

# Chemical Factsheet

## Spinosad

### General Information

- Product Names:
  - Captain Jack's Deadbug Brew Flower& Vegetable Garden Dust** (Bonide)
  - Regard** (Syngenta)
  - Secure** (Bayer)
  - Double Threat** (FMC)
  - Natular** (Clarke Mosquito Control Products)
  - Consero** (Loveland)
  - Tracer** (Dow)
  - Entrust** (Dow)
  - Conserve** (Dow)
  - Success** (Dow)
  - Spintech** (Dow)
  - Conserve Fire and Ant** (Dow)
  - Blackhawk** (Dow)
  - Splat-Mat** (Dow)
  - Extinosad PSP** (Elanco)
  - Green Light Lawn & Garden Spray** (Swiss Farms Products)
- Chemical Class: Unclassified
- Uses: Controls tobacco budworm, cotton bollworm, cotton leafperforator, European corn borer, armyworms, loopers, saltmarsh caterpillar, thrips.
- Alternatives: [Least Toxic Controls](#)
- Beyond Pesticides rating: [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: Yes (1)
- Toxic to Bees: Yes (1)

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

- [Bagworms](#)

- [Head Lice](#)
- [Fleas](#)
- [Gypsy Moths](#)
- [Mosquitoes](#)
- [Snails and Slugs](#)
- [Tree-boring Caterpillars](#)

## Additional Information

- Regulatory Status:
  - [EPA Fact Sheet](#)
- Supporting information:
  - [PAN Pesticides Database: Spinosad](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
  - [A Th2-type immune response and low-grade systemic inflammatory reaction as potential immunotoxic effects in intensive agriculture farmers exposed to pesticides](#). Lozano-Paniagua, D. et al. (2024) 'A th2-type immune response and low-grade systemic inflammatory reaction as potential immunotoxic effects in intensive agriculture farmers exposed to pesticides', *Science of The Total Environment*, 938, p. 173545. doi:10.1016/j.scitotenv.2024.173545.

## Gateway Health and Environmental Effects Citations

1. U.S. EPA, Office of Prevention, Pesticides and Toxic Substances, New Active Ingredients Factsheets: <http://web.archive.org/web/20120107215849/http://www.epa.gov/oppd001/factsheets/index.htm>

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