

Maximum Residue Limits (MRLs) in part-per-million (ppm) For Citrus - By Country

Because MRLs change frequently, no guarantee is made concerning the accuracy of the below values.

Verify these values with other knowledgeable sources within specific markets of interest.

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Chemical Name	Trade Names (Examples only, not inclusive)	U.S.	Canada	CODEX	EU	Japan Grapefruit	Taiwan Grapefruit	Korea Grapefruit
2,4-D (2,4-Dichlorophenoxyacetic acid)	Citrus Fix, Hivol	3	2	1	1	2	2	1
Abamectin	Agri-Mek, Clinch, Zephyr, ABBA, Epi-mek, Reaper	0.02	0.02	0.01	0.01	0.01	0.01	0.01
Acephate	Acephate, Orthene	nonbearing						
Acequinocyl	Kanemite	0.2	0.35		0.2	2		
Acetamiprid	Assail	0.5	0.5*		1	5		
Aldicarb	Temik	0.3		0.2	0.02	0.3		0.2
Azadirachtin	Aza-Direct, Azatin, Ecozin, Neemix	exempt						
Azinphos-methyl salts	Asinphosmethyl, Guthion	2	2	1	0.05	1	2	1
Azoxystrobin	Abound	10	0.8*	15	1	1	1	15
Bifenazate	Acramite	nonbearing						
Bifenthrin	Brigade, Capture, Telstar, Fanfare	0.05		0.05	0.1	2	1	0.05
Bromacil	Bromo, Hyvar	0.1				0.07	0.5	0.1
Buprofezin	Applaud	2.5		1	1	2	0.5	1
Carbaryl	Sevin	10	10	15	0.05	7	2	15
Carfentrazone-ethyl	Aim	0.1			0.01	0.1		
Chlorpyrifos	Lorsban, Nufos	1	1	1	0.3; 0.2 lemon; 2.0 mandarins	1	1	0.3
Clethodim	Prism	nonbearing						
Cryolite	Kryocide	7						
Cyfluthrin		0.2		0.3	0.02	2		2
Dicofol	Dicofol, Kelthane	6	5	5	2	5	3	1
Diflubenzuron	Micromite	0.5		0.5	1	3	1	1
Dimethoate	Dimethoate, Cygon	2	1.5	5	0.02	2	2	2
Diuron	Diuron, Direx, Karmex	0.05 (except lemon)	1		0.1	0.8	0.2	1
Endosulfan	Endosulfan, Phaser, Thionex	nonbearing						
EPTC	Eptam	0.1			0.05	0.1		
Ethoprop[hos]	Mocap	nonbearing						
Fenbuconazole	Enable	1			1; 0.05 lemon, mandarin, lime	1		
Fenbutatin Oxide	Vendex	20	2	5	5	5	2	5
Fenoxycarb	Fenoxycarb, Award, Precision	nonbearing						
Fenpropathrin	Danitol	2			2	5	0.5	
Fenpyroximate	Portal	0.6		0.2 orange	0.5; 0.3 lemon, lime, mandarin	1	0.5	
Ferbam	Ferbam	4		10 mandarin; 2 orange		2	2	
Fluazifop-P-butly	Fusilade	nonbearing						
Fludioxonil	Graduate	10	10	7	7; 10 grapefruit	10		7
Formetanate Hydrochloride		1.5 (G, O); 0.03 (T), 0.6 (L)	4		0.05	4		
Fosetyl-aluminum	Aliette	5	9		75	150	10	
Glyphosate	Roundup, Durango, Touchdown, & others	0.5			0.1; 0.5 orange & mandarin	0.5	0.1	0.5
Harpin Protein	Messenger	exempt						
Hexythiazox	Savey	nonbearing						
Hydrogen cyanide		50				50		
Imazalil	Various	10	5	5	5	5	2	5
Imidacloprid	Admire, Alias, Provado, Couraze, Nuprid, Pasada,	0.7	1	1	1	1		1
Malathion	Malathion, Atrapa, Fyfanon	8		7	0.02	4	2	7
Metalaxyl, Mefenoxam	Ridomil Gold, Subdue, UltraFlourish	1	5	5	0.5	2	0.5	5
Metaldehyde	OR-Cal Slug & Snail Bait	0.26			0.05			
Methanearsonic acid (MSMA)		0.35					0.5	
Metidathion	Supracide	4; 6 mandarin	2	2; 5 mandarin	5	5	1	2

Over =====>

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Methoprene	Extinguish Ant Bait	exempt			0.05			
Naled	Dibrom	3	3			0.2		
Neem oil extract	Trilogy	exempt				exempt		
Norflurazon	Solicam	0.2				0.2		0.2
Oryzalin	Oryzalin, Surflan	0.05			0.01	0.08		
Oxamyl	Vydate	3		5	0.01; 0.02 mandarin	5	0.5	5
Oxyfluorfen	Goal	nonbearing						
Paraquat Dichloride	Paraquat, Gramoxone, Boa	0.05		0.02	0.02	0.05	0.2	0.02
Pendimethalin	Prowl, Pendimax	0.1			0.05	0.05		
Phosmet	Imidan	5		3	0.2	5	1	5
Phosphites	Fosphite, Phostrol, ProPhyt	exempt						
Piperonyl Butoxide	Evergreen EC	8 orange	8 orange	5		5		5
Propargite	Comite, Omite	5 grapefruit & lemon; 10 orange	5	3	3	3	5	5
Propiconazole	Banner, Bumper, Tilt, Orbit, PropiMax	nonbearing						
Pyraclostrobin	Headline	2	2*	1	1	2		1
Pyrethrins	Pyrellin (+ Rotenone), Evergreen (+ Piperonyl Butoxide)	1 orange	1 orange	0.05	1	1		
Pyridaben	Nexter	0.5			0.5	2	2	
Pyrimethanil	Penbotec	10	10*	7	10	15		7
Pyriproxyfen	Distance, Esteem, Knack	0.3		0.5	0.6	0.5	0.3	0.5
Rimsulfuron		0.01			0.05			
Rotenone	Pyrellin (Pyrethrins + Rotenone)	exempt			0.01			
Sethoxydim	Poast Plus	0.5			0.1	1		1
Simazine	Simazine, Princep, Sim-Trol	0.25 grapefruit, orange, lemon			0.1	0.2		0.25
Sodium aluminoflouride	Prokil Cryolite	7						
SOPP (2 Phenylphenol, O-phenylphenol)	Various	10	10	10	12 (listed as food additive)	10		10
Spinetoram	Delegate	0.3	0.3*		0.2			
Spinosad	Entrust, Naturalyte, Justice, Spintor	0.3	0.3*	0.3	0.3	0.3	0.3	0.3
Spirodiclofen	Envidor	0.5	0.5*		0.5; 0.1 Lime, tangerine	2		
Spirotetramat	Movento	0.6	0.6	0.5	1			0.5
Sulfur		exempt						
Tebufenozide		0.8		2	2	2		2
Thiabendazole (TBZ)	Various	10	10	7	5	10	10	10
Thiamethoxam	Actara, Plantinum	0.4	0.02		0.2	1		1 tangerine
Thiazopyr	Mandate	0.05 grapefruit & orange				0.05		
Trifloxystrobin	Gem	0.6		0.5	0.3	0.3		0.5
Trifloxysulfuron		0.03				0.03		
Trifluralin	Trifluralin, Treflan, Trilin	0.05			0.1	0.05	0.05	0.05
zeta-cypermethrin	Mustang	0.35		2	2	2		2

Updated=> Aug-09 Aug-09 Aug-09 Aug-09 Aug-09 Aug-09 Aug-09 Aug-09

Last Updated: September 18, 2009

*grapefruit, lemon, lime, tangerine & citrus hybrid

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Please send suggestions to:

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