

# Chemical Factsheet

## Flubendiamide

### General Information

- Product Names:
  - **Belt** (Bayer)
  - **Synapse** (Bayer)
- Chemical Class: Anthranilic diamide
- Uses: Controls armyworms, bollworms, corn borers, cutworms, diamondback moths, fruitworms and loopers
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

### 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: Yes (1)
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Yes (1)
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

### Additional Information

- Regulatory Status:
  - [EPA's Notice of Intent to Cancel](#)
  - [EPA Factsheet](#)
- Supporting information:
  - [PAN Pesticides Database:](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
  - [Comparing the Acute Toxicity of Imidacloprid with Alternative Systemic Insecticides in the Aquatic Insect Chironomus dilutus](#). Erin M. Maloney, Hunter Sykes, Christy Morrissey, Kerry M. Peru, John V. Headley, Karsten Liber, Comparing the Acute Toxicity of Imidacloprid with Alternative Systemic Insecticides in the Aquatic Insect Chironomus dilutus, Environmental Toxicology and Chemistry, Volume 39, Issue 3, 1 March 2020, Pages 587-594, <https://doi.org/10.1002/etc.4639>

## **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/opprd001/factsheets/index.htm>

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