



# Australian Government

## Department of Agriculture, Fisheries and Forestry

# Lentil 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

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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	176	-	-
chlordane	Whole	0.01	0.02	176	0	0
DDT	Whole	0.01	1	176	0	0
endosulfan	Whole	0.01	not set	176	-	-
endrin	Whole	0.01	not set	176	-	-
HCB (hexachlorobenzene)	Whole	0.01	not set	176	-	-
HCH (BHC)	Whole	0.01	not set	176	-	-
heptachlor	Whole	0.01	0.05	176	0	0
lindane (gamma-HCH)	Whole	0.01	2	176	0	0
mirex	Whole	0.01	not set	176	-	-

**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	176	0	0
benalaxyl	Whole	0.01	not set	176	-	-
benzovindiflupyr	Whole	0.01	not set	176	-	-
bitertanol	Whole	0.01	not set	176	-	-
bixafen	Whole	0.01	0.01	176	0	0
boscalid	Whole	0.01	3	176	0	0
bupirimate	Whole	0.01	not set	176	-	-
captafol	Whole	0.01	not set	176	-	-
captan	Whole	0.01	0.1	176	0	0
carbendazim	Whole	0.01	0.5	176	0	0
carboxin	Whole	0.01	not set	176	-	-
chlorothalonil	Whole	0.01	3	176	0	0
cyproconazole	Whole	0.01	0.05	176	0	0
cyprodinil	Whole	0.01	not set	176	-	-
difenoconazole	Whole	0.01	not set	176	-	-
dimethomorph	Whole	0.01	not set	176	-	-
dithianon	Whole	0.01	not set	176	-	-
dodine	Whole	0.01	not set	176	-	-
epoxiconazole	Whole	0.01	not set	176	-	-
etridiazole	Whole	0.01	0.2	176	0	0
fenarimol	Whole	0.01	not set	176	-	-
fenbuconazole	Whole	0.01	not set	176	-	-
fenhexamid	Whole	0.01	not set	176	-	-
fluazinam	Whole	0.01	not set	176	-	-
fludioxonil	Whole	0.01	0.1	176	0	0
fluopicolide	Whole	0.01	0.01	176	0	0
fluopyram	Whole	0.01	0.03	176	0	0
fluquinconazole	Whole	0.01	not set	176	-	-
flusilazole	Whole	0.01	not set	176	-	-
flutriafol	Whole	0.01	0.05	176	0	0
fluxapyroxad	Whole	0.01	0.1	176	0	0
hexaconazole	Whole	0.01	not set	176	-	-
imazalil	Whole	0.01	not set	176	-	-
ipconazole	Whole	0.01	not set	176	-	-
iprodione	Whole	0.01	not set	176	-	-
isoprothiolane	Whole	0.01	not set	176	-	-
isopyrazam	Whole	0.01	not set	176	-	-
kresoxim-methyl	Whole	0.01	not set	176	-	-
metalaxyl	Whole	0.01	not set	176	-	-

myclobutanil	Whole	0.01	not set	176	-	-
oxadixyl	Whole	0.01	not set	176	-	-
penconazole	Whole	0.01	not set	176	-	-
penflufen	Whole	0.01	0.01	176	0	0
prochloraz	Whole	0.01	not set	176	-	-
procymidone	Whole	0.01	0.5	176	0	0
propiconazole	Whole	0.01	0.3	176	0	0
prothioconazole	Whole	0.01	0.02	176	0	0
pydiflumetofen	Whole	0.01	0.4	176	0	0
pyraclostrobin	Whole	0.01	not set	176	-	-
pyrimethanil	Whole	0.01	not set	176	-	-
quinoxifen	Whole	0.01	not set	176	-	-
quintozene	Whole	0.01	not set	176	-	-
sedaxane	Whole	0.01	not set	176	-	-
spiroxamine	Whole	0.01	not set	176	-	-
tebuconazole	Whole	0.01	1	176	0	0
thiabendazole	Whole	0.01	not set	176	-	-
tolclofos methyl	Whole	0.01	not set	176	-	-
triadimefon	Whole	0.01	not set	176	-	-
triadimenol	Whole	0.01	not set	176	-	-
trifloxystrobin	Whole	0.01	not set	176	-	-
triticonazole	Whole	0.01	not set	176	-	-
uniconazole-P	Whole	0.01	not set	79	-	-
vinclozolin	Whole	0.01	not set	176	-	-

**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	176	-	-
2,4-D	Whole	0.01	0.05	176	0	0
2,4-DB	Whole	0.01	not set	176	-	-
acifluorfen	Whole	0.01	0.1	176	0	0
ametryn	Whole	0.01	not set	176	-	-
aminopyralid	Whole	0.01	not set	176	-	-
amitrole	Whole	0.01	0.01	24	0	0
atrazine	Whole	0.01	not set	176	-	-
bentazone	Whole	0.01	0.01	176	0	0
bicyclopyrone	Whole	0.01	not set	176	-	-
bixlozone	Whole	0.01	not set	176	-	-
bromacil	Whole	0.01	not set	176	-	-

bromoxynil	Whole	0.01	not set	176	-	-
butafenacil	Whole	0.01	0.01	176	0	0
butoxydim	Whole	0.01	0.01	176	0	0
carfentrazone-ethyl	Whole	0.01	not set	176	-	-
chlormequat	Whole	0.01	not set	24	-	-
chlorpropham	Whole	0.01	not set	176	-	-
chlorsulfuron	Whole	0.01	not set	176	-	-
chlorthal-dimethyl	Whole	0.01	not set	176	-	-
cinmethylin	Whole	0.01	not set	176	-	-
clethodim	Whole	0.01	0.1	176	0	0
clodinafop acid	Whole	0.01	not set	176	-	-
clodinafop-propargyl	Whole	0.01	not set	176	-	-
clomazone	Whole	0.01	not set	176	-	-
clopyralid	Whole	0.01	not set	176	-	-
cloquintocet-mexyl	Whole	0.01	not set	176	-	-
cyanazine	Whole	0.01	0.01	176	0	0
dicamba	Whole	0.01	not set	176	-	-
dichlobenil	Whole	0.01	not set	176	-	-
dichlorprop-P	Whole	0.01	not set	24	-	-
diclofop-methyl	Whole	0.01	not set	24	-	-
diflufenican	Whole	0.01	0.05	176	0	0
dimethenamid-P	Whole	0.01	0.02	176	0	0
diquat	Whole	0.01	1	24	0	0
diuron	Whole	0.01	0.05	176	0	0
EPTC	Whole	0.01	0.04	176	0	0
ethofumesate	Whole	0.01	not set	176	-	-
fenoxaprop-ethyl	Whole	0.01	not set	176	-	-
flamprop-M-methyl	Whole	0.01	not set	24	-	-
florasulam	Whole	0.01	not set	176	-	-
florpyrauxifen-benzyl	Whole		not set	176	-	-
fluazifop-p-butyl	Whole	0.01	0.5	24	0	0
flumetsulam	Whole	0.01	0.05	176	0	0
flumioxazin	Whole	0.01	0.1	176	0	0
fluroxypyr	Whole	0.01	not set	176	-	-
fomesafen	Whole	0.01	0.01	176	0	0
glufosinate	Whole	0.01	not set	24	-	-
glyphosate	Whole	0.01	5	24	4	0
halauxifen-methyl	Whole	0.01	not set	176	-	-
halosulfuron-methyl	Whole	0.01	not set	176	-	-
haloxyfop	Whole	0.005	0.1	24	0	0
imazamox	Whole	0.01	0.2	116	1	31
imazapic	Whole	0.01	not set	116	-	-

imazapyr	Whole	0.01	0.2	116	1	30
imazaquin	Whole	0.01	not set	116	-	-
imazethapyr	Whole	0.01	0.1	116	0	0
iodosulfuron-methyl	Whole	0.01	not set	176	-	-
ioxynil	Whole	0.01	not set	176	-	-
isoxaben	Whole	0.01	not set	176	-	-
isoxaflutole	Whole	0.01	not set	176	-	-
linuron	Whole	0.01	not set	176	-	-
MCPA	Whole	0.01	not set	176	-	-
MCPB	Whole	0.01	0.02	176	0	0
mefenpyr-diethyl	Whole	0.01	not set	176	-	-
mesotrione	Whole	0.01	not set	176	-	-
metamitron	Whole	0.01	not set	176	-	-
metazachlor	Whole	0.01	0.03	176	0	0
methabenzthiazuron	Whole	0.01	not set	176	-	-
metolachlor	Whole	0.01	0.01	176	0	0
metosulam	Whole	0.01	not set	176	-	-
metribuzin	Whole	0.01	0.01	176	0	0
metsulfuron-methyl	Whole	0.01	not set	176	-	-
napropamide	Whole	0.01	not set	176	-	-
norflurazon	Whole	0.01	not set	176	-	-
oryzalin	Whole	0.01	not set	176	-	-
oxyfluorfen	Whole	0.01	not set	176	-	-
paraquat	Whole	0.01	1	24	0	0
pendimethalin	Whole	0.01	0.05	176	0	0
picloram	Whole	0.01	not set	176	-	-
picolinafen	Whole	0.01	not set	176	-	-
pinoxaden (parent)	Whole	0.01	not set	176	-	-
prometryn	Whole	0.01	0.1	176	0	0
propachlor	Whole	0.01	not set	176	-	-
propaquizafop	Whole	0.01	0.05	24	0	0
propyzamide	Whole	0.01	0.01	176	0	0
prosulfocarb	Whole	0.01	0.01	176	0	0
pyraflufen-ethyl	Whole	0.01	0.02	176	0	0
pyrasulfotole	Whole	0.01	not set	176	-	-
pyroxasulfone	Whole	0.01	0.01	176	0	0
pyroxsulam	Whole	0.01	not set	176	-	-
quizalofop-ethyl	Whole	0.01	0.2	24	0	0
quizalofop-P-tefuryl	Whole	0.01	0.2	24	0	0
saflufenacil	Whole	0.01	0.2	176	0	0
sethoxydim	Whole	0.01	0.1	176	0	0
simazine	Whole	0.01	not set	176	-	-

sulfosulfuron	Whole	0.01	not set	176	-	-
terbuthylazine	Whole	0.01	0.02	176	0	0
terbutryn	Whole	0.01	not set	176	-	-
tiafenacil	Whole	0.01	0.01	176	0	0
topramezone	Whole	0.01	not set	176	-	-
tralkoxydim	Whole	0.01	not set	176	-	-
triallate	Whole	0.01	0.1	176	0	0
triasulfuron	Whole	0.01	not set	176	-	-
tribenuron-methyl	Whole	0.01	not set	176	-	-
triclopyr	Whole	0.01	not set	176	-	-
trifludimoxazin	Whole	0.01	not set	176	-	-
trifluralin	Whole	0.01	0.05	176	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	176	-	-
acephate	Whole	0.01	not set	176	-	-
acetamiprid	Whole	0.01	0.1	176	0	0
aldicarb	Whole	0.01	not set	176	-	-
amitraz	Whole	0.01	not set	176	-	-
azamethiphos	Whole	0.01	not set	176	-	-
azinphos-methyl	Whole	0.01	not set	176	-	-
bifenazate	Whole	0.01	not set	176	-	-
bifenthrin	Whole	0.01	0.02	176	0	0
bioresmethrin	Whole	0.01	not set	176	-	-
buprofezin	Whole	0.01	0.01	176	0	0
cadusafos	Whole	0.01	not set	176	-	-
carbaryl	Whole	0.01	0.1	176	0	0
carbofuran	Whole	0.01	not set	176	-	-
chlorantraniliprole	Whole	0.01	0.07	176	0	0
chlorfenapyr	Whole	0.01	not set	176	-	-
chlorfenvinphos	Whole	0.01	not set	176	-	-
chlorpyrifos	Whole	0.01	not set	176	-	-
chlorpyrifos-methyl	Whole	0.01	0.15	176	0	1
clofentezine	Whole	0.01	not set	176	-	-
clothianidin	Whole	0.01	0.1	176	0	0
cyantraniliprole	Whole	0.01	0.05	176	0	0
cyfluthrin	Whole	0.01	not set	176	-	-
cyhalothrin	Whole	0.01	0.2	176	0	0
cypermethrin	Whole	0.01	0.05	176	0	0

deltamethrin	Whole	0.01	0.1	176	0	0
diafenthiuron	Whole	0.01	not set	176	-	-
diazinon	Whole	0.01	0.7	176	0	0
dichlorvos	Whole	0.01	0.01	176	0	0
dicofol	Whole	0.01	not set	176	-	-
diflubenzuron	Whole	0.01	not set	176	-	-
dimethoate	Whole	0.01	0.7	176	0	0
dinotefuran	Whole	0.01	not set	176	-	-
disulfoton	Whole	0.01	not set	176	-	-
emamectin	Whole	0.01	0.01	176	0	0
ethion	Whole	0.01	not set	176	-	-
ethoprophos	Whole	0.005	not set	176	-	-
etoxazole	Whole	0.01	not set	176	-	-
fenamiphos	Whole	0.01	not set	176	-	-
fenbutatin oxide	Whole	0.01	not set	176	-	-
fenitrothion	Whole	0.01	0.1	176	0	0
fenoxycarb	Whole	0.01	not set	176	-	-
fenpyroximate	Whole	0.01	not set	176	-	-
fenthion	Whole	0.01	not set	176	-	-
fenvalerate	Whole	0.01	0.5	176	0	0
fipronil	Whole	0.002	not set	176	-	-
flonicamid	Whole	0.01	not set	176	-	-
fluensulfone	Whole	0.01	0.05	176	0	0
flupyradifurone	Whole	0.01	0.2	176	0	0
hexythiazox	Whole	0.01	not set	176	-	-
imidacloprid	Whole	0.01	0.2	176	0	0
indoxacarb	Whole	0.01	0.2	176	0	0
malathion	Whole	0.01	8	176	0	0
methacrifos	Whole	0.01	not set	176	-	-
methamidophos	Whole	0.01	not set	176	-	-
methidathion	Whole	0.01	not set	176	-	-
methiocarb	Whole	0.01	not set	176	-	-
methomyl	Whole	0.01	1	176	0	0
methoprene	Whole	0.01	not set	176	-	-
methoxychlor	Whole	0.01	not set	176	-	-
methoxyfenozide	Whole	0.01	not set	176	-	-
mevinphos	Whole	0.01	not set	176	-	-
monocrotophos	Whole	0.01	not set	176	-	-
omethoate	Whole	0.01	0.1	176	0	0
parathion	Whole	0.01	not set	176	-	-
parathion-methyl	Whole	0.01	not set	176	-	-
permethrin	Whole	0.01	not set	176	-	-

phenothrin	Whole	0.01	not set	176	-	-
phorate	Whole	0.01	not set	176	-	-
phosmet	Whole	0.01	not set	176	-	-
piperonyl butoxide	Whole	0.01	8	176	0	0
pirimicarb	Whole	0.01	0.02	176	0	0
pirimiphos-methyl	Whole	0.01	not set	176	-	-
profenofos	Whole	0.01	not set	176	-	-
propargite	Whole	0.01	not set	176	-	-
prothiofos	Whole	0.01	not set	176	-	-
pymetrozine	Whole	0.01	not set	176	-	-
pyrethrins	Whole	0.01	1	176	0	0
pyriproxyfen	Whole	0.01	not set	176	-	-
spinetoram	Whole	0.01	0.01	176	0	0
spinosad	Whole	0.01	0.01	176	0	0
spirotetramat	Whole	0.01	not set	176	-	-
sulfoxaflor	Whole	0.01	not set	176	-	-
tau-fluvalinate	Whole	0.01	not set	176	-	-
tebufenozide	Whole	0.01	not set	176	-	-
tebufenpyrad	Whole	0.01	not set	176	-	-
terbufos	Whole	0.01	not set	176	-	-
tetradifon	Whole	0.01	not set	176	-	-
thiacloprid	Whole	0.01	not set	176	-	-
thiamethoxam	Whole	0.01	0.5	176	0	0
thiodicarb	Whole	0.01	0.1	176	0	0
triazofos	Whole	0.01	not set	176	-	-
trichlorfon	Whole	0.01	0.2	176	0	0
triflumuron	Whole	0.01	not set	176	-	-

**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	176	-	-
prohexadione-calcium	Whole	0.01	not set	176	-	-
trinexapac-ethyl	Whole	0.01	not set	176	-	-