



Lentil residue testing annual datasets 2016–17

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	805	0	0
benalaxyl	whole	0.01	not set	805	–	0
bitertanol	whole	0.01	not set	805	–	0
boscalid	whole	0.01	3	805	0	0
bupirimate	whole	0.01	not set	805	–	0
captafol	whole	0.02	not set	805	–	0
captan	whole	0.01	0.1	805	0	0
carbendazim	whole	0.01	0.5	805	0	0
chlorothalonil	whole	0.01	3	805	0	0
cyproconazole	whole	0.01	0.07	805	0	0
cyprodinil	whole	0.01	not set	805	–	0
difenoconazole	whole	0.01	not set	805	–	0

Lentil residue testing annual datasets 2016–17

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	805	–	0
dithianon	whole	0.01	not set	805	–	0
dodine	whole	0.01	not set	805	–	0
epoxiconazole	whole	0.01	not set	805	–	0
etridiazole	whole	0.01	0.2	805	0	0
fenarimol	whole	0.01	not set	805	–	0
fenhexamid	whole	0.01	not set	805	–	0
fluazinam	whole	0.01	not set	805	–	0
fludioxonil	whole	0.01	not set	805	–	0
fluquinconazole	whole	0.01	not set	805	–	0
flusilazole	whole	0.01	not set	805	–	0
flutriafol	whole	0.01	not set	805	–	1
fluxapyroxad	whole	0.01	0.1	805	0	0
hexaconazole	whole	0.01	not set	805	–	0
imazalil	whole	0.01	not set	805	–	0
ipconazole	whole	0.01	not set	805	–	0
iprodione	whole	0.01	not set	805	–	0
kresoxim-methyl	whole	0.01	not set	805	–	0
metalaxyl	whole	0.01	not set	805	–	0
myclobutanil	whole	0.01	not set	805	–	0
oxadixyl	whole	0.01	not set	805	–	0
penconazole	whole	0.01	not set	805	–	0
prochloraz	whole	0.01	not set	805	–	0
procymidone	whole	0.01	0.5	805	0	0
propiconazole	whole	0.01	0.3	805	0	0
prothioconazole	whole	0.01	0.7	805	0	0
pyraclostrobin	whole	0.01	0.5	805	0	0
pyrimethanil	whole	0.01	not set	805	–	0
quinoxifen	whole	0.01	not set	805	–	0
spiroxamine-P	whole	0.01	not set	805	–	0
tebuconazole	whole	0.01	1	805	0	0
thiabendazole	whole	0.01	not set	805	–	0
tolclofos methyl	whole	0.01	not set	805	–	0
triadimefon	whole	0.01	not set	805	–	0
triadimenol	whole	0.01	not set	805	–	0
trifloxystrobin	whole	0.01	not set	805	–	0
triticonazole	whole	0.01	not set	805	–	0
vinclozolin	whole	0.01	not set	805	–	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	805	-	0
2,4-D	whole	0.01	0.05	805	0	0
amitrole	whole	0.01	0.01	48	0	0
atrazine	whole	0.01	not set	805	-	0
bromacil	whole	0.01	not set	805	-	0
bromoxynil	whole	0.01	not set	805	-	0
carfentrazone-ethyl	whole	0.01	not set	805	-	0
chlorpropham	whole	0.01	not set	805	-	0
chlorsulfuron	whole	0.01	not set	805	-	0
chlorthal-dimethyl	whole	0.01	not set	805	-	0
clethodim (parent only)	whole	0.01	0.1	805	0	0
clodinafop-propargyl	whole	0.01	not set	805	-	0
clopyralid	whole	0.01	not set	805	-	0
cyanazine	whole	0.01	0.01	805	0	0
dicamba	whole	0.01	not set	805	-	0
dichlobenil	whole	0.01	not set	805	-	0
dichlorprop-P	whole	0.01	not set	805	-	0
diclofop-methyl	whole	0.01	not set	48	-	0
diflufenican	whole	0.01	0.05	805	0	0
diquat	whole	0.01	1	48	0	0
diuron	whole	0.01	0.05	805	0	0
ethofumesate	whole	0.01	not set	805	-	0
fenoxaprop-ethyl	whole	0.01	not set	48	-	0
flamprop-M-methyl	whole	0.01	not set	48	-	0
fluazifop-p-butyl	whole	0.01	0.5	48	0	0
flumetsulam	whole	0.01	0.05	805	0	0
glufosinate	whole	0.01	not set	48	-	0
glyphosate	whole	0.01	5	48	0	0
haloxyfop	whole	0.01	0.1	48	1	0
imazamox	whole	0.01	not set	805	-	0
imazapic	whole	0.01	not set	805	-	0
imazapyr	whole	0.01	not set	805	-	0
imazaquin	whole	0.01	not set	805	-	0
imazethapyr	whole	0.01	0.1	805	0	0
iodosulfuron-methyl	whole	0.01	not set	805	-	0
ioxynil	whole	0.01	not set	805	-	0
isoxaben	whole	0.01	not set	805	-	0
linuron	whole	0.01	not set	805	-	0

Lentil residue testing annual datasets 2016–17

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	805	–	0
methabenzthiazuron	whole	0.01	not set	805	–	0
metolachlor	whole	0.01	0.01	805	0	0
metosulam	whole	0.01	not set	805	–	0
metribuzin	whole	0.01	0.01	805	0	0
metsulfuron-methyl	whole	0.01	not set	805	–	0
napropamide	whole	0.01	not set	805	–	0
norflurazon	whole	0.01	not set	805	–	0
oryzalin	whole	0.01	not set	805	–	0
oxyfluorfen	whole	0.01	not set	805	–	0
paraquat	whole	0.01	1	48	0	0
pendimethalin	whole	0.01	0.05	805	0	0
picloram	whole	0.01	not set	805	–	0
propachlor	whole	0.01	not set	805	–	0
propyzamide	whole	0.01	0.01	805	0	0
quizalofop-ethyl	whole	0.01	0.2	48	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	48	0	0
saflufenacil	whole	0.01	0.2	805	0	0
sethoxydim	whole	0.01	0.1	805	0	0
simazine	whole	0.01	not set	805	–	0
tralkoxydim	whole	0.01	not set	805	–	0
triasulfuron	whole	0.01	not set	805	–	0
triclopyr	whole	0.01	not set	805	–	0
trifluralin	whole	0.01	0.05	805	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	805	–	0
acephate	whole	0.01	not set	805	–	0
acetamiprid	whole	0.01	not set	805	–	0
aldicarb	whole	0.01	not set	805	–	0
amitraz	whole	0.01	not set	805	–	0
azamethiphos	whole	0.01	not set	805	–	0
azinphos-methyl	whole	0.01	not set	805	–	0
bifenazate	whole	0.01	not set	805	–	0
bifenthrin	whole	0.01	0.02	805	0	0
bioresmethrin	whole	0.01	not set	805	–	0
buprofezin	whole	0.01	not set	805	–	0

Lentil residue testing annual datasets 2016–17

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	805	–	0
carbaryl	whole	0.01	0.1	805	0	0
carbofuran	whole	0.01	not set	805	–	0
chlorantraniliprole	whole	0.01	0.01	805	0	0
chlorfenapyr	whole	0.01	not set	805	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	805	–	0
chlorpyrifos	whole	0.01	not set	805	–	0
chlorpyrifos-methyl	whole	0.01	not set	805	–	0
clofentezine	whole	0.01	not set	805	–	0
clothianidin	whole	0.01	not set	805	–	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	805	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	805	0	0
cypermethrin (sum of isomers)	whole	0.01	0.05	805	0	0
deltamethrin	whole	0.01	0.1	805	0	0
diafenthiuron	whole	0.01	not set	805	–	0
diazinon	whole	0.01	0.7	805	0	0
dichlorvos	whole	0.01	0.01	805	0	0
dicofol	whole	0.01	not set	805	–	0
diflubenzuron	whole	0.01	not set	805	–	0
dimethoate	whole	0.01	0.5	805	0	0
disulfoton	whole	0.01	not set	805	–	0
emamectin	whole	0.01	0.01	805	0	0
esfenvalerate	whole	0.01	0.5	805	0	0
ethion	whole	0.01	not set	805	–	0
ethoprophos	whole	0.005	not set	805	–	0
etoxazole	whole	0.01	not set	805	–	0
fenamiphos	whole	0.01	not set	805	–	0
fenbutatin oxide	whole	0.01	not set	805	–	0
fenitrothion	whole	0.01	0.1	805	0	0
fenoxycarb	whole	0.01	not set	805	–	0
fenpyroximate	whole	0.01	not set	805	–	0
fenthion	whole	0.01	not set	805	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	805	0	0
fipronil	whole	0.002	not set	805	–	0
hexythiazox	whole	0.01	not set	805	–	0
imidacloprid	whole	0.01	0.2	805	0	0

Lentil residue testing annual datasets 2016–17

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	0.2	805	0	0
malathion (maldison)	whole	0.01	8	805	0	0
methacrifos	whole	0.01	not set	805	-	0
methamidophos	whole	0.01	not set	805	-	0
methidathion	whole	0.01	not set	805	-	0
methiocarb	whole	0.01	not set	805	-	0
methomyl	whole	0.01	1	805	0	0
methoprene	whole	0.01	not set	805	-	0
methoxychlor	whole	0.01	not set	805	-	0
methoxyfenozide	whole	0.01	not set	805	-	0
mevinphos	whole	0.01	not set	805	-	0
monocrotophos	whole	0.01	not set	805	-	0
omethoate	whole	0.01	2	805	0	0
parathion	whole	0.01	not set	805	-	0
parathion-methyl	whole	0.01	not set	805	-	0
permethrin (sum of isomers)	whole	0.01	not set	805	-	0
phenothrin (sum of isomers)	whole	0.01	not set	805	-	0
phorate	whole	0.01	not set	805	-	0
phosmet	whole	0.01	not set	805	-	0
piperonyl butoxide	whole	0.01	8	805	0	0
pirimicarb	whole	0.01	0.02	805	0	0
pirimiphos-methyl	whole	0.01	not set	805	-	0
profenofos	whole	0.01	not set	805	-	0
propargite	whole	0.01	not set	805	-	0
prothiofos	whole	0.01	not set	805	-	0
pymetrozine	whole	0.01	not set	805	-	0
pyrethrins	whole	0.01	1	805	0	0
pyriproxyfen	whole	0.01	not set	805	-	0
spinetoram	whole	0.01	0.01	805	0	0
spinosad	whole	0.01	0.01	805	0	0
spirotetramat	whole	0.01	not set	805	-	0
sulfoxaflor	whole	0.01	not set	805	-	0
tau-fluvalinate	whole	0.01	not set	805	-	0
tebufenozide	whole	0.01	not set	805	-	0
tebufenpyrad	whole	0.01	not set	805	-	0
terbufos	whole	0.01	not set	805	-	0
tetradifon	whole	0.01	not set	805	-	0
thiacloprid	whole	0.01	not set	805	-	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	805	–	0
thiodicarb	whole	0.01	0.1	805	0	0
triazofos	whole	0.01	not set	805	–	0
trichlorfon	whole	0.01	0.2	805	0	0
triflumuron	whole	0.01	not set	805	–	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	805	–	0
chlordane	whole	0.01	0.02	805	0	0
DDT	whole	0.01	1	805	0	0
endosulfan	whole	0.01	not set	805	–	0
endrin	whole	0.01	not set	805	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	805	–	0
HCH (BHC)	whole	0.01	not set	805	–	0
heptachlor	whole	0.01	0.05	805	0	0
lindane (gamma-HCH)	whole	0.01	2	805	0	0
mirex	whole	0.01	not set	805	–	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	whole	0.005	0.01	38	0	0