

Chemical Factsheet

Acetamiprid

General Information

- Product Names:
 - Assail** (Nippon)
 - Intruder** (Nippon)
 - Tristar** (Nippon)
- Chemical Class: Neonicotinoid Insecticide
- Uses: Agriculture, Lawns/broadleaf plants
- Alternatives: [Organic agriculture](#), [Organic lawn care](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Insufficient Studies
- Endocrine Disruption: Possible (1)
- Reproductive Effects: Possible (2, 1)
- Neurotoxicity: Yes (3, 4, 5)
- Kidney/Liver Damage: Yes (6, 7, 8)
- Sensitizer/ Irritant: No (9)
- Birth/Developmental: Possible (2, 9)
- Detected in Groundwater: Possible (10)
- Potential Leacher: Possible (9, 11)
- Toxic to Birds: Likely (9)
- Toxic to Fish/Aquatic Organisms: Yes (12)
- Toxic to Bees: Yes (13)

Residential Uses as Found in the ManageSafe™ Database

- [Ants](#)
- [Cockroaches](#)
- [Bed Bugs](#)
- [Termites](#)

Additional Information

- Regulatory Status:
 - [EPA Factsheet](#) (3/2002)
 - [Beyond Pesticides Comments](#) (September 2025)
- Supporting information:
 - [PAN Pesticides Database](#): (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Low concentration acetamiprid-induced oxidative stress hinders the growth and development of silkworm posterior silk glands.](#) Lu, Z., Ye, W., Feng, P., Dai, M., Bian, D.,

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