

Common Maine Agricultural Pesticides with Environmental Fate* and Drinking Water Advisory Levels**								
Active Ingredient	Selected Trade Names	Pesticide Type	Potential for Water Contamination			Drinking Water Guidelines (ug/L; ppb)		
		Fungicide (F) Herbicide (H) Insecticide (I)	Groundwater	Surface Water / Runoff		EPA		Maine
			Leaching	Solution	Adsorbed	MCL	HA	MEG
2,4-Dichlorophenoxyacetic Acid (Salts And Esters)	Amine 4, Formula 40, Weedar 64, Weedestroy	H	High	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	2
Azinphos-Methyl	Guthion, Sniper	I	Low	Intermediate	Intermediate	NA	NA	10
Azoxystrobin	Heritage, Abound, ICIA5504, Quadris/Ridomil Gold, Dynasty, Amistar, Quilt, Protégé	F	Intermediate	High	Intermediate	NA	NA	NA
Captan	Captan, Captec	F	Low	Intermediate	Low	NA	NA	200
Carbaryl	Carbaryl, Sevin	I	Low	Intermediate	Low	NA	NA	70
Carbofuran	Furadan	I	High	High	Intermediate	40	NA	40
Chlorothalonil	Bravo, Echo, Equus, Daconil	F	Low	Intermediate	Intermediate	NA	NA	100
Chlorpyrifos	Dursban, Lorsban	I	Low	Low	Intermediate	NA	2	10
Cymoxanil	Curzate, Dupont Tanos, Evolve	F	Low	Intermediate	Low	NA	NA	NA
Diazinon	Diazinon	I	Low	High	High	NA	1	5
Dicamba	Banvel	H	High	Intermediate	Low	NA	400	200
Diquat	Reglone, Reward, Prosecutor	H	Very Low	Low	High	20	NA	20
Disulfoton	Di-Syston	I	Intermediate	High	Low	NA	0.7	0.3
Diuron	Direx, Karmex, Krovar	H	Intermediate	High	Intermediate	NA	NA	10
Endosulfan	Thiodan, Phaser	I	Very Low	Intermediate	High	NA	NA	40
Endothall	Des-I-cate	H	Low	Intermediate	Low	100	50	100
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	High	High	Intermediate	NA	NA	NA
Fosetyl-Al	Aliette, Lesco Prodigy Signature, Terronate	F	Very Low	Intermediate	Low	NA	NA	NA
Glufosinate-Ammonium	Finale, Derringer	H	Low	Intermediate	Low	NA	NA	NA

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Glyphosate	Touchdown, Roundup, KleenUp	H	Very Low	High	High	700	NA	700
Hexazinone	Velpar, Pronone	H	High	High	Intermediate	NA	400	200
Imazapyr	KleenUp	H	High	High	Intermediate	NA	NA	NA
Imidacloprid	Admire, Provado, Gaucho, Merit	I	High	High	Intermediate	NA	NA	400
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	Low	Intermediate	Low	NA	4000	4000
Mancozeb	Manzate, Penncozeb, Dithane	F	Low	High	High	NA	NA	6
MCPA	Rhomene, Tripower, Trimec	H	Intermediate	Intermediate	Low	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	200
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	200
Napropamide	Devrinol	H	Intermediate	High	Intermediate	NA	NA	800
Oxyfluorfen	KleenUp	H	Very Low	Low	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	2
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	4
S-Metolachlor	Dual, Bicep	H	Intermediate	Intermediate	Low	NA	700	100

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Spinosad (spinosyn A & D)	Blackhawk, Elector	I	Very Low	Intermediate	Intermediate	NA	NA	NA
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
Triethylamine triclopyr	BrushBeGone	H	High	High	Intermediate	NA	NA	NA
Triphenyltin	Super Tin	F				NA	NA	NA
Vinclozolin	Curalan, Lesco Touche, Ronilan, Vorlan	F	Intermediate	Intermediate	Low	NA	NA	NA

*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.

**Shown are two types of health-based acceptable levels for pesticides in drinking water; these are the standards (EPA's 2012 MCLs) and the guidelines (EPA's 2012 HAs and Maine's 2016 MEGs). MCLs are enforceable for public water systems, as defined by the Safe Drinking Water Act. 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 (HAs and MEGs) are all used for guidance in private well situations. Other potential routes of pesticide exposure to humans include skin contact and inhalation. For more information, please contact Pam Bryer, BPC Toxicologist, pamelaj.bryer@maine.gov or (207) 287-7594.

Acronyms and abbreviations used in this table:

EPA—US Environmental Protection Agency

HA—Health Advisory

MCL—Maximum Contaminant Level

MEG—Maximum Exposure Guidelines

ppb—parts per billion

ug/L—micrograms per liter