



Chickpea residue testing annual datasets 2014–15

National Residue Survey, Department of Agriculture and Water Resources

Dataset abbreviations

LOR Limit of reporting.

MRL Maximum Residue Limit.

no limit No Australian Standard applicable for the contaminant. The ‘as low as reasonably achievable’ principle applies. Detections at low levels are allowable.

not defined Standards are not defined in inedible matrixes (urine and faeces).

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.

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Table 1 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azoxystrobin	whole	0.01	0.5	217	0	0
benalaxyl	whole	0.01	not set	212	0	0
benomyl	whole	0.01	0.5	3	0	0
bitertanol	whole	0.01	not set	212	0	0
boscalid	whole	0.01	0.5	212	0	0
bupirimate	whole	0.01	not set	212	0	0
captafol	whole	0.02	not set	217	0	0
captan	whole	0.02	0.1	217	0	0
carbendazim	whole	0.01	0.5	217	0	0
chlorothalonil	whole	0.01	3	217	0	0
cyproconazole	whole	0.01	0.01	217	0	0
cyprodinil	whole	0.01	not set	212	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	not set	217	0	0
dimethomorph	whole	0.01	1	212	0	0
dithianon	whole	0.01	not set	212	0	0
dodine	whole	0.01	not set	212	0	0
epoxiconazole	whole	0.01	not set	217	0	0
etridiazole	whole	0.01	0.2	217	0	0
fenarimol	whole	0.01	not set	212	0	0
fenhexamid	whole	0.01	not set	212	0	0
fluazinam	whole	0.01	not set	212	0	0
fludioxonil	whole	0.01	not set	212	0	0
fluquinconazole	whole	0.01	not set	217	0	0
flusilazole	whole	0.01	not set	212	0	0
flutriafol	whole	0.01	not set	217	0	1
fluxapyroxad	whole	0.01	0.1	217	0	0
hexaconazole	whole	0.01	not set	217	0	0
imazalil	whole	0.01	not set	212	0	0
ipconazole	whole	0.01	not set	217	0	0
iprodione	whole	0.01	not set	217	0	0
kresoxim-methyl	whole	0.01	not set	212	0	0
metalaxyl	whole	0.01	not set	212	0	0
myclobutanil	whole	0.01	not set	212	0	0
oxadixyl	whole	0.01	not set	212	0	0
penconazole	whole	0.01	not set	217	0	0
prochloraz	whole	0.01	not set	212	0	0
procymidone	whole	0.01	0.5	217	0	0
propiconazole	whole	0.01	not set	217	0	0
prothioconazole	whole	0.01	0.1	217	0	0
pyraclostrobin	whole	0.01	not set	217	0	0
pyrimethanil	whole	0.01	not set	212	0	0
spiroxamine	whole	0.01	not set	212	0	0
tebuconazole	whole	0.01	0.2	217	0	0
thiabendazole	whole	0.01	not set	217	0	0
tolclofos methyl	whole	0.01	not set	212	0	0
triadimefon	whole	0.01	not set	217	0	0
triadimenol	whole	0.01	not set	217	0	0
trifloxystrobin	whole	0.01	not set	212	0	0
triticonazole	whole	0.01	not set	217	0	0
vinclozolin	whole	0.01	not set	212	0	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2,2-DPA (2,2-dichloropropionic acid)	whole	0.01	not set	212	0	0
2,4-D	whole	0.01	0.05	217	0	0
amitrole	whole	0.01	0.01	41	0	0
atrazine	whole	0.01	not set	217	0	0
bromacil	whole	0.01	not set	212	0	0
bromoxynil	whole	0.01	not set	217	0	0
carfentrazone-ethyl	whole	0.01	not set	217	0	0
chlorpropham	whole	0.01	not set	212	0	0
chlorsulfuron	whole	0.01	not set	217	0	0
chlorthal-dimethyl	whole	0.01	not set	212	0	0
clethodim	whole	0.01	0.1	217	0	0
clodinafop-propargyl	whole	0.01	not set	217	0	0
clopyralid	whole	0.01	not set	217	0	0
cyanazine	whole	0.01	0.01	212	0	0
dicamba	whole	0.01	not set	217	0	0
dichlobenil	whole	0.01	not set	212	0	0
dichlorprop-P	whole	0.01	not set	212	0	0
diclofop-methyl	whole	0.01	not set	41	0	0
diflufenican	whole	0.01	0.05	217	0	0
diquat	whole	0.01	1	41	0	0
diuron	whole	0.01	0.05	217	0	0
ethofumesate	whole	0.01	not set	212	0	0
fenoxaprop-ethyl	whole	0.01	0.01	41	0	0
flamprop-M-methyl	whole	0.01	not set	41	0	0
fluazifop-p-butyl	whole	0.01	0.5	41	0	0
flumetsulam	whole	0.01	0.05	7	0	0
glufosinate	whole	0.01	not set	41	0	0
glyphosate	whole	0.01	5	41	0	0
haloxyfop	whole	0.01	0.1	41	3	2
imazamox	whole	0.01	not set	217	0	0
imazapic	whole	0.01	not set	217	0	0
imazapyr	whole	0.01	not set	217	0	0
imazaquin	whole	0.01	not set	217	0	0
imazethapyr	whole	0.01	0.1	217	0	0
iodosulfuron-methyl	whole	0.01	not set	217	0	0
ioxynil	whole	0.01	not set	212	0	0
isoxaben	whole	0.01	not set	212	0	0
linuron	whole	0.01	not set	212	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	217	0	0
methabenthiazuron	whole	0.01	not set	212	0	0
metolachlor	whole	0.01	0.01	217	0	0
metosulam	whole	0.01	not set	217	0	0
metribuzin	whole	0.01	0.01	212	0	0
metsulfuron-methyl	whole	0.01	0.05	217	0	0
napropamide	whole	0.01	not set	212	0	0
norflurazon	whole	0.01	not set	212	0	0
oryzalin	whole	0.01	not set	212	0	0
oxyfluorfen	whole	0.01	not set	212	0	0
paraquat	whole	0.01	1	41	0	0
pendimethalin	whole	0.01	0.05	217	0	0
picloram	whole	0.01	not set	217	0	0
propachlor	whole	0.01	not set	212	0	0
quizalofop-ethyl	whole	0.01	0.2	40	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	40	0	0
sethoxydim	whole	0.01	0.1	217	0	0
simazine	whole	0.01	0.05	217	0	0
tralkoxydim	whole	0.01	not set	217	0	0
triasulfuron	whole	0.01	not set	217	0	0
triclopyr	whole	0.01	not set	217	0	0
trifluralin	whole	0.01	0.05	217	0	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
abamectin	whole	0.01	not set	212	0	0
acephate	whole	0.01	not set	212	0	0
acetamiprid	whole	0.01	not set	217	0	0
aldicarb	whole	0.01	not set	212	0	0
amitraz	whole	0.01	not set	217	0	0
azamethiphos	whole	0.01	not set	217	0	0
azinphos-methyl	whole	0.01	not set	212	0	0
bifenazate	whole	0.01	0.5	212	0	0
bifenthrin	whole	0.01	0.02	217	0	0
bioresmethrin	whole	0.01	not set	217	0	0
buprofezin	whole	0.01	not set	212	0	0
cadusafos	whole	0.01	not set	212	0	0
carbaryl	whole	0.01	0.1	217	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
carbofuran	whole	0.01	not set	212	0	0
chlorantraniliprole	whole	0.01	0.07	212	0	0
chlorfenapyr	whole	0.01	not set	217	0	0
chlorfenvinphos	whole	0.01	not set	217	0	0
chlorpyrifos	whole	0.01	0.1	217	0	0
chlorpyrifos-methyl	whole	0.01	not set	217	0	0
clofentezine	whole	0.01	not set	212	0	0
clothianidin	whole	0.01	not set	212	0	0
cyfluthrin	whole	0.01	0.5	217	0	0
cyhalothrin	whole	0.01	0.2	217	0	0
cypermethrin	whole	0.01	0.2	217	0	0
deltamethrin	whole	0.01	0.1	217	0	0
diafenthuron	whole	0.01	not set	217	0	0
diazinon	whole	0.01	0.7	217	0	0
dichlorvos	whole	0.01	0.5	217	0	0
dicofol	whole	0.01	not set	217	0	0
diflubenzuron	whole	0.01	not set	217	0	0
dimethoate	whole	0.01	0.5	217	0	0
disulfoton	whole	0.01	not set	212	0	0
emamectin	whole	0.01	0.01	217	0	0
endosulfan	whole	0.01	not set	217	0	0
esfenvalerate	whole	0.01	0.5	217	0	0
ethion	whole	0.01	not set	217	0	0
ethoprophos	whole	0.005	not set	217	0	0
etoxazole	whole	0.01	not set	212	0	0
fenamiphos	whole	0.01	not set	212	0	0
fenbutatin oxide	whole	0.01	not set	212	0	0
fenitrothion	whole	0.01	0.1	217	1	0
fenoxycarb	whole	0.01	not set	212	0	0
fenpyroximate	whole	0.01	not set	212	0	0
fenthion	whole	0.01	not set	212	0	0
fenvalerate	whole	0.01	0.5	217	0	0
fipronil	whole	0.005	not set	217	0	0
hexythiazox	whole	0.01	not set	212	0	0
imidacloprid	whole	0.01	not set	217	0	0
indoxacarb	whole	0.01	0.2	217	0	0
malathion (maldison)	whole	0.01	2	217	0	0
methacrifos	whole	0.01	not set	217	0	0
methamidophos	whole	0.01	not set	212	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methidathion	whole	0.01	0.1	217	0	0
methiocarb	whole	0.01	not set	212	0	0
methomyl	whole	0.01	1	217	0	0
methoprene	whole	0.01	not set	217	0	0
methoxychlor	whole	0.01	not set	217	0	0
methoxyfenozide	whole	0.01	not set	212	0	0
mevinphos	whole	0.01	not set	212	0	0
monocrotophos	whole	0.01	not set	212	0	0
omethoate	whole	0.01	2	217	0	0
parathion	whole	0.01	not set	212	0	0
parathion-methyl	whole	0.01	not set	212	0	0
permethrin	whole	0.01	not set	217	0	0
phenothrin	whole	0.01	not set	217	0	0
phorate	whole	0.01	not set	212	0	0
phosmet	whole	0.01	not set	217	0	0
piperonyl butoxide	whole	0.01	8	217	0	0
pirimicarb	whole	0.01	0.01	217	0	0
pirimiphos-methyl	whole	0.01	not set	217	0	0
profenofos	whole	0.01	not set	217	0	0
propargite	whole	0.01	not set	212	0	0
prothiofos	whole	0.01	not set	212	0	0
pymetrozine	whole	0.01	not set	212	0	0
pyrethrins	whole	0.01	1	212	0	0
pyriproxyfen	whole	0.01	not set	217	0	0
spinetoram	whole	0.01	not set	212	0	0
spinosad	whole	0.01	0.01	217	0	0
spirotetramat	whole	0.01	not set	212	0	0
sulfoxaflor	whole	0.01	not set	73	0	0
tau-fluvalinate	whole	0.01	not set	212	0	0
tebufenozide	whole	0.01	not set	212	0	0
tebufenpyrad	whole	0.01	not set	212	0	0
terbufos	whole	0.01	not set	217	0	0
tetradifon	whole	0.01	not set	212	0	0
thiacloprid	whole	0.01	not set	212	0	0
thiamethoxam	whole	0.01	not set	212	0	0
thiodicarb	whole	0.01	0.1	217	0	0
triazofos	whole	0.01	not set	212	0	0
trichlorfon	whole	0.01	0.2	217	0	0
triflumuron	whole	0.01	not set	217	0	0

Table 4 Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	not set	217	0	0
arsenic	whole	0.05	no limit	10	0	0
cadmium	whole	0.01	no limit	10	0	0
chlordane	whole	0.01	0.02	217	0	0
copper	whole	0.05	no limit	10	0	0
DDT	whole	0.01	1	217	0	0
endrin	whole	0.01	not set	217	0	0
HCB (hexachlorobenzene)	whole	0.01	not set	217	0	0
HCH (or BHC)	whole	0.01	not set	217	0	0
heptachlor	whole	0.01	0.05	217	0	0
lead	whole	0.01	0.2	10	0	0
lindane (gamma-HCH)	whole	0.01	2	217	0	0
mercury	whole	0.01	no limit	10	0	0
mirex	whole	0.01	not set	217	0	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	whole	0.005	0.01	20	1	0