



Barley 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	0.2	844	0	0
benalaxyl	whole	0.01	not set	844	–	0
bitertanol	whole	0.01	not set	844	–	0
bixafen-P	whole	0.01	0.01	642	0	0
boscalid	whole	0.01	0.5	844	0	0
bupirimate	whole	0.01	not set	844	–	0
captafol	whole	0.02	not set	844	–	0
captan	whole	0.01	not set	844	–	0
carbendazim	whole	0.01	not set	844	–	0
carboxin	whole	0.01	0.1	642	0	0
chlorothalonil	whole	0.01	not set	844	–	0
cyproconazole	whole	0.01	0.02	844	0	0
cyprodinil	whole	0.01	not set	844	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	0.01	844	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	844	–	0
dithianon	whole	0.01	not set	844	–	0
dodine	whole	0.01	not set	844	–	0
epoxiconazole	whole	0.01	0.05	844	0	0
etridiazole	whole	0.01	not set	844	–	0
fenarimol	whole	0.01	not set	844	–	0
fenbuconazole	whole	0.01	not set	642	–	0
fenhexamid	whole	0.01	not set	844	–	0
fluazinam	whole	0.01	not set	844	–	0
fludioxonil	whole	0.01	not set	844	–	0
fluquinconazole	whole	0.01	0.02	844	0	0
flusilazole	whole	0.01	not set	844	–	0
flutriafol	whole	0.01	0.2	844	0	0
fluxapyroxad	whole	0.01	0.2	844	0	0
hexaconazole	whole	0.01	not set	844	–	0
imazalil	whole	0.01	not set	844	–	0
ipconazole	whole	0.01	0.01	844	0	0
iprodione	whole	0.01	not set	844	–	0
isoprothiolane	whole	0.01	not set	642	–	0
kresoxim-methyl	whole	0.01	not set	844	–	0
metalaxyl	whole	0.01	0.01	844	0	0
myclobutanil	whole	0.01	not set	844	–	0
oxadixyl	whole	0.01	not set	844	–	0
penconazole	whole	0.01	not set	844	–	0
penflufen	whole	0.01	0.01	642	0	0
prochloraz	whole	0.01	not set	844	–	0
procymidone	whole	0.01	not set	844	–	0
propiconazole	whole	0.01	0.05	844	0	0
prothioconazole	whole	0.01	0.3	844	0	0
pyraclostrobin	whole	0.01	0.01	844	0	0
pyrimethanil	whole	0.01	not set	844	–	0
quinoxifen	whole	0.01	0.01	844	0	0
sedaxane	whole	0.01	0.01	642	0	0
spiroxamine-P	whole	0.01	0.03	844	0	0
tebuconazole	whole	0.01	0.2	844	0	0
thiabendazole-P	whole	0.01	not set	844	–	0
tolclofos methyl	whole	0.01	not set	844	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triadimefon	whole	0.01	0.5	844	0	0
triadimenol	whole	0.01	0.01	844	0	0
trifloxystrobin	whole	0.01	not set	844	–	0
triticonazole	whole	0.01	0.05	844	0	0
vinclozolin	whole	0.01	not set	844	–	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	0.1	844	0	0
2,4-D	whole	0.01	0.2	844	0	0
2,4-DB	whole	0.01	0.02	642	0	0
aminopyralid	whole	0.01	0.1	642	0	0
amitrole	whole	0.01	0.01	232	0	0
atrazine	whole	0.01	not set	844	–	0
bentazone	whole	0.01	not set	642	–	0
bromacil	whole	0.01	not set	844	–	0
bromoxynil	whole	0.01	0.2	844	0	0
butroxydim	whole	0.01	not set	642	–	0
carfentrazone-ethyl	whole	0.01	0.05	844	0	0
chlorpropham	whole	0.01	not set	844	–	0
chlorsulfuron	whole	0.01	0.05	844	0	0
chlorthal-dimethyl	whole	0.01	not set	844	–	0
clethodim (parent only)	whole	0.01	0.1	844	0	0
clodinafop-propargyl	whole	0.01	0.02	844	0	0
clopyralid	whole	0.01	2	844	0	0
cyanazine	whole	0.01	0.01	844	0	0
dicamba	whole	0.01	0.05	844	0	0
dichlobenil	whole	0.01	not set	844	–	0
dichlorprop-P	whole	0.02	not set	583	–	0
diclofop-methyl	whole	0.01	0.1	232	0	0
diflufenican	whole	0.01	0.05	844	0	0
diquat	whole	0.01	5	232	0	0
diuron	whole	0.01	0.1	844	0	0
ethofumesate	whole	0.01	not set	844	–	0
fenoxaprop-ethyl	whole	0.01	0.01	232	0	0
flamprop-M-methyl	whole	0.01	not set	232	–	0
fluazifop-p-butyl	whole	0.01	not set	232	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
flumetsulam	whole	0.01	0.05	844	0	0
flumioxazin	whole	0.01	0.05	642	0	0
fluroxypyr	whole	0.01	0.2	642	0	0
glufosinate	whole	0.01	0.1	232	0	0
glyphosate	whole	0.01	10	232	0	0
haloxyfop	whole	0.01	not set	232	–	0
imazamox	whole	0.01	0.05	844	0	0
imazapic	whole	0.01	0.02	844	0	0
imazapyr	whole	0.01	0.7	844	0	0
imazaquin	whole	0.01	not set	844	–	0
imazethapyr	whole	0.01	not set	844	–	0
iodosulfuron-methyl	whole	0.01	0.01	844	0	0
ioxynil	whole	0.01	not set	844	–	0
isoxaben	whole	0.01	0.01	844	0	0
linuron	whole	0.01	0.05	844	0	0
MCPA	whole	0.01	0.02	844	0	0
methabenzthiazuron	whole	0.01	not set	844	–	0
metolachlor	whole	0.01	0.02	844	0	0
metosulam	whole	0.01	0.02	844	0	0
metribuzin	whole	0.01	0.05	844	0	0
metsulfuron-methyl	whole	0.01	0.02	844	0	0
napropamide	whole	0.01	not set	844	–	0
norflurazon	whole	0.01	not set	844	–	0
oryzalin	whole	0.01	0.01	844	0	0
oxyfluorfen	whole	0.01	0.05	844	0	0
paraquat	whole	0.01	0.05	232	0	0
pendimethalin	whole	0.01	0.05	844	0	0
picloram	whole	0.01	0.2	844	0	0
propachlor	whole	0.01	0.05	844	0	0
propaquizafop	whole	0.02	not set	97	–	0
propyzamide	whole	0.01	not set	844	–	0
quizalofop-ethyl	whole	0.01	not set	232	–	0
quizalofop-P-tefuryl	whole	0.01	not set	232	–	0
saflufenacil	whole	0.01	0.2	844	0	0
sethoxydim	whole	0.01	0.1	844	0	0
simazine	whole	0.01	not set	844	–	0
terbutryn	whole	0.01	0.1	642	0	0
tralkoxydim	whole	0.01	0.02	844	0	0
triallate	whole	0.01	0.05	642	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triasulfuron	whole	0.01	0.02	844	0	0
triclopyr	whole	0.01	not set	844	–	0
trifluralin	whole	0.01	0.05	844	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	844	–	0
acephate	whole	0.01	not set	844	–	0
acetamiprid-P	whole	0.01	not set	844	–	0
aldicarb	whole	0.01	not set	844	–	0
amitraz	whole	0.01	not set	844	–	0
azamethiphos	whole	0.01	0.1	844	0	0
azinphos-methyl	whole	0.01	not set	844	–	0
bifenazate	whole	0.01	not set	844	–	0
bifenthrin	whole	0.01	0.02	844	0	0
bioresmethrin	whole	0.01	not set	844	–	0
buprofezin	whole	0.01	not set	844	–	0
cadusafos	whole	0.01	not set	844	–	0
carbaryl	whole	0.01	15	844	0	0
carbofuran	whole	0.01	0.2	844	0	0
chlorantraniliprole	whole	0.01	0.01	844	0	0
chlorfenapyr	whole	0.01	not set	844	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	844	–	0
chlorpyrifos	whole	0.01	0.1	844	0	0
chlorpyrifos-methyl	whole	0.01	10	844	1	0
clofentezine	whole	0.01	not set	844	–	0
clothianidin	whole	0.01	0.02	844	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	844	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	844	0	0
cypermethrin (sum of isomers)	whole	0.01	1	844	0	0
deltamethrin	whole	0.01	2	844	0	0
diafenthiuron	whole	0.01	not set	844	–	0
diazinon	whole	0.01	0.1	844	0	0
dichlorvos	whole	0.01	0.01	844	0	0
dicofol	whole	0.01	not set	844	–	0
diflubenzuron	whole	0.01	not set	844	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethoate	whole	0.01	0.05	844	0	0
disulfoton	whole	0.01	not set	844	–	0
emamectin	whole	0.01	not set	844	–	0
esfenvalerate	whole	0.01	2	844	0	0
ethion	whole	0.01	not set	844	–	0
ethoprophos	whole	0.005	0.005	844	0	0
etoxazole	whole	0.01	not set	844	–	0
fenamiphos	whole	0.01	not set	844	–	0
fenbutatin oxide	whole	0.01	not set	844	–	0
fenitrothion	whole	0.01	10	844	0	0
fenoxycarb	whole	0.01	not set	844	–	0
fenpyroximate	whole	0.01	not set	844	–	0
fenthion	whole	0.01	not set	844	–	0
fenvalerate (sum of isomers)	whole	0.01	2	844	0	0
fipronil	whole	0.002	not set	844	–	0
hexythiazox	whole	0.01	not set	844	–	0
imidacloprid	whole	0.01	0.05	844	1	0
indoxacarb	whole	0.01	not set	844	–	0
malathion (maldison)	whole	0.01	8	844	0	0
methacrifos	whole	0.01	not set	844	–	0
methamidophos	whole	0.01	not set	844	–	0
methidathion	whole	0.01	0.01	844	0	0
methiocarb	whole	0.01	not set	844	–	0
methomyl	whole	0.01	0.1	844	0	0
methoprene	whole	0.01	2	844	0	0
methoxychlor	whole	0.01	not set	844	–	0
methoxyfenozide	whole	0.01	not set	844	–	0
mevinphos	whole	0.01	not set	844	–	0
monocrotophos	whole	0.01	not set	844	–	0
omethoate	whole	0.01	0.05	844	0	0
parathion	whole	0.01	not set	844	–	0
parathion-methyl	whole	0.01	not set	844	–	0
permethrin (sum of isomers)	whole	0.01	2	844	0	0
phenothrin (sum of isomers)	whole	0.01	not set	844	–	0
phorate	whole	0.01	not set	844	–	0
phosmet	whole	0.01	0.05	844	0	0
piperonyl butoxide	whole	0.01	20	844	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
pirimicarb	whole	0.01	0.02	844	0	0
pirimiphos-methyl	whole	0.01	7	844	0	0
profenofos	whole	0.01	not set	844	–	0
propargite	whole	0.01	not set	844	–	0
prothiofos	whole	0.01	not set	844	–	0
pymetrozine	whole	0.01	not set	844	–	0
pyrethrins	whole	0.01	3	844	0	0
pyriproxyfen	whole	0.01	not set	844	–	0
spinetoram	whole	0.01	not set	844	–	0
spinosad	whole	0.01	1	844	1	0
spirotetramat	whole	0.01	not set	844	–	0
sulfoxaflor	whole	0.01	0.01	844	0	0
tau-fluvalinate	whole	0.01	not set	844	–	0
tebufenozide	whole	0.01	not set	844	–	0
tebufenpyrad	whole	0.01	not set	844	–	0
terbufos	whole	0.01	0.01	844	0	0
tetradifon	whole	0.01	not set	844	–	0
thiacloprid	whole	0.01	not set	844	–	0
thiamethoxam	whole	0.01	0.01	844	0	0
thiodicarb	whole	0.01	not set	844	–	0
triazofos	whole	0.01	not set	844	–	0
trichlorfon	whole	0.01	0.1	844	0	0
triflumuron	whole	0.01	0.05	844	0	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	0.02	844	0	0
chlordane	whole	0.01	0.02	844	0	0
DDT	whole	0.01	0.1	844	0	0
endosulfan	whole	0.01	not set	844	–	0
endrin	whole	0.01	not set	844	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	844	0	0
HCH (BHC)	whole	0.01	0.1	844	0	0
heptachlor	whole	0.01	0.02	844	0	0
lindane (gamma-HCH)	whole	0.01	0.5	844	0	0
mirex	whole	0.01	not set	844	–	0