

CITRUS - Export MRLs update

February 2013

- 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. Where MRL 'Not Set' is indicated, residues should not be measurable unless a default MRL exists or if Codex MRLs are recognised (see Notes below)
- V. 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.
- VI. It is also strongly recommended that farmers maintain accurate and detailed records of all farm chemicals applied.

Notes:

1. AUSTRALIA, CODEX, China, USA and EU: In the absence of a set MRL, a zero tolerance applies.
 2. CANADA: MRLs as of June 2012. In the absence of a set MRL, a default MRL of 0.1 mg/kg applies.
 3. MALAYSIA: In the absence of a set domestic MRL, *Codex MRLs may apply*, in the absence of a Codex MRL a maximum residue limit of 0.01 mg/kg applies.
 4. SINGAPORE: In the absence of a nationally set MRL, default to the Codex level (MRLs as of 2006)
 5. TAIWAN: Pesticides not listed, except for those import tolerances developed, shall not be detected (MRLs as per 11th Jan 2013 – Food No. 1011303925)
 6. INDONESIA: As per Regulation No. 27/Permentan/PP.340/2009 -Food Safety Surveillance for Entry and Exit of Fresh Food of Plant Origin
 7. NEW ZEALAND: Compliance with Australian Food Standards Code recognised by NZ due to Trans-Tasman Mutual Recognition Arrangement for food imported from Australia.
 8. JAPAN: In the absence of a domestic MRL, the default level of 0.01 mg/kg applies.
 9. EU: MRLs as at January 2013.
 10. MRLs indicated for China based upon document GB 2763-2005 and WTO SPS Notification G/SPS/N/CHN/313 and CHN/600
 11. Thailand: In the absence of a national standard Codex MRLs *may* apply, based upon TAS 9002-2551 (2008)
 12. Korea: in the absence of a domestic MRL Codex MRLs 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, grapefruit, mandarins and lemons, for domestic and export markets

TABLE OF CONTENTS**INSECTICIDES**

ORGANOPHOSPHATES **3**

ORGANOCHLORINE **4**

SYNTHETIC PYRETHROIDS **4**

CARBAMATES **4**

OTHER INSECTICIDES / MITICIDES **5**

FUNGICIDES **6**

GROWTH REGULATORS **7**

HERBICIDES **8**

Disclaimer:

CAL gives no warranty and makes no representation that the information contained in this document is suitable for any purpose or is free from error. CAL accepts no responsibility for any person acting or relying upon the information contained in this document, and disclaims all liability. As it is impossible for CAL to know the individual circumstances of growers CAL would encourage people to make their own enquiries and take independent advice tailored to their specific situation, prior to making any decisions.

CITRUS MAXIMUM RESIDUE LIMITS

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

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													
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 (G,O, L) 1.0 (M)	0.2 (L) 0.3 (G,O) 2 (M)	Not set
diazinon [⊕] (Diazinon)	0.7	Not set	0.7	Not set	0.5	0.7	0.1 (M,O), 0.5 (L) 0.7 (G)	Not set	Not set	0.7	0.7 [#]	*0.01	Not set
dimethoate ^{⊕ a} (Saboteur)	5	5	1.5	2	2	2	2	2 (G,L, O, T*)	2	5	2 (M), 0.01 (G,O, L) #	*0.02	2
fenamiphos [⊕] (Nemacur)	*0.05	Not set	Not set	Not set	Not set	0.5 (O) 0.05 (G,M, L)	0.04 (M) 0.2 (G,O,L)	Not set	0.1	Not set	0.5 (G,O, L)	*0.02	Not set
fenthion [⊕] (Lebaycid)	2	2	Not set	0.05	2	2	2	Not set	0.5	2	Not set	*0.01	Not set
maldison [⊕] (Maldison)	4	7	Not set	2	4	4	4	8 (G,L, O,T)	2	Not set	Not set	*0.02	7
methidathion [⊕] (Supracide)	2 (G,O, L) 5 (M)	2 (G,O, L), 5 (M)	2	2	Not set	2 (G,O,L), 5 (M)	5	4.0 (G,O,L) b, 6.0 (T*)	1	2 (O)	5 (M), 2 (G,O, L)	*0.02	0.5

[⊕] Current APVMA Review

[#] SPS notification KOR 383 0.01 mg/kg proposed– January 2011

^a Subject to APVMA permit PER13158

^b MRLs time limited and will expire 31.12.2016

* MRLs established for tangerine (mandarin)

Disclaimer:

CAL gives no warranty and makes no representation that the information contained in this document is suitable for any purpose or is free from error. CAL accepts no responsibility for any person acting or relying upon the information contained in this document, and disclaims all liability. As it impossible for CAL to know the individual circumstances of growers CAL would encourage people to make their own enquiries and take independent advice tailored to their specific situation, prior to making any decisions.

CITRUS MAXIMUM RESIDUE LIMITS

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

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
omethoate [⊕] (Folimat)	2	Not set	Not set	Not set	Not set	Not set	1	Not set	1	Not set	0.01	*0.01	2
Organochlorine													
dicofol (Kelthane)	5	5	5	1	5	5	5	6	1	5	1	*0.02 ^c	5
Pyrethroids													
bifenthrin ^ψ (Talstar)	*0.05	*0.05	Not set	0.05 (G)	Not set	Not set	2	0.05	0.5	0.05 (O)	0.05	0.1	Not set
cyhalothrin (lambda/gamma)	*0.01	0.2	0.01 (G,L,M) 0.2 (O)	0.2	Not set	Not set	1	Not set	1	Not set	1 (G,O,L) 0.5 (M)	0.2	Not set
permethrin [∞] (Ambush)	Not set	0.5	Not set	2	0.5	0.5	5	Not set	2	0.5	0.5	*0.05	Not set
pyrethrins	1	0.05	1 (O)	Not set	0.05	1	1	1 (O)	Not set	0.05	1 [#]	1	Not set
Carbamates													
aldicarb (Temik)	0.05	0.2	Not set	Not set	Not set	0.2	0.3 (G,O,L) 0.2 (M) [▲]	0.3 (G,O, L)	Prohibited	0.2	0.02	*0.02	Not set
carbaryl [*] (Bugmaster)	3	15	10	Not set	Not set	7	7	10	2	7	Not set	*0.05	15
methiocarb (Mesurol)	0.1	Not set	Not set	Not set	Not set	0.05	0.05	Not set	*0.01	Not set	0.05 (G,O, L),	*0.1 (G,O), 0.2 (L, M)	Not set

[⊕] Current APVMA Review

^c SPS Notification G/SPS/N/EEC/407

^ψ Soil treatment only

[∞] Treatment of nursery plants only

[#] SPS notification KOR 383 MRL deletion proposed – January 2011

[▲] MRLs expire 27 th June 2013

^{*} APVMA Final Review decision - Reduced MRL and use in oranges and lemons only

Disclaimer:

CAL gives no warranty and makes no representation that the information contained in this document is suitable for any purpose or is free from error. CAL accepts no responsibility for any person acting or relying upon the information contained in this document, and disclaims all liability. As it impossible for CAL to know the individual circumstances of growers CAL would encourage people to make their own enquiries and take independent advice tailored to their specific situation, prior to making any decisions.

CITRUS MAXIMUM RESIDUE LIMITS

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

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
											0.5 (M)		
methomyl (Lannate)	1	1	1	1	Not set	2	10	2	1	1	0.05 [#]	*0.02	1
pirimicarb (Pirimor)	0.5	3	Not set	Not set	Not set	0.5 (O), 0.05 (G,L, M)	0.5 (O), 0.05 (G,L, M)	Not set	0.5 (O), *0.01 (G,L,M)	0.05	0.5 (O), 0.05 (G,L, M)	3	Not set
Other insecticides													
abamectin (Vertimec)	0.01	*0.01	0.02	0.01	Not set	Not set	0.01	0.02	0.01	0.01	0.02 (M)	*0.01	0.01
buprofezin (Applaud)	2	1	Not set	0.5	Not set	Not set	2	2.5	0.5	0.5 (O)	0.5 (M) 0.05 (G,O,L)	1	Not set
clofentezine [®] (Apollo)	Not set	0.5	Not set	0.5	0.5	Not set	0.5	Not set	2	0.5	2 (O) 0.5 (G,L,M)	0.5	Not set
etoxazole (Paramite)	0.2	0.1	Not set	Not set	Not set	Not set	0.7	Not set	0.2	Not set	0.5 (M)	0.1	Not set
fenbutatin oxide (Torque)	5	5	2	1	Not set	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	Not set	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	Not set	3	Not 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	0.5	Not set	0.6	Not set

[#] SPS notification KOR 383 proposed – January 2011

[®] PER10873 Bare rooted & nursery plants NSW only – Expires 30 September 2015

Disclaimer:

CAL gives no warranty and makes no representation that the information contained in this document is suitable for any purpose or is free from error. CAL accepts no responsibility for any person acting or relying upon the information contained in this document, and disclaims all liability. As it is impossible for CAL to know the individual circumstances of growers CAL would encourage people to make their own enquiries and take independent advice tailored to their specific situation, prior to making any decisions.

CITRUS MAXIMUM RESIDUE LIMITS

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

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
spinetoram (Success Neo)	0.2	0.07 (O)	0.3	Not set	Not set	Not set	0.3	0.3	0.2	Not set	0.5 (M) 0.05 (G,O,L)	0.2	Not set
spinosad (Success)	0.3	0.3	0.3	Not set	Not set	Not set	0.3	0.3	0.3	0.3	0.1 (M)	0.3	Not set
Spirotetramat (Movento)	1	0.5	0.6	Not set	Not set	Not set	1	0.6	Not set	Not set	Note set	1	Not set
tebufenozide (Mimic)	1	2	Not set	Not set	Not set	Not set	2	0.8	1.5	2	1 (M) 0.05 (G,O,L)	2	Not set
thiamethoxam (Actara)	1	0.5	0.4	Not set	Not set	Not set	1	0.4	0.4 (G,O) 0.5 (L) ^φ	Not set	1 (M)	0.5 (O) 0.2 (G,M,L)	Not set
FUNGICIDES													
2-Phenylphenol (Brycote)	10	10	10	Not set	10	Not set	10	10	Not set	10	10 [#]	5 ^λ	Not set
azoxystrobin (PER13540)	T2	15	10 (G,L,O)	1 (M) ^Π	Not set	Not set	2	15	10	Not set	1 (M), 10 (L) 5 (O) 7 (G)	15	Not set
copper	10	Not set	50	Not set	Exempt	30	Exempt	Exempt	Exempt	Not set	Not set	20	Not set
fludioxonil (Scholar)	10	10	10	Not set	Not set	Not set	10	10	5 (G,O), 7 (L)	Not set	1 (M) 5 (O,L) 10 (G)	10 (G) 7 (L,M,O)	Not set

^φ WTO Notification G/SPS/N/TPKM/254 March 2012 - Proposed MRL of 1 mg/kg for Citrus fruit

[#] SPS notification KOR 383 MRL deletion proposed – January 2011

^λ Valid till 30/9/2014 Reg (EU) No. 34/2013

^Π SPS notification G/SPS/N/CHN/522 proposed MRL– January 2012

Disclaimer:

CAL gives no warranty and makes no representation that the information contained in this document is suitable for any purpose or is free from error. CAL accepts no responsibility for any person acting or relying upon the information contained in this document, and disclaims all liability. As it impossible for CAL to know the individual circumstances of growers CAL would encourage people to make their own enquiries and take independent advice tailored to their specific situation, prior to making any decisions.

CITRUS MAXIMUM RESIDUE LIMITS

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

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
guazatine (Panocline)	5	5 ^ψ	Not set	3 ^d	Not set	Not set	1 ^o	Not set	Not set	Not set	0.5 (M) 0.05 (G,O,L) ^o	5	Not set
imazalil (Fungaflor)	10	5	5	5	Not set	5	5	10	5	5	5 [#]	5	Not set
Iprodione (PER13541) ^θ	T5	Not set	Not set	Not set	10	Not set	10	Not set	*0.05	Not set	Not set	5 (L), 1 (M), *0.02 (G,O)	Not set
mancozeb (Dithane)	0.2	10 (M) 2 (O)	Not set	Not set	10	Not set	10 (M) 2 (G,O,L)	Not set	2	2 (O)	5 (M)	5	2
propineb (Antracol)	0.2	10 (M) 2 (O)	Not set	Not set	10	Not set	10 (M) 2 (G,O,L)	Not set	2	2 (O)	2 (M)	5	2
zineb	0.2	10 (M) 2 (O)	Not set	Not set	10	Not set	10 (M) 2 (G,O,L)	Not set	prohibited	2 (O)	5 (M)	0.01	2
phosphorous acid	100	Not set	Not set	Not set	Not set	Not set	Exempt	Exempt	Not set	Not set	Not set	Not set ^e	Not set
Pyrimethanil (Philabuster)	7	7	10	Not set	Not set	Not set	15	10 (G,O,M) 11 (L)	7	Not set	1 (M) 0.05 (G,O,L)	10	Not set
Sulfur	Exempt	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	Not set	10	10	10	10	10	10	5	Not set

^ψ Codex Guideline level

^d Proposed as per WTO notice G/SPS/N/CHN/600

^o SPS notification CHN 600 proposed MRL is for the related compound iminoctadine – January 2013

[#] SPS notification KOR 383 MRL deletion proposed – January 2011

^θ Permit Mandarins (susceptible varieties) and Tangelos - expiry 30/9/2013

^e EU MRL for fosetyl-Al set at 75 mg/kg. Residue definition - [Fosetyl-Al \(sum fosetyl + phosphorous acid and their salts, expressed as fosetyl\)](#)

Disclaimer:

CAL gives no warranty and makes no representation that the information contained in this document is suitable for any purpose or is free from error. CAL accepts no responsibility for any person acting or relying upon the information contained in this document, and disclaims all liability. As it impossible for CAL to know the individual circumstances of growers CAL would encourage people to make their own enquiries and take independent advice tailored to their specific situation, prior to making any decisions.

CITRUS MAXIMUM RESIDUE LIMITS

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

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
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 (G,L,M) 0.2 (O)	Not set
ethephon (Ethrel)	2 (O, M)	Not set	1	Not set	Not set	Not set	2	Not set	Not set	Not set	2 (L), 0.5 (M) [#]	*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	5	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 (O,M) 0.07 (G,L)	0.1	0.5	Not set	0.1 [#]	Not set	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
dichlobenil (Casoran G)	0.1	Not set	Not set	Not set	Not set	Not set	0.2	Not set	Not set	Not set	0.05 [#]	*0.01 [⊕]	Not set
diquat (Reglone)	*0.05	Not set	Not set	Not set	Not set	Not set	0.03 (O,M) 0.04 (G,L)	0.05	Not set	Not set	0.05 [#]	*0.05	Not set

[#] SPS notification KOR 383 MRL deletion proposed – January 2011

[#] SPS notification KOR 383 proposed MRL deletion – January 2011

[⊕] Commission Decision 2011/234/EU – non-inclusion of dichlobenil in Annex I

Disclaimer:

CAL gives no warranty and makes no representation that the information contained in this document is suitable for any purpose or is free from error. CAL accepts no responsibility for any person acting or relying upon the information contained in this document, and disclaims all liability. As it is impossible for CAL to know the individual circumstances of growers CAL would encourage people to make their own enquiries and take independent advice tailored to their specific situation, prior to making any decisions.

CITRUS MAXIMUM RESIDUE LIMITS

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

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
diuron ^f	0.5	Not set	1	Not set	0.5	Not set	0.05 (O,M) 0.8 (G,L)	0.05 (G,.)M 0.5 (L)	0.2 (O,L,M) 0.05 (G)	Not set	1 [#]	0.1	Not set
fluazifop-butyl (Fusilade)	*0.02	Not set	Not set	Not set	Not set	Not set	0.1	0.03	Not set	Not set	Not set	0.1 (O) 0.2(G,L, M)	Not set
glufosinate (Basta)	0.1	0.1	Not set	0.1 ^g	0.1	Not set	0.2	Not set	0.1	0.1	0.1 (M)	*0.1 (G,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 (M)	0.5 (O,M) *0.1(G,L)	Not set
haloxyfop (Verdict)	*0.05	*0.05	Not set	Not set	*0.05	Not set	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	0.2	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	0.02	0.05	0.05	0.05	0.2	0.02	Not set	*0.02	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	Not set
simazine (Gesatop)	*0.1	Not set	Not set	Not set	Not set	Not set	0.1 (M) 0.2 (G,O, L)	0.25 (G,O, L)	Not set	Not set	0.25 (G,L,O) [#]	0.01	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

^f Subject to APVMA review decision to phase-out, Use as per APVMA permit PER13874^g Proposed as per WTO notice G/SPS/N/CHN/600[#] SPS notification KOR 383 MRL deletion proposed – January 2011**Disclaimer:**

CAL gives no warranty and makes no representation that the information contained in this document is suitable for any purpose or is free from error. CAL accepts no responsibility for any person acting or relying upon the information contained in this document, and disclaims all liability. As it impossible for CAL to know the individual circumstances of growers CAL would encourage people to make their own enquiries and take independent advice tailored to their specific situation, prior to making any decisions.