

CITRUS - Export MRLs update

April 2010

- I. The information contained in this document is provided as guidance as an aid to help ensure compliance with maximum residue limits (MRLs) in countries, as listed, to which citrus fruit are exported.
- II. No absolute guarantee can however be given that export MRLs will not be exceeded in all instances. It is therefore strongly recommended that this information be used in conjunction with residue monitoring to avoid violative residues.
- III. The MRLs listed in this document have been developed on the basis of currently available information obtained from domestic and international regulatory authorities and agrochemical companies.
- IV. Please note, that Citrus Australia Ltd (CAL) cannot guarantee the accuracy of the information as MRL standards are subject to continual change and as inadvertent transcription errors may have occurred.
- V. It is also strongly recommended that farmers maintain accurate and detailed records of all farm chemicals applied.

Notes:

1. AUSTRALIA, CODEX, Korea, China, USA and EU: In the absence of a set MRL, a zero tolerance applies.
 2. CANADA: MRLs as of November 2009. In the absence of a set MRL, a default MRL of 0.1 mg/kg applies.
 3. MALAYSIA: In the absence of a set MRL, *Codex MRLs apply*, in the absence of a Codex MRL a maximum residue limit of 0.01 mg/kg applies.
 4. HONG KONG: Currently recognises Codex MRLs.
 5. SINGAPORE: In the absence of a nationally set MRL, default to the Codex level (MRLs as of 2006)
 6. TAIWAN: Pesticides not listed, except for those import tolerances developed, shall not be detected (MRLs as per Document 2008.11)
 7. INDONESIA: As per Regulation No. 27/Permentan/PP.340/2009 -Food Safety Surveillance for Entry and Exit of Fresh Food of Plant Origin
 8. NEW ZEALAND: Compliance with Australian Food Standards Code recognised by NZ due to Trans-Tasman Mutual Recognition Arrangement for food imported from Australia.
 9. JAPAN: In the absence of a MRL, the default level of 0.01 mg/kg applies.
 10. EU: MRLs as at December 2nd 2009.
 11. MRLs indicated for China based upon document GB 2763-2005
 12. Thailand: In the absence of a national standard Codex MRLs *may* apply
 13. Oil MRLs deemed unnecessary.
- # The registration status of the chemicals listed may vary for each commodity and in each State. Prior to using any chemical, consult the label and/or regulatory authority in your State.

LEGEND

FSANZ MRLs are used as the default Australian MRL unless otherwise indicated.








⊕ Currently under review by APVMA

* Signifies an MRL @ the limit of quantitation (LOQ)

NB: Examples of trade names provided do not signify specific product endorsement.

For agricultural chemicals registered for use on Australian oranges, mandarins and lemons, for domestic and export markets

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^π Plant Growth Regulators

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CITRUS MAXIMUM RESIDUE LIMITS

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Chemical	Australia & NZ ^{1,8}	Codex ¹	Canada ²	China ^{1,11}	Malaysia ³	Singapore ⁵	Japan ⁹	USA ¹	Taiwan ⁶	Indonesia ⁷	Korea ¹	EU ¹⁰	Thailand ¹²
INSECTICIDES													
Organophosphate													
azinphos methyl [⊕] (Gusathion)	2	1	2	Not set	1	2	1	Not set	2	Not set	1 (O, L) 2 (M)	*0.05	Not set
cadusafos (Rugby)	*0.01	Not set	Not set	0.005	Not set	Not set	0.01	Not set	Not set	Not set	Not set	*0.01	Not set
chlorpyrifos [⊕] (Lorsban)	T0.5	1	1	2	1	0.3	1	1	1	1	0.3 (O, L) 1.0 (M)	0.2 (L) 0.3 (O) 2.0 (M)	Not set
diazinon [⊕] (Diazinon)	0.7	Not set	0.7	Not set	0.5	0.7	0.1 (M,O), 0.5 (L)	Not set	Not set	0.7	0.7 (O,L), 0.1 (M)	*0.01	Not set
dimethoate [⊕] (Saboteur)	5	5	1.5	2	2	2	2	2 (L, O, M*)	2	5	2	*0.02	2
Fenamiphos [⊕] (Nemacur)	*0.05	Not set	Not set	Not set	Not set	0.5 (O) 0.05 (M, L)	0.04 (M) 0.2 (O,L)	0.5	0.1	Not set	0.5 (O, L)	*0.02	Not set
fenthion [⊕] (Lebaycid)	2	2	Not set	0.05	2	2	2	Not set	0.5	2	Not set	3	Not set
maldison (Maldison)	4	7	Not set	4	4	4	4	8 (L, O)	2	7	Not set	*0.02	4
methidathion [⊕] (Supracide)	2 (O, L) 5 (M)	2 (O, L), 5 (M)	2	2	Not set	2 (O, L), 5 (M)	5	4.0 (O, L), 6.0 (M*)	1	2 (O)	2 (O,L), 5 (M)	5	0.5 (O)

* MRLs established for tangerine

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omethoate [⊕] (Folimat)	2	Not set	Not set	Not set	Not set	Not set	1	Not set	1	Not set	0.01 (O, L), 0.2 (M)	*0.02	2
parathion methyl [⊕] (Folidol)	T1	Not set	Not set	Not set	Not set	Not set	0.2	Not set	Not set	Prohibited	Not set	*0.02	0.2
Organochlorine													
Dicofol (Kelthane)	5	5	5	1	5	5	5	6	1	5	1	2	5
endosulfan (Thiodan)	0.3	Not set	Not set	Not set	2	2	0.5	Not set	Not set	0.5 (O)	0.1(L)	*0.05	Not set
Pyrethroids													
Bifenthrin ^ψ (Talstar)	*0.05	*0.05 (O, L)	Not set	0.05	Not set	Codex	2	0.05	1	0.05 (O)	0.3 (M) 0.05 (O, L)	0.1	Not set
cyhalothrin (lambda/gamma)	*0.01	0.2	Not set	0.2	Not set	Not set	1	Not set	1	Not set	1 (O, L) 0.5 (M)	0.1 (O) 0.2 (L, M)	Not set
Permethrin [∞] (Ambush)	Not set	0.5	Not set	2	Codex	0.5	5	Not set	2	0.5	0.5	*0.05	Not set
pyrethrins	1	0.05	1 (O)	Not set	Exempt	1	1	1 (O)	Not set	0.05	1	1	Not set
Carbamates													
aldicarb (Temik)	0.05	0.2	Not set	Not set	Codex	0.2	0.3 (O,L) 0.2 (M)	0.3 (O, L)	Prohibited	0.2	0.2	*0.02	Not set
carbaryl [⊕] (Bugmaster)	7	15	10	Not set	Codex	7	7	10	2	7	Not set	*0.05	15 (O)
methiocarb (MesuroI)	0.1	Not set	Not set	Not set	Not set	0.05	0.05	Not set	Not set	Not set	0.05 (O, L), 0.5 (M)	*0.1 (O), 0.2 (L, M)	Not set

^ψ Soil treatment only

[∞] Treatment of nursery plants only

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methomyl (Lannate)	1	1	1	1	Codex	2	10	2	1	1	1	0.5 (O), 1 (L,M)	1
pirimicarb (Pirimor)	0.5	3	Not set	Not set	Codex	0.5 (O), 0.05 (L, M)	0.5 (O), 0.05 (L, M)	Not set	0.5 (O)	0.05	0.5 (O), 0.05 (L, M)	3	Not set
Other insecticides													
abamectin (Vertimec)	0.01	*0.01	0.02	0.01	Codex	Codex	0.01	0.02	0.01	0.01	0.02 (M)	*0.01	0.01 (O)
buprofezin (Applaud)	2	1	Not set	0.5	Codex	Codex	2	2.5	0.5	0.5 (O)	0.3 (M, O)	1	Not set
Clofentezine [®] (Apollo)	Not set	0.5	Not set	0.5	Codex	Codex	0.5	Not set	2	0.5	0.5	0.5	Not set
fenbutatin oxide (Torque)	5	5	2	5	Codex	5	5	20	2	5	5	5	Not set
imidacloprid (Confidor Guard)	2	1	1	Not set	0.5	Not set	0.7	0.7	1	1	0.5 (M)	1	Not set
metaldehyde (Slugger)	1	Not set	Not set	Not set	1	Not set	Not set	0.26	Not set	Not set	0.05	*0.05	Not set
methoxyfenozide (Prodigy)	1 [☆]	0.7 [∞]	Not set	Not set	Not set	Not set	Note set	10	Note set	Not set	1 (M)	1	Not set
pyriproxyfen (Admiral)	0.3	0.5	Not set	Not set	Not set	Not set	0.5	0.3	0.3 (O,L)	0.05	Not set	0.6	Not set
Spinosad (Success)	0.3	0.3	0.3	Not set	Codex	Codex	0.3	0.3	0.3	0.3	0.1 (M)	0.3	Not set
Spirotetramat (Movento)	1 [☆]	0.5	0.6	Not set	Codex	Codex	Note set	0.6	Not set	Not set	Note set	1	Not set

® PER10873 Bare rooted & nursery plants NSW only – Expires 30 September 2011

☆ APVMA MRL – methoxyfenozide and spirotetramat expected to be promulgated into FSANZ Food Standards Code mid 2010

∞ Proposed Codex MRL, establishment anticipated mid 2010

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tebufenozide (Mimic)	1	2	Not set	Not set	Codex	Codex	2	0.8	1.5	2	1 (M)	2	Not set
thiamethoxam (Actara)	1	Not set	0.02	Not set	Not set	Not set	1	0.4	0.4 (O)	Not set	1 (M)	0.2	Not set
piperonyl butoxide	8	5	8 (O)	Not set	Codex	8	5	8 (O)	Not set	Not set	Not set	Not set	Not set
FUNGICIDES													
2-Phenylphenol (Brycote)	10	10	10	Not set	10	Codex	10	10	Not set	10	10	12 ^{6p}	Not set
carbendazim [Ⓞ] (Bavistin)	10	1 (O)	10	0.5	10	10	3 (O, M) 7 (L)	Not set [Ⓢ]	3	Not set	7	0.5	Not set
copper	Exempt	Not set	50	Not set	Exempt	30	Exempt	Exempt	Exempt	Not set	Not set	20	Not set
fludioxonil [∞] (Scholar)	10	7	10	Not set	Not set	Codex	10 (L) 1 (O, M)	10	7	7	1 (M) 0.05 (O,L)	7	Not set
guazatine (Panoctine)	5	5 [∨]	Not set	Not set	Not set	Codex	1	Not set	5 [Ⓞ]	Not set	0.5 (M)	5	Not set
imazalil (Fungaflor)	10	5	5	5	Not set	5	5	10	5	5	5	5	Not set
mancozeb (Dithane)	0.2	10 (M) 2 (O)	Not set	Not set	10	Codex	10 (M) 2 (O,L)	Not set	2	2 (O)	5 (M)	5	2 (O)
propineb (Antracol)	0.2	10 (M) 2 (O)	Not set	Not set	10	Codex	10 (M) 2 (O,L)	Not set	2	2 (O)	2 (M)	*0.05	2 (O)

^{6p} Proposed MRL of 5 mg/kg (*EFSA Scientific Report* (2008) 217, 1-67) via inclusion in Annex 1 from January 1, 2011 (Commission Directive 2009/160/EU).

[Ⓞ] Use of carbendazim in citrus suspended in Australia from July 2010

[Ⓢ] US MRL of 0.5 mg/kg expired 31/12/2009

[∞] APVMA MRL – promulgation into FSANZ Food Standards Code anticipated in 2011

[∨] Codex Guideline level

[Ⓞ] SPS notification G/SPS/N/TPKM/131 – Taiwan is proposing to remove MRL for guazatine

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zineb	0.2	10 (M) 2 (O)	Not set	Not set	10	Codex	10 (M) 2 (O,L)	Not set	prohibited	2 (O)	5 (M)	5	2 (O)
phosphorous acid	100	Not set	Not set	Not set	Not set	Not set	Exempt	Exempt	Not set	Not set	Not set	Not set	Not set
Sulfur	Not set	Not set	Not set	Not set	Exempt	Not set	Not set	Exempt	Exempt	Not set	Not set	50	Not set
thiabendazole (Tecto)	10	7	10	10	10	10	10	10	10	10	10	5	Not set
GROWTH REGULATORS													
2,4 – D (Stop Drop)	5	1	2	Not set	Not set	2	2	3	2	1	2 (O, L)	1	Not set
dichlorprop (Corasil)	0.2	Not set	Not set	Not set	Not set	Not set	3	Not set	Not set	Not set	Not set	*0.05	Not set
ethephon (Ethrel)	2 (O, M)	Not set	1	Not set	Not set	Not set	2	Not set	Not set	Not set	0.5 (M), 2 (L)	*0.05	Not set
gibberellins (GA ₄ /GA ₇)	Exempt	Not set	Not set	Not set	Not set	Not set	0.2	Exempt	Not set	Not set	Not set	Exempt	Not set
HERBICIDES													
2,2-DPA (Atlapon)	*0.1	Not set	Not set	Not set	Not set	Not set	0.1	Not set	Not set	Not set	Not set	*0.01	Not set
amitrole (Amitrole T)	*0.01	Not set	Not set	Not set	Not set	Not set	Non detect	Not set	Not set	Not set	Not set	*0.01	Not set
bromacil (Hyvar)	*0.04	Not set	Not set	Not set	Not set	0.04	0.05 (L,M) 0.07 (L)	0.1	0.5	Not set	0.1	*0.01	Not set
carfentrazone (Hammer)	*0.05	Not set	Not set	Not set	Not set	Not set	0.1	0.1	Not set	Not set	Not set	*0.01	Not set

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dichlobenil (Casoran G)	0.1	Not set	Not set	Not set	Not set	Not set	0.2	Not set	Not set	Not set	0.15	0.1 ⁹	Not set
diquat (Reglone)	*0.05	Not set	Not set	Not set	Not set	Not set	0.03	0.05	Not set	Not set	Not set	*0.05	Not set
diuron [®]	0.5	Not set	1	Not set	0.5	Not set	0.05 (O,M) 0.8 (L)	0.5	0.2	Not set	1	0.1	Not set
fluazifop-butyl (Fusilade)	*0.02	Not set	Not set	Not set	Not set	Not set	0.1	Not set	Not set	Not set	Not set	0.1 (O) 0.2(L, M)	Not set
glufosinate (Basta)	0.1	0.1	Not set	Not set	0.1	Codex	0.3	Not set	0.1	0.1	0.3	*0.1 (O,M) 0.5(L)	Not set
glyphosate (Roundup)	0.5	Not set	Not set	0.1	0.2	Not set	0.5	0.5	0.1	Not set	0.5	0.5 (O,M) *0.1(L)	Not set
haloxyfop (Verdict)	*0.05	*0.05	Not set	Not set	Codex	Codex	0.05	Not set	0.1	0.05	Not set	*0.05	Not set
isoxaben (Gallery)	*0.01	Not set	Not set	Not set	Not set	Not set	Not set	Not set	Not set	Not set	Not set	*0.02	Not set
norflurazon (Zoliar)	0.2	Not set	Not set	Not set	Not set	Not set	0.2	0.2	Not set	Not set	0.2	*0.01	Not set
oryzalin (Surflan)	0.1	Not set	Not set	Not set	Not set	Not set	0.08	0.05	Not set	Not set	Not set	*0.01	Not set
oxyfluorfen (Goal)	Not set	Not set	Not set	Not set	Not set	Not set	Not set	Not set	Not set	Not set	0.05 (M)	*0.05	Not set
paraquat (Gramoxone)	*0.05	0.02	Not set	0.2	Codex	0.05	0.05	0.05	0.2	0.02	Not set	*0.02	0.02 (O)
pendimethalin (Stomp)	*0.05	Not set	Not set	Not set	Not set	Not set	0.05	0.1	Not set	Not set	Not set	*0.05	Not set

⁹ Commission Decision 2008/754/EC – withdrawal of dichlobenil from EU as of March 2010

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simazine (Gesatop)	*0.1	Not set	Not set	Not set	Not set	Not set	0.1 (M) 0.2 (O, L)	0.25 (O, L)	Not set	Not set	0.25 (O, L)	0.1	Not set
trifluralin (Treflan)	*0.05	Not set	Not set	0.05	Not set	Not set	0.05	0.05	0.05	Not set	0.05	*0.1	Not set

O Orange

L Lemon

M Mandarin



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