



Lupin residue testing annual datasets 2018–19

National Residue Survey, Department of Agriculture

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	0.3	74	0	0
benalaxyl	whole	0.01	not set	74	–	0
bitertanol	whole	0.01	not set	74	–	0
bixafen-P	whole	0.01	0.1	44	0	0
boscalid	whole	0.01	0.5	74	0	0
bupirimate	whole	0.01	not set	74	–	0
captafol	whole	0.02	not set	74	–	0
captan	whole	0.01	not set	74	–	0
carbendazim	whole	0.01	0.5	74	0	0
carboxin	whole	0.01	not set	44	–	0
chlorothalonil	whole	0.01	3	74	0	0
cyproconazole	whole	0.01	not set	74	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyprodinil	whole	0.01	not set	74	–	0
difenoconazole	whole	0.01	not set	74	–	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	74	–	0
dithianon	whole	0.01	not set	74	–	0
dodine	whole	0.01	not set	74	–	0
epoxiconazole	whole	0.01	not set	74	–	0
etridiazole	whole	0.01	0.2	74	0	0
fenarimol	whole	0.01	not set	74	–	0
fenbuconazole	whole	0.01	not set	44	–	0
fenhexamid	whole	0.01	not set	74	–	0
fluazinam	whole	0.01	not set	74	–	0
fludioxonil	whole	0.01	not set	74	–	0
fluquinconazole	whole	0.01	not set	74	–	0
flusilazole	whole	0.01	not set	74	–	0
flutriafol	whole	0.01	0.05	74	0	0
fluxapyroxad	whole	0.01	0.1	74	0	0
hexaconazole	whole	0.01	not set	74	–	0
imazalil	whole	0.01	not set	74	–	0
ipconazole	whole	0.01	not set	74	–	0
iprodione	whole	0.01	0.1	74	0	0
isoprothiolane	whole	0.01	not set	44	–	0
kresoxim-methyl	whole	0.01	not set	74	–	0
metalaxyl	whole	0.01	not set	74	–	0
myclobutanil	whole	0.01	not set	74	–	0
oxadixyl	whole	0.01	not set	74	–	0
penconazole	whole	0.01	not set	74	–	0
penflufen	whole	0.01	0.01	44	0	0
prochloraz	whole	0.01	not set	74	–	0
procymidone	whole	0.01	0.01	74	0	0
propiconazole	whole	0.01	0.3	74	0	0
prothioconazole	whole	0.01	0.7	74	0	0
pyraclostrobin	whole	0.01	not set	74	–	0
pyrimethanil	whole	0.01	not set	74	–	0
quinoxifen	whole	0.01	not set	74	–	0
sedaxane	whole	0.01	not set	44	–	0
spiroxamine-P	whole	0.01	not set	74	–	0
tebuconazole	whole	0.01	1	74	0	0
thiabendazole-P	whole	0.01	not set	74	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tolclofos methyl	whole	0.01	not set	74	–	0
triadimefon	whole	0.01	not set	74	–	0
triadimenol	whole	0.01	not set	74	–	0
trifloxystrobin	whole	0.01	not set	74	–	0
triticonazole	whole	0.01	not set	74	–	0
vinclozolin	whole	0.01	not set	74	–	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	74	–	0
2,4-D	whole	0.01	0.05	74	0	0
2,4-DB	whole	0.01	not set	44	–	0
aminopyralid	whole	0.01	not set	44	–	0
amitrole	whole	0.01	0.01	12	0	0
atrazine	whole	0.01	0.02	74	0	0
bentazone	whole	0.01	0.01	44	0	0
bromacil	whole	0.01	not set	74	–	0
bromoxynil	whole	0.01	not set	74	–	0
butoxydim	whole	0.01	0.01	44	0	0
carfentrazone-ethyl	whole	0.01	not set	74	–	0
chlorpropham	whole	0.01	not set	74	–	0
chlorsulfuron	whole	0.01	not set	74	–	0
chlorthal-dimethyl	whole	0.01	not set	74	–	0
clethodim (parent only)	whole	0.01	0.2	74	0	0
clodinafop-propargyl	whole	0.01	not set	74	–	0
clopyralid	whole	0.01	not set	74	–	0
cyanazine	whole	0.01	0.01	74	0	0
dicamba	whole	0.01	not set	74	–	0
dichlobenil	whole	0.01	not set	74	–	0
dichlorprop-P	whole	0.02	not set	49	–	0
diclofop-methyl	whole	0.01	0.1	12	0	0
diflufenican	whole	0.01	0.05	74	0	0
diquat	whole	0.01	1	12	0	0
diuron	whole	0.01	0.05	74	0	0
ethofumesate	whole	0.01	not set	74	–	0
fenoxaprop-ethyl	whole	0.01	not set	12	–	0
flamprop-M-methyl	whole	0.01	not set	12	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
fluazifop-p-butyl	whole	0.01	0.1	12	0	0
flumetsulam	whole	0.01	0.05	74	0	0
flumioxazin	whole	0.01	0.1	44	0	0
fluroxypyr	whole	0.01	not set	44	–	0
glufosinate	whole	0.01	not set	12	–	0
glyphosate	whole	0.01	5	12	0	0
haloxyfop	whole	0.01	0.1	12	0	0
imazamox	whole	0.01	not set	74	–	0
imazapic	whole	0.01	not set	74	–	0
imazapyr	whole	0.01	not set	74	–	0
imazaquin	whole	0.01	not set	74	–	0
imazethapyr	whole	0.01	0.1	74	0	0
iodosulfuron-methyl	whole	0.01	not set	74	–	0
ioxynil	whole	0.01	not set	74	–	0
isoxaben	whole	0.01	not set	74	–	0
linuron	whole	0.01	not set	74	–	0
MCPA	whole	0.01	not set	74	–	0
methabenzthiazuron	whole	0.01	not set	74	–	0
metolachlor	whole	0.01	0.01	74	0	0
metosulam	whole	0.01	0.02	74	0	0
metribuzin	whole	0.01	0.01	74	0	0
metsulfuron-methyl	whole	0.01	not set	74	–	0
napropamide	whole	0.01	not set	74	–	0
norflurazon	whole	0.01	not set	74	–	0
oryzalin	whole	0.01	not set	74	–	0
oxyfluorfen	whole	0.01	not set	74	–	0
paraquat	whole	0.01	1	12	0	0
pendimethalin	whole	0.01	0.05	74	0	0
picloram	whole	0.01	not set	74	–	0
propachlor	whole	0.01	not set	74	–	0
propaquizafop	whole	0.02	0.05	2	0	0
propyzamide	whole	0.01	0.01	74	0	0
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	74	0	0
sethoxydim	whole	0.01	0.2	74	0	0
simazine	whole	0.01	0.05	74	0	0
terbutryn	whole	0.01	not set	44	–	0
tralkoxydim	whole	0.01	not set	74	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triallate	whole	0.01	0.1	44	0	0
triasulfuron	whole	0.01	not set	74	–	0
triclopyr	whole	0.01	not set	74	–	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	74	–	0
acephate	whole	0.01	not set	74	–	0
acephate	whole	0.01	not set	74	–	0
acetamiprid-P	whole	0.01	not set	74	–	0
acetamiprid-P	whole	0.01	not set	74	–	0
aldicarb	whole	0.01	not set	74	–	0
amitraz	whole	0.01	not set	74	–	0
azamethiphos	whole	0.01	not set	74	–	0
azinphos-methyl	whole	0.01	not set	74	–	0
bifenazate	whole	0.01	not set	74	–	0
bifenthrin	whole	0.01	0.02	74	0	0
bioresmethrin	whole	0.01	not set	74	–	0
buprofezin	whole	0.01	not set	74	–	0
cadusafos	whole	0.01	not set	74	–	0
carbaryl	whole	0.01	0.1	74	0	0
carbofuran	whole	0.01	not set	74	–	0
chlorantraniliprole	whole	0.01	0.07	74	0	0
chlorfenapyr	whole	0.01	not set	74	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	74	–	0
chlorpyrifos	whole	0.01	not set	74	–	0
chlorpyrifos-methyl	whole	0.01	0.15	74	0	0
clofentezine	whole	0.01	not set	74	–	0
clothianidin	whole	0.01	not set	74	–	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	74	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	74	0	0
cypermethrin (sum of isomers)	whole	0.01	0.01	74	0	0
deltamethrin	whole	0.01	0.1	74	0	0
diafenthiuron	whole	0.01	not set	74	–	0
diazinon	whole	0.01	0.7	74	0	0
dichlorvos	whole	0.01	0.01	74	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dicofol	whole	0.01	not set	74	–	0
diflubenzuron	whole	0.01	not set	74	–	0
dimethoate	whole	0.01	0.5	74	0	0
disulfoton	whole	0.01	not set	74	–	0
emamectin	whole	0.01	0.01	74	0	0
esfenvalerate	whole	0.01	0.5	74	0	0
ethion	whole	0.01	not set	74	–	0
ethoprophos	whole	0.005	not set	74	–	0
etoxazole	whole	0.01	not set	74	–	0
fenamiphos	whole	0.01	not set	74	–	0
fenbutatin oxide	whole	0.01	not set	74	–	0
fenitrothion	whole	0.01	0.1	74	0	0
fenoxycarb	whole	0.01	not set	74	–	0
fenpyroximate	whole	0.01	not set	74	–	0
fenthion	whole	0.01	not set	74	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	74	0	0
fipronil	whole	0.002	not set	74	–	0
hexythiazox	whole	0.01	not set	74	–	0
imidacloprid	whole	0.01	0.2	74	0	0
indoxacarb	whole	0.01	0.2	74	0	0
malathion (maldison)	whole	0.01	2	74	0	0
methacrifos	whole	0.01	not set	74	–	0
methamidophos	whole	0.01	not set	74	–	0
methidathion	whole	0.01	not set	74	–	0
methiocarb	whole	0.01	not set	74	–	0
methomyl	whole	0.01	1	74	0	0
methoprene	whole	0.01	not set	74	–	0
methoxychlor	whole	0.01	not set	74	–	0
methoxyfenozide	whole	0.01	not set	74	–	0
mevinphos	whole	0.01	not set	74	–	0
monocrotophos	whole	0.01	not set	74	–	0
omethoate	whole	0.01	0.1	74	0	0
parathion	whole	0.01	not set	74	–	0
parathion-methyl	whole	0.01	not set	74	–	0
permethrin (sum of isomers)	whole	0.01	not set	74	–	0
phenothrin (sum of isomers)	whole	0.01	not set	74	–	0
phorate	whole	0.01	not set	74	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosmet	whole	0.01	not set	74	–	0
piperonyl butoxide	whole	0.01	not set	74	–	0
pirimicarb	whole	0.01	0.02	74	0	0
pirimiphos-methyl	whole	0.01	not set	74	–	0
profenofos	whole	0.01	not set	74	–	0
propargite	whole	0.01	not set	74	–	0
prothiofos	whole	0.01	not set	74	–	0
pymetrozine	whole	0.01	0.02	74	0	0
pyrethrins	whole	0.01	1	74	0	0
pyriproxyfen	whole	0.01	not set	74	–	0
spinetoram	whole	0.01	0.01	74	0	0
spinosad	whole	0.01	0.01	74	0	0
spirotetramat	whole	0.01	not set	74	–	0
sulfoxaflor	whole	0.01	not set	74	–	0
tau-fluvalinate	whole	0.01	not set	74	–	0
tebufenozide	whole	0.01	not set	74	–	0
tebufenpyrad	whole	0.01	not set	74	–	0
terbufos	whole	0.01	not set	74	–	0
tetradifon	whole	0.01	not set	74	–	0
thiacloprid	whole	0.01	not set	74	–	0
thiamethoxam	whole	0.01	not set	74	–	0
thiodicarb	whole	0.01	0.1	74	0	0
triazofos	whole	0.01	not set	74	–	0
trichlorfon	whole	0.01	0.2	74	0	0
triflumuron	whole	0.01	not set	74	–	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	74	–	0
chlordane	whole	0.01	0.02	74	0	0
DDT	whole	0.01	1	74	0	0
endosulfan	whole	0.01	not set	74	–	0
endrin	whole	0.01	not set	74	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	74	–	0
HCH (BHC)	whole	0.01	not set	74	–	0
heptachlor	whole	0.01	0.05	74	0	0
lindane (gamma-HCH)	whole	0.01	2	74	0	0

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mirex	whole	0.01	not set	74	–	0