



Chickpea residue testing annual datasets 2019–20

National Residue Survey, Department of Agriculture, Water and the Environment

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.

Disclaimer

Although the Australian Government has exercised due care and skill in the preparation and compilation of this publication, it does not warrant its accuracy, completeness, currency or suitability for any purpose. To the maximum extent permitted by law, the Australian Government disclaims all liability, including liability in negligence for any loss, damage, cost or expense incurred by persons as a result of accessing, using or relying on any of the information or data set out in this publication. Before relying on the material in any matters, users should carefully evaluate its accuracy, currency, completeness and relevance for the purposes intended, and should obtain any appropriate professional advice relevant to their particular circumstances.

Table 1 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azoxystrobin	whole	0.01	0.3	43	0	0
benalaxyl	whole	0.01	not set	43	–	0
bitertanol	whole	0.01	not set	43	–	0
bixafen	whole	0.01	0.01	43	0	0
boscalid	whole	0.01	3	43	0	0
bupirimate	whole	0.01	not set	43	–	0
captafol	whole	0.02	not set	43	–	0
captan	whole	0.01	0.1	43	0	0
carbendazim	whole	0.01	0.5	43	0	0
carboxin	whole	0.01	not set	43	–	0
chlorothalonil	whole	0.01	3	43	0	0

Chickpea residue testing annual datasets 2019–20

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyproconazole	whole	0.01	0.03	43	0	0
cyprodinil	whole	0.01	0.2	43	0	0
difenoconazole	whole	0.01	not set	43	–	0
dimethomorph (sum of E and Z isomers)	whole	0.01	1	43	0	0
dithianon	whole	0.01	not set	43	–	0
dodine	whole	0.01	not set	43	–	0
epoxiconazole	whole	0.01	not set	43	–	0
etridiazole	whole	0.01	0.2	43	0	0
fenarimol	whole	0.01	not set	43	–	0
fenbuconazole	whole	0.01	not set	43	–	0
fenhexamid	whole	0.01	not set	43	–	0
fluazinam	whole	0.01	not set	43	–	0
fludioxonil	whole	0.01	0.1	43	0	0
fluquinconazole	whole	0.01	not set	43	–	0
flusilazole	whole	0.01	not set	43	–	0
flutriafol	whole	0.01	0.05	43	0	0
fluxapyroxad	whole	0.01	0.01	43	0	0
hexaconazole	whole	0.01	not set	43	–	0
imazalil	whole	0.01	not set	43	–	0
ipconazole	whole	0.01	not set	43	–	0
iprodione	whole	0.01	not set	43	–	0
isoprothiolane	whole	0.01	not set	43	–	0
kresoxim-methyl	whole	0.01	not set	43	–	0
metalaxyl	whole	0.01	not set	43	–	0
myclobutanil	whole	0.01	not set	43	–	0
oxadixyl	whole	0.01	not set	43	–	0
penconazole	whole	0.01	not set	43	–	0
penflufen	whole	0.01	0.01	43	0	0
prochloraz	whole	0.01	not set	43	–	0
procymidone	whole	0.01	0.5	43	0	0
propiconazole	whole	0.01	0.3	43	0	0
prothioconazole	whole	0.01	0.7	43	0	0
pyraclostrobin	whole	0.01	0.5	43	0	0
pyrimethanil	whole	0.01	not set	43	–	0
quinoxifen	whole	0.01	not set	43	–	0
sedaxane	whole	0.01	not set	43	–	0
spiroxamine	whole	0.01	not set	43	–	0
tebuconazole	whole	0.01	1	43	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiabendazole	whole	0.01	not set	43	–	0
tolclofos methyl	whole	0.01	not set	43	–	0
triadimefon	whole	0.01	not set	43	–	0
triadimenol	whole	0.01	not set	43	–	0
trifloxystrobin	whole	0.01	0.01	43	0	0
triticonazole	whole	0.01	not set	43	–	0
vinclozolin	whole	0.01	not set	43	–	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	43	–	0
2,4-D	whole	0.01	0.05	43	0	0
2,4-DB	whole	0.01	not set	43	–	0
aminopyralid	whole	0.01	not set	43	–	0
amitrole	whole	0.01	0.01	14	0	0
atrazine	whole	0.01	not set	43	–	0
bentazone	whole	0.01	0.01	43	0	0
bromacil	whole	0.01	not set	43	–	0
bromoxynil	whole	0.01	not set	43	–	0
butoxydim	whole	0.01	0.01	43	0	0
carfentrazone-ethyl	whole	0.01	not set	43	–	0
chlormequat	whole	0.01	not set	14	–	0
chlorpropham	whole	0.01	not set	43	–	0
chlorsulfuron	whole	0.01	not set	43	–	0
chlorthal-dimethyl	whole	0.01	not set	43	–	0
clethodim (parent only)	whole	0.01	0.1	43	0	0
clodinafop-propargyl	whole	0.01	not set	43	–	0
clopyralid	whole	0.01	not set	43	–	0
cyanazine	whole	0.01	0.01	43	0	0
dicamba	whole	0.01	not set	43	–	0
dichlobenil	whole	0.01	not set	43	–	0
dichlorprop-P	whole	0.01	not set	14	–	0
diclofop-methyl	whole	0.01	not set	14	–	0
diflufenican	whole	0.01	0.05	43	0	0
diquat	whole	0.01	1	14	0	0
diuron	whole	0.01	0.05	43	0	0
ethofumesate	whole	0.01	not set	43	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
fenoxaprop-ethyl	whole	0.01	0.01	43	0	0
flamprop-M-methyl	whole	0.01	0.01	14	0	0
fluazifop-p-butyl	whole	0.01	0.5	14	0	0
flumetsulam	whole	0.01	0.05	43	0	0
flumioxazin	whole	0.01	0.1	43	0	0
fluroxypyr	whole	0.01	not set	43	–	0
glufosinate	whole	0.01	not set	14	–	0
glyphosate	whole	0.01	5	14	1	0
haloxyfop	whole	0.01	0.1	14	0	0
imazamox	whole	0.01	not set	43	–	0
imazapic	whole	0.01	not set	43	–	0
imazapyr	whole	0.01	not set	43	–	0
imazaquin	whole	0.01	not set	43	–	0
imazethapyr	whole	0.01	0.1	43	0	0
iodosulfuron-methyl	whole	0.01	not set	43	–	0
ioxynil	whole	0.01	not set	43	–	0
isoxaben	whole	0.01	not set	43	–	0
linuron	whole	0.01	not set	43	–	0
MCPA	whole	0.01	not set	43	–	0
methabenzthiazuron	whole	0.01	not set	43	–	0
metolachlor	whole	0.01	0.01	43	0	0
metosulam	whole	0.01	not set	43	–	0
metribuzin	whole	0.01	0.01	43	0	0
metsulfuron-methyl	whole	0.01	0.05	43	0	0
napropamide	whole	0.01	not set	43	–	0
norflurazon	whole	0.01	not set	43	–	0
oryzalin	whole	0.01	not set	43	–	0
oxyfluorfen	whole	0.01	not set	43	–	0
paraquat	whole	0.01	1	14	0	0
pendimethalin	whole	0.01	0.05	43	0	0
picloram	whole	0.01	not set	43	–	0
propachlor	whole	0.01	not set	43	–	0
propaquizafop	whole	0.01	0.05	14	0	0
propyzamide	whole	0.01	0.01	43	0	0
quizalofop-ethyl	whole	0.01	0.2	14	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	14	0	0
saflufenacil	whole	0.01	0.2	43	0	0
sethoxydim	whole	0.01	0.1	43	0	0
simazine	whole	0.01	0.05	43	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
terbutryn	whole	0.01	not set	43	–	0
tralkoxydim	whole	0.01	not set	43	–	0
triallate	whole	0.01	0.1	43	0	0
triasulfuron	whole	0.01	not set	43	–	0
triclopyr	whole	0.01	not set	43	–	0
trifluralin	whole	0.01	0.05	43	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	43	–	0
acephate	whole	0.01	not set	43	–	0
acetamiprid	whole	0.01	not set	43	–	0
aldicarb	whole	0.01	not set	43	–	0
amitraz	whole	0.01	not set	43	–	0
azamethiphos	whole	0.01	not set	43	–	0
azinphos-methyl	whole	0.01	not set	43	–	0
bifenazate	whole	0.01	0.5	43	0	0
bifenthrin	whole	0.01	0.02	43	0	0
bioresmethrin	whole	0.01	not set	43	–	0
buprofezin	whole	0.01	not set	43	–	0
cadusafos	whole	0.01	not set	43	–	0
carbaryl	whole	0.01	0.1	43	0	0
carbofuran	whole	0.01	not set	43	–	0
chlorantraniliprole	whole	0.01	0.07	43	0	0
chlorfenapyr	whole	0.01	not set	43	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	43	–	0
chlorpyrifos	whole	0.01	not set	43	–	0
chlorpyrifos-methyl	whole	0.01	0.15	43	0	0
clofentezine	whole	0.01	not set	43	–	0
clothianidin	whole	0.01	0.1	43	0	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	43	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	43	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	43	0	0
deltamethrin	whole	0.01	0.1	43	0	0
diafenthiuron	whole	0.01	not set	43	–	0
diazinon	whole	0.01	0.7	43	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dichlorvos	whole	0.01	0.01	43	0	0
dicofol	whole	0.01	not set	43	–	0
diflubenzuron	whole	0.01	not set	43	–	0
dimethoate	whole	0.01	0.5	43	0	0
disulfoton	whole	0.01	not set	43	–	0
emamectin	whole	0.01	0.01	43	0	0
esfenvalerate	whole	0.01	0.5	43	0	0
ethion	whole	0.01	not set	43	–	0
ethoprophos	whole	0.005	not set	43	–	0
etoxazole	whole	0.01	not set	43	–	0
fenamiphos	whole	0.01	not set	43	–	0
fenbutatin oxide	whole	0.01	not set	43	–	0
fenitrothion	whole	0.01	0.1	43	0	0
fenoxycarb	whole	0.01	not set	43	–	0
fenpyroximate	whole	0.01	not set	43	–	0
fenthion	whole	0.01	not set	43	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	43	0	0
fipronil	whole	0.002	not set	43	–	0
hexythiazox	whole	0.01	not set	43	–	0
imidacloprid	whole	0.01	not set	43	–	2
indoxacarb	whole	0.01	0.2	43	0	0
malathion (maldison)	whole	0.01	2	43	0	0
methacrifos	whole	0.01	not set	43	–	0
methamidophos	whole	0.01	not set	43	–	0
methidathion	whole	0.01	not set	43	–	0
methiocarb	whole	0.01	not set	43	–	0
methomyl	whole	0.01	1	43	0	0
methoprene	whole	0.01	not set	43	–	0
methoxychlor	whole	0.01	not set	43	–	0
methoxyfenozide	whole	0.01	not set	43	–	0
mevinphos	whole	0.01	not set	43	–	0
monocrotophos	whole	0.01	not set	43	–	0
omethoate	whole	0.01	2	43	0	0
parathion	whole	0.01	not set	43	–	0
parathion-methyl	whole	0.01	not set	43	–	0
permethrin (sum of isomers)	whole	0.01	not set	43	–	0
phenothrin (sum of isomers)	whole	0.01	not set	43	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phorate	whole	0.01	not set	43	–	0
phosmet	whole	0.01	not set	43	–	0
piperonyl butoxide	whole	0.01	8	43	0	0
pirimicarb	whole	0.01	0.02	43	0	0
pirimiphos-methyl	whole	0.01	not set	43	–	0
profenofos	whole	0.01	not set	43	–	0
propargite	whole	0.01	not set	43	–	0
prothiofos	whole	0.01	not set	43	–	0
pymetrozine	whole	0.01	not set	43	–	0
pyrethrins	whole	0.01	1	43	0	0
pyriproxyfen	whole	0.01	not set	43	–	0
spinetoram	whole	0.01	0.01	43	0	0
spinosad	whole	0.01	0.01	43	0	0
spirotetramat	whole	0.01	not set	43	–	0
sulfoxaflor	whole	0.01	not set	43	–	0
tau-fluvalinate	whole	0.01	not set	43	–	0
tebufenozide	whole	0.01	not set	43	–	0
tebufenpyrad	whole	0.01	not set	43	–	0
terbufos	whole	0.01	not set	43	–	0
tetradifon	whole	0.01	not set	43	–	0
thiacloprid	whole	0.01	not set	43	–	0
thiamethoxam	whole	0.01	0.5	43	0	0
thiodicarb	whole	0.01	0.1	43	0	0
triazofos	whole	0.01	not set	43	–	0
trichlorfon	whole	0.01	0.2	43	0	0
triflumuron	whole	0.01	not set	43	–	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	43	–	0
chlordane	whole	0.01	0.02	43	0	0
DDT	whole	0.01	1	43	0	0
endosulfan	whole	0.01	not set	43	–	0
endrin	whole	0.01	not set	43	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	43	–	0
HCH (BHC)	whole	0.01	not set	43	–	0
heptachlor	whole	0.01	0.05	43	0	0

Chickpea residue testing annual datasets 2019–20

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
lindane (gamma-HCH)	whole	0.01	2	43	0	0
mirex	whole	0.01	not set	43	–	0