



Lupin residue testing annual datasets 2019–20

National Residue Survey, Department of Agriculture, Water and the Environment

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	39	0	0
benalaxyl	whole	0.01	not set	39	–	0
bitertanol	whole	0.01	not set	39	–	0
bixafen	whole	0.01	0.1	39	0	0
boscalid	whole	0.01	0.5	39	0	0
bupirimate	whole	0.01	not set	39	–	0
captafol	whole	0.02	not set	39	–	0
captan	whole	0.01	not set	39	–	0
carbendazim	whole	0.01	0.5	39	0	0
carboxin	whole	0.01	not set	39	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorothalonil	whole	0.01	3	39	0	0
cyproconazole	whole	0.01	not set	39	–	0
cyprodinil	whole	0.01	not set	39	–	0
difenoconazole	whole	0.01	not set	39	–	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	39	–	0
dithianon	whole	0.01	not set	39	–	0
dodine	whole	0.01	not set	39	–	0
epoxiconazole	whole	0.01	not set	39	–	0
etridiazole	whole	0.01	0.2	39	0	0
fenarimol	whole	0.01	not set	39	–	0
fenbuconazole	whole	0.01	not set	39	–	0
fenhexamid	whole	0.01	not set	39	–	0
fluazinam	whole	0.01	not set	39	–	0
fludioxonil	whole	0.01	0.1	39	0	0
fluquinconazole	whole	0.01	not set	39	–	0
flusilazole	whole	0.01	not set	39	–	0
flutriafol	whole	0.01	0.05	39	0	0
fluxapyroxad	whole	0.01	0.1	39	0	0
hexaconazole	whole	0.01	not set	39	–	0
imazalil	whole	0.01	not set	39	–	0
ipconazole	whole	0.01	not set	39	–	0
iprodione	whole	0.01	0.1	39	0	0
isoprothiolane	whole	0.01	not set	39	–	0
kresoxim-methyl	whole	0.01	not set	39	–	0
metalaxyl	whole	0.01	not set	39	–	0
myclobutanil	whole	0.01	not set	39	–	0
oxadixyl	whole	0.01	not set	39	–	0
penconazole	whole	0.01	not set	39	–	0
penflufen	whole	0.01	0.01	39	0	0
prochloraz	whole	0.01	not set	39	–	0
procymidone	whole	0.01	0.01	39	0	0
propiconazole	whole	0.01	0.3	39	0	0
prothioconazole	whole	0.01	0.7	39	0	0
pyraclostrobin	whole	0.01	not set	39	–	0
pyrimethanil	whole	0.01	not set	39	–	0
quinoxifen	whole	0.01	not set	39	–	0
sedaxane	whole	0.01	not set	39	–	0
spiroxamine	whole	0.01	not set	39	–	0
tebuconazole	whole	0.01	1	39	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiabendazole	whole	0.01	not set	39	–	0
tolclofos methyl	whole	0.01	not set	39	–	0
triadimefon	whole	0.01	not set	39	–	0
triadimenol	whole	0.01	not set	39	–	0
trifloxystrobin	whole	0.01	not set	39	–	0
triticonazole	whole	0.01	not set	39	–	0
vinclozolin	whole	0.01	not set	39	–	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	39	–	0
2,4-D	whole	0.01	0.05	39	0	0
2,4-DB	whole	0.01	not set	39	–	0
aminopyralid	whole	0.01	not set	39	–	0
amitrole	whole	0.01	0.01	6	0	0
atrazine	whole	0.01	0.02	39	0	0
bentazone	whole	0.01	0.01	39	0	0
bromacil	whole	0.01	not set	39	–	0
bromoxynil	whole	0.01	not set	39	–	0
butoxydim	whole	0.01	0.01	39	0	0
carfentrazone-ethyl	whole	0.01	not set	39	–	0
chlormequat	whole	0.01	not set	6	–	0
chlorpropham	whole	0.01	not set	39	–	0
chlorsulfuron	whole	0.01	not set	39	–	0
chlorthal-dimethyl	whole	0.01	not set	39	–	0
clethodim (parent only)	whole	0.01	0.2	39	0	0
clodinafop-propargyl	whole	0.01	not set	39	–	0
clopyralid	whole	0.01	not set	39	–	0
cyanazine	whole	0.01	0.01	39	0	0
dicamba	whole	0.01	not set	39	–	0
dichlobenil	whole	0.01	not set	39	–	0
dichlorprop-P	whole	0.01	not set	6	–	0
diclofop-methyl	whole	0.01	0.1	6	0	0
diflufenican	whole	0.01	0.05	39	0	0
diquat	whole	0.01	1	6	0	0
diuron	whole	0.01	0.05	39	0	0
ethofumesate	whole	0.01	not set	39	–	0
fenoxaprop-ethyl	whole	0.01	not set	39	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
flamprop-M-methyl	whole	0.01	not set	6	–	0
fluazifop-p-butyl	whole	0.01	0.1	6	0	0
flumetsulam	whole	0.01	0.05	39	0	0
flumioxazin	whole	0.01	0.1	39	0	0
fluroxypyr	whole	0.01	not set	39	–	0
glufosinate	whole	0.01	not set	6	–	0
glyphosate	whole	0.01	5	6	0	0
haloxyfop	whole	0.01	0.1	6	0	0
imazamox	whole	0.01	not set	39	–	0
imazapic	whole	0.01	not set	39	–	0
imazapyr	whole	0.01	not set	39	–	0
imazaquin	whole	0.01	not set	39	–	0
imazethapyr	whole	0.01	0.1	39	0	0
iodosulfuron-methyl	whole	0.01	not set	39	–	0
ioxynil	whole	0.01	not set	39	–	0
isoxaben	whole	0.01	not set	39	–	0
linuron	whole	0.01	not set	39	–	0
MCPA	whole	0.01	not set	39	–	0
methabenzthiazuron	whole	0.01	not set	39	–	0
metolachlor	whole	0.01	0.01	39	0	0
metosulam	whole	0.01	0.02	39	0	0
metribuzin	whole	0.01	0.01	39	0	0
metsulfuron-methyl	whole	0.01	not set	39	–	0
napropamide	whole	0.01	not set	39	–	0
norflurazon	whole	0.01	not set	39	–	0
oryzalin	whole	0.01	not set	39	–	0
oxyfluorfen	whole	0.01	not set	39	–	0
paraquat	whole	0.01	1	6	0	0
pendimethalin	whole	0.01	0.05	39	0	0
picloram	whole	0.01	not set	39	–	0
propachlor	whole	0.01	not set	39	–	0
propaquizafop	whole	0.01	0.05	6	0	0
propyzamide	whole	0.01	0.01	39	0	0
quizalofop-ethyl	whole	0.01	0.2	6	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	6	0	0
saflufenacil	whole	0.01	0.2	39	0	0
sethoxydim	whole	0.01	0.2	39	0	0
simazine	whole	0.01	0.05	39	0	0
terbutryn	whole	0.01	not set	39	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tralkoxydim	whole	0.01	not set	39	–	0
triallate	whole	0.01	0.1	39	0	0
triasulfuron	whole	0.01	not set	39	–	0
triclopyr	whole	0.01	not set	39	–	0
trifluralin	whole	0.01	0.05	39	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	39	–	0
acephate	whole	0.01	not set	39	–	0
acetamiprid	whole	0.01	not set	39	–	0
aldicarb	whole	0.01	not set	39	–	0
amitraz	whole	0.01	not set	39	–	0
azamethiphos	whole	0.01	not set	39	–	0
azinphos-methyl	whole	0.01	not set	39	–	0
bifenazate	whole	0.01	not set	39	–	0
bifenthrin	whole	0.01	0.02	39	0	0
bioresmethrin	whole	0.01	not set	39	–	0
buprofezin	whole	0.01	not set	39	–	0
cadusafos	whole	0.01	not set	39	–	0
carbaryl	whole	0.01	0.1	39	0	0
carbofuran	whole	0.01	not set	39	–	0
chlorantraniliprole	whole	0.01	0.07	39	0	0
chlorfenapyr	whole	0.01	not set	39	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	39	–	0
chlorpyrifos	whole	0.01	not set	39	–	0
chlorpyrifos-methyl	whole	0.01	0.15	39	0	0
clofentezine	whole	0.01	not set	39	–	0
clothianidin	whole	0.01	0.1	39	0	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	39	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	39	0	0
cypermethrin (sum of isomers)	whole	0.01	0.01	39	0	0
deltamethrin	whole	0.01	0.1	39	0	0
diafenthiuron	whole	0.01	not set	39	–	0
diazinon	whole	0.01	0.7	39	0	0
dichlorvos	whole	0.01	0.01	39	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dicofol	whole	0.01	not set	39	–	0
diflubenzuron	whole	0.01	not set	39	–	0
dimethoate	whole	0.01	0.5	39	0	0
disulfoton	whole	0.01	not set	39	–	0
emamectin	whole	0.01	0.01	39	0	0
esfenvalerate	whole	0.01	0.5	39	0	0
ethion	whole	0.01	not set	39	–	0
ethoprophos	whole	0.005	not set	39	–	0
etoxazole	whole	0.01	not set	39	–	0
fenamiphos	whole	0.01	not set	39	–	0
fenbutatin oxide	whole	0.01	not set	39	–	0
fenitrothion	whole	0.01	0.1	39	0	0
fenoxycarb	whole	0.01	not set	39	–	0
fenpyroximate	whole	0.01	not set	39	–	0
fenthion	whole	0.01	not set	39	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	39	0	0
fipronil	whole	0.002	not set	39	–	0
hexythiazox	whole	0.01	not set	39	–	0
imidacloprid	whole	0.01	0.2	39	0	0
indoxacarb	whole	0.01	0.2	39	0	0
malathion (maldison)	whole	0.01	2	39	0	0
methacrifos	whole	0.01	not set	39	–	0
methamidophos	whole	0.01	not set	39	–	0
methidathion	whole	0.01	not set	39	–	0
methiocarb	whole	0.01	not set	39	–	0
methomyl	whole	0.01	1	39	0	0
methoprene	whole	0.01	not set	39	–	0
methoxychlor	whole	0.01	not set	39	–	0
methoxyfenozide	whole	0.01	not set	39	–	0
mevinphos	whole	0.01	not set	39	–	0
monocrotophos	whole	0.01	not set	39	–	0
omethoate	whole	0.01	0.1	39	0	0
parathion	whole	0.01	not set	39	–	0
parathion-methyl	whole	0.01	not set	39	–	0
permethrin (sum of isomers)	whole	0.01	not set	39	–	0
phenothrin (sum of isomers)	whole	0.01	not set	39	–	0
phorate	whole	0.01	not set	39	–	0
phosmet	whole	0.01	not set	39	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
piperonyl butoxide	whole	0.01	8	39	0	0
pirimicarb	whole	0.01	0.02	39	0	0
pirimiphos-methyl	whole	0.01	not set	39	–	0
profenofos	whole	0.01	not set	39	–	0
propargite	whole	0.01	not set	39	–	0
prothiofos	whole	0.01	not set	39	–	0
pymetrozine	whole	0.01	0.02	39	0	0
pyrethrins	whole	0.01	1	39	0	0
pyriproxyfen	whole	0.01	not set	39	–	0
spinetoram	whole	0.01	0.01	39	0	0
spinosad	whole	0.01	0.01	39	0	0
spirotetramat	whole	0.01	not set	39	–	0
sulfoxaflor	whole	0.01	not set	39	–	0
tau-fluvalinate	whole	0.01	not set	39	–	0
tebufenozide	whole	0.01	not set	39	–	0
tebufenpyrad	whole	0.01	not set	39	–	0
terbufos	whole	0.01	not set	39	–	0
tetradifon	whole	0.01	not set	39	–	0
thiacloprid	whole	0.01	not set	39	–	0
thiamethoxam	whole	0.01	0.5	39	0	0
thiodicarb	whole	0.01	0.1	39	0	0
triazofos	whole	0.01	not set	39	–	0
trichlorfon	whole	0.01	0.2	39	0	0
triflumuron	whole	0.01	not set	39	–	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	39	–	0
chlordane	whole	0.01	0.02	39	0	0
DDT	whole	0.01	1	39	0	0
endosulfan	whole	0.01	not set	39	–	0
endrin	whole	0.01	not set	39	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	39	–	0
HCH (BHC)	whole	0.01	not set	39	–	0
heptachlor	whole	0.01	0.05	39	0	0
lindane (gamma-HCH)	whole	0.01	2	39	0	0
mirex	whole	0.01	not set	39	–	0

