

# Chemical Factsheet

## Diflubenzuron

### General Information

- Fact Sheet: [Diflubenzuron.pdf](#)
- Product Names:
  - F793** (Farnam Companies)
  - Dimilin** (Chemtura)
  - Micromite** (Chemtura)
  - Vigilante** (Chemtura)
  - Adept** (Chemtura)
  - Bi-Larv** (Chemtura)
  - Clean-Up Pour-On** (Bayer)
  - Labyrinth Termite Bait** (Ensystex)
  - Truth Termite Bait** (HomeGuard Distributors)
- Chemical Class: Benzoylphenyl urea insecticide
- Uses: Agriculture Citrus, cotton, mushrooms, pastures; soybeans, Aquatic Standing water and sewage system uses; Forestry, Residential Outdoor Ornamentals; Targets leaf-eating larvae of insects such as gypsy moth, forest tent caterpillar, Nantucket pine tip moth, velvet bean caterpillar, Mexican bean beetle, green cloverworm, beet armyworm, mosquito larvae, aquatic midge, rust mite, bollweevil, citrus root weevil complex, West Indian sugarcane rootstalk borer/weevil, sciarid fly and face fly.
- Alternatives: [Organic Agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

### Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Not documented
- Reproductive Effects: Yes (1)
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Yes (2)
- Sensitizer/ Irritant: Yes (1)
- 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: Not documented

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

- [Gypsy Moths](#)
- [Termites](#)

## Additional Information

- Regulatory Status:
  - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (8/1997)
- Supporting information:
  - [Daily News Blog entries](#) (Beyond Pesticides)
  - [Extoxnet Diflubenzuron Factsheet](#) (Extension Toxicology Network)
  - [PAN Pesticides Database:Diflubenzuron](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
  - [Adsorption behavior and mechanism of five pesticides on microplastics from agricultural polyethylene films](#). Wang, Ting & Yu, Congcong & Chu, Qiao & Wang, Fenghe & Lan, Tao & Wang, Jingfeng. (2019). Adsorption behavior and mechanism of five pesticides on microplastics from agricultural polyethylene films. Chemosphere. 244. 125491. 10.1016/j.chemosphere.2019.125491.

## Gateway Health and Environmental Effects Citations

1. Beyond Pesticides ChemWatch Factsheets. (Cited under factsheets on [Beyond Pesticides Gateway](#); see top of individual chemical page)
2. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.  
<http://extoxnet.orst.edu/pips/ghindex.html>

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