

Chemical Factsheet

Lactofen

General Information

- Product Names:
 - Cobra** (Valent)
 - Stellar** (Valent) formulated with Flumiclorac pentyl ester
 - V-10086** (Valent)
- Chemical Class: Diphenyl ether herbicide
- Uses: control of broadleaf weeds in soybeans, cereal crops, potatoes and peanuts
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

Health and Environmental Effects

See citations at end of document.

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

Additional Information

- Regulatory Status:
 - [Tolerance Reassessment Progress and Risk Management Decision \(TRED\) for Lactofen](#) signed 9/2003
- Supporting information:
 - PAN Pesticides Database: [Lactofen](#) (Pesticide Action Network)
 - EXTOXNET: [Lactofen](#) (Extension Toxicology Network)

Gateway Health and Environmental Effects Citations

1. US EPA, Office of Prevention, Pesticides and Toxic Substances, Reregistration Eligibility Decisions (REDs), Interim REDs (iREDs) and RED Factsheets.

<https://archive.epa.gov/pesticides/reregistration/web/html/status.html>.

2. California Environmental Protection Agency. Proposition 65: Chemicals Known to the State to Cause Cancer or Reproductive Toxicity. Office of Environmental Health Hazard Assessment. February 25,

2022. <https://oehha.ca.gov/media/downloads/proposition-65/p65chemicalslistsinglelisttable2021p.pdf>

3. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.

<http://extoxnet.orst.edu/pips/ghindex.html>

Factsheet generated on May 19, 2026