Australian Government

Department of Agriculture, Fisheries and Forestry

Chickpea residue testing annual datasets 2022-23

National Residue Survey (NRS), Department of Agriculture, Fisheries and Forestry

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, retina 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

Table 1: CONTAMINANTS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	Whole	0.01	not set	168	-	-
chlordane	Whole	0.01	0.02	168	0	0
DDT	Whole	0.01	1	168	0	0
endosulfan	Whole	0.01	not set	168	-	-
endrin	Whole	0.01	not set	168	-	-
HCB (hexachlorobenzene)	Whole	0.01	not set	168	-	-
HCH (BHC)	Whole	0.01	not set	168	-	-
heptachlor	Whole	0.01	0.05	168	0	0
lindane (gamma-HCH)	Whole	0.01	2	168	0	0
mirex	Whole	0.01	not set	168	-	-

Table 2: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
azoxystrobin	Whole	0.01	0.3	168	0	0
benalaxyl	Whole	0.01	not set	168	-	-
benzovindiflupyr	Whole	0.01	not set	168	-	-
bitertanol	Whole	0.01	not set	168	-	-
bixafen	Whole	0.01	0.01	168	0	0
boscalid	Whole	0.01	3	168	0	0
bupirimate	Whole	0.01	not set	168	-	-
captafol	Whole	0.01	not set	168	-	-
captan	Whole	0.01	0.1	168	0	0
carbendazim	Whole	0.01	0.5	168	0	0
carboxin	Whole	0.01	not set	168	-	-
chlorothalonil	Whole	0.01	3	168	0	0
cyproconazole	Whole	0.01	0.05	168	0	0
cyprodinil	Whole	0.01	0.2	168	0	0
difenoconazole	Whole	0.01	not set	168	-	-
dimethomorph	Whole	0.01	1	168	0	0
dithianon	Whole	0.01	not set	168	-	-
dodine	Whole	0.01	not set	168	-	-
epoxiconazole	Whole	0.01	not set	168	-	-
etridiazole	Whole	0.01	0.2	168	0	0
fenarimol	Whole	0.01	not set	168	-	-
fenbuconazole	Whole	0.01	not set	168	-	-
fenhexamid	Whole	0.01	not set	168	-	-
fluazinam	Whole	0.01	not set	168	-	-
fludioxonil	Whole	0.01	0.1	168	0	0
fluopicolide	Whole	0.01	0.01	168	0	0
fluopyram	Whole	0.01	0.03	168	0	0
fluquinconazole	Whole	0.01	not set	168	-	-
flusilazole	Whole	0.01	not set	168	-	-
flutriafol	Whole	0.01	0.05	168	0	0
fluxapyroxad	Whole	0.01	0.1	168	0	0
hexaconazole	Whole	0.01	not set	168	-	-
imazalil	Whole	0.01	not set	168	-	-
ipconazole	Whole	0.01	not set	168	-	-
iprodione	Whole	0.01	not set	168	-	-
isoprothiolane	Whole	0.01	not set	168	-	-
isopyrazam	Whole	0.01	not set	168	-	-
kresoxim-methyl	Whole	0.01	not set	168	-	-
metalaxyl	Whole	0.01	not set	168	-	-

myclobutanil	Whole	0.01	not set	168	-	-
oxadixyl	Whole	0.01	not set	168	-	-
penconazole	Whole	0.01	not set	168	-	-
penflufen	Whole	0.01	0.01	168	0	0
prochloraz	Whole	0.01	not set	168	-	-
procymidone	Whole	0.01	0.5	168	0	0
propiconazole	Whole	0.01	0.3	168	0	0
prothioconazole	Whole	0.01	0.02	168	0	0
pydiflumetofen	Whole	0.01	0.4	168	0	0
pyraclostrobin	Whole	0.01	not set	168	-	-
pyrimethanil	Whole	0.01	not set	168	-	-
quinoxyfen	Whole	0.01	not set	168	-	-
quintozene	Whole	0.01	not set	168	-	-
sedaxane	Whole	0.01	not set	168	-	-
spiroxamine	Whole	0.01	not set	168	-	-
tebuconazole	Whole	0.01	1	168	0	0
thiabendazole	Whole	0.01	not set	168	-	-
tolclofos methyl	Whole	0.01	not set	168	-	-
triadimefon	Whole	0.01	not set	168	-	-
triadimenol	Whole	0.01	not set	168	-	-
trifloxystrobin	Whole	0.01	not set	168	-	-
triticonazole	Whole	0.01	not set	168	-	-
uniconazole-P	Whole	0.01	not set	67	-	-
vinclozolin	Whole	0.01	not set	168	-	-

Table 3: HERBICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
2,2-DPA (2,2-dichloropropionic acid)	Whole	0.01	not set	168	-	-
2,4-D	Whole	0.01	0.05	168	0	0
2,4-DB	Whole	0.01	not set	168	-	-
acifluorfen	Whole	0.01	0.1	168	0	0
ametryn	Whole	0.01	not set	168	-	-
aminopyralid	Whole	0.01	not set	168	-	-
amitrole	Whole	0.01	0.01	35	0	0
atrazine	Whole	0.01	not set	168	-	-
bentazone	Whole	0.01	0.01	168	0	0
bicyclopyrone	Whole	0.01	not set	168	-	-
bixlozone	Whole	0.01	not set	168	-	-
bromacil	Whole	0.01	not set	168	-	-

bromoxynil	Whole	0.01	not set	168	-	-
butafenacil	Whole	0.01	0.01	168	0	0
butroxydim	Whole	0.01	0.01	168	0	0
carfentrazone-ethyl	Whole	0.01	not set	168	-	-
chlormequat	Whole	0.01	not set	35	-	-
chlorpropham	Whole	0.01	not set	168	-	-
chlorsulfuron	Whole	0.01	not set	168	-	-
chlorthal-dimethyl	Whole	0.01	not set	168	-	-
cinmethylin	Whole	0.01	not set	168	-	-
clethodim	Whole	0.01	0.1	168	0	0
clodinafop acid	Whole	0.01	not set	168	-	-
clodinafop-propargyl	Whole	0.01	not set	168	-	-
clomazone	Whole	0.01	not set	168	-	-
clopyralid	Whole	0.01	not set	168	-	-
cloquintocet-mexyl	Whole	0.01	not set	168	-	-
cyanazine	Whole	0.01	0.01	168	0	0
dicamba	Whole	0.01	not set	168	-	-
dichlobenil	Whole	0.01	not set	168	-	-
dichlorprop-P	Whole	0.01	not set	35	-	-
diclofop-methyl	Whole	0.01	not set	35	-	-
diflufenican	Whole	0.01	0.05	168	0	0
dimethenamid-P	Whole	0.01	0.02	168	0	0
diquat	Whole	0.01	1	35	0	0
diuron	Whole	0.01	0.05	168	0	0
EPTC	Whole	0.01	0.04	168	0	0
ethofumesate	Whole	0.01	not set	168	-	-
fenoxaprop-ethyl	Whole	0.01	0.01	168	0	0
flamprop-M-methyl	Whole	0.01	0.01	35	0	0
florasulam	Whole	0.01	not set	168	-	-
florpyrauxifen-benzyl	Whole		not set	168	-	-
fluazifop-p-butyl	Whole	0.01	0.5	35	0	0
flumetsulam	Whole	0.01	0.05	168	0	0
flumioxazin	Whole	0.01	0.1	168	0	0
fluroxypyr	Whole	0.01	not set	168	-	-
fomesafen	Whole	0.01	0.01	168	0	0
glufosinate	Whole	0.01	not set	35	-	-
glyphosate	Whole	0.01	5	35	1	0
halauxifen-methyl	Whole	0.01	not set	168	-	-
halosulfuron-methyl	Whole	0.01	not set	168	-	-
haloxyfop	Whole	0.005	0.1	35	5	1
imazamox	Whole	0.01	not set	8	-	-
imazapic	Whole	0.01	not set	8	-	-

imazapyr	Whole	0.01	not set	8	0	0
imazaquin	Whole	0.01	not set	8	-	-
imazethapyr	Whole	0.01	0.1	8	0	0
iodosulfuron-methyl	Whole	0.01	not set	168	-	-
ioxynil	Whole	0.01	not set	168	-	-
isoxaben	Whole	0.01	not set	168	-	-
isoxaflutole	Whole	0.01	0.02	168	0	0
linuron	Whole	0.01	not set	168	-	-
MCPA	Whole	0.01	not set	168	-	-
MCPB	Whole	0.01	0.02	168	0	0
mefenpyr-diethyl	Whole	0.01	not set	168	-	-
mesotrione	Whole	0.01	not set	168	-	-
metamitron	Whole	0.01	not set	168	-	-
metazachlor	Whole	0.01	0.03	168	0	0
methabenzthiazuron	Whole	0.01	not set	168	-	-
metolachlor	Whole	0.01	0.01	168	0	0
metosulam	Whole	0.01	not set	168	-	-
metribuzin	Whole	0.01	0.01	168	0	0
metsulfuron-methyl	Whole	0.01	0.05	168	0	0
napropamide	Whole	0.01	not set	168	-	-
norflurazon	Whole	0.01	not set	168	-	-
oryzalin	Whole	0.01	not set	168	-	-
oxyfluorfen	Whole	0.01	not set	168	-	-
paraquat	Whole	0.01	1	35	0	0
pendimethalin	Whole	0.01	0.05	168	0	0
picloram	Whole	0.01	not set	168	-	-
picolinafen	Whole	0.01	not set	168	-	-
pinoxaden (parent)	Whole	0.01	not set	168	-	-
prometryn	Whole	0.01	0.1	168	0	0
propachlor	Whole	0.01	not set	168	-	-
propaquizafop	Whole	0.01	0.05	35	0	0
propyzamide	Whole	0.01	0.01	168	0	0
prosulfocarb	Whole	0.01	0.01	168	0	0
pyraflufen-ethyl	Whole	0.01	0.02	168	0	0
pyrasulfotole	Whole	0.01	not set	168	-	-
pyroxasulfone	Whole	0.01	0.01	168	0	0
pyroxsulam	Whole	0.01	not set	168	-	-
quizalofop-ethyl	Whole	0.01	0.2	35	0	0
quizalofop-P-tefuryl	Whole	0.01	0.2	35	0	0
saflufenacil	Whole	0.01	0.2	168	0	0
sethoxydim	Whole	0.01	0.1	168	0	0
simazine	Whole	0.01	0.05	168	0	0

sulfosulfuron	Whole	0.01	not set	168	-	-
terbuthylazine	Whole	0.01	0.02	168	1	0
terbutryn	Whole	0.01	not set	168	-	-
tiafenacil	Whole	0.01	0.01	168	0	0
topramezone	Whole	0.01	not set	168	-	-
tralkoxydim	Whole	0.01	not set	168	-	-
triallate	Whole	0.01	0.1	168	0	0
triasulfuron	Whole	0.01	not set	168	-	-
tribenuron-methyl	Whole	0.01	0.01	168	0	0
triclopyr	Whole	0.01	not set	168	-	-
trifludimoxazin	Whole	0.01	not set	168	-	-
trifluralin	Whole	0.01	0.05	168	0	0

Table 4: INSECTICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
abamectin	Whole	0.01	not set	168	-	-
acephate	Whole	0.01	not set	168	-	-
acetamiprid	Whole	0.01	0.1	168	0	0
aldicarb	Whole	0.01	not set	168	-	-
amitraz	Whole	0.01	not set	168	-	-
azamethiphos	Whole	0.01	not set	168	-	-
azinphos-methyl	Whole	0.01	not set	168	-	-
bifenazate	Whole	0.01	0.5	168	0	0
bifenthrin	Whole	0.01	0.02	168	0	0
bioresmethrin	Whole	0.01	not set	168	-	-
buprofezin	Whole	0.01	0.01	168	0	0
cadusafos	Whole	0.01	not set	168	-	-
carbaryl	Whole	0.01	0.1	168	0	0
carbofuran	Whole	0.01	not set	168	-	-
chlorantraniliprole	Whole	0.01	0.07	168	0	0
chlorfenapyr	Whole	0.01	not set	168	-	-
chlorfenvinphos	Whole	0.01	not set	168	-	-
chlorpyrifos	Whole	0.01	not set	168	-	-
chlorpyrifos-methyl	Whole	0.01	0.15	168	0	0
clofentezine	Whole	0.01	not set	168	-	-
clothianidin	Whole	0.01	0.1	168	0	0
cyantraniliprole	Whole	0.01	0.05	168	0	0
cyfluthrin	Whole	0.01	not set	168	-	-
cyhalothrin	Whole	0.01	0.2	168	0	0
cypermethrin	Whole	0.01	0.2	168	0	0

deltamethrin	Whole	0.01	0.1	168	0	0
diafenthiuron	Whole	0.01	not set	168	-	-
diazinon	Whole	0.01	0.7	168	0	0
dichlorvos	Whole	0.01	0.01	168	0	0
dicofol	Whole	0.01	not set	168	-	-
diflubenzuron	Whole	0.01	not set	168	-	-
dimethoate	Whole	0.01	0.7	168	0	0
dinotefuran	Whole	0.01	not set	168	-	-
disulfoton	Whole	0.01	not set	168	-	-
emamectin	Whole	0.01	0.01	168	0	0
ethion	Whole	0.01	not set	168	-	-
ethoprophos	Whole	0.005	not set	168	-	-
etoxazole	Whole	0.01	not set	168	-	-
fenamiphos	Whole	0.01	not set	168	-	-
fenbutatin oxide	Whole	0.01	not set	168	-	-
fenitrothion	Whole	0.01	0.1	168	3	1
fenoxycarb	Whole	0.01	not set	168	-	-
fenpyroximate	Whole	0.01	not set	168	-	-
fenthion	Whole	0.01	not set	168	-	-
fenvalerate	Whole	0.01	0.5	168	0	0
fipronil	Whole	0.002	not set	168	-	-
flonicamid	Whole	0.01	not set	168	-	-
fluensulfone	Whole	0.01	0.05	168	0	0
flupyradifurone	Whole	0.01	0.2	168	0	0
hexythiazox	Whole	0.01	not set	168	-	-
imidacloprid	Whole	0.01	not set	168	-	-
indoxacarb	Whole	0.01	0.2	168	0	0
malathion	Whole	0.01	2	168	0	0
methacrifos	Whole	0.01	not set	168	-	-
methamidophos	Whole	0.01	not set	168	-	-
methidathion	Whole	0.01	not set	168	-	-
methiocarb	Whole	0.01	not set	168	-	-
methomyl	Whole	0.01	1	168	0	0
methoprene	Whole	0.01	not set	168	-	-
methoxychlor	Whole	0.01	not set	168	-	-
methoxyfenozide	Whole	0.01	2	168	0	0
mevinphos	Whole	0.01	not set	168	-	-
monocrotophos	Whole	0.01	not set	168	-	-
omethoate	Whole	0.01	0.1	168	0	0
parathion	Whole	0.01	not set	168	-	-
parathion-methyl	Whole	0.01	not set	168	-	-
permethrin	Whole	0.01	not set	168	-	-

phenothrin	Whole	0.01	not set	168	-	-
phorate	Whole	0.01	not set	168	-	-
phosmet	Whole	0.01	not set	168	-	-
piperonyl butoxide	Whole	0.01	8	168	0	0
pirimicarb	Whole	0.01	0.02	168	0	0
pirimiphos-methyl	Whole	0.01	not set	168	-	-
profenofos	Whole	0.01	not set	168	-	-
propargite	Whole	0.01	not set	168	-	-
prothiofos	Whole	0.01	not set	168	-	-
pymetrozine	Whole	0.01	not set	168	-	-
pyrethrins	Whole	0.01	1	168	0	0
pyriproxyfen	Whole	0.01	not set	168	-	-
spinetoram	Whole	0.01	0.01	168	0	0
spinosad	Whole	0.01	0.01	168	0	0
spirotetramat	Whole	0.01	not set	168	-	-
sulfoxaflor	Whole	0.01	not set	168	-	-
tau-fluvalinate	Whole	0.01	not set	168	-	-
tebufenozide	Whole	0.01	not set	168	-	-
tebufenpyrad	Whole	0.01	not set	168	-	-
terbufos	Whole	0.01	not set	168	-	-
tetradifon	Whole	0.01	not set	168	-	-
thiacloprid	Whole	0.01	not set	168	-	-
thiamethoxam	Whole	0.01	0.5	168	0	0
thiodicarb	Whole	0.01	0.1	168	0	0
triazofos	Whole	0.01	not set	168	-	-
trichlorfon	Whole	0.01	0.2	168	0	0
triflumuron	Whole	0.01	not set	168	-	-

Table 5: PHYSIOLOGICAL MODIFIER

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
forchlorfenuron	Whole	0.01	not set	168	-	-
prohexadione-calcium	Whole	0.01	not set	168	-	-
trinexapac-ethyl	Whole	0.01	not set	168	-	-