

PRE-PLANT SOIL FUMIGANTS

Common Name	Trade Name	Oral LD50 (1)	Dermal LD50 (1)	EPA Toxicity (2)	Toxicity to Beneficials (3)	Persistence in Soil (4)	Leaching Potential (4)	EIQ (5)	Comments (6)
1, 3 Dichloropropene	Telone II	127	423	NDA					
Metham-sodium	Vapam, Metam, Soil Prep	820	800	NDA					
Methyl bromide	Brom-O Gas, Terr-O Gas	200 ppm vapor	200 ppm vapor	NDA					

This table is a compilation of information from many sources.

- (1) LD50 values taken from "The Pesticide Book" by George Ware and "Pesticide Information Profiles", EXTOXNET.
- (2) Toxicity Rating is based on acute oral LD50 values ("I" is most toxic; "IV" is least toxic).
- (3) Relative hazard to applicators is based on dermal exposure (source EB 1491).
- (4) Beneficial toxicity based on Cornell EIQ (higher numbers equate to greater likelihood for killing arthropod natural enemies).
- (5) Leaching Potential rating from Washington State Water Quality Guide and "Pesticide Information Profiles", EXTOXNET.
- (6) Groundwater leaching potential estimated by "soil-pesticide interaction procedure" which is confirmed by GLEAMS model. There are four categories (extra small, small, medium and larger). Source: USGS, 1998
- (7) Comments regarding groundwater based on "Pesticide Information Profiles", EXTOXNET.