesticides>]  (National Institute of Environmental Health Sciences)

Prevention and Risk Factors

- Find the Repellent that is Right for You [<https://www.epa.gov/insect-repellents/find-repellent-right-you>] (Environmental Protection Agency)
Also in Spanish [<https://espanol.epa.gov/control-de-plagas/encuentre-el-repelente-de-insectos-adecuado>]
- Read the Label First! Protect Your Household [<https://www.epa.gov/sites/default/files/2016-02/documents/household.pdf>] (Environmental Protection Agency) - **PDF**

Treatments and Therapies

- In Case of Pesticide Emergency [<https://www.epa.gov/rodenticides/case-pesticide-emergency>] (Environmental Protection Agency)



Related Issues

- Safe Disposal of Pesticides [<https://www.epa.gov/safepestcontrol/safe-disposal-pesticides>] (Environmental Protection Agency)

Specifics

- Antimicrobial Pesticides [<https://www.epa.gov/pesticides/antimicrobial-pesticides>] (Environmental Protection Agency)
- Biopesticides [<https://www.epa.gov/pesticides/biopesticides>] (Environmental Protection Agency)

Clinical Trials


- ClinicalTrials.gov: Insecticides [<https://clinicaltrials.gov/search?term=%22Insecticides%22&aggFilters=status:not%20rec>]  (National Institutes of Health)
- ClinicalTrials.gov: Pesticides [<https://clinicaltrials.gov/search?term=%22Pesticides%22&aggFilters=status:not%20rec>]  (National Institutes of Health)

Journal Articles

References and abstracts from MEDLINE/PubMed (National Library of Medicine)

- Article: Solar Panel Installation Workers Exposed to Pesticides During Two Agricultural Applications... [<https://www.ncbi.nlm.nih.gov/pubmed/40742888>]
- Article: European Food Safety Authority database for in vivo developmental neurotoxicity studies of... [<https://www.ncbi.nlm.nih.gov/pubmed/40734588>]
- Article: Electrochemical (Bio)Sensors for Toxins, Foodborne Pathogens, Pesticides, and Antibiotics Detection: Recent... [<https://www.ncbi.nlm.nih.gov/pubmed/40710117>]
- Pesticides -- see more articles [<https://pubmed.ncbi.nlm.nih.gov/?term=%22Pesticides%22%5Bmajr%3Anoexp%5D+AND+humans%5Bmh%5D+AND+english%5Bla%5D+AND+%22last+1+Year%22+%5Bedat%5D+NOT+%28letter%5Bpt%5D+OR+case+reports%5Bpt%5D+OR+editorial%5Bpt%5D+OR+comment%5Bpt%5D%29+AND+free+full+text%5Bsb%5D+>]

Find an Expert

- National Institute of Environmental Health Sciences [<https://www.niehs.nih.gov/>] 
Also in Spanish [<https://www.niehs.nih.gov/health/scied/teachers/educacion>]

Women

- Using Bug Killers and Repellents during Pregnancy [<https://kidshealth.org/en/parents/repellants.html>] (Nemours Foundation)
Also in Spanish [<https://kidshealth.org/es/parents/repellants.html>]

Patient Handouts

- Insecticide poisoning [<https://medlineplus.gov/ency/article/002832.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/002832.htm>]
- Pesticides [<https://medlineplus.gov/ency/article/002430.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/002430.htm>]



MEDICAL ENCYCLOPEDIA

- Bug spray poisoning [<https://medlineplus.gov/ency/article/002763.htm>]

Cholinesterase - blood [<https://medlineplus.gov/ency/article/003358.htm>]

Diazinon poisoning [<https://medlineplus.gov/ency/article/002837.htm>]

Grass and weed killer poisoning [<https://medlineplus.gov/ency/article/002838.htm>]

Insecticide poisoning [<https://medlineplus.gov/ency/article/002832.htm>]

Malathion poisoning [<https://medlineplus.gov/ency/article/002834.htm>]

Paradichlorobenzene poisoning [<https://medlineplus.gov/ency/article/002902.htm>]

Paraquat poisoning [<https://medlineplus.gov/ency/article/001085.htm>]

Pesticides [<https://medlineplus.gov/ency/article/002430.htm>]

Related Health Topics

Food Safety [<https://medlineplus.gov/foodsafety.html>]

Household Products [<https://medlineplus.gov/householdproducts.html>]

National Institutes of Health

The primary NIH organization for research on *Pesticides* is the National Institute of Environmental Health Sciences [<http://www.niehs.nih.gov/>]

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