

# Chemical Factsheet

## Acetic Acid (Vinegar)

### General Information

- Product Names:
  - Ecosharp Weed & Grass Killer** (Ecoval Corp)
  - Ecosharp Weed & Grass Killer Ready To Use** (Ecoval Corp)
  - Weed Works Weed & Grass Killer** (Organic Works, Inc)
  - Burnout II Weed and Grass Killer Concentrate** (St. Gabriel Laboratories)
  - Moss Killer Concentrate** (St. Gabriel Laboratories)
  - Weed Pharm** (Pharm Solutions Inc.)
- Chemical Class: Carboxylic acid
- Uses: [Least-toxic weed managment](#)
- 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: Yes (1)
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

### Residential Uses as Found in the ManageSafe™ Database

- [Dandelions](#)
- [Mold](#)
- [Pantry Moths](#)
- [Wasps and Yellowjackets](#)
- [Poison Ivy](#)
- [Annual Bluegrass](#)
- [Crabgrass](#)
- [Ground Ivy](#)
- [Knotweed](#)
- [Plantains](#)
- [Japanese Knotweed](#)
- [Chickweed](#)
- [Deer](#)

## Additional Information

- Regulatory Status:
  - [EPA Factsheet](#) (3/2001)
  - [Registration Review Decision](#): Pending
- Supporting information:
  - [8 Steps to a Toxic-Free Lawn](#) (Beyond Pesticides)
  - [Least-toxic Control of Weeds](#) (Beyond Pesticides)
  - [NCAP Pesticide Factsheet](#) (Northwest Coalition for Alternatives to Pesticides)
  - [PAN Pesticides Database](#): (Pesticide Action Network)
- Studies:
  - [Organic Weed Control With Vinegar](#). Webber, C. et. al. 2005. *Oklahoma Agriculture Experiment Station Departmental Publication* . Agricultural Research Service (ARS)
  - [Spray Weeds With Vinegar?](#) Comis, D. 2002. *USDA Agricultural Research Service (ARS)*.
  - [Influence of Acetic Acid on Regrowth of Dioecious Hydrilla from Root Crowns](#) . Spencer, DF and Ksander, G. 1995. *Journal of Aquatic Plant Management*

## Gateway Health and Environmental Effects Citations

1. National Library of Medicine. PubChem Hazardous Substances Database. [PubChem \(nih.gov\)](#)

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