

# Chemical Factsheet

## Garlic oil

## Allium sativum

### General Information

- Product Names:
  - Allityn Insect Repellent** (Helena Chemical Co)
  - Scoot Deer & Rabbit Repellent** (Balk Family Trust)
  - Deer-Off Deer Repellent Concentrate** (Woodstream Corporation)
  - Deer-Off Concentrate II** (Woodstream Corporation)
  - Deer-Off Rtu II** (Woodstream Corporation)
  - Mosquito Barrier** (Garlic Research Lab)
  - Dr.T's Mosquito Repellent Granules** (Dr. T's Nature Products, Inc.)
  - St. Gabriel Laboratories Mosquito Repellent** (St. Gabriel Laboratories)
  - Garlic Barrier AG+ Insect Repellent** (Garlic Research Lab)
  - Cropguard** (American Biodynamics)
- Chemical Class: Biochemical repellent
- Uses: [Mosquitoes](#), [other insects](#), birds, deer, rabbits, squirrel
- 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](#)
- [Snails and Slugs](#)
- [Ants](#)
- [Tree Squirrels](#)
- [Deer](#)

## Additional Information

- Regulatory Status:
  - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (6/1992)
  - [Registration Review Decision](#): Pending
  - [EPA Minimum Risk \(FIFRA 25\(b\)\) Pesticides](#)
- Supporting information:
  - [Alternatives to Using Chlorpyrifos](#) (Beyond Pesticides)
  - [PAN Pesticides Database](#): (Pesticide Action Network)
- Studies:
  - [Nematicidal activity of plant essential oils and components from garlic \(\*Allium sativum\*\) and cinnamon \(\*Cinnamomum verum\*\) oils against the pine wood nematode \(\*Bursaphelenchus xylophilus\*\)](#). Park, Il-Kwon et. al. 2005. *Nematology*.
  - [Fumigant Activity of Plant Essential Oils and Components from Garlic \(\*Allium sativum\*\) and Clove Bud \(\*Eugenia caryophyllata\*\) Oils against the Japanese Termite \(\*Reticulitermes speratus\* Kolbe\)](#) Il-Kwon Park and Sang-Chul Shin. 2005. *J. Agric. Food Chem.*

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