

Chemical Factsheet

Pirimiphos-methyl

General Information

- Product Names:
 - Dominator Insecticide Ear Tag** (Intervet Inc D/B/A Merck Animal Health)
 - Actellic® 5e Insecticide Low Odor Formulation** (Winfield Solutions, LLC)
 - Pirimiphos-Methyl Technical** (Winfield Solutions, LLC)
- Chemical Class: Organophosphate
- Uses: As a broad-spectrum organophosphate insecticide and acaricide, pirimiphos-methyl is primarily used post-harvest on grains (corn, sorghum, wheat, barley, oats), seeds, and peanuts, as well as in domestic/industrial areas and in cattle ear tags.
- Alternatives: [Organic Agriculture](#), [Organic Lawn Care](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Not documented
- Reproductive Effects: Yes
- Neurotoxicity: Yes
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Yes
- 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

Factsheet generated on January 31, 2026