

CITRUS - Export MRLs

March 2009

- 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 Australian Citrus Growers 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: In the absence of a set MRL, a default MRL of 0.1 mg/kg applies (July 2004).
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 of November 2008)
7. INDONESIA: As per Draft Decree notified in G/SPS/N/IDN/32 dated 17 April 2007, revised April 2008. Default tolerance has not been specified in the absence of a set MRL (2008).
8. NEW ZEALAND: Compliance with Australian food standards recognised by NZ due to Trans-Tasman Mutual Recognition Arrangement for food imported from Australia.
9. JAPAN: In the absence of a MRL default level of 0.01 mg/kg applies.
10. On March 1, 2008, the Annexes II and III to Regulation (EC) 396/2005 were published in the Official Journal. These MRLs came into force on September 1st, 2008. Subject to further amendment
11. MRLs indicated for China based upon document GB 2763-2005
12. 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 citrus (oranges, mandarins and lemons) for domestic and export markets (as at 27 February 2009)

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^π Plant Growth Regulators

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CITRUS MAXIMUM RESIDUE LIMITS

For agricultural chemicals registered for use on Australian citrus (oranges, mandarins and lemons) for domestic and export markets (as at 27 February 2009)

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
INSECTICIDES												
Organophosphate												
azinphos methyl [⊕] (Gusathion)	2	1	2	Not set	1	2	1	2	2	Not set	1	*0.05
cadusafos (Rugby)	*0.01	Not set	Not set	0.005	Not set	Not set	0.01	Not set	Not set	Not set	Not set	Not set
chlorpyrifos [⊕] (Lorsban)	T0.5	1	1	2	1	0.3	1	1	2	1	0.3 (O, L) 1.0 (M)	0.2 (L) 0.3 (O) 2.0 (M)
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
dimethoate [⊕] (Saboteur)	5	5	1.5	2	2	2	2	2	2	2	2	*0.02
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
fenthion [⊕] (Lebaycid)	2	2	Not set	0.05	2	2	2	Not set	0.5	2	Not set	3
maldison (Maldison)	4	7	Not set	4	4	4	4	8 (L, O)	2	7	0.5 (O)	*0.02
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

* 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
parathion methyl [⊕] (Folidol)	T1	Not set	1	Not set	Not set	Not set	0.2	Not set	Not set	Prohibited	Not set	*0.02
Organochlorine												
Dicofol (Kelthane)	5	5	5	1	5	5	5	6	3	5	1	2
endosulfan (Thiodan)	0.3	Not set	Not set	Not set	2	2	0.5	Not set	Not set	0.5 (O)	0.1	*0.05
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
cyhalothrin (lambda/gamma)	*0.01	Not set ^a	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)
Permethrin [∞] (Ambush)	Not set	0.5	Not set	2	Codex	0.5	5	Not set	2	0.5	0.5	*0.05
pyrethrins	1	0.05	1 (O)	Not set	Exempt	1	1	1 (O)	Not set	0.05	1	1
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
carbaryl [⊕] (Bugmaster)	7	7	10	Not set	Codex	7	7	10	2	7	Not set	*0.05
methiocarb (Mesuro)	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)

^ψ Soil treatment only

^a Codex MRL of 0.2 mg/kg proposed by 2008 JMPR

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

^b EU MRL of *0.02 mg/kg proposed

^c Codex MRL of 1.0 mg/kg for Citrus fruits proposed by 2008 JMPR

[®] PER8704 Bare rooted & nursery plants only – Expired 30 September 2008

[☆] APVMA MRL

[◇] UK Temporary MRL

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tebufenozide (Mimic)	1	2	Not set	Not set	Codex	Codex	2	0.8	Not set	2	1 (M) 0.05 (O,L)	2
thiamethoxam (Actara)	T0.2 ^λ	Not set	0.02	Not set	Not set	Not set	0.5	Not set	Not set	Not set	1 (M)	0.2
piperonyl butoxide	8	5	8 (O)	Not set	Codex	8	5	8 (O)	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	Not set
carbendazim [⊕] (Bavistin)	10	Not set	10	0.5	10	10	3 (O, M) 7 (L)	0.5 [◇]	3	Not set	7	0.01
copper	Exempt	Not set	50	Not set	Exempt	30	Exempt	Exempt	Exempt	Not set	Not set	20
guazatine (Panocrine)	5	5 ^ψ	Not set	Not set	Not set	Codex	1	Not set	5 [Ⓞ]	Not set	0.5 (M)	5
imazalil (Fungaflor)	10	5	5	5	Not set	5	5	10	5	5	5	5
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
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
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
phosphorous acid	100	Not set	Not set	Not set	Not set	Not set	Exempt	Exempt	Not set	Not set	Not set	Not set

^λ APVMA MRL set at 1 mg/kg

[◇] MRL expires 30/6/2009

^ψ Codex Guideline level

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

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Sulfur	Not set	Not set	Not set	Not set	Exempt	Not set	Not set	Exempt	Exempt	Not set	Not set	50
thiabendazole (Tecto)	10	10 (5)	10	10	10	10	10	10	10	10	10	5
GROWTH REGULATORS												
2,4 – D (Stop Drop)	5	1	2	Not set	Not set	2	2	3	2	1	2 (O, L)	1
dichlorprop (Corasil)	T0.1 [*]	Not set	Not set	Not set	Not set	Not set	3	Not set	Not set	Not set	Not set	*0.05
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
gibberellic acid	Not set	Not set	Not set	Not set	Not set	Not set	0.2	Exempt	Not set	Not set	Not set	5
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	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
bromacil (Hyvar)	*0.04	Not set	Not set	Not set	Not set	0.04	0.05	0.1	0.5	Not set	0.1	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
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 [⊙]

^{*} APVMA MRL set at 0.2 mg/kg

[⊙] Commission Decision 2008/754/EC – withdrawal of dichlobenil from EU as of March 2010

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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
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
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)
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)
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)
haloxyfop (Verdict)	*0.05	*0.05	Not set	Not set	Codex	Codex	0.05	Not set	0.1	0.05	Not set	*0.05
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
norflurazon (Zoliar)	0.2	Not set	Not set	Not set	Not set	Not set	0.2	0.2	Not set	Not set	0.2	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
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
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
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
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
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

O Orange

L Lemon

M Mandarin



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