

Chemical Factsheet

Diazinon

General Information

- Fact Sheet: [Diazinon.pdf](#)
- Product Names:
 - Scotts Turf Builder with Insect Control 28-4-6** (Scotts Company)
 - Ortho Hornet & Wasp Killer 2** (Solaris Group), formulated with [Pyrethrins](#), Petroleum distillates
 - Real Kill Diazinon Soil/Turf Insect Control** (Realex)
 - Bug B Gon Insect Killer** (Solaris Group)
 - Diazinon 25E Lawn and Garden Insect Control** (C.J. Martin Company), formulated with Petroleum distillates
- Chemical Class: Organophosphate insecticide
- Uses: Agriculture almonds, apples, apricots, bananas, beets (red, table), blackberries, blueberries, cabbage, carrots, cauliflower, celery, cherries, collards, sweet corn, cranberries, cucumbers, endive (escarole), figs, filberts, ginseng, grapes, hops, kale, lettuce, loganberries, melons, mushrooms, nectarines, onions, parsley, parsnips, peaches, pears, peas, peppers, pineapples, plums, Irish potatoes, prunes, radishes, radishes (Chinese), raspberries, rutabagas, squash, spinach, strawberries, sugar beets, sweet potatoes, Swiss chard, tomatoes, turnips, walnuts, and watercress, seed treatment on beans (except soybeans), field corn, sweet corn, lima beans, peas, and snap beans; non-lactating cattle.
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Yes (1)
- Reproductive Effects: Yes (2)
- Neurotoxicity: Yes (3)
- Kidney/Liver Damage: Yes (4)
- Sensitizer/ Irritant: Yes (5)
- Birth/Developmental: Yes (3)
- Detected in Groundwater: Yes (5)
- Potential Leacher: Yes (5)
- Toxic to Birds: Yes (6)
- Toxic to Fish/Aquatic Organisms: Yes (6)
- Toxic to Bees: Yes (6)

Residential Uses as Found in the ManageSafe™ Database

- [Wasps and Yellowjackets](#)
- [Ticks](#)

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (7/2006)
 - Diazinon [lawsuit](#) filed against EPA by Beyond Pesticides et. al. (2008)
 - Beyond Pesticides' Revised Risk Assessment [comments](#).
 - Most residential uses phased out 2002
 - Beyond Pesticides' phaseout [press release](#)
- Supporting information:
 - [Daily News Blog entries](#) (Beyond Pesticides)
 - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
 - [Children & Lawn Chemicals Don't Mix](#) (Beyond Pesticides)
 - [The Safer Choice](#) (Beyond Pesticides)
 - [Threatened Waters: Turning the Tide on Pesticide Contamination](#) (Beyond Pesticides)
 - [NCAP Diazinon Factsheet](#) (Northwest Coalition for Alternatives to Pesticides)
 - [Extoxnet Diazinon Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database:Diazinon](#) (Pesticide Action Network)
 - [PAN-UK Diazinon Factsheet](#) (Pesticide Action Network UK)
 - [EWG Diazinon Report](#) (Environmental Working Group)
 - [NPTN Diazinon Factsheet](#) (National Pesticide Telecommunications Network)
 - [ABC Diazinon Factsheet](#) (American Bird Conservancy)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Prenatal and infant exposure to ambient pesticides and autism spectrum disorder in children: population based case-control study](#). von Ehrenstein, et al. 2019. BMJ 2019;364:l962
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Gateway Health and Environmental Effects Citations

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4. Beyond Pesticides ChemWatch Factsheets. (Cited under factsheets on [Beyond Pesticides Gateway](#); see top of individual chemical page)
5. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.
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6. US EPA, Office of Prevention, Pesticides and Toxic Substances, Reregistration Eligibility Decisions (REDs), Interim REDs (iREDs) and RED Factsheets.
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