



# Lentil residue testing annual datasets 2021-22

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

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: 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	95	-	-
chlordane	Whole		0.02	95	0	0
DDT	Whole	0.01	1	95	0	0
endosulfan	Whole	0.01	not set	95	-	-
endrin	Whole	0.01	not set	95	-	-
HCB	Whole	0.01	not set	95	-	-
HCH	Whole	0.01	not set	95	-	-
heptachlor	Whole	0.01	0.05	95	0	0
lindane (gamma-HCH)	Whole	0.01	2	95	0	0
mirex	Whole	0.01	not set	95	-	-



**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	95	0	0
benalaxyl	Whole	0.01	not set	95	-	-
bitertanol	Whole	0.01	not set	95	-	-
bixafen	Whole	0.01	0.01	95	0	0
boscalid	Whole	0.01	3	95	0	0
bupirimate	Whole	0.01	not set	95	-	-
captafol	Whole	0.02	not set	95	-	-
captan	Whole	0.01	0.1	95	0	0
carbendazim	Whole	0.01	0.5	95	0	0
carboxin	Whole	0.01	not set	95	-	-
chlorothalonil	Whole	0.01	3	95	0	0
cyproconazole	Whole	0.01	0.05	95	0	0
cyprodinil	Whole	0.01	not set	95	-	-
difenoconazole	Whole	0.01	not set	95	-	-
dimethomorph	Whole	0.01	not set	95	-	-
dithianon	Whole	0.01	not set	95	-	-
dodine	Whole	0.01	not set	95	-	-
epoxiconazole	Whole	0.01	not set	95	-	-
etridiazole	Whole	0.01	0.2	95	0	0
fenarimol	Whole	0.01	not set	95	-	-
fenbuconazole	Whole	0.01	not set	95	-	-
fenhexamid	Whole	0.01	not set	95	-	-
fluzinam	Whole	0.01	not set	95	-	-
fludioxonil	Whole	0.01	0.1	95	0	0
fluquinconazole	Whole	0.01	not set	95	-	-
flusilazole	Whole	0.01	not set	95	-	-
flutriafol	Whole	0.01	0.05	95	1	0
fluxapyroxad	Whole	0.01	0.1	95	0	0
hexaconazole	Whole	0.01	not set	95	-	-
imazalil	Whole	0.01	not set	95	-	-
ipconazole	Whole	0.01	not set	95	-	-
iprodione	Whole	0.01	not set	95	-	-
isoprothiolane	Whole	0.01	not set	95	-	-
kresoxim-methyl	Whole	0.01	not set	95	-	-
metalaxyl	Whole	0.01	not set	95	-	-
myclobutanil	Whole	0.01	not set	95	-	-



oxadixyl	Whole	0.01	not set	95	-	-
penconazole	Whole	0.01	not set	95	-	-
penflufen	Whole	0.01	0.01	95	0	0
prochloraz	Whole	0.01	not set	95	-	-
procymidone	Whole	0.01	0.5	95	0	0
propiconazole	Whole	0.01	0.3	95	0	0
prothioconazole	Whole	0.01	0.02	95	0	0
pyraclostrobin	Whole	0.01	not set	95	-	-
pyrimethanil	Whole	0.01	not set	95	-	-
quinoxifen	Whole	0.01	not set	95	-	-
sedaxane	Whole	0.01	not set	95	-	-
spiroxamine	Whole	0.01	not set	95	-	-
tebuconazole	Whole	0.01	1	95	0	0
thiabendazole	Whole	0.01	not set	95	-	-
tolclofos methyl	Whole	0.01	not set	95	-	-
triadimefon	Whole	0.01	not set	95	-	-
triadimenol	Whole	0.01	not set	95	-	-
trifloxystrobin	Whole	0.01	not set	95	-	-
triticonazole	Whole	0.01	not set	95	-	-
vinclozolin	Whole	0.01	not set	95	-	-

**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	95	-	-
2,4-D	Whole	0.01	0.05	95	0	0
2,4-DB	Whole	0.01	not set	95	-	-
acifluorfen	Whole	0.01	0.1	95	0	0
ametryn	Whole	0.01	not set	95	-	-
aminopyralid	Whole	0.01	not set	95	-	-
amitrole	Whole	0.01	0.01	12	0	0
atrazine	Whole	0.01	not set	95	-	-
bentazone	Whole	0.01	0.01	95	0	0
bicyclopyrone	Whole	0.01	not set	95	-	-
bromacil	Whole	0.01	not set	95	-	-
bromoxynil	Whole	0.01	not set	95	-	-
butoxydim	Whole	0.01	0.01	95	0	0
carfentrazone-ethyl	Whole	0.01	not set	95	-	-



chlormequat	Whole	0.01	not set	12	-	-
chlorpropham	Whole	0.01	not set	95	-	-
chlorsulfuron	Whole	0.01	not set	95	-	-
chlorthal-dimethyl	Whole	0.01	not set	95	-	-
clethodim	Whole	0.01	0.1	95	0	0
clodinafop acid	Whole	0.01	not set	95	-	-
clodinafop-propargyl	Whole	0.01	not set	95	-	-
clomazone	Whole	0.01	not set	95	-	-
clopyralid	Whole	0.01	not set	95	-	-
cloquintocet-mexyl	Whole	0.01	not set	95	-	-
cyanazine	Whole	0.01	0.01	95	0	0
dicamba	Whole	0.01	not set	95	-	-
dichlobenil	Whole	0.01	not set	95	-	-
dichlorprop-P	Whole	0.01	not set	12	-	-
diclofop-methyl	Whole	0.01	not set	12	-	-
diflufenican	Whole	0.01	0.05	95	0	0
dimethenamid-P	Whole	0.01	0.02	95	0	0
diquat	Whole	0.01	1	12	0	0
diuron	Whole	0.01	0.05	95	0	0
EPTC	Whole	0.01	0.04	95	0	0
ethofumesate	Whole	0.01	not set	95	-	-
fenoxaprop-ethyl	Whole	0.01	not set	95	-	-
flamprop-M-methyl	Whole	0.01	not set	12	-	-
florasulam	Whole	0.01	not set	95	-	-
fluazifop-p-butyl	Whole	0.01	0.5	12	0	0
flumetsulam	Whole	0.01	0.05	95	0	0
flumioxazin	Whole	0.01	0.1	95	0	0
fluroxypyr	Whole	0.01	not set	95	-	-
glufosinate	Whole	0.01	not set	12	-	-
glyphosate	Whole	0.01	5	12	0	0
halauxifen-methyl	Whole	0.01	not set	95	-	-
halosulfuron-methyl	Whole	0.01	not set	95	-	-
haloxyfop	Whole	0.01	0.1	12	1	0
iodosulfuron-methyl	Whole	0.01	not set	95	-	-
ioxynil	Whole	0.01	not set	95	-	-
isoxaben	Whole	0.01	not set	95	-	-
isoxaflutole	Whole	0.01	not set	95	-	-
linuron	Whole	0.01	not set	95	-	-
MCPA	Whole	0.01	not set	95	-	-



MCPB	Whole	0.01	0.02	95	0	0
mefenpyr-diethyl	Whole	0.01	not set	95	-	-
metazachlor	Whole	0.01	0.03	95	0	0
methabenzthiazuron	Whole	0.01	not set	95	-	-
metolachlor	Whole	0.01	0.01	95	0	0
metosulam	Whole	0.01	not set	95	-	-
metribuzin	Whole	0.01	0.01	95	0	0
metsulfuron-methyl	Whole	0.01	not set	95	-	-
napropamide	Whole	0.01	not set	95	-	-
norflurazon	Whole	0.01	not set	95	-	-
oryzalin	Whole	0.01	not set	95	-	-
oxyfluorfen	Whole	0.01	not set	95	-	-
paraquat	Whole	0.01	1	12	0	0
pendimethalin	Whole	0.01	0.05	95	0	0
picloram	Whole	0.01	not set	95	-	-
picolinafen	Whole	0.01	not set	95	-	-
pinoxaden (parent)	Whole	0.01	not set	95	-	-
prometryn	Whole	0.01	0.1	95	0	0
propachlor	Whole	0.01	not set	95	-	-
propaquizafop	Whole	0.01	0.05	12	0	0
propyzamide	Whole	0.01	0.01	95	0	0
prosulfocarb	Whole	0.01	0.01	95	0	0
pyraflufen-ethyl	Whole	0.01	0.02	95	0	0
pyrasulfotole	Whole	0.01	not set	95	-	-
pyroxasulfone	Whole	0.01	0.01	95	0	0
pyroxulam	Whole	0.01	not set	95	-	-
quizalofop-ethyl	Whole	0.01	0.2	12	0	0
quizalofop-P-tefuryl	Whole	0.01	0.2	12	0	0
saflufenacil	Whole	0.01	0.2	95	0	0
sethoxydim	Whole	0.01	0.1	95	0	0
simazine	Whole	0.01	not set	95	-	-
sulfosulfuron	Whole	0.01	not set	95	-	-
terbuthylazine	Whole	0.01	0.02	95	0	0
terbutryn	Whole	0.01	not set	95	-	-
tralkoxydim	Whole	0.01	not set	95	-	-
triallate	Whole	0.01	0.1	95	0	0
triasulfuron	Whole	0.01	not set	95	-	-
tribenuron-methyl	Whole	0.01	not set	95	-	-
triclopyr	Whole	0.01	not set	95	-	-



trifluralin	Whole	0.01	0.05	95	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	95	-	-
acephate	Whole	0.01	not set	95	-	-
acetamiprid	Whole	0.01	0.1	95	0	0
aldicarb	Whole	0.01	not set	95	-	-
amitraz	Whole	0.01	not set	95	-	-
azamethiphos	Whole	0.01	not set	95	-	-
azinphos-methyl	Whole	0.01	not set	95	-	-
bifenazate	Whole	0.01	not set	95	-	-
bifenthrin	Whole	0.01	0.02	95	0	0
bioresmethrin	Whole	0.01	not set	95	-	-
buprofezin	Whole	0.01	0.01	95	0	0
cadusafos	Whole	0.01	not set	95	-	-
carbaryl	Whole	0.01	0.1	95	0	0
carbofuran	Whole	0.01	not set	95	-	-
chlorantraniliprole	Whole	0.01	0.07	95	0	0
chlorfenapyr	Whole	0.01	not set	95	-	-
chlorfenvinphos	Whole	0.01	not set	95	-	-
chlorpyrifos	Whole	0.01	not set	95	-	-
chlorpyrifos-methyl	Whole	0.01	0.15	95	0	0
clofentezine	Whole	0.01	not set	95	-	-
clothianidin	Whole	0.01	0.1	95	0	0
cyantraniliprole	Whole	0.01	0.05	95	0	0
cyfluthrin	Whole	0.01	not set	95	-	-
cyhalothrin	Whole	0.01	0.2	95	0	0
cypermethrin	Whole	0.01	0.05	95	0	0
deltamethrin	Whole	0.01	0.1	95	0	0
diafenthiuron	Whole	0.01	not set	95	-	-
diazinon	Whole	0.01	0.7	95	0	0
dichlorvos	Whole	0.01	0.01	95	0	0
dicofol	Whole	0.01	not set	95	-	-
diflubenzuron	Whole	0.01	not set	95	-	-
dimethoate	Whole	0.01	0.7	95	0	0
disulfoton	Whole	0.01	not set	95	-	-



emamectin	Whole	0.01	0.01	95	0	0
ethion	Whole	0.01	not set	95	-	-
ethoprophos	Whole	0.005	not set	95	-	-
etoxazole	Whole	0.01	not set	95	-	-
fenamiphos	Whole	0.01	not set	95	-	-
fenbutatin oxide	Whole	0.01	not set	95	-	-
fenitrothion	Whole	0.01	0.1	95	0	0
fenoxycarb	Whole	0.01	not set	95	-	-
fenpyroximate	Whole	0.01	not set	95	-	-
fenthion	Whole	0.01	not set	95	-	-
fenvaletrate	Whole	0.01	0.5	95	0	0
fipronil	Whole	0.002	not set	95	-	-
flonicamid	Whole	0.01	not set	95	-	-
hexythiazox	Whole	0.01	not set	95	-	-
imidacloprid	Whole	0.01	0.2	95	0	0
indoxacarb	Whole	0.01	0.2	95	0	0
malathion	Whole	0.01	8	95	0	0
methacrifos	Whole	0.01	not set	95	-	-
methamidophos	Whole	0.01	not set	95	-	-
methidathion	Whole	0.01	not set	95	-	-
methiocarb	Whole	0.01	not set	95	-	-
methomyl	Whole	0.01	1	95	0	0
methoprene	Whole	0.01	not set	95	-	-
methoxychlor	Whole	0.01	not set	95	-	-
methoxyfenozide	Whole	0.01	not set	95	-	-
mevinphos	Whole	0.01	not set	95	-	-
monocrotophos	Whole	0.01	not set	95	-	-
omethoate	Whole	0.01	0.1	95	0	0
parathion	Whole	0.01	not set	95	-	-
parathion-methyl	Whole	0.01	not set	95	-	-
permethrin	Whole	0.01	not set	95	-	-
phenothrin	Whole	0.01	not set	95	-	-
phorate	Whole	0.01	not set	95	-	-
phosmet	Whole	0.01	not set	95	-	-
piperonyl butoxide	Whole	0.01	8	95	0	0
pirimicarb	Whole	0.01	0.02	95	0	0
pirimiphos-methyl	Whole	0.01	not set	95	-	-
profenofos	Whole	0.01	not set	95	-	-
propargite	Whole	0.01	not set	95	-	-



prothiofos	Whole	0.01	not set	95	-	-
pymetrozine	Whole	0.01	not set	95	-	-
pyrethrins	Whole	0.01	1	95	0	0
pyriproxyfen	Whole	0.01	not set	95	-	-
spinetoram	Whole	0.01	0.01	95	0	0
spinosad	Whole	0.01	0.01	95	0	0
spirotetramat	Whole	0.01	not set	95	-	-
sulfoxaflor	Whole	0.01	not set	95	-	-
tau-fluvalinat	Whole	0.01	not set	95	-	-
tebufenozide	Whole	0.01	not set	95	-	-
tebufenpyrad	Whole	0.01	not set	95	-	-
terbufos	Whole	0.01	not set	95	-	-
tetradifon	Whole	0.01	not set	95	-	-
thiacloprid	Whole	0.01	not set	95	-	-
thiamethoxam	Whole	0.01	0.5	95	0	0
thiodicarb	Whole	0.01	0.1	95	0	0
triazofos	Whole	0.01	not set	95	-	-
trichlorfon	Whole	0.01	0.2	95	0	0
triflumuron	Whole	0.01	not set	95	-	-

**Table 5: PHYSIOLOGICAL MODIFIER**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
trinexapac-ethyl	Whole	0.01	not set	95	-	-