



Chickpea 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
azoxystrobin	Whole	0.01	0.5	166	0	0
captafol	Whole	0.01	Not Set	166	0	0
captan	Whole	0.01	0.1	166	0	0
carbendazim	Whole	0.01	0.5	166	0	0
chlorothalonil	Whole	0.01	3	166	0	0
cyproconazole	Whole	0.01	0.01	166	0	0
difenoconazole	Whole	0.01	Not Set	166	0	0
epoxiconazole	Whole	0.01	Not Set	166	0	0
etridiazole	Whole	0.01	0.2	166	0	0
fluquinconazole	Whole	0.01	Not Set	166	0	0
flutriafol	Whole	0.01	Not Set	166	0	0
fluxapyroxad	Whole	0.01	Not Set	166	0	0
hexaconazole	Whole	0.01	Not Set	166	0	0
imazaquin	Whole	0.01	Not Set	77	0	0
ipconazole	Whole	0.01	Not Set	77	0	0
iprodione	Whole	0.01	Not Set	166	0	0
penconazole	Whole	0.01	Not Set	166	0	0
procymidone	Whole	0.01	0.5	166	0	0
propiconazole	Whole	0.01	Not Set	166	0	0
prothioconazole	Whole	0.01	0.7	166	0	0
pyraclostrobin	Whole	0.01	Not Set	166	0	0
tebuconazole	Whole	0.01	0.2	166	0	0
thiabendazole	Whole	0.01	Not Set	166	0	0
triadimefon	Whole	0.01	Not Set	166	0	0
triadimenol	Whole	0.01	Not Set	166	0	0
triticonazole	Whole	0.01	Not Set	166	0	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
2,4-D	Whole	0.01	0.05	166	0	0
amitrole	Whole	0.01	0.01	34	0	0
atrazine	Whole	0.01	Not Set	166	0	0
bromoxynil	Whole	0.01	Not Set	166	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
carfentrazone-ethyl	Whole	0.01	Not Set	166	0	0
chlorsulfuron	Whole	0.01	Not Set	166	0	0
clethodim (parent only)	Whole	0.01	0.1	166	0	0
clodinafop-propargyl	Whole	0.01	Not Set	166	0	0
clopyralid	Whole	0.01	Not Set	166	0	0
dicamba	Whole	0.01	Not Set	166	0	0
diclofop-methyl	Whole	0.01	Not Set	34	0	0
diflufenican	Whole	0.01	0.05	166	0	0
diquat	Whole	0.01	1	34	0	0
diuron	Whole	0.01	0.05	166	0	0
fenoxaprop-ethyl	Whole	0.01	0.01	34	0	0
flamprop-M-methyl	Whole	0.01	Not Set	34	0	0
fluazifop-p-butyl	Whole	0.01	0.5	34	0	0
glufosinate	Whole	0.01	Not Set	34	0	0
glyphosate	Whole	0.01	5	34	0	0
haloxyfop	Whole	0.01	0.1	34	0	0
imazamox	Whole	0.01	Not Set	77	0	0
imazapic	Whole	0.01	Not Set	77	0	0
imazapyr	Whole	0.01	Not Set	77	0	0
imazethapyr	Whole	0.01	0.1	77	0	0
iodosulfuron-methyl	Whole	0.01	Not Set	166	0	0
MCPA	Whole	0.01	Not Set	166	0	0
metolachlor	Whole	0.01	0.05	166	0	0
metosulam	Whole	0.01	Not Set	166	0	0
metsulfuron-methyl	Whole	0.01	0.05	166	0	0
paraquat	Whole	0.01	1	34	0	0
pendimethalin	Whole	0.01	0.05	166	0	0
picloram	Whole	0.01	Not Set	166	0	0
sethoxydim	Whole	0.01	0.1	166	0	0
simazine	Whole	0.01	0.05	166	0	0
tralkoxydim	Whole	0.01	Not Set	166	0	0
triasulfuron	Whole	0.01	Not Set	166	0	0
triclopyr	Whole	0.01	Not Set	166	0	0
trifluralin	Whole	0.01	0.05	166	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
diafenthiuron	Whole	0.01	Not Set	77	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	166	0	0
triflumuron	Whole	0.01	Not Set	166	0	0

Table 5 Insecticides - Carbamates

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
carbaryl	Whole	0.01	5	166	0	0
methomyl	Whole	0.01	1	166	0	0
pirimicarb	Whole	0.01	1	166	0	0
thiodicarb	Whole	0.01	0.1	166	0	0

Table 6 Insecticides - Fumigants

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
phosphine total	Whole	0.005	0.01	5	0	0

Table 7 Insecticides - Insect growth regulator

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
methoprene	Whole	0.01	Not Set	166	0	0
pyriproxyfen	Whole	0.01	Not Set	166	0	0

Table 8 Insecticides - Organophosphates

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
azamethiphos	Whole	0.01	Not Set	166	0	0
chlorfenvinphos (sum E and Z isomers)	Whole	0.01	Not Set	166	0	0
chlorpyrifos	Whole	0.01	0.1	166	0	0
chlorpyrifos-methyl	Whole	0.01	Not Set	166	0	0
diazinon	Whole	0.01	0.7	166	0	0
dichlorvos	Whole	0.01	0.5	166	0	0
dimethoate	Whole	0.01	0.5	166	0	0
ethion	Whole	0.01	Not Set	77	0	0
ethoprophos	Whole	0.005	Not Set	166	0	0
fenitrothion	Whole	0.01	0.1	166	0	1
malathion (maldison)	Whole	0.01	2	166	0	0
methacrifos	Whole	0.01	Not Set	166	0	0
methidathion	Whole	0.01	0.1	166	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
omethoate	Whole	0.01	2	166	0	0
phosmet	Whole	0.01	Not Set	166	0	0
pirimiphos-methyl	Whole	0.01	Not Set	166	0	0
profenofos	Whole	0.01	Not Set	166	0	0
terbufos	Whole	0.01	Not Set	166	0	0
trichlorfon	Whole	0.01	0.2	166	0	0

Table 9 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	0.02	166	0	0
bioresmethrin	Whole	0.01	Not Set	166	0	0
cyfluthrin (sum of isomers)	Whole	0.01	0.5	166	0	0
cyhalothrin (sum of isomers)	Whole	0.01	0.2	166	0	0
cypermethrin (sum of isomers)	Whole	0.01	0.2	166	0	0
deltamethrin	Whole	0.01	0.1	166	0	0
esfenvalerate	Whole	0.01	Not Set	83	0	0
fenvalerate (sum of isomers)	Whole	0.01	0.5	166	0	0
permethrin (sum of isomers)	Whole	0.01	Not Set	166	0	1
phenothrin (sum of isomers)	Whole	0.01	Not Set	166	0	0

Table 10 Insecticides - Other

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
acetamiprid-P	Whole	0.01	Not Set	166	0	0
amitraz	Whole	0.01	Not Set	166	0	0
chlorfenapyr	Whole	0.01	Not Set	77	0	0
emamectin	Whole	0.002	0.01	166	0	0
fipronil	Whole	0.005	Not Set	166	0	0
imidacloprid	Whole	0.01	Not Set	166	0	0
indoxacarb	Whole	0.01	0.2	166	0	0
piperonyl butoxide	Whole	0.01	8	166	0	0
spinosad	Whole	0.01	0.01	166	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	Not Set	166	0	0
chlordane	Whole	0.01	0.02	166	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
DDT	Whole	0.01	1	166	0	0
dicofol	Whole	0.01	Not Set	77	0	0
endosulfan	Whole	0.01	Not Set	166	0	0
endrin	Whole	0.01	Not Set	166	0	0
HCB (hexachlorobenzene)	Whole	0.01	Not Set	166	0	0
HCH (or BHC)	Whole	0.01	Not Set	166	0	0
heptachlor	Whole	0.01	0.05	166	0	0
lindane (gamma-HCH)	Whole	0.01	2	166	0	0
methoxychlor	Whole	0.01	Not Set	166	0	0
mirex	Whole	0.01	Not Set	166	0	0

Table 12 Contaminant - Heavy Metals

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> ½ MRL to ≤ MRL	Above MRL
cadmium	Whole	0.01	No Limit	5	0	n/a
lead	Whole	0.01	0.2	5	0	0
mercury	Whole	0.01	No Limit	5	0	n/a

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.

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