

Chemical Factsheet

Spiromesifen

General Information

- Product Names:
 - Oberon** (Bayer)
 - Forbid 4F** (Bayer)
 - BSN 2060 480SC** (Bayer)
- Chemical Class: Keto-enol
- Uses: Controls spider mites, whiteflies and psyllids
- 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: Not documented
- 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 (1)
- Toxic to Bees: Not documented

Additional Information

- Supporting information:
 - [California Department of Pesticide Regulation Fact Sheet](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [A Th2-type immune response and low-grade systemic inflammatory reaction as potential immunotoxic effects in intensive agriculture farmers exposed to pesticides](#). Lozano-Paniagua, D. et al. (2024) 'A th2-type immune response and low-grade systemic inflammatory reaction as potential immunotoxic effects in intensive agriculture farmers exposed to pesticides', Science of The Total Environment, 938, p. 173545. doi:10.1016/j.scitotenv.2024.173545.

Gateway Health and Environmental Effects Citations

Factsheet generated on February 1, 2026