

# Chemical Factsheet

## Deltamethrin

### General Information

- Fact Sheet: [Synthetic Pyrethroids.pdf](#)
- Product Names:
  - Butoflin**
  - Butoss**
  - Butox**
  - Cislin**
  - Crackdown**
  - Cresus**
  - Decis**
  - Decis-Prime**
  - DeltaGuard** (Bayer)
  - K-Othrin**
  - K-Otek**
  - Suspend** (Bayer)
- Chemical Class: Pyrethroid insecticide
- Uses: Agriculture, Christmas trees, Ornamentals
- Alternatives: [Organic Agriculture](#), [Organic christmas trees](#)
- Beyond Pesticides rating: [Toxic](#)

### Health and Environmental Effects

*See citations at end of document.*

- Cancer: Not documented
- Endocrine Disruption: Yes (1)
- Reproductive Effects: Not documented
- Neurotoxicity: Yes (2)
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Yes (3)
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (3)
- Toxic to Bees: Yes (3)

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

- [Bed Bugs](#)
- [Carpenter Ants](#)
- [Carpenter Bees](#)
- [Cockroaches](#)
- [Spiders](#)

- [Ants](#)
- [Chiggers](#)
- [Chinch Bugs](#)
- [Fleas](#)
- [Gypsy Moths](#)
- [Hemlock Woolly Adelgid](#)
- [Pantry Moths](#)
- [Carpet Beetle](#)
- [Centipedes](#)
- [Grubs](#)
- [Ticks](#)
- [Wasps and Yellowjackets](#)

## Additional Information

- Regulatory Status:
  - [EPA Final Registration Review](#) expected 2016
- Supporting information:
  - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
  - [Daily News Blog entries](#) (Beyond Pesticides)
  - [Extoxnet Deltamethrin Factsheet](#) (Extension Toxicology Network)
  - [PAN Pesticides Database: Deltamethrin](#) (Pesticide Action Network)
  - [Scorecard Deltamethrin Factsheet](#) (The Pollution Information Site)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
  - [Ca<sup>2+</sup> Movement Induced by Deltamethrin in PC3 Human Prostate Cancer Cells.](#) Lee HH, Chou CT, Liang WZ, Chen WC, et al. 2016. Chin J Physiol. 59(3):148-55.
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2. Beyond Pesticides ChemWatch Factsheets. (Cited under factsheets on [Beyond Pesticides Gateway](#); see top of individual chemical page)

3. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.

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