



Australian Government

Department of Agriculture, Fisheries and Forestry

Lentil residue testing annual datasets 2023-24

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

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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	216	-	-
chlordane	Whole	0.01	0.02	216	0	0
DDT	Whole	0.01	1	216	0	0
endosulfan	Whole	0.01	not set	216	-	-
endrin	Whole	0.01	not set	216	-	-
HCB (hexachlorobenzene)	Whole	0.01	not set	216	-	-
HCH (BHC)	Whole	0.01	not set	216	-	-
heptachlor	Whole	0.01	0.05	216	0	0
lindane (gamma-HCH)	Whole	0.01	2	216	0	0
mirex	Whole	0.01	not set	216	-	-

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	216	0	0
benalaxyl	Whole	0.01	not set	216	-	-
benzovindiflupyr	Whole	0.01	not set	216	-	-
bitertanol	Whole	0.01	not set	216	-	-
bixafen	Whole	0.01	0.01	216	0	0
boscalid	Whole	0.01	3	216	0	0
bupirimate	Whole	0.01	not set	216	-	-
captafol	Whole	0.01	not set	216	-	-
captan	Whole	0.01	0.1	216	0	0
carbendazim	Whole	0.01	0.5	216	0	0
carboxin	Whole	0.01	not set	216	-	-
carboxin sulfoxide	Whole	0.01	not set	216	-	-
chlorothalonil	Whole	0.01	3	216	0	0
cyproconazole	Whole	0.01	0.05	216	0	0
cyprodinil	Whole	0.01	not set	216	-	-
difenoconazole	Whole	0.01	not set	216	-	-
dimethomorph	Whole	0.01	not set	216	-	-
dithianon	Whole	0.01	not set	216	-	-
dodine	Whole	0.01	not set	216	-	-
epoxiconazole	Whole	0.01	not set	216	-	-
etridiazole	Whole	0.01	0.2	216	0	0
fenarimol	Whole	0.01	not set	216	-	-
fenbuconazole	Whole	0.01	not set	216	-	-
fenhexamid	Whole	0.01	not set	216	-	-
florylpicoxamid	Whole	0.01	not set	146	-	-
fluazinam	Whole	0.01	not set	216	-	-
fludioxonil	Whole	0.01	0.1	216	0	0
fluopicolide	Whole	0.01	0.01	216	0	0
fluopyram	Whole	0.01	0.03	216	0	0
fluquinconazole	Whole	0.01	not set	216	-	-
flusilazole	Whole	0.01	not set	216	-	-
flutriafol	Whole	0.01	0.05	216	0	0
fluxapyroxad	Whole	0.01	0.1	216	0	0
hexaconazole	Whole	0.01	not set	216	-	-
imazalil	Whole	0.01	not set	216	-	-
ipconazole	Whole	0.01	not set	216	-	-
iprodione	Whole	0.01	not set	216	-	-
isoprothiolane	Whole	0.01	not set	216	-	-
isopyrazam	Whole	0.01	not set	216	-	-

kresoxim-methyl	Whole	0.01	not set	216	-	-
metalaxyl	Whole	0.01	not set	216	-	-
myclobutanil	Whole	0.01	not set	216	-	-
oxadixyl	Whole	0.01	not set	216	-	-
penconazole	Whole	0.01	not set	216	-	-
penflufen	Whole	0.01	0.01	216	0	1
prochloraz	Whole	0.01	not set	216	-	-
procymidone	Whole	0.01	0.5	216	0	0
propiconazole	Whole	0.01	0.3	216	0	0
prothioconazole	Whole	0.01	0.02	216	0	0
pydiflumetofen	Whole	0.01	0.4	216	0	0
pyraclostrobin	Whole	0.01	not set	216	-	-
pyrimethanil	Whole	0.01	not set	216	-	-
quinoxifen	Whole	0.01	not set	216	-	-
quintozene	Whole	0.01	not set	216	-	-
sedaxane	Whole	0.01	not set	216	-	-
spiroxamine	Whole	0.01	not set	216	-	-
tebuconazole	Whole	0.01	1	216	0	0
thiabendazole	Whole	0.01	not set	216	-	-
tolclofos methyl	Whole	0.01	not set	216	-	-
triadimefon	Whole	0.01	not set	216	-	-
triadimenol	Whole	0.01	not set	216	-	-
trifloxystrobin	Whole	0.01	not set	216	-	-
triticonazole	Whole	0.01	not set	216	-	-
uniconazole-P	Whole	0.01	not set	216	-	-
vinclozolin	Whole	0.01	not set	216	-	-

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	216	-	-
2,4-D	Whole	0.01	0.05	216	0	0
2,4-DB	Whole	0.01	not set	216	-	-
acifluorfen	Whole	0.01	0.1	216	0	0
aclonifen	Whole	0.01	not set	146	-	-
ametryn	Whole	0.01	not set	216	-	-
aminopyralid	Whole	0.01	not set	216	-	-
amitrole	Whole	0.01	0.01	37	0	0
atrazine	Whole	0.01	not set	216	-	-
bentazone	Whole	0.01	0.01	216	0	0

bicyclopyrone	Whole	0.01	not set	216	-	-
bixlozone	Whole	0.01	not set	216	-	-
bromacil	Whole	0.01	not set	216	-	-
bromoxynil	Whole	0.01	not set	216	-	-
butafenacil	Whole	0.01	0.01	216	0	0
butoxydim	Whole	0.01	0.01	216	0	0
carfentrazone-ethyl	Whole	0.01	not set	216	-	-
chlormequat	Whole	0.01	not set	37	-	-
chlorpropham	Whole	0.01	not set	216	-	-
chlorsulfuron	Whole	0.01	not set	216	-	-
chlorthal-dimethyl	Whole	0.01	not set	216	-	-
cinmethylin	Whole	0.01	not set	216	-	-
clethodim	Whole	0.01	0.1	216	0	0
clodinafop acid	Whole	0.01	not set	216	-	-
clodinafop-propargyl	Whole	0.01	not set	216	-	-
clomazone	Whole	0.01	not set	216	-	-
clopyralid	Whole	0.01	not set	216	-	-
cloquintocet-mexyl	Whole	0.01	not set	216	-	-
cyanazine	Whole	0.01	0.01	216	0	0
dicamba	Whole	0.01	not set	216	-	-
dichlobenil	Whole	0.01	not set	216	-	-
dichlorprop-P	Whole	0.01	not set	37	-	-
diclofop-methyl	Whole	0.01	not set	37	-	-
diflufenican	Whole	0.01	0.05	216	0	0
dimethenamid-P	Whole	0.01	0.02	216	0	0
diquat	Whole	0.01	1	37	0	0
diuron	Whole	0.01	0.05	216	0	0
EPTC	Whole	0.01	0.04	216	0	0
ethofumesate	Whole	0.01	not set	216	-	-
fenoxaprop-ethyl	Whole	0.01	not set	216	-	-
flamprop-M-methyl	Whole	0.01	not set	37	-	-
florasulam	Whole	0.01	not set	216	-	-
florpyrauxifen-benzyl	Whole		not set	216	-	-
fluazifop-p-butyl	Whole	0.01	0.5	37	0	0
flumetsulam	Whole	0.01	0.05	216	0	0
flumioxazin	Whole	0.01	0.1	216	0	0
fluroxypyr	Whole	0.01	not set	216	-	-
fomesafen	Whole	0.01	0.01	216	0	0
glufosinate	Whole	0.01	not set	37	-	-
glyphosate	Whole	0.01	5	37	0	0
halauxifen-methyl	Whole	0.01	not set	216	-	-
halosulfuron-methyl	Whole	0.01	not set	216	-	-

haloxyfop	Whole	0.005	0.1	37	5	0
imazamox	Whole	0.01	0.2	37	0	0
imazapic	Whole	0.01	not set	37	-	-
imazapyr	Whole	0.01	0.2	37	0	0
imazaquin	Whole	0.01	not set	37	-	-
imazethapyr	Whole	0.01	0.1	37	0	0
iodosulfuron-methyl	Whole	0.01	not set	216	-	-
ioxynil	Whole	0.01	not set	216	-	-
isoxaben	Whole	0.01	not set	216	-	-
isoxaflutole	Whole	0.01	not set	216	-	-
linuron	Whole	0.01	not set	216	-	-
MCPA	Whole	0.01	not set	216	-	-
MCPB	Whole	0.01	0.02	216	0	0
mefenpyr-diethyl	Whole	0.01	not set	216	-	-
mesotrione	Whole	0.01	not set	216	-	-
metamitron	Whole	0.01	not set	216	-	-
metazachlor	Whole	0.01	0.03	216	0	0
methabenzthiazuron	Whole	0.01	not set	216	-	-
metolachlor	Whole	0.01	0.01	216	0	0
metosulam	Whole	0.01	not set	216	-	-
metribuzin	Whole	0.01	0.01	216	0	0
metsulfuron-methyl	Whole	0.01	not set	216	-	-
napropamide	Whole	0.01	not set	216	-	-
norflurazon	Whole	0.01	not set	216	-	-
oryzalin	Whole	0.01	not set	216	-	-
oxyfluorfen	Whole	0.01	not set	216	-	-
paraquat	Whole	0.01	1	37	0	0
pendimethalin	Whole	0.01	0.05	216	0	0
picloram	Whole	0.01	not set	216	-	-
picolinafen	Whole	0.01	not set	216	-	-
pinoxaden (parent)	Whole	0.01	not set	216	-	-
prometryn	Whole	0.01	0.1	216	0	0
propachlor	Whole	0.01	not set	216	-	-
propaquizafop	Whole	0.01	0.05	37	0	0
propyzamide	Whole	0.01	0.01	216	0	0
prosulfocarb	Whole	0.01	0.01	216	0	0
pyraflufen-ethyl	Whole	0.01	0.02	216	0	0
pyrasulfotole	Whole	0.01	not set	216	-	-
pyroxasulfone	Whole	0.01	0.01	216	0	0
pyroxulam	Whole	0.01	not set	216	-	-
quizalofop-ethyl	Whole	0.01	0.2	37	0	0
quizalofop-P-tefuryl	Whole	0.01	0.2	37	0	0

saflufenacil	Whole	0.01	0.2	216	0	0
sethoxydim	Whole	0.01	0.1	216	0	0
simazine	Whole	0.01	not set	216	-	-
sulfosulfuron	Whole	0.01	not set	216	-	-
terbuthylazine	Whole	0.01	0.02	216	0	0
terbutryn	Whole	0.01	not set	216	-	-
tiafenacil	Whole	0.01	0.01	216	0	0
topramezone	Whole	0.01	not set	216	-	-
tralkoxydim	Whole	0.01	not set	216	-	-
triallate	Whole	0.01	0.1	216	0	0
triasulfuron	Whole	0.01	not set	216	-	-
tribenuron-methyl	Whole	0.01	not set	216	-	-
triclopyr	Whole	0.01	not set	216	-	-
trifludimoxazin	Whole	0.01	not set	216	-	-
trifluralin	Whole	0.01	0.05	216	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	216	-	-
acephate	Whole	0.01	not set	216	-	-
acetamiprid	Whole	0.01	0.1	216	0	0
aldicarb	Whole	0.01	not set	216	-	-
amitraz	Whole	0.01	not set	216	-	-
azamethiphos	Whole	0.01	not set	216	-	-
azinphos-methyl	Whole	0.01	not set	216	-	-
bifenazate	Whole	0.01	not set	216	-	-
bifenthrin	Whole	0.01	0.02	216	0	0
bioresmethrin	Whole	0.01	not set	216	-	-
buprofezin	Whole	0.01	0.01	216	0	0
cadusafos	Whole	0.01	not set	216	-	-
carbaryl	Whole	0.01	0.1	216	0	0
carbofuran	Whole	0.01	not set	216	-	-
chlorantraniliprole	Whole	0.01	0.07	216	0	0
chlorfenapyr	Whole	0.01	not set	216	-	-
chlorfenvinphos	Whole	0.01	not set	216	-	-
chlorpyrifos	Whole	0.01	not set	216	-	-
chlorpyrifos-methyl	Whole	0.01	0.15	216	0	0
clofentezine	Whole	0.01	not set	216	-	-
clothianidin	Whole	0.01	0.02	216	0	0
cyantraniliprole	Whole	0.01	0.05	216	0	0

cyfluthrin	Whole	0.01	not set	216	-	-
cyhalothrin	Whole	0.01	0.2	216	0	0
cypermethrin	Whole	0.01	0.05	216	0	0
deltamethrin	Whole	0.01	0.1	216	0	0
diafenthiuron	Whole	0.01	not set	216	-	-
diazinon	Whole	0.01	0.7	216	0	0
dichlorvos	Whole	0.01	0.01	216	0	0
dicofol	Whole	0.01	not set	216	-	-
diflubenzuron	Whole	0.01	not set	216	-	-
dimethoate	Whole	0.01	0.7	216	0	0
dinotefuran	Whole	0.01	not set	216	-	-
disulfoton	Whole	0.01	not set	216	-	-
emamectin	Whole	0.01	0.01	216	0	0
ethion	Whole	0.01	not set	216	-	-
ethoprophos	Whole	0.005	not set	216	-	-
etoxazole	Whole	0.01	not set	216	-	-
fenamiphos	Whole	0.01	not set	216	-	-
fenbutatin oxide	Whole	0.01	not set	216	-	-
fenitrothion	Whole	0.01	0.1	216	0	0
fenoxycarb	Whole	0.01	not set	216	-	-
fenpyroximate	Whole	0.01	not set	216	-	-
fenthion	Whole	0.01	not set	216	-	-
fenvalerate	Whole	0.01	0.5	216	0	0
fipronil	Whole	0.002	not set	216	-	-
flonicamid	Whole	0.01	not set	216	-	-
fluensulfone	Whole	0.01	0.05	216	0	0
flupyradifurone	Whole	0.01	0.2	216	0	0
hexythiazox	Whole	0.01	not set	216	-	-
imidacloprid	Whole	0.01	0.2	216	2	2
indoxacarb	Whole	0.01	0.2	216	0	0
malathion	Whole	0.01	8	216	0	0
methacrifos	Whole	0.01	not set	216	-	-
methamidophos	Whole	0.01	not set	216	-	-
methidathion	Whole	0.01	not set	216	-	-
methiocarb	Whole	0.01	not set	216	-	-
methomyl	Whole	0.01	1	216	0	0
methoprene	Whole	0.01	not set	216	-	-
methoxychlor	Whole	0.01	not set	216	-	-
methoxyfenozide	Whole	0.01	not set	216	-	-
mevinphos	Whole	0.01	not set	216	-	-
monocrotophos	Whole	0.01	not set	216	-	-
omethoate	Whole	0.01	0.1	216	0	0

parathion	Whole	0.01	not set	216	-	-
parathion-methyl	Whole	0.01	not set	216	-	-
permethrin	Whole	0.01	not set	216	-	-
phenothrin	Whole	0.01	not set	216	-	-
phorate	Whole	0.01	not set	216	-	-
phosmet	Whole	0.01	not set	216	-	-
piperonyl butoxide	Whole	0.01	8	216	0	0
pirimicarb	Whole	0.01	0.02	216	0	0
pirimiphos-methyl	Whole	0.01	not set	216	-	-
profenofos	Whole	0.01	not set	216	-	-
propargite	Whole	0.01	not set	216	-	-
prothiofos	Whole	0.01	not set	216	-	-
pymetrozine	Whole	0.01	not set	216	-	-
pyrethrins	Whole	0.01	1	216	0	0
pyriproxyfen	Whole	0.01	not set	216	-	-
spinetoram	Whole	0.01	0.01	216	0	0
spinosad	Whole	0.01	0.01	216	0	0
spirotetramat	Whole	0.01	1	216	0	0
sulfoxaflor	Whole	0.01	not set	216	-	-
tau-fluvalinate	Whole	0.01	not set	216	-	-
tebufenozide	Whole	0.01	not set	216	-	-
tebufenpyrad	Whole	0.01	not set	216	-	-
terbufos	Whole	0.01	not set	216	-	-
tetradifon	Whole	0.01	not set	216	-	-
tetraniliprole	Whole	0.01	not set	146	-	-
thiacloprid	Whole	0.01	not set	216	-	-
thiamethoxam	Whole	0.01	0.02	216	0	0
thiodicarb	Whole	0.01	0.1	216	0	0
triazofos	Whole	0.01	not set	216	-	-
trichlorfon	Whole	0.01	0.2	216	0	0
triflumuron	Whole	0.01	not set	216	-	-

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	216	-	-
prohexadione-calcium	Whole	0.01	not set	216	-	-
trinexapac-ethyl	Whole	0.01	not set	216	-	-

