Australian Government
Department of Agriculture

Citrus Annual Report 2013 - 2014

Table 1 Fungicides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
2-phenylphenol	Whole	0.05	10	404	0	0
azoxystrobin	Whole	0.01	3	404	0	0
benalaxyl	Whole	0.01	Not Set	26	0	0
benomyl	Whole	0.01	Not Set	25	0	0
bitertanol	Whole	0.01	Not Set	26	0	0
boscalid	Whole	0.01	0.5	404	0	0
buprimate	Whole	0.01	Not Set	26	0	0
captafol	Whole	0.05	Not Set	26	0	0
captan	Whole	0.05	Not Set	26	0	0
carbendazim	Whole	0.01	Not Set	26	0	0
chlorothalonil	Whole	0.01	Not Set	26	0	0
cyproconazole	Whole	0.01	Not Set	26	0	0
cyprodinil	Whole	0.01	Not Set	26	0	0
difenoconazole	Whole	0.01	Not Set	404	0	0
dimethomorph (sum of E and Z isomers)	Whole	0.01	Not Set	26	0	0
dithianon	Whole	0.01	Not Set	26	0	0
dodine	Whole	0.01	Not Set	26	0	0
epoxiconazole	Whole	0.01	Not Set	404	0	0
etridiazole	Whole	0.01	Not Set	26	0	0
fenarimol	Whole	0.01	Not Set	26	0	0
fenhexamid	Whole	0.01	Not Set	26	0	0
fluazinam	Whole	0.01	Not Set	26	0	0
fludioxonil	Whole	0.01	10	404	0	0
fluquinconazole	Whole	0.01	Not Set	26	0	0
flusilazole	Whole	0.01	Not Set	26	0	0
flutriafol	Whole	0.01	Not Set	26	0	0
hexaconazole	Whole	0.01	Not Set	26	0	0
imazalil	Whole	0.01	10	404	6	0
iprodione	Whole	0.05	Not Set	404	0	0
kresoxim-methyl	Whole	0.01	Not Set	26	0	0
metalaxyl	Whole	0.01	Not Set	26	0	0
myclobutanil	Whole	0.01	Not Set	26	0	0
oxadixyl	Whole	0.01	Not Set	26	0	0
paclobutrazol	Whole	0.01	Not Set	26	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
penconazole	Whole	0.01	Not Set	404	0	0
prochloraz	Whole	0.01	Not Set	404	0	0
procymidone	Whole	0.01	Not Set	26	0	0
propiconazole	Whole	0.01	Not Set	26	0	0
prothioconazole	Whole	0.05	Not Set	26	0	0
pyraclostrobin	Whole	0.01	Not Set	26	0	0
pyrimethanil	Whole	0.01	7	404	0	0
tebuconazole	Whole	0.01	Not Set	404	0	0
thiabendazole	Whole	0.01	10	404	18	0
tolclofos methyl	Whole	0.01	Not Set	26	0	0
triadimefon	Whole	0.01	Not Set	26	0	0
triadimenol	Whole	0.01	Not Set	26	0	0
trifloxystrobin	Whole	0.01	Not Set	404	0	0
triticonazole	Whole	0.01	Not Set	26	0	0
vinclozolin	Whole	0.01	Not Set	26	0	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
2,2-DPA (2,2-dichloropropionic acid)	Whole	0.05	0.1	404	0	0
2,4-D	Whole	0.01	5	404	0	0
atrazine	Whole	0.01	Not Set	26	0	0
bromacil	Whole	0.01	0.04	404	1	0
bromoxynil	Whole	0.01	Not Set	26	0	0
carfentrazone-ethyl	Whole	0.01	0.05	404	0	0
chlorsulfuron	Whole	0.01	Not Set	26	0	0
chlorthal-dimethyl	Whole	0.01	Not Set	26	0	0
clethodim (parent only)	Whole	0.01	Not Set	26	0	0
clodinafop-propargyl	Whole	0.01	Not Set	26	0	0
clopyralid	Whole	0.05	Not Set	26	0	0
cyanazine	Whole	0.01	Not Set	26	0	0
dicamba	Whole	0.01	Not Set	26	0	0
dichlobenil	Whole	0.01	0.1	404	0	0
dichlorprop-P	Whole	0.01	0.2	404	0	0
diflufenican	Whole	0.01	Not Set	26	0	0
diuron	Whole	0.01	0.5	404	0	0
ethofumesate	Whole	0.01	Not Set	26	0	0
iodosulfuron-methyl	Whole	0.01	Not Set	26	0	0
ioxynil	Whole	0.01	Not Set	26	0	0
isoxaben	Whole	0.01	0.01	404	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
linuron	Whole	0.05	Not Set	26	0	0
MCPA	Whole	0.01	Not Set	26	0	0
methabenthiazuron	Whole	0.01	Not Set	26	0	0
metolachlor	Whole	0.01	Not Set	26	0	0
metosulam	Whole	0.01	Not Set	26	0	0
metribuzin	Whole	0.01	Not Set	26	0	0
metsulfuron-methyl	Whole	0.01	Not Set	26	0	0
napropamide	Whole	0.01	Not Set	26	0	0
norflurazon	Whole	0.01	0.2	404	0	0
oryzalin	Whole	0.01	0.1	404	0	0
oxyfluorfen	Whole	0.01	Not Set	404	0	0
pendimethalin	Whole	0.01	0.05	404	0	0
picloram	Whole	0.01	Not Set	26	0	0
propachlor	Whole	0.01	Not Set	26	0	0
quizalofop-ethyl	Whole	0.01	Not Set	26	0	0
quizalofop-P-tefuryl	Whole	0.01	Not Set	26	0	0
sethoxydim	Whole	0.01	Not Set	26	0	0
simazine	Whole	0.01	0.1	404	1	0
tralkoxydim	Whole	0.01	Not Set	26	0	0
triasulfuron	Whole	0.01	Not Set	26	0	0
triclopyr	Whole	0.01	Not Set	26	0	0
trifluralin	Whole	0.01	0.05	404	0	0

Table 3 Insecticides - Acaracides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
bifenazate	Whole	0.01	Not Set	404	0	0
clofentezine	Whole	0.01	Not Set	404	0	0
disulfoton	Whole	0.01	Not Set	26	0	0
etoxazole	Whole	0.01	0.2	26	0	0
fenpyroximate	Whole	0.01	Not Set	26	0	0
hexythiazox	Whole	0.01	Not Set	26	0	0
propargite	Whole	0.01	Not Set	26	0	0
pyridaben	Whole	0.02	Not Set	26	0	0
tebufenpyrad	Whole	0.01	Not Set	26	0	0
tetradifon	Whole	0.01	Not Set	26	0	0
triazofos	Whole	0.01	Not Set	26	0	0

Table 4 Insecticides - Benzoyl Urea

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
diflubenzuron	Whole	0.01	Not Set	26	0	0
triflumuron	Whole	0.01	Not Set	26	0	0

Table 5 Insecticides - Carbamate

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
aldicarb	Whole	0.01	0.05	404	0	0
carbaryl	Whole	0.01	7	404	0	0
carbofuran	Whole	0.01	Not Set	26	0	0
chlorpropham	Whole	0.05	Not Set	26	0	0
methiocarb	Whole	0.01	0.1	404	0	0
methomyl	Whole	0.01	1	404	0	0
pirimicarb	Whole	0.01	0.5	404	0	0
thiodicarb	Whole	0.01	Not Set	404	0	0

Table 6 Insecticides - Insect growth regulator

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
fenoxycarb	Whole	0.01	Not Set	26	0	0
methoprene	Whole	0.01	Not Set	26	0	0
pymetrozine	Whole	0.01	Not Set	26	0	0
pyriproxyfen	Whole	0.01	0.3	404	0	0

Table 7 Insecticides - Organophosphates

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
acephate	Whole	0.05	Not Set	26	0	0
azamethiphos	Whole	0.01	Not Set	26	0	0
azinphos-methyl	Whole	0.01	Not Set	404	0	0
cadusafos	Whole	0.01	0.01	404	0	0
chlorfenvinphos (sum E and Z isomers)	Whole	0.01	Not Set	26	0	0
chlorpyrifos	Whole	0.01	0.5	404	0	0
chlorpyrifos-methyl	Whole	0.01	Not Set	26	0	0
diazinon	Whole	0.01	0.7	404	0	0
dichlorvos	Whole	0.01	Not Set	26	0	0
dimethoate	Whole	0.01	5	404	0	0
ethion	Whole	0.01	Not Set	26	0	0
ethoprophos	Whole	0.005	Not Set	26	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
fenamiphos	Whole	0.01	0.05	404	0	0
fenitrothion	Whole	0.01	Not Set	26	0	0
fenthion	Whole	0.01	0.7	404	0	0
malathion (maldison)	Whole	0.01	4	404	0	0
methacrifos	Whole	0.01	Not Set	26	0	0
methamidophos	Whole	0.01	Not Set	26	0	0
methidathion	Whole	0.01	2	404	0	0
mevinphos	Whole	0.01	Not Set	26	0	0
monocrotophos	Whole	0.01	Not Set	26	0	0
omethoate	Whole	0.01	2	404	0	0
parathion	Whole	0.01	Not Set	26	0	0
parathion-methyl	Whole	0.01	Not Set	404	0	0
phorate	Whole	0.01	Not Set	26	0	0
phosmet	Whole	0.01	Not Set	26	0	0
pirimiphos-methyl	Whole	0.01	Not Set	26	0	0
profenofos	Whole	0.01	Not Set	404	0	0
prothiofos	Whole	0.01	Not Set	26	0	0
terbufos	Whole	0.01	Not Set	26	0	0
trichlorfon	Whole	0.01	Not Set	26	0	0

Table 8 Insecticides - Pyrethroid

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
bifenthrin	Whole	0.01	0.05	404	0	0
bioresmethrin	Whole	0.01	Not Set	26	0	0
cyfluthrin (sum of isomers)	Whole	0.01	Not Set	404	0	0
cyhalothrin (sum of isomers)	Whole	0.01	0.01	404	0	0
cypermethrin (sum of isomers)	Whole	0.01	0.01	404	0	0
deltamethrin	Whole	0.01	Not Set	26	0	0
esfenvalerate	Whole	0.01	Not Set	26	0	0
fenvalerate (sum of isomers)	Whole	0.01	Not Set	26	0	0
permethrin (sum of isomers)	Whole	0.01	Not Set	404	0	0
phenothrin (sum of isomers)	Whole	0.01	Not Set	404	0	0
pyrethrins	Whole	0.05	1	404	0	0
tau-fluvalinate	Whole	0.01	Not Set	26	0	0

Table 9 Insecticides - Other

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
abamectin	Whole	0.01	0.01	404	0	0
acetamiprid-P	Whole	0.01	Not Set	26	0	0
amitraz	Whole	0.01	Not Set	26	0	0
buprofezin	Whole	0.01	2	404	0	0
chlorantraniliprole	Whole	0.01	Not Set	26	0	0
chlorfenapyr	Whole	0.01	Not Set	26	0	0
clothianidin	Whole	0.01	Not Set	26	0	0
emamectin	Whole	0.01	Not Set	26	0	0
fenbutatin oxide	Whole	0.01	5	404	0	0
fipronil	Whole	0.01	0.01	404	0	0
imidacloprid	Whole	0.01	2	404	0	0
indoxacarb	Whole	0.01	Not Set	404	0	0
metaldehyde	Whole	0.05	1	404	0	0
methoxyfenozide	Whole	0.01	1	404	0	0
piperonyl butoxide	Whole	0.01	Not Set	26	0	0
spinetoram	Whole	0.01	0.2	404	0	0
spinosad	Whole	0.01	0.3	404	0	0
spirotetramat	Whole	0.01	1	404	0	0
tebufenozide	Whole	0.01	1	404	0	0
thiacloprid	Whole	0.01	Not Set	26	0	0
thiamethoxam	Whole	0.01	1	404	0	0

Table 10 Physiological Modifier - Scald Inhibitor

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
diphenylamine	Whole	0.01	Not Set	26	0	0

Table 11 Contaminant - Organochlorine

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
aldrin and dieldrin (HHDN+HEOD)	Whole	0.01	0.05	404	0	0
chlordane	Whole	0.01	0.02	404	0	0
DDT	Whole	0.01	1	404	0	0
endrin	Whole	0.01	Not Set	404	0	0
HCH (or BHC)	Whole	0.01	Not Set	26	0	0
heptachlor	Whole	0.01	0.01	404	0	0
lindane (gamma-HCH)	Whole	0.01	0.5	404	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
mirex	Whole	0.01	Not Set	26	0	0
HCB (hexachlorobenzene)	Whole	0.01	Not Set	26	0	0
dicofol	Whole	0.01	5	404	0	0
endosulfan	Whole	0.01	Not Set	404	0	0
methoxychlor	Whole	0.01	Not Set	26	0	0

LOR = Limit of reporting
Aust. Std = Australian Standard
Not set - No Australian Standard has been set for the chemical in the edible matrix and any detection is a contravention of the Australia New Zealand Food Standards Code.
No Limit - No Australian Standard applicable for the contaminant. The 'as low as reasonably achievable' principle applies. Detections at low levels are allowable.