

# Chemical Factsheet

## Disodium Methanearsonate (DSMA)

### General Information

- Product Names:
  - Summer Crabgrass Control** (Scotts Company)
  - Riverside DSMA Liquid Plus Surfactant** (Agrilience)
  - Clean Crop DSMA** (Loveland Products)
  - 3 in 1 Weed Killer Bonide Products Triethanolamine 2,4-dichlorophenoxyacetate**, (Silvex)
  - Weed Beater Crabgrass and Lawn Weed Killer** (Bonide Products), formulated with [2,4-D](#) salt
- Chemical Class: Arsenical herbicide
- Uses: Weed control on cotton, for turf grass and lawns, and under trees, vines, and shrubs. CAMA is an herbicide registered for post-emergent weed control on lawns. Cacodylic acid is a defoliant and herbicide registered for weed control under non-bearing citrus trees, around buildings and sidewalks, and for lawn renovation.
- 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 (1)
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Yes (1)
- Sensitizer/ Irritant: Yes (1)
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Yes (1)
- Toxic to Fish/Aquatic Organisms: Yes (1)
- Toxic to Bees: Yes (1)

### Additional Information

- Regulatory Status:
  - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (8/2006) (all uses cancelled)
- Supporting information:
  - [PAN Pesticides Database: DSMA](#) (Pesticide Action Network)
- Studies:
  - [CHEJ Arsenic Factsheet](#) (Children's Health Environmental Coalition)

## Gateway Health and Environmental Effects Citations

1. US EPA, 1995. Monosodium Methanearsonate and Disodium Methanearsonate; Toxic Chemical Release Reporting; Community Right-to-Know. Federal Register Environmental Documents.  
<https://www.govinfo.gov/app/details/FR-1995-04-20/95-9782>.

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