

Chemical Factsheet

PCNB (Quintozene, Pentachloronitrobenzene)

General Information

- Fact Sheet: [PCNB.pdf](#)
- Product Names:
 - Ridomil Gold** (Syngenta) formulated with [Metalaxyl](#)
 - Kodiox A-T** (Bayer) formulated with [Metalaxyl](#), and Bt
 - Prevail Allegiance Terraclor Vitavax** (Bayer) formulated with [Carboxin](#), and [Metalaxyl](#)
 - Par-Flo** (AMVAC Chemical)
 - Win-Flo** (AMVAC Chemical)
 - Terraclor** (AMVAC Chemical)
 - Trufcide** (AMVAC Chemical)
 - 3-Way Snow Mold Fungicide** (The Andersons Lawn Fertilizer Division) formulated with [Chlorothalonil](#), and [Propiconazole](#)
- Chemical Class: Organochlorine fungicide
- Uses: Control of diseases in vegetables (predominantly green beans and cole crops), field crops (cotton, potatoes, and peanuts), and seeds (seed treatments of barley, beans, corn, cotton, oats, peas, peanut, rice, safflower, sorghum, soybean, sugar beet, and wheat);also used on turf (golf courses, sod farms, commercial and industrial turf, and residential lawns) and ornamentals.
- Alternatives: [Organic agriculture](#), [Organic lawn care](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

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

Residential Uses as Found in the ManageSafe™ Database

- [Tree-boring Caterpillars](#)

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (7/2006)
- Supporting information:
 - [Exttoxnet PCNB Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database:PCNB](#) (Pesticide Action Network)
 - [Scorecard Quintozene Factsheet](#) (Environmental Defense Fund)

Gateway Health and Environmental Effects Citations

1. EPA weight-of-evidence category, "possible human carcinogen." US EPA, 2004. Office of Pesticide Programs. List of Chemicals Evaluated for Carcinogenic Potential. July 29, 2004.
<http://www.epa.gov/pesticides/carlist/>
2. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.
<http://extoxnet.orst.edu/pips/ghindex.html>
3. Gosselin, R.E., R.P. Smith, and H.C. Hodge. 1984. Clinical Toxicology of Commerical Products, 5th edition. Baltimore, MD: Williams and Wilkins.
4. National Library of Medicine. PubChem Hazardous Substances Database. [PubChem \(nih.gov\)](#)
5. Briggs, S.A. 1992. Basic Guide to Pesticides: Their Characteristics and Hazards. Washington, DC: The Rachel Carson Council, 98. <https://www.cabdirect.org/cabdirect/abstract/19932334845>

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