

Chemical Factsheet

Prohexadione Calcium

General Information

- Product Names:
 - Apogee Plant Growth Regulator** (BASF)
 - Baseline Plant Regulator** (BASF)
 - GWN-6010** (Gowan)
- Uses: foliarly applied plant regulator which reduces vegetative growth. In apples and pears decreases the need for pruning, allows more light to penetrate the tree canopy increasing fruit coloration, and, due to increased air circulation, decreases the incidence of fire blight, a bacterial disease of apples and pears. In peanuts decreases vegetative growth and aids mechanical harvesting.
- 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: Not documented
- 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:
 - [Registration Decision Application Status](#)
 - [New Chemical Registration Pesticide Fact Sheet issued 4/2000](#)
- Supporting information:
 - PAN Pesticides Database: [Prohexadione calcium](#) (Pesticide Action Network)

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>

Factsheet generated on May 9, 2026