

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.

Materials **EXEMPT** from US tolerances or labeled only for application to **NONBEARING trees are NOT included**

Proposed values are not in effect and may never be adopted, but are listed to notify of potential upcoming changes

"E" indicates potential MRL reduction or elimination for the indicated market perhaps a year or more in the future.

Abbreviations: G = grapefruit, O = sweet orange, T = tangerine (mandarin), L = lemon, P=pummelo

Visit <http://irrec.ifas.ufl.edu/postharvest/> for more details & updates

Chemical Name	Brand or Trade Names (Examples only, not exhaustive)	U.S. Citrus	CODEX Citrus	Canada Citrus	EU (G & O only)	Great Britain (G & O only)	Japan (G & O only)	Korea (G & O only)	Taiwan (G & O only)
2,4-D (2,4-Dichlorophenoxyacetic acid)	Citrus Fix, Hivol	3	1	2	1	1	2 (3 proposed)	0.15	2
Abamectin	Agri-Mek, Clinch, Zephyr, ABBA, Epi-mek, Reaper; Minecto Pro	0.02	0.02	0.02	0.04	0.04	0.1	0.01 (G); 0.05 (O)	0.01
Acequinocyl	Kanemite	0.35		0.35	0.2 (G); 0.4 (O) (0.6 proposed)	0.2 (G); 0.4 (O)	2	0.01 (G); 0.7 (O)	0.2
Acetamiprid	Assail	1	1	0.5	0.9	0.9	2	0.5	0.5
Acibenzolar-S-methyl	Blockade	0.02	0.015	0.1	0.01	0.01	0.02	0.015	
Azoxystrobin	Abound, Graduate A+, Quadris Top (component)	15	15	15	15	15	10	10	10
Beta-cyfluthrin	Baythroid XL	0.2	0.3	0.1	0.02 (E)	0.02	2 (1 proposed)	0.2	0.3
Bifenthrin	Brigade, Capture, Telstar, Fanfare	0.05	0.05	0.1	0.05 (E)	0.05	2	0.01 (G), 0.5 (O)	0.5
Boscalid	Pristine (component)	2	2	3	2	2	10	2	0.01 (G); 5 (O)
Bromacil	Bromo, Hyvar	0.1		0.1	0.01	0.01	0.1	0.01	0.5
Buprofezin	Applaud, Centaur	4	1	0.1 (G, L, P), 4 (O, T)	0.01	0.01	3 (G), 2 (O)	0.01 (G), 2.5 (O)	0.5
Carbaryl	Sevin	10	15	10	0.01	0.01	5	0.01 (G), 7 (O)	1
Carfentrazone-ethyl	Aim	0.1		0.1	0.02	0.01	0.1	0.01	0.1
Chlorantraniliprole	Altacor, part of VoliamFlexi	1.4	0.7	0.7	0.7	0.7	0.7	0.6	0.5
Chlorpyrifos	Lorsban, Nufos	1	1	1	0.01	0.01	1	1	1
Clothianidin	Belay	0.07	0.07	0.1	0.06 (E)	0.06	2	0.01 (G); 0.3 (O)	1
Cyantraniliprole	Exirel; Minecto Pro	0.7	0.7	0.7	0.9	0.9	0.7	0.7	
Cyfluthrin	Baythroid	0.2	0.3	0.1	0.02	0.02	2	0.2	0.3
Difenoconazole	Quadris Top (component), Miravis Top (component)	0.6	0.6	0.8	0.6	0.6	0.6	0.6	0.6
Diflubenzuron	Micromite	3	0.5	0.1	0.01	0.01	3	0.01 (G); 2 (O)	1
Dimethoate	Dimethoate, Cygon	2	5	1.5	0.01	0.01	2	0.01	2
Diuron	Diuron, Direx, Karmex	0.05, 0.5 (L)		1	0.01	0.01	0.8 (G), 0.05 (O)	0.01	0.05 (G), 0.2 (O)
Fenazaquin	Magister SC	0.4		0.1	0.5 (0.3 proposed) (E)	0.5	0.01 (0.4 proposed)	0.4	0.5
Fenbuconazole	Enable	1	0.5 (G, O, T, P), 1 (L)	1	0.7 (G); 0.9 (O) (E; MRL not anticipated to change through 2022)	0.7 (G); 0.9 (O)	1	0.5	0.01

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Fenbutatin Oxide	Vendex	20	5	2	0.01	0.01	5	0.01	2
Fenpropathrin	Danitol	2	2	2	2 (0.01 proposed)	2	5 (3 proposed)	2	0.5
Fenpyroximate	Portal	1	0.6	1	0.5	0.5	1	0.7	0.5
Ferbam	Ferbam	4	10 (T), 2 (O)	0.1	0.01	0.01	2	0.01	2
Fluazifop-P-butyl	Fusilade	0.03	0.01	0.03	0.01	0.01	0.05	0.01	0.01
Fludioxonil	Graduate, Graduate A+	10	10	10	10	10	10	10	5
Flumioxazin	Chateau	0.02		0.01	0.02	0.02	0.1	0.01	
Fluopyram		1	0.4 (G, P), 0.6 (O, T), 1 (L)	1	0.4 (G), 0.6 (O) (0.5 proposed for both)	0.4 (G), 0.6 (O)	1	1	0.3 (G), 0.5 (O)
Flupyradifurone	Sivanto	3	0.7 (G, P), 4 (O), 1.5 (T, L)	3	0.01 (3 proposed)	0.01	3	3	1
Fluxapyroxad		1	0.3 (O)	1	0.3 (0.4 G proposed)	0.3	1	1	0.5 (G), 0.8 (O)
Formetanate Hydrochloride		1.5 (G, O), 0.03 (T), 0.6 (L)		0.4 (G), 0.9 (O), 0.03 (T), 0.09 (L)	0.01	0.01	2	0.01	1.5
Fosetyl-aluminum	Aliette	9	50 (T), 20 (O)	9	75	75	150	0.01 (G), 4 (O)	10
Glufosinate-ammonium		0.15	0.05	0.1	0.05 (E)	0.05	0.2	0.05	0.1
Glyphosate	Roundup, Durango, Touchdown, & others	0.5		0.1	0.1 (G) 0.5 (O)	0.1 (G) 0.5 (O)	0.5	0.05	0.1
Hexythiazox	Savey	0.6	0.5	0.5	1 (0.5 proposed)	1	1	0.6	1
Imazalil	DECCOZIL EC-289, Freshgard 700, Fungaflor 500EC	10	5 (G, T, P), 8 (O), 15 (L)	5	4	4	5	15	5
Imidacloprid	Admire, Alias, Provado, Couraze, Nuprid, Pasada, Widow	0.7	1	1 (proposed phase out)	1 (0.9 proposed, but possibly drop to 0.01 by end of 2022) (E)	1	0.7	0.7	1
Indaziflam	Alion	0.01		0.01	0.01	0.01	0.01	0.01	
Malathion	Malathion, Atrapa, Fyfanon	8	7	0.1	2 (E)	2	7	0.01 (G), 4 (O)	2
Mancozeb		10 (T)	10	0.1					
Mesotrione		0.01		0.1	0.01	0.01	0.01	0.01	
Metalaxyl-M, Mefenoxam	Ridomil Gold, Subdue, UltraFlourish	1	5	5	0.7 (E)	0.7	0.7	0.01	0.5
Metaldehyde	OR-Cal Slug & Snail Bait	0.26		0.1	0.05	0.05	0.7	0.01	
Methoxyfenozide	Intrepid 2F	3	2	10	2 (E)	2	3	3	2
Methyl bromide		30	30	0.1	30	30	30	30	
NAA (1-naphthaleneacetic acid)	Fruit Fix	0.1 (O & T)		0.1	0.06 (O)	0.06 (O)	5 (O)	0.01 (O)	exempt
Naled	Dibrom	3		3	0.01	0.01	0.2	0.01	
Norflurazon	Solicam	0.2		0.1	0.01	0.01	0.2	0.01	0.2
Oryzalin	Oryzalin, Surflan	0.05		0.1	0.01	0.01	0.08	0.01	
Oxamyl	Vydate	3		0.1	0.01	0.01	5	0.01	0.5 (G), 1 (O)
Oxathiapiprolin		0.06	0.05	0.06	0.01	0.05	0.06	0.05	
Oxytetracycline (sect. 18)		0.01		0.1	0.01	0.01	0.2	0.01	

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Paraquat Dichloride	Paraquat, Gramoxone, Boa	0.05	0.02	0.1	0.02	0.02	0.05	0.01	0.2
Pendimethalin	Prowl, Pendimax	0.1	0.03	0.1	0.05	0.05	0.05 (0.03 proposed)	0.05	0.01
Phosmet	Imidan	5	3	0.1	0.5 (proposed E)	0.5	5	3	1
Phosphine		0.01		0.01	0.01	0.01	0.01	0.01	
Piperonyl Butoxide	Evergreen EC	8 (O)	5 (O)	8 (O)			5 (O)	0.01 (O)	5 (O)
Propargite	Comite, Omite	5 (G, L), 10 (O)	3	5	0.01 (G), 4 (O) (E)	0.01 (G), 4 (O)	3 (5 proposed)	0.01	5
Propiconazole	Banner, Bumper, Tilt, Orbit, PropiMax	8	4 (G, P), 10 (O, T, L)	8	5 (G) 9 (O) (E)	5 (G) 9 (O)	8	8	4
Pydiflumetofen	Miravis Top (component)	1		1	0.01	0.01	0.01	1	
Pyraclostrobin	Headline	2	2	2	2	2	2	2	1
Pyrethrins	Pyrellin (+ Rotenone), Evergreen (+ Piperonyl Butoxide)	1 (O)	0.05 (O)	1 (O)	1 (O)	1 (O)	1 (O)	1	0.05 (O)
Pyridaben	Nexter	0.9		0.9	0.3	0.3	1	0.01	2
Pyrimethanil	Penbotec	10	7	10	8	8	10	7	7
Pyriproxyfen	Distance, Esteem, Knack	0.5	0.5	0.5	0.6	0.6	2	0.01	0.3 (G), 0.5 (O)
Rimsulfuron	Matrix	0.01		0.1	0.01	0.01	0.01	0.01	
Saflufenacil	Treevix, Kixor	0.03	0.01	0.03	0.03	0.03	0.03	0.03	0.03
Sethoxydim	Poast Plus	0.5		0.1	0.1 (0.01 proposed)	0.1	0.5	1	
Simazine	Simazine, Princep, Sim-Trol	0.25 (G, O, L)		0.1	0.01	0.01	0.2	0.01	
SOPP (2 Phenylphenol, O-phenylphenol, OPP)	DECCOSOL 125, FreshGard 5	10	10	10	10	10	10	0.01	10
Spinetoram	Delegate	0.3	0.07 (O), 0.15 (T)	0.3	0.2 (0.02 G; 0.07 O proposed)	0.2	0.7	0.01 (G), 0.05 (O)	0.2
Spinosad	Entrust, Naturalyte, Justice, Spintor	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Spirodiclofen	Envidor	0.5	0.4	0.5	0.5 (E)	0.5	2	0.4	0.5
Spirotetramat	Movento	0.6	0.5	0.6	1 (0.5 proposed)	1	3	0.5	0.5
Streptomycin (sect. 3)	FireWall	2		0.1	0.01	0.01	0.02	0.01	
Tebuconazole		1 (O)		1 (O)	0.9 (O)	0.9 (O)	5 (O)	0.01 (O)	0.01 (O) (4 proposed)
Thiabendazole (TBZ)	Freshgard 598, Alumni, DECCO Salt No. 19	10	7	10	7	7	10	7	10
Thiamethoxam	Actara, Platinum, part of VoliamFlexi	0.4	0.5	0.4	0.15 (E)	0.15	1	0.3	0.4 (G) 1 (O)
Tolfenpyrad	APTA	0.8		1.5	0.01	0.01	3	0.8	0.01 (G); 0.5 (O)
Trifloxystrobin	Gem	0.6	0.5	0.6	0.5	0.5	3	0.5	0.5
Trifluralin	Trifluralin, Treflan, Trilin	0.05		0.1	0.01	0.01	0.05	0.01	0.05
zeta-cypermethrin	Mustang	0.35	0.5 (G, P), 0.3 (O, T, L)	1	2 (E)	2	2	0.3	2
Tolerance for unlisted materials=> Updated=>		None Jun-21	None Jun-21	0.1 Jun-21	0.01 Jun-21	0.01 Jun-21	0.01 Jun-21	0.01 Feb-22	None Jun-21

Last Updated: February 7, 2022