



Chickpea residue testing annual datasets 2016–17

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	778	0	0
benalaxyl	whole	0.01	not set	778	–	0
bitertanol	whole	0.01	not set	778	–	0
boscalid	whole	0.01	3	778	0	0
bupirimate	whole	0.01	not set	778	–	0
captafol	whole	0.02	not set	778	–	0
captan	whole	0.01	0.1	778	0	0
carbendazim	whole	0.01	0.5	778	0	0
chlorothalonil	whole	0.01	3	778	0	0
cyproconazole	whole	0.01	0.07	778	0	0
cyprodinil	whole	0.01	0.2	778	0	0
difenoconazole	whole	0.01	not set	778	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph (sum of E and Z isomers)	whole	0.01	1	778	0	0
dithianon	whole	0.01	not set	778	–	0
dodine	whole	0.01	not set	778	–	0
epoxiconazole	whole	0.01	not set	778	–	0
etridiazole	whole	0.01	0.2	778	0	0
fenarimol	whole	0.01	not set	778	–	0
fenhexamid	whole	0.01	not set	778	–	0
fluazinam	whole	0.01	not set	778	–	0
fludioxonil	whole	0.01	not set	778	–	0
fluquinconazole	whole	0.01	not set	778	–	0
flusilazole	whole	0.01	not set	778	–	0
flutriafol	whole	0.01	not set	778	–	0
fluxapyroxad	whole	0.01	0.1	778	0	0
hexaconazole	whole	0.01	not set	778	–	0
imazalil	whole	0.01	not set	778	–	0
ipconazole	whole	0.01	not set	778	–	0
iprodione	whole	0.01	not set	778	–	0
kresoxim-methyl	whole	0.01	not set	778	–	0
metalaxyl	whole	0.01	not set	778	–	0
myclobutanil	whole	0.01	not set	778	–	0
oxadixyl	whole	0.01	not set	778	–	0
penconazole	whole	0.01	not set	778	–	0
prochloraz	whole	0.01	not set	778	–	0
procymidone	whole	0.01	0.5	778	0	0
propiconazole	whole	0.01	0.3	778	0	0
prothioconazole	whole	0.01	0.7	778	0	0
pyraclostrobin	whole	0.01	0.5	778	0	0
pyrimethanil	whole	0.01	not set	778	–	0
quinoxifen	whole	0.01	not set	778	–	0
spiroxamine-P	whole	0.01	not set	778	–	0
tebuconazole	whole	0.01	1	778	0	0
thiabendazole	whole	0.01	not set	778	–	0
tolclofos methyl	whole	0.01	not set	778	–	0
triadimefon	whole	0.01	not set	778	–	0
triadimenol	whole	0.01	not set	778	–	0
trifloxystrobin	whole	0.01	not set	778	–	0
triticonazole	whole	0.01	not set	778	–	0
vinclozolin	whole	0.01	not set	778	–	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2,2-DPA (2,2-dichloropropionic acid)	whole	0.01	not set	778	–	0
2,4-D	whole	0.01	0.05	778	0	0
amitrole	whole	0.01	0.01	142	0	0
atrazine	whole	0.01	not set	778	–	0
bromacil	whole	0.01	not set	778	–	0
bromoxynil	whole	0.01	not set	778	–	0
carfentrazone-ethyl	whole	0.01	not set	778	–	0
chlorpropham	whole	0.01	not set	778	–	0
chlorsulfuron	whole	0.01	not set	778	–	0
chlorthal-dimethyl	whole	0.01	not set	778	–	0
clethodim (parent only)	whole	0.01	0.1	778	0	0
clodinafop-propargyl	whole	0.01	not set	778	–	0
clopyralid	whole	0.01	not set	778	–	0
cyanazine	whole	0.01	0.01	778	0	0
dicamba	whole	0.01	not set	778	–	0
dichlobenil	whole	0.01	not set	778	–	0
dichlorprop-P	whole	0.01	not set	778	–	0
diclofop-methyl	whole	0.01	not set	142	–	0
diflufenican	whole	0.01	0.05	778	0	0
diquat	whole	0.01	1	142	0	0
diuron	whole	0.01	0.05	778	0	0
ethofumesate	whole	0.01	not set	778	–	0
fenoxaprop-ethyl	whole	0.01	0.01	142	0	0
flamprop-M-methyl	whole	0.01	not set	142	–	0
fluazifop-p-butyl	whole	0.01	0.5	142	0	0
flumetsulam	whole	0.01	0.05	778	0	0
glufosinate	whole	0.01	not set	142	–	0
glyphosate	whole	0.01	5	142	6	1
haloxyfop	whole	0.01	0.1	142	5	3
imazamox	whole	0.01	not set	778	–	0
imazapic	whole	0.01	not set	778	–	0
imazapyr	whole	0.01	not set	778	–	0
imazaquin	whole	0.01	not set	778	–	0
imazethapyr	whole	0.01	0.1	778	0	0
iodosulfuron-methyl	whole	0.01	not set	778	–	0
ioxynil	whole	0.01	not set	778	–	0
isoxaben	whole	0.01	not set	778	–	0
linuron	whole	0.01	not set	778	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	778	–	0
methabenzthiazuron	whole	0.01	not set	778	–	0
metolachlor	whole	0.01	0.01	778	0	0
metosulam	whole	0.01	not set	778	–	0
metribuzin	whole	0.01	0.01	778	0	0
metsulfuron-methyl	whole	0.01	0.05	778	0	0
napropamide	whole	0.01	not set	778	–	0
norflurazon	whole	0.01	not set	778	–	0
oryzalin	whole	0.01	not set	778	–	0
oxyfluorfen	whole	0.01	not set	778	–	0
paraquat	whole	0.01	1	142	0	0
pendimethalin	whole	0.01	0.05	778	0	0
picloram	whole	0.01	not set	778	–	0
propachlor	whole	0.01	not set	778	–	0
propyzamide	whole	0.01	0.01	778	0	0
quizalofop-ethyl	whole	0.01	0.2	142	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	142	0	0
saflufenacil	whole	0.01	0.2	778	0	0
sethoxydim	whole	0.01	0.1	778	0	0
simazine	whole	0.01	0.05	778	0	0
tralkoxydim	whole	0.01	not set	778	–	0
triasulfuron	whole	0.01	not set	778	–	0
triclopyr	whole	0.01	not set	778	–	0
trifluralin	whole	0.01	0.05	778	0	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
abamectin	whole	0.01	not set	778	–	0
acephate	whole	0.01	not set	778	–	0
acetamiprid	whole	0.01	not set	778	–	0
aldicarb	whole	0.01	not set	778	–	0
amitraz	whole	0.01	not set	778	–	0
azamethiphos	whole	0.01	not set	778	–	0
azinphos-methyl	whole	0.01	not set	778	–	0
bifenazate	whole	0.01	0.5	778	0	0
bifenthrin	whole	0.01	0.02	778	0	0
bioresmethrin	whole	0.01	not set	778	–	0
buprofezin	whole	0.01	not set	778	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	778	–	0
carbaryl	whole	0.01	0.1	778	0	0
carbofuran	whole	0.01	not set	778	–	0
chlorantraniliprole	whole	0.01	0.07	778	0	0
chlorfenapyr	whole	0.01	not set	778	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	778	–	0
chlorpyrifos	whole	0.01	not set	778	–	0
chlorpyrifos-methyl	whole	0.01	not set	778	–	0
clofentezine	whole	0.01	not set	778	–	0
clothianidin	whole	0.01	not set	778	–	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	778	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	778	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	778	0	0
deltamethrin	whole	0.01	0.1	778	0	0
diafenthiuron	whole	0.01	not set	778	–	0
diazinon	whole	0.01	0.7	778	0	0
dichlorvos	whole	0.01	0.01	778	0	0
dicofol	whole	0.01	not set	778	–	0
diflubenzuron	whole	0.01	not set	778	–	0
dimethoate	whole	0.01	0.5	778	0	0
disulfoton	whole	0.01	not set	778	–	0
emamectin	whole	0.01	0.01	778	0	0
esfenvalerate	whole	0.01	0.5	778	0	0
ethion	whole	0.01	not set	778	–	0
ethoprophos	whole	0.005	not set	778	–	0
etoxazole	whole	0.01	not set	778	–	0
fenamiphos	whole	0.01	not set	778	–	0
fenbutatin oxide	whole	0.01	not set	778	–	0
fenitrothion	whole	0.01	0.1	778	0	0
fenoxycarb	whole	0.01	not set	778	–	0
fenpyroximate	whole	0.01	not set	778	–	0
fenthion	whole	0.01	not set	778	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	778	0	0
fipronil	whole	0.002	not set	778	–	0
hexythiazox	whole	0.01	not set	778	–	0
imidacloprid	whole	0.01	not set	778	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	0.2	778	0	0
malathion (maldison)	whole	0.01	2	778	0	0
methacrifos	whole	0.01	not set	778	–	0
methamidophos	whole	0.01	not set	778	–	0
methidathion	whole	0.01	not set	778	–	0
methiocarb	whole	0.01	not set	778	–	0
methomyl	whole	0.01	1	778	0	0
methoprene	whole	0.01	not set	778	–	0
methoxychlor	whole	0.01	not set	778	–	0
methoxyfenozide	whole	0.01	not set	778	–	0
mevinphos	whole	0.01	not set	778	–	0
monocrotophos	whole	0.01	not set	778	–	0
omethoate	whole	0.01	2	778	0	0
parathion	whole	0.01	not set	778	–	0
parathion-methyl	whole	0.01	not set	778	–	0
permethrin (sum of isomers)	whole	0.01	not set	778	–	0
phenothrin (sum of isomers)	whole	0.01	not set	778	–	0
phorate	whole	0.01	not set	778	–	0
phosmet	whole	0.01	not set	778	–	0
piperonyl butoxide	whole	0.01	8	778	0	0
pirimicarb	whole	0.01	0.02	778	0	0
pirimiphos-methyl	whole	0.01	not set	778	–	0
profenofos	whole	0.01	not set	778	–	0
propargite	whole	0.01	not set	778	–	0
prothiofos	whole	0.01	not set	778	–	0
pymetrozine	whole	0.01	not set	778	–	0
pyrethrins	whole	0.01	1	778	0	0
pyriproxyfen	whole	0.01	not set	778	–	0
spinetoram	whole	0.01	0.01	778	0	0
spinosad	whole	0.01	0.01	778	0	0
spirotetramat	whole	0.01	not set	778	–	0
sulfoxaflor	whole	0.01	not set	778	–	0
tau-fluvalinate	whole	0.01	not set	778	–	0
tebufenozide	whole	0.01	not set	778	–	0
tebufenpyrad	whole	0.01	not set	778	–	0
terbufos	whole	0.01	not set	778	–	0
tetradifon	whole	0.01	not set	778	–	0
thiacloprid	whole	0.01	not set	778	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	not set	778	–	0
thiodicarb	whole	0.01	0.1	778	0	0
triazofos	whole	0.01	not set	778	–	0
trichlorfon	whole	0.01	0.2	778	0	0
triflumuron	whole	0.01	not set	778	–	0

Table 4 Contaminants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	not set	778	–	0
chlordane	whole	0.01	0.02	778	0	0
DDT	whole	0.01	1	778	0	0
endosulfan	whole	0.01	not set	778	–	0
endrin	whole	0.01	not set	778	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	778	–	0
HCH (BHC)	whole	0.01	not set	778	–	0
heptachlor	whole	0.01	0.05	778	0	0
lindane (gamma-HCH)	whole	0.01	2	778	0	0
mirex	whole	0.01	not set	778	–	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	33	0	0