Chickpea residue testing annual datasets 2017–18

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	280	0	0
benalaxyl	whole	0.01	not set	280	–	0
bitertanol	whole	0.01	not set	280	–	0
boscalid	whole	0.01	3	280	0	0
bupirimate	whole	0.01	not set	280	–	0
captafol	whole	0.02	not set	280	–	0
captan	whole	0.01	0.1	280	0	0
carbendazim	whole	0.01	0.5	280	0	0
chlorothalonil	whole	0.01	3	280	0	0
cyproconazole	whole	0.01	0.07	280	0	0
cyprodinil	whole	0.01	0.2	280	0	0
difenoconazole	whole	0.01	not set	280	–	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	280	0	0
dithianon	whole	0.01	not set	280	–	0
dodine	whole	0.01	not set	280	–	0
epoxiconazole	whole	0.01	not set	280	–	0
etridiazole	whole	0.01	0.2	280	0	0
fenarimol	whole	0.01	not set	280	–	0
fenhexamid	whole	0.01	not set	280	–	0
fluazinam	whole	0.01	not set	280	–	0
fludioxonil	whole	0.01	not set	280	–	0
fluquinconazole	whole	0.01	not set	280	–	0
flusilazole	whole	0.01	not set	280	–	0
flutriafol	whole	0.01	0.05	280	0	0
fluxapyroxad	whole	0.01	0.01	280	0	0
hexaconazole	whole	0.01	not set	280	–	0
imazalil	whole	0.01	not set	280	–	0
ipconazole	whole	0.01	not set	280	–	0
iprodione	whole	0.01	not set	280	–	0
kresoxim-methyl	whole	0.01	not set	280	–	0
metalaxyl	whole	0.01	not set	280	–	0
myclobutanil	whole	0.01	not set	280	–	0
oxadixyl	whole	0.01	not set	280	–	0
penconazole	whole	0.01	not set	280	–	0
prochloraz	whole	0.01	not set	280	–	0
procymidone	whole	0.01	0.5	280	0	0
propiconazole	whole	0.01	0.3	280	0	0
prothioconazole	whole	0.01	0.7	280	0	0
pyraclostrobin	whole	0.01	0.5	280	0	0
pyrimethanil	whole	0.01	not set	280	–	0
quinoxyfen	whole	0.01	not set	280	–	0
spiroxamine-P	whole	0.01	not set	280	–	0
tebuconazole	whole	0.01	1	280	0	0
thiabendazole-P	whole	0.01	not set	280	–	0
tolclofos methyl	whole	0.01	not set	280	–	0
triadimefon	whole	0.01	not set	280	–	0
triadimenol	whole	0.01	not set	280	–	0
trifloxystrobin	whole	0.01	0.01	280	0	0
triticonazole	whole	0.01	not set	280	–	0
vinclozolin	whole	0.01	not set	280	–	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	280	–	0
2,4-D	whole	0.01	0.05	280	0	0
amitrole	whole	0.01	0.01	67	0	0
atrazine	whole	0.01	not set	280	–	0
bromacil	whole	0.01	not set	280	–	0
bromoxynil	whole	0.01	not set	280	–	0
carfentrazone-ethyl	whole	0.01	not set	280	–	0
chlorpropham	whole	0.01	not set	280	–	0
chlorsulfuron	whole	0.01	not set	280	–	0
chlorthal-dimethyl	whole	0.01	not set	280	–	0
clethodim (parent only)	whole	0.01	0.1	280	0	0
clodinafop-propargyl	whole	0.01	not set	280	–	0
clopyralid	whole	0.01	not set	280	–	0
cyanazine	whole	0.01	0.01	280	0	0
dicamba	whole	0.01	not set	280	–	0
dichlobenil	whole	0.01	not set	280	–	0
dichlorprop-P	whole	0.01	not set	280	–	0
diclofop-methyl	whole	0.01	not set	67	–	0
diflufenican	whole	0.01	0.05	280	0	0
diquat	whole	0.01	1	67	0	0
diuron	whole	0.01	0.05	280	0	0
ethofumesate	whole	0.01	not set	280	–	0
fenoxaprop-ethyl	whole	0.01	0.01	67	0	0
flamprop-M-methyl	whole	0.01	not set	67	–	0
fluazifop-p-butyl	whole	0.01	0.5	67	0	0
flumetsulam	whole	0.01	0.05	280	0	0
glufosinate	whole	0.01	not set	67	–	0
glyphosate	whole	0.01	5	67	0	0
haloxyfop	whole	0.01	0.1	67	0	0
imazamox	whole	0.01	not set	280	–	0
imazapic	whole	0.01	not set	280	–	0
imazapyr	whole	0.01	not set	280	–	0
imazaquin	whole	0.01	not set	280	–	0
imazethapyr	whole	0.01	0.1	280	0	0
iodosulfuron-methyl	whole	0.01	not set	280	–	0
ioxynil	whole	0.01	not set	280	–	0
isoxaben	whole	0.01	not set	280	–	0
linuron	whole	0.01	not set	280	–	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	280	–	0
methabenzthiazuron	whole	0.01	not set	280	–	0
metolachlor	whole	0.01	0.01	280	0	0
metosulam	whole	0.01	not set	280	–	0
metribuzin	whole	0.01	0.01	280	0	0
metsulfuron-methyl	whole	0.01	0.05	280	0	0
napropamide	whole	0.01	not set	280	–	0
norflurazon	whole	0.01	not set	280	–	0
oryzalin	whole	0.01	not set	280	–	0
oxyfluorfen	whole	0.01	not set	280	–	0
paraquat	whole	0.01	1	67	0	0
pendimethalin	whole	0.01	0.05	280	0	0
picloram	whole	0.01	not set	280	–	0
propachlor	whole	0.01	not set	280	–	0
propyzamide	whole	0.01	0.01	280	0	0
quizalofop-ethyl	whole	0.01	0.2	67	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	67	0	0
saflufenacil	whole	0.01	0.2	280	0	0
sethoxydim	whole	0.01	0.1	280	0	0
simazine	whole	0.01	0.05	280	0	0
tralkoxydim	whole	0.01	not set	280	–	0
triasulfuron	whole	0.01	not set	280	–	0
triclopyr	whole	0.01	not set	280	–	0
trifluralin	whole	0.01	0.05	280	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	280	–	0
emamectin	whole	0.01	0.01	280	0	0
acephate	whole	0.01	not set	280	–	0
acetamiprid-P	whole	0.01	not set	280	–	0
aldicarb	whole	0.01	not set	280	–	0
amitraz	whole	0.01	not set	280	–	0
azamethiphos	whole	0.01	not set	280	–	0
azinphos-methyl	whole	0.01	not set	280	–	0
bifenazate	whole	0.01	0.5	280	0	0
bifenthrin	whole	0.01	0.02	280	0	0
bioresmethrin	whole	0.01	not set	280	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
buprofezin	whole	0.01	not set	280	–	0
cadusafos	whole	0.01	not set	280	–	0
carbaryl	whole	0.01	0.1	280	0	0
carbofuran	whole	0.01	not set	280	–	0
chlorantraniliprole	whole	0.01	0.07	280	0	0
chlorfenapyr	whole	0.01	not set	280	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	280	–	0
chlorpyrifos	whole	0.01	not set	280	–	0
chlorpyrifos-methyl	whole	0.01	0.15	280	0	3
clofentezine	whole	0.01	not set	280	–	0
clothianidin	whole	0.01	not set	280	–	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	280	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	280	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	280	0	0
deltamethrin	whole	0.01	0.1	280	0	0
diafenthiuron	whole	0.01	not set	280	–	0
diazinon	whole	0.01	0.7	280	0	0
dichlorvos	whole	0.01	0.01	280	0	0
dicofol	whole	0.01	not set	280	–	0
diflubenzuron	whole	0.01	not set	280	–	0
dimethoate	whole	0.01	0.5	280	0	0
disulfoton	whole	0.01	not set	280	–	0
esfenvalerate	whole	0.01	0.5	280	0	0
ethion	whole	0.01	not set	280	–	0
ethoprophos	whole	0.005	not set	280	–	0
etoxazole	whole	0.01	not set	280	–	0
fenamiphos	whole	0.01	not set	280	–	0
fenbutatin oxide	whole	0.01	not set	280	–	0
fenitrothion	whole	0.01	0.1	280	1	0
fenoxycarb	whole	0.01	not set	280	–	0
fenpyroximate	whole	0.01	not set	280	–	0
fenthion	whole	0.01	not set	280	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	280	0	0
fipronil	whole	0.002	not set	280	–	0
hexythiazox	whole	0.01	not set	280	–	0
imidacloprid	whole	0.01	not set	280	–	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	280	0	0
malathion (maldison)	whole	0.01	2	280	0	0
methacrifos	whole	0.01	not set	280	–	0
methamidophos	whole	0.01	not set	280	–	0
methidathion	whole	0.01	not set	280	–	0
methiocarb	whole	0.01	not set	280	–	0
methomyl	whole	0.01	1	280	0	0
methoprene	whole	0.01	not set	280	–	0
methoxychlor	whole	0.01	not set	280	–	0
methoxyfenozide	whole	0.01	not set	280	–	0
mevinphos	whole	0.01	not set	280	–	0
monocrotophos	whole	0.01	not set	280	–	0
omethoate	whole	0.01	2	280	0	0
parathion	whole	0.01	not set	280	–	0
parathion-methyl	whole	0.01	not set	280	–	0
permethrin (sum of isomers)	whole	0.01	not set	280	–	0
phenothrin (sum of isomers)	whole	0.01	not set	280	–	0
phorate	whole	0.01	not set	280	–	0
phosmet	whole	0.01	not set	280	–	0
piperonyl butoxide	whole	0.01	8	280	1	0
pirimicarb	whole	0.01	0.02	280	0	0
pirimiphos-methyl	whole	0.01	not set	280	–	0
profenofos	whole	0.01	not set	280	–	0
propargite	whole	0.01	not set	280	–	0
prothiofos	whole	0.01	not set	280	–	0
pymetrozine	whole	0.01	not set	280	–	0
pyrethrins	whole	0.01	1	280	0	0
pyriproxyfen	whole	0.01	not set	280	–	0
spinetoram	whole	0.01	0.01	280	0	0
spinosad	whole	0.01	0.01	280	0	0
spirotetramat	whole	0.01	not set	280	–	0
sulfoxaflor	whole	0.01	not set	280	–	0
tau-fluvalinate	whole	0.01	not set	280	–	0
tebufenozide	whole	0.01	not set	280	–	0
tebufenpyrad	whole	0.01	not set	280	–	0
terbufos	whole	0.01	not set	280	–	0
tetradifon	whole	0.01	not set	280	–	0
thiacloprid	whole	0.01	not set	280	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	not set	280	–	0
thiodicarb	whole	0.01	0.1	280	0	0
triazofos	whole	0.01	not set	280	–	0
trichlorfon	whole	0.01	0.2	280	0	0
triflumuron	whole	0.01	not set	280	–	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	280	–	0
chlordane	whole	0.01	0.02	280	0	0
DDT	whole	0.01	1	280	0	0
endosulfan	whole	0.01	not set	280	–	0
endrin	whole	0.01	not set	280	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	280	–	0
HCH (BHC)	whole	0.01	not set	280	–	0
heptachlor	whole	0.01	0.05	280	0	0
lindane (gamma-HCH)	whole	0.01	2	280	0	0
mirex	whole	0.01	not set	280	–	0