

Chemical Factsheet

Carbaryl

General Information

- Fact Sheet: [Carbaryl.pdf](#)
- Product Names:
 - Rose RX Insect & Disease Control** (Bonide Products), formulated with [Captan](#), [Malathion](#)
 - Ortho Bug B Gon Multi Purpose Garden Dust** (Solaris Group)
 - Adams Flea & Tick Dust II** (Farnham Companies), formulated with [Piperonyl butoxide](#), Pyrethrum, Talc (non-fibrous), Silica gel
 - Zodiac Flea & Tick Powder for Dogs and Cats** (Zodiac Pet Care Products), formulated with Aluminum silicate
 - Ortho Sevin Carbaryl Insecticide 5 Dust** (Solaris Group), formulated with Kaolin clay, Amorphous silica
 - Sevin brand 4F Carbaryl Insecticide** (Bayer CropScience)
- Chemical Class: Carbamate insecticide
- Uses: Agriculture fruit and nut trees, many types of fruit and vegetables, and grain crops; ornamental, turf and golf courses, residential lawns
- Alternatives: [Organic agriculture](#), [Organic lawn care](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Likely (1, 2)
- Endocrine Disruption: Yes (3)
- Reproductive Effects: Yes (4)
- Neurotoxicity: Yes (5)
- Kidney/Liver Damage: Yes (6)
- Sensitizer/Irritant: Yes (6)
- Birth/Developmental: Yes (7)
- Detected in Groundwater: Yes (6)
- Potential Leacher: Yes (6)
- Toxic to Birds: Yes (8)
- Toxic to Fish/Aquatic Organisms: Yes (6)
- Toxic to Bees: Yes (5)

Residential Uses as Found in the ManageSafe™ Database

- [Dandelions](#)
- [Bagworms](#)
- [Carpenter Ants](#)
- [Carpenter Bees](#)
- [Tree-boring Caterpillars](#)
- [Chiggers](#)
- [Grubs](#)

- [Wasps and Yellowjackets](#)
- [Snails and Slugs](#)
- [Ants](#)
- [Chinch Bugs](#)
- [Fleas](#)
- [Gypsy Moths](#)
- [Cockroaches](#)
- [Head Lice](#)
- [Ticks](#)
- [Thrips](#)
- [Whiteflies](#)

Additional Information

- Regulatory Status:
 - [EPA Plans New Use Limitations on Carbaryl, Carbofuran, and Methomyl to Protect Salmon and Steelhead in California, Idaho, Oregon, and Washington \(5/2010\)](#)
 - [EPA Reregistration Eligibility Decision \(RED\) signed \(8/2008\)](#)
 - Beyond Pesticides' and IRED [comments](#)
 - Natural Resources Defense Council's (NRDC) [comments](#)
- Supporting information:
 - [Daily News Blog entries](#) (Beyond Pesticides)
 - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
 - [Poisoning our Pets](#) (Beyond Pesticides)
 - [NCAP Carbaryl Factsheet](#) (Northwest Coalition for Alternatives to Pesticides)
 - [NPIC Carbaryl Factsheet](#) (National Pesticide Information Center)
 - [PAN Pesticides Database:Carbaryl](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Carbaryl exposure and incident cancer in the Agricultural Health Study](#). Mahajan, R., et al. 2007. Int J Cancer 121(8):1799-1805.
 - [Carbaryl, A Pesticide Causes "Toxic Hepatitis" in Albino Rats](#). Hamid, S., Mahajan, R. and Singh, H., 2012. J Cytol Histol, 3(4), pp.149-154.
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Gateway Health and Environmental Effects Citations

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