

# Chemical Factsheet

## Sethoxydim

### General Information

- Product Names:
  - Poast (BASF)
  - Segment (BASF)
  - Rezult (BASF)
- Chemical Class: Cyclohexenone herbicide
- Uses: Post-emergence for selective control of annual and perennial grass weeds in broadleaf crops such as soybeans, sunflowers, alfalfa, dry peas/beans, sugar beets, peanuts, corn, grains, fruits, tree nuts, vegetables, and herbs, ornamentals, also used in recreational areas and right of way, and public and commercial building structure.
- Alternatives: [Organic agriculture](#), [Least-toxic invasive weed management](#)
- Beyond Pesticides rating: [Toxic](#)

### Health and Environmental Effects

*See citations at end of document.*

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

### Additional Information

- Regulatory Status:
  - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (9/2005)
- Supporting information:
  - [Exttoxnet Sethoxydim Factsheet](#) (Extension Toxicology Network)
  - [PAN Pesticides Database: Sethoxydim](#) (Pesticide Action Network)

### Gateway Health and Environmental Effects Citations

1. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.  
<http://exttoxnet.orst.edu/pips/ghindex.html>
2. 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>.

3. Tew, J.E. 1996. Protecting Honeybees from Pesticides. Ohio State University Cooperative Extension.

<http://web.archive.org/web/20031123075324/http://beelab.osu.edu/factsheets/sheets/2161.html>

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