

# Chemical Factsheet

## Clethodim

### General Information

- Product Names:
  - Tapout** (Helena)
  - Intensity** (Loveland)
  - Select** (Valent)
  - Mana Arrow** (Makhteshim)
- Chemical Class: Cyclohexenone herbicide
- Uses: Agriculture
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

### 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: Yes (**1**, **2**) [Based on formulation]
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

### Additional Information

- Regulatory Status:
  - [BP Comments February 2026](#)
- Supporting information:
  - [Extoxnet Pesticide Factsheet](#) (Extension Toxicology Network)
  - [PAN Pesticides Database](#): (Pesticide Action Network)

### Gateway Health and Environmental Effects Citations

1. The Pesticide Management Education Program at Cornell University. Pesticide Active Ingredient Information. <http://pmep.cce.cornell.edu/profiles/index.html>.
2. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles. <http://extoxnet.orst.edu/pips/ghindex.html>

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