



Lentil residue testing annual datasets 2017–18

National Residue Survey, Department of Agriculture and Water Resources

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.

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Table 1 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azoxystrobin	whole	0.01	0.5	170	0	0
benalaxyl	whole	0.01	not set	170	–	0
bitertanol	whole	0.01	not set	170	–	0
boscalid	whole	0.01	3	170	0	0
bupirimate	whole	0.01	not set	170	–	0
captafol	whole	0.02	not set	170	–	0
captan	whole	0.01	0.1	170	0	0
carbendazim	whole	0.01	0.5	170	0	0
chlorothalonil	whole	0.01	3	170	0	0
cyproconazole	whole	0.01	0.07	170	0	0
cyprodinil	whole	0.01	not set	170	–	0
difenoconazole	whole	0.01	not set	170	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	170	–	0
dithianon	whole	0.01	not set	170	–	0
dodine	whole	0.01	not set	170	–	0
epoxiconazole	whole	0.01	not set	170	–	0
etridiazole	whole	0.01	0.2	170	0	0
fenarimol	whole	0.01	not set	170	–	0
fenhexamid	whole	0.01	not set	170	–	0
fluazinam	whole	0.01	not set	170	–	0
fludioxonil	whole	0.01	not set	170	–	0
fluquinconazole	whole	0.01	not set	170	–	0
flusilazole	whole	0.01	not set	170	–	0
flutriafol	whole	0.01	0.05	170	0	0
fluxapyroxad	whole	0.01	0.01	170	0	0
hexaconazole	whole	0.01	not set	170	–	0
imazalil	whole	0.01	not set	170	–	0
ipconazole	whole	0.01	not set	170	–	0
iprodione	whole	0.01	not set	170	–	0
kresoxim-methyl	whole	0.01	not set	170	–	0
metalaxyl	whole	0.01	not set	170	–	0
myclobutanil	whole	0.01	not set	170	–	0
oxadixyl	whole	0.01	not set	170	–	0
penconazole	whole	0.01	not set	170	–	0
prochloraz	whole	0.01	not set	170	–	0
procymidone	whole	0.01	0.5	170	0	0
propiconazole	whole	0.01	0.3	170	0	0
prothioconazole	whole	0.01	0.7	170	0	0
pyraclostrobin	whole	0.01	0.5	170	0	0
pyrimethanil	whole	0.01	not set	170	–	0
quinoxifen	whole	0.01	not set	170	–	0
spiroxamine-P	whole	0.01	not set	170	–	0
tebuconazole	whole	0.01	1	170	0	0
thiabendazole-P	whole	0.01	not set	170	–	0
tolclofos methyl	whole	0.01	not set	170	–	0
triadimefon	whole	0.01	not set	170	–	0
triadimenol	whole	0.01	not set	170	–	0
trifloxystrobin	whole	0.01	0.01	170	0	0
triticonazole	whole	0.01	not set	170	–	0
vinclozolin	whole	0.01	not set	170	–	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	170	-	0
2,4-D	whole	0.01	0.05	170	0	0
amitrole	whole	0.01	0.01	25	0	0
atrazine	whole	0.01	not set	170	-	0
bromacil	whole	0.01	not set	170	-	0
bromoxynil	whole	0.01	not set	170	-	0
carfentrazone-ethyl	whole	0.01	not set	170	-	0
chlorpropham	whole	0.01	not set	170	-	0
chlorsulfuron	whole	0.01	not set	170	-	0
chlorthal-dimethyl	whole	0.01	not set	170	-	0
clethodim (parent only)	whole	0.01	0.1	170	0	0
clodinafop-propargyl	whole	0.01	not set	170	-	0
clopyralid	whole	0.01	not set	170	-	0
cyanazine	whole	0.01	0.01	170	0	0
dicamba	whole	0.01	not set	170	-	0
dichlobenil	whole	0.01	not set	170	-	0
dichlorprop-P	whole	0.01	not set	170	-	0
diclofop-methyl	whole	0.01	not set	25	-	0
diflufenican	whole	0.01	0.05	170	0	0
diquat	whole	0.01	1	25	0	0
diuron	whole	0.01	0.05	170	0	0
ethofumesate	whole	0.01	not set	170	-	0
fenoxaprop-ethyl	whole	0.01	not set	25	-	0
flamprop-M-methyl	whole	0.01	not set	25	-	0
fluazifop-p-butyl	whole	0.01	0.5	25	0	0
flumetsulam	whole	0.01	0.05	170	0	0
glufosinate	whole	0.01	not set	25	-	0
glyphosate	whole	0.01	5	25	0	0
haloxyfop	whole	0.01	0.1	25	0	0
imazamox	whole	0.01	not set	170	-	0
imazapic	whole	0.01	not set	170	-	0
imazapyr	whole	0.01	not set	170	-	0
imazaquin	whole	0.01	not set	170	-	0
imazethapyr	whole	0.01	0.1	170	0	0
iodosulfuron-methyl	whole	0.01	not set	170	-	0
ioxynil	whole	0.01	not set	170	-	0
isoxaben	whole	0.01	not set	170	-	0
linuron	whole	0.01	not set	170	-	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	170	–	0
methabenzthiazuron	whole	0.01	not set	170	–	0
metolachlor	whole	0.01	0.01	170	0	0
metosulam	whole	0.01	not set	170	–	0
metribuzin	whole	0.01	0.01	170	0	0
metsulfuron-methyl	whole	0.01	not set	170	–	0
napropamide	whole	0.01	not set	170	–	0
norflurazon	whole	0.01	not set	170	–	0
oryzalin	whole	0.01	not set	170	–	0
oxyfluorfen	whole	0.01	not set	170	–	0
paraquat	whole	0.01	1	25	0	0
pendimethalin	whole	0.01	0.05	170	0	0
picloram	whole	0.01	not set	170	–	0
propachlor	whole	0.01	not set	170	–	0
propyzamide	whole	0.01	0.01	170	0	0
quizalofop-ethyl	whole	0.01	0.2	25	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	25	0	0
saflufenacil	whole	0.01	0.2	170	0	0
sethoxydim	whole	0.01	0.1	170	0	0
simazine	whole	0.01	not set	170	–	0
tralkoxydim	whole	0.01	not set	170	–	0
triasulfuron	whole	0.01	not set	170	–	0
triclopyr	whole	0.01	not set	170	–	0
trifluralin	whole	0.01	0.05	170	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	170	–	0
emamectin	whole	0.01	0.01	170	0	0
acephate	whole	0.01	not set	170	–	0
acetamiprid-P	whole	0.01	not set	170	–	0
aldicarb	whole	0.01	not set	170	–	0
amitraz	whole	0.01	not set	170	–	0
azamethiphos	whole	0.01	not set	170	–	0
azinphos-methyl	whole	0.01	not set	170	–	0
bifenazate	whole	0.01	not set	170	–	0
bifenthrin	whole	0.01	0.02	170	0	0
bioresmethrin	whole	0.01	not set	170	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
buprofezin	whole	0.01	not set	170	–	0
cadusafos	whole	0.01	not set	170	–	0
carbaryl	whole	0.01	0.1	170	0	0
carbofuran	whole	0.01	not set	170	–	0
chlorantraniliprole	whole	0.01	0.07	170	0	0
chlorfenapyr	whole	0.01	not set	170	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	170	–	0
chlorpyrifos	whole	0.01	not set	170	–	0
chlorpyrifos-methyl	whole	0.01	0.15	170	0	0
clofentezine	whole	0.01	not set	170	–	0
clothianidin	whole	0.01	not set	170	–	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	170	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	170	0	0
cypermethrin (sum of isomers)	whole	0.01	0.05	170	0	0
deltamethrin	whole	0.01	0.1	170	0	0
diafenthiuron	whole	0.01	not set	170	–	0
diazinon	whole	0.01	0.7	170	0	0
dichlorvos	whole	0.01	0.01	170	0	0
dicofol	whole	0.01	not set	170	–	0
diflubenzuron	whole	0.01	not set	170	–	0
dimethoate	whole	0.01	0.5	170	0	0
disulfoton	whole	0.01	not set	170	–	0
esfenvalerate	whole	0.01	0.5	170	0	0
ethion	whole	0.01	not set	170	–	0
ethoprophos	whole	0.005	not set	170	–	0
etoxazole	whole	0.01	not set	170	–	0
fenamiphos	whole	0.01	not set	170	–	0
fenbutatin oxide	whole	0.01	not set	170	–	0
fenitrothion	whole	0.01	0.1	170	0	0
fenoxycarb	whole	0.01	not set	170	–	0
fenpyroximate	whole	0.01	not set	170	–	0
fenthion	whole	0.01	not set	170	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	170	0	0
fipronil	whole	0.002	not set	170	–	0
hexythiazox	whole	0.01	not set	170	–	0
imidacloprid	whole	0.01	0.2	170	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	0.2	170	0	0
malathion (maldison)	whole	0.01	8	170	0	0
methacrifos	whole	0.01	not set	170	-	0
methamidophos	whole	0.01	not set	170	-	0
methidathion	whole	0.01	not set	170	-	0
methiocarb	whole	0.01	not set	170	-	0
methomyl	whole	0.01	1	170	0	0
methoprene	whole	0.01	not set	170	-	0
methoxychlor	whole	0.01	not set	170	-	0
methoxyfenozide	whole	0.01	not set	170	-	0
mevinphos	whole	0.01	not set	170	-	0
monocrotophos	whole	0.01	not set	170	-	0
omethoate	whole	0.01	2	170	0	0
parathion	whole	0.01	not set	170	-	0
parathion-methyl	whole	0.01	not set	170	-	0
permethrin (sum of isomers)	whole	0.01	not set	170	-	0
phenothrin (sum of isomers)	whole	0.01	not set	170	-	0
phorate	whole	0.01	not set	170	-	0
phosmet	whole	0.01	not set	170	-	0
piperonyl butoxide	whole	0.01	8	170	0	0
pirimicarb	whole	0.01	0.02	170	0	0
pirimiphos-methyl	whole	0.01	not set	170	-	0
profenofos	whole	0.01	not set	170	-	0
propargite	whole	0.01	not set	170	-	0
prothiofos	whole	0.01	not set	170	-	0
pymetrozine	whole	0.01	not set	170	-	0
pyrethrins	whole	0.01	1	170	0	0
pyriproxyfen	whole	0.01	not set	170	-	0
spinetoram	whole	0.01	0.01	170	0	0
spinosad	whole	0.01	0.01	170	0	0
spirotetramat	whole	0.01	not set	170	-	0
sulfoxaflor	whole	0.01	not set	170	-	0
tau-fluvalinate	whole	0.01	not set	170	-	0
tebufenozide	whole	0.01	not set	170	-	0
tebufenpyrad	whole	0.01	not set	170	-	0
terbufos	whole	0.01	not set	170	-	0
tetradifon	whole	0.01	not set	170	-	0
thiacloprid	whole	0.01	not set	170	-	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	not set	170	–	0
thiodicarb	whole	0.01	0.1	170	0	0
triazofos	whole	0.01	not set	170	–	0
trichlorfon	whole	0.01	0.2	170	0	0
triflumuron	whole	0.01	not set	170	–	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	170	–	0
chlordane	whole	0.01	0.02	170	0	0
DDT	whole	0.01	1	170	0	0
endosulfan	whole	0.01	not set	170	–	0
endrin	whole	0.01	not set	170	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	170	–	0
HCH (BHC)	whole	0.01	not set	170	–	0
heptachlor	whole	0.01	0.05	170	0	0
lindane (gamma-HCH)	whole	0.01	2	170	0	0
mirex	whole	0.01	not set	170	–	0