

Common ME Agricultural Pesticides with Environmental Fate Info.* and 2006 Drinking Water Advisory Levels**								
Active Ingredient	Selected Trade Names	Fungicide (F) Herbicide (H) Insecticide (I)	Potential for Water Contamination			Drinking Water Guidelines (ug/L; ppb)		
			Groundwater	Surface Water; Runoff		EPA		Maine
			Leaching	Solution	Adsorbed	MCL	HAL	MEG
2,4-DICHLOROPHENOXYACETIC ACID (salts and esters)	Amine 4, Formula 40, Weedar 64, Weedestroy	H	Intermediate	Intermediate	Low	70	na***	70
ATRAZINE	Aatrex, Bicep, Lumax, Liberty Atz, Axiom AT, Basis Gold, Lariat, Bullet, Harness Xtra, Marksman, Laddok 5L, etc.	H	High	High	Intermediate	3	na	3
AZINPHOS-METHYL	Guthion, Sniper	I	Low	Intermediate	Intermediate	na	na	11
AZOXYSTROBIN	Heritage, Abound, ICIA5504, Quadris/Ridomil Gold, Dynasty, Amistar, Quilt, Protégé	F	Low	High	High	na	na	na
CAPTAN	Captan, Captec	F	Low	Intermediate	Low	na	na	146
CARBARYL	Carbaryl, Sevin	I	Very Low	Low	Low	na	na	70
CARBOFURAN	Furadan	I	High	High	Intermediate	40	na	35
CHLOROTHALONIL	Bravo, Echo, Equus, Daconil	F	Low	Intermediate	Intermediate	na	na	45
CHLORPYRIFOS	Dursban, Lorsban	I	Low	Low	Intermediate	na	2	20
CYMOXANIL	Curzate, Dupont Tanos, Evolve	F	Low	Intermediate	Low	na	na	na
DIAZINON	Diazinon	I	Low	High	High	na	1	0.6
DIQUAT	Reglone, Reward, Prosecutor	H	Very Low	Low	High	20	na	15
DISULFOTON	Di-Syston	I	Intermediate	High	Low	na	0.7	0.3
DIURON	Direx, Karmex, Krovar	H	Intermediate	High	Intermediate	na	na	14
ENDOSULFAN	Thiodan, Phaser	I	Very Low	Intermediate	High	na	na	42
ENDOTHALL	Des-I-cate	H	Intermediate	Intermediate	Low	100	50	140
ESFENVALERATE	Asana	I	Low	Intermediate	Intermediate	na	na	na
ETHOPROP	Mocap	I	High	Intermediate	Low	na	na	na
FENVALERATE	Crossfire	I	Low	Intermediate	Intermediate	na	na	na
FLUTOLANIL	Prostar, Contrast, Systar, Montero, Moncoat, Artisan	F	Intermediate	High	Intermediate	na	na	na
FOSETYL-AL	Aliette, Lesco Prodigy Signature, Terronate	F	Low	Intermediate	Low	na	na	na
GLUFOSINATE-AMMONIUM	Finale, Derringer	H	Low	Intermediate	Low	na	na	na
GLYPHOSATE	Touchdown, Roundup	H	Very Low	High	High	700	na	700

HEXAZINONE	Velpar, Pronone	H	High	High	Intermediate	na	400	230
IMIDACLOPRID	Admire, Provado, Gaucho, Merit	I	High	High	Intermediate	na	na	na
LAMBDA-CYHALOTHRIN	Demand, Warrior	I	Very Low	Low	Intermediate	na	na	na
LINURON	Linex, Lorox, Layby	H	Intermediate	High	Intermediate	na	na	na
MALEIC HYDRAZIDE	Royal MH-30, Sprout Stop	Plant Growth Regulator	Intermediate	Intermediate	Low	na	4000	3500
MANCOZEB	Manzate, Penncozeb, Dithane	F	Low	High	High	na	na	6
MCPA	Rhomene, Tripower, Trimec	H	Low	Intermediate	Intermediate	na	30	4
MCPP	Tripower, Trimec	H	High	Intermediate	Low	na	na	na
METAM-SODIUM	Vapam	Fumigant	Intermediate	Intermediate	Low	na	na	na
METHAMIDOPHOS	Monitor, Orthotox	I	Intermediate	Intermediate	Low	na	na	na
METHOMYL	Lannate	I	High	Intermediate	Low	na	200	175
METIRAM	Polyram	F	Very Low	Low	Intermediate	na	na	na
METRIBUZIN	Boundary, Sencor, Turbo, Axiom, Domain, Authority, Canopy, Top Gun, Metri	H	High	High	Low	na	70	na
NAPROPAMIDE	Devrinol	H	Intermediate	High	Intermediate	na	na	na
PARAQUAT	Gramoxone, Cyclone, Surefire, Marman Herbiquat	H	Very Low	Low	High	na	30	3
PENDIMETHALIN	Prowl	H	Low	Intermediate	High	na	na	na
PENTACHLORONITROBENZENE	Terraclor	F	Low	Low	Intermediate	na	na	na
PHOSMET	Imidan	I	Low	Intermediate	Low	na	na	na
PROPICONAZOLE	Orbit	F	Intermediate	High	High	na	na	9
SETHOXYDIM	Poast	H	Low	Intermediate	Low	na	na	na
SIMAZINE	Princep	H	High	High	Intermediate	4	na	3.5
S-METOLACHLOR	Dual, Bicep	H	High	High	Intermediate	na	700	100
TERBACIL	Sinbar	H	High	High	Intermediate	na	90	90
THIABENDAZOLE	Mertect	F	Low	High	High	na	na	na
THIOPHANATE-METHYL	Topsin M, Banrot	F	Low	Intermediate	Intermediate	na	na	na
TRIPHENYLTIN	Super Tin	F				na	na	na
VINCLOZOLIN	Curalan, Lesco Touche, Ronilan, Vorlan	F	Intermediate	Intermediate	Low	na	na	na

**All environmental fate information in this table was provided by the United States Department of Agriculture's Natural Resources Conservation Service. For details on how these values were established call Joseph Bagdon, Pest Management Specialist and WIN-PST Team Leader, at (413) 253-4376, or e-mail joseph.bagdon@ma.usda.gov. Written correspondence can be sent to: USDA/NRCS National Water and Climate Center, 451 West Street, Amherst, MA 01002-2995, Fax: (413) 253-4375.*

***There are basically two types of health-based acceptable levels for pesticides in drinking water; these are the standards (EPA's MCLs) and the guidelines (EPA's HALs and Maine's MEGs). MCLs are enforceable for public water systems, as defined by the Safe Drinking Water Act, and in setting them, the best available technology to achieve the level has to be considered. MEGs are set by the Environmental Toxicology program in the Maine Centers for Disease Control (MeCDC), and some of the values listed are final MEGs and some are interim. The MCLs and the guidelines (HALs and MEGs) are all used for guidance in private well situations. **Other potential routes of pesticide exposure to humans include dermal and inhalation.** For more information, please contact Lebelle Hicks, BPC Toxicologist, (207) 287-7594, or lebelle.hicks@maine.gov.*

**** na = not available*

Acronyms and abbreviations used in this table:

EPA—US Environmental Protection Agency

HAL—Health Advisory Level

MCL—Maximum Contaminant Level

MEG—Maximum Exposure Guidelines

ppb—parts per billion

ug/L—micrograms per liter