

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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