

Chemical Factsheet

Clove oil

General Information

- Product Names:
 - Sharp Shooter** (St. Gabriel Laboratories)
 - Burnout II Weed and Grass Killer Concentrate** (St. Gabriel Laboratories)
 - Burnout II Weed and Grass Killer** (St. Gabriel Laboratories)
 - Moss Killer Concentrate** (St. Gabriel Laboratories)
 - Matran 2** (EcoSmart Technologies)
 - Garden Insect Killer** (EcoSmart Technologies)
 - Weed Zap** (JH Biotech Inc.)
- Chemical Class: Essential oil
- Uses: [Lawns/broadleaf plants](#)
- 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: Not documented
- 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

Residential Uses as Found in the ManageSafe™ Database

- [Fleas](#)
- [Deer](#)

Additional Information

- Regulatory Status:
 - [EPA Minimum Risk \(FIFRA 25\(b\)\) Pesticides](#)
- Supporting information:
 - [NCAP Pesticide Factsheet](#) (Northwest Coalition for Alternatives to Pesticides)
 - [PAN Pesticides Database](#): (Pesticide Action Network)
- Studies:
 - [The Potential Use of Vinegar and a Clove Oil Herbicide for Weed Control in Sweet Corn,](#)

[Potato, and Onion.](#) Evans, G. J. and Bellinder, R. R. . 2009. *Weed Technology*

Factsheet generated on February 1, 2026