



Lupin residue testing annual datasets 2020–21

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	47	0	0
benalaxyl	whole	0.01	not set	47	–	0
bitertanol	whole	0.01	not set	47	–	0
bixafen-P	whole	0.01	0.1	47	0	0
boscalid	whole	0.01	0.5	47	0	0
bupirimate	whole	0.01	not set	47	–	0
captafol	whole	0.02	not set	47	–	0
captan	whole	0.01	not set	47	–	0
carbendazim	whole	0.01	0.5	47	0	0
carboxin	whole	0.01	not set	47	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorothalonil	whole	0.01	3	47	0	0
cyproconazole	whole	0.01	0.05	47	0	0
cyprodinil	whole	0.01	not set	47	–	0
difenoconazole	whole	0.01	not set	47	–	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	47	–	0
dithianon	whole	0.01	not set	47	–	0
dodine	whole	0.01	not set	47	–	0
epoxiconazole	whole	0.01	not set	47	–	0
etridiazole	whole	0.01	0.2	47	0	0
fenarimol	whole	0.01	not set	47	–	0
fenbuconazole	whole	0.01	not set	47	–	0
fenhexamid	whole	0.01	not set	47	–	0
fluazinam	whole	0.01	not set	47	–	0
fludioxonil	whole	0.01	0.1	47	0	0
fluquinconazole	whole	0.01	not set	47	–	0
flusilazole	whole	0.01	not set	47	–	0
flutriafol	whole	0.01	0.05	47	0	0
fluxapyroxad	whole	0.01	0.1	47	0	0
hexaconazole	whole	0.01	not set	47	–	0
imazalil	whole	0.01	not set	47	–	0
ipconazole	whole	0.01	not set	47	–	0
iprodione	whole	0.01	0.1	47	0	0
isoprothiolane	whole	0.01	not set	47	–	0
kresoxim-methyl	whole	0.01	not set	47	–	0
metalaxyl	whole	0.01	not set	47	–	0
myclobutanil	whole	0.01	not set	47	–	0
oxadixyl	whole	0.01	not set	47	–	0
penconazole	whole	0.01	not set	47	–	0
penflufen	whole	0.01	0.01	47	0	0
prochloraz	whole	0.01	not set	47	–	0
procymidone	whole	0.01	0.01	47	0	0
propiconazole	whole	0.01	not set	47	–	0
prothioconazole	whole	0.01	0.02	47	0	0
pyraclostrobin-P	whole	0.01	not set	47	–	0
pyrimethanil	whole	0.01	not set	47	–	0
quinoxifen	whole	0.01	not set	47	–	0
sedaxane	whole	0.01	not set	47	–	0
spiroxamine-P	whole	0.01	not set	47	–	0
tebuconazole	whole	0.01	1	47	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiabendazole-P	whole	0.01	not set	47	–	0
tolclofos methyl	whole	0.01	not set	47	–	0
triadimefon	whole	0.01	not set	47	–	0
triadimenol	whole	0.01	not set	47	–	0
trifloxystrobin	whole	0.01	not set	47	–	0
triticonazole	whole	0.01	not set	47	–	0
vinclozolin	whole	0.01	not set	47	–	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	47	–	0
2,4-D	whole	0.01	not set	47	–	0
2,4-DB	whole	0.01	not set	47	–	0
acifluorfen	whole	0.01	0.1	39	0	0
ametryn	whole	0.01	not set	39	–	0
aminopyralid	whole	0.01	not set	47	–	0
amitrole	whole	0.01	0.01	5	0	0
atrazine	whole	0.01	0.02	47	0	0
bentazone	whole	0.01	0.01	47	0	0
bicyclopyrone	whole	0.01	not set	39	–	0
bromacil	whole	0.01	not set	47	–	0
bromoxynil	whole	0.01	not set	47	–	0
butroxydim	whole	0.01	0.01	47	0	0
carfentrazone-ethyl	whole	0.01	not set	47	–	0
chlormequat	whole	0.01	not set	5	–	0
chlorpropham	whole	0.01	not set	47	–	0
chlorsulfuron	whole	0.01	not set	47	–	0
chlorthal-dimethyl	whole	0.01	not set	47	–	0
clethodim (parent only)	whole	0.01	0.2	47	0	0
clodinafop acid	whole	0.01	not set	39	–	0
clodinafop-propargyl	whole	0.01	not set	47	–	0
clomazone	whole	0.01	not set	39	–	0
clopyralid	whole	0.01	not set	47	–	0
cloquintocet-mexyl	whole	0.01	not set	39	–	0
cyanazine	whole	0.01	0.01	47	0	0
dicamba	whole	0.01	not set	47	–	0
dichlobenil	whole	0.01	not set	47	–	0
dichlorprop-P	whole	0.01	not set	5	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diclofop-methyl	whole	0.01	0.1	5	0	0
diflufenican	whole	0.01	0.05	47	0	0
dimethenamid-P	whole	0.01	0.02	39	0	0
diquat	whole	0.01	1	5	0	0
diuron	whole	0.01	0.05	47	0	0
EPTC	whole	0.01	0.04	36	0	0
EPTC (ethylidipropylthiocarbamate)	whole	0.01	not set	3	–	0
ethofumesate	whole	0.01	not set	47	–	0
fenoxaprop-ethyl	whole	0.01	not set	47	–	0
flamprop-M-methyl	whole	0.01	not set	5	–	0
florasulam	whole	0.01	not set	39	–	0
fluazifop-p-butyl	whole	0.01	0.1	5	0	0
flumetsulam	whole	0.01	0.05	47	0	0
flumioxazin	whole	0.01	0.1	47	0	0
fluroxypyr	whole	0.01	not set	47	–	0
glufosinate	whole	0.01	not set	5	–	0
glyphosate	whole	0.01	5	5	0	0
halauxifen-methyl-P	whole	0.01	not set	39	–	0
halosulfuron-methyl	whole	0.01	not set	39	–	0
haloxyfop	whole	0.01	0.1	5	0	0
imazamox	whole	0.01	not set	2	–	0
imazapic	whole	0.01	not set	2	–	0
imazapyr	whole	0.01	not set	2	–	0
imazaquin	whole	0.01	not set	2	–	0
imazethapyr	whole	0.01	0.1	2	0	0
iodosulfuron-methyl	whole	0.01	not set	47	–	0
ioxynil	whole	0.01	not set	47	–	0
isoxaben	whole	0.01	not set	47	–	0
isoxaflutole	whole	0.01	not set	39	–	0
linuron	whole	0.01	not set	47	–	0
MCPA	whole	0.01	not set	47	–	0
MCPB	whole	0.01	0.02	39	0	0
mefenpyr-diethyl-P	whole	0.01	not set	39	–	0
metazachlor-P	whole	0.01	0.03	39	0	0
methabenzthiazuron	whole	0.01	not set	47	–	0
metolachlor	whole	0.01	0.01	47	0	0
metosulam	whole	0.01	0.02	47	0	0
metribuzin	whole	0.01	0.01	47	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
metsulfuron-methyl	whole	0.01	not set	47	–	0
napropamide	whole	0.01	not set	47	–	0
norflurazon	whole	0.01	not set	47	–	0
oryzalin	whole	0.01	not set	47	–	0
oxyfluorfen	whole	0.01	not set	47	–	0
paraquat	whole	0.01	1	5	0	0
pendimethalin	whole	0.01	0.05	47	0	0
picloram	whole	0.01	not set	47	–	0
picolinafen-P	whole	0.01	0.02	39	0	0
pinoxaden (parent)	whole	0.01	not set	39	–	0
prometryn	whole	0.01	0.1	39	0	0
propachlor	whole	0.01	not set	47	–	0
propaquizafop	whole	0.01	0.05	5	0	0
propyzamide	whole	0.01	0.01	47	0	0
prosulfocarb	whole	0.01	0.01	39	0	0
pyraflufen-ethyl	whole	0.01	0.02	39	0	0
pyrasulfotole	whole	0.01	not set	39	–	0
pyroxasulfone-P	whole	0.01	0.01	39	0	0
pyroxsulam	whole	0.01	not set	39	–	0
quizalofop-ethyl	whole	0.01	0.2	5	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	5	0	0
saflufenacil-P	whole	0.01	0.2	47	0	0
sethoxydim	whole	0.01	0.2	47	0	0
simazine	whole	0.01	0.05	47	0	0
sulfosulfuron	whole	0.01	not set	39	–	0
terbuthylazine	whole	0.01	0.02	39	0	0
terbutryn	whole	0.01	not set	47	–	0
tralkoxydim	whole	0.01	not set	47	–	0
triallate	whole	0.01	0.1	47	0	0
triasulfuron	whole	0.01	not set	47	–	0
tribenuron-methyl	whole	0.01	not set	39	–	0
triclopyr	whole	0.01	not set	47	–	0
trifluralin	whole	0.01	0.05	47	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	47	–	0
acephate	whole	0.01	not set	47	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
acetamiprid-P	whole	0.01	not set	47	–	0
aldicarb	whole	0.01	not set	47	–	0
amitraz	whole	0.01	not set	47	–	0
azamethiphos	whole	0.01	not set	47	–	0
azinphos-methyl	whole	0.01	not set	47	–	0
bifenazate	whole	0.01	not set	47	–	0
bifenthrin	whole	0.01	0.02	47	0	0
bioresmethrin	whole	0.01	not set	47	–	0
buprofezin	whole	0.01	0.01	47	0	0
cadusafos	whole	0.01	not set	47	–	0
carbaryl	whole	0.01	0.1	47	0	0
carbofuran	whole	0.01	not set	47	–	0
chlorantraniliprole	whole	0.01	0.07	47	0	0
chlorfenapyr	whole	0.01	not set	47	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	47	–	0
chlorpyrifos	whole	0.01	not set	47	–	0
chlorpyrifos-methyl	whole	0.01	0.15	47	0	0
clofentezine	whole	0.01	not set	47	–	0
clothianidin	whole	0.01	0.1	47	0	0
cyantraniliprole	whole	0.01	0.05	39	0	0
cyfluthrin (sum of isomers)	whole	0.01	not set	47	–	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	47	0	0
cypermethrin (sum of isomers)	whole	0.01	0.01	47	0	1
deltamethrin	whole	0.01	0.1	47	0	0
diafenthiuron	whole	0.01	not set	47	–	0
diazinon	whole	0.01	0.7	47	0	0
dichlorvos	whole	0.01	0.01	47	0	0
dicofol	whole	0.01	not set	47	–	0
diflubenzuron	whole	0.01	not set	47	–	0
dimethoate	whole	0.01	0.7	47	0	0
disulfoton	whole	0.01	not set	47	–	0
emamectin	whole	0.01	0.01	47	0	0
esfenvalerate	whole	0.01	0.5	26	0	0
ethion	whole	0.01	not set	47	–	0
ethoprophos	whole	0.005	not set	47	–	0
etoxazole	whole	0.01	not set	47	–	0
fenamiphos	whole	0.01	not set	47	–	0
fenbutatin oxide	whole	0.01	not set	47	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
fenitrothion	whole	0.01	0.1	47	0	0
fenoxycarb	whole	0.01	not set	47	–	0
fenpyroximate	whole	0.01	not set	47	–	0
fenthion	whole	0.01	not set	47	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	47	0	0
fipronil	whole	0.002	not set	47	–	0
flonicamid-P	whole	0.01	not set	39	–	0
hexythiazox	whole	0.01	not set	47	–	0
imidacloprid	whole	0.01	0.2	47	0	0
indoxacarb	whole	0.01	0.2	47	0	0
malathion (maldison)	whole	0.01	2	47	0	0
methacrifos	whole	0.01	not set	47	–	0
methamidophos	whole	0.01	not set	47	–	0
methidathion	whole	0.01	not set	47	–	0
methiocarb	whole	0.01	not set	47	–	0
methomyl	whole	0.01	1	47	0	0
methoprene	whole	0.01	not set	47	–	0
methoxychlor	whole	0.01	not set	47	–	0
methoxyfenozide	whole	0.01	not set	47	–	0
mevinphos	whole	0.01	not set	47	–	0
monocrotophos	whole	0.01	not set	47	–	0
omethoate	whole	0.01	0.1	47	0	0
parathion	whole	0.01	not set	47	–	0
parathion-methyl	whole	0.01	not set	47	–	0
permethrin (sum of isomers)	whole	0.01	not set	47	–	0
phenothrin (sum of isomers)	whole	0.01	not set	47	–	0
phorate	whole	0.01	not set	47	–	0
phosmet	whole	0.01	not set	47	–	0
piperonyl butoxide	whole	0.01	8	47	0	0
pirimicarb	whole	0.01	0.02	47	0	0
pirimiphos-methyl	whole	0.01	not set	47	–	0
profenofos	whole	0.01	not set	47	–	0
propargite	whole	0.01	not set	47	–	0
prothiofos	whole	0.01	not set	47	–	0
pymetrozine	whole	0.01	0.02	47	0	0
pyrethrins	whole	0.01	1	47	0	0
pyriproxyfen	whole	0.01	not set	47	–	0
spinetoram	whole	0.01	0.01	47	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
spinosad	whole	0.01	0.01	47	0	0
spirotetramat	whole	0.01	not set	47	–	0
sulfoxaflor	whole	0.01	not set	47	–	0
tau-fluvalinate	whole	0.01	not set	47	–	0
tebufenozide	whole	0.01	not set	47	–	0
tebufenpyrad	whole	0.01	not set	47	–	0
terbufos	whole	0.01	not set	47	–	0
tetradifon	whole	0.01	not set	47	–	0
thiacloprid	whole	0.01	not set	47	–	0
thiamethoxam	whole	0.01	0.5	47	0	0
thiodicarb	whole	0.01	0.1	47	0	0
triazofos	whole	0.01	not set	47	–	0
trichlorfon	whole	0.01	0.2	47	0	0
triflumuron	whole	0.01	not set	47	–	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	47	–	0
chlordane	whole	0.01	0.02	47	0	0
DDT	whole	0.01	1	47	0	0
endosulfan	whole	0.01	not set	47	–	0
endrin	whole	0.01	not set	47	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	47	–	0
HCH (BHC)	whole	0.01	not set	47	–	0
heptachlor	whole	0.01	0.05	47	0	0
lindane (gamma-HCH)	whole	0.01	2	47	0	0
mirex	whole	0.01	not set	47	–	0

Table 5 Plant Growth Regulator

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trinexapac-ethyl	whole	0.01	not set	39	–	0