



Barley 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	0.2	859	0	0
benalaxyl	whole	0.01	not set	859	–	0
bitertanol	whole	0.01	not set	859	–	0
bixafen	whole	0.01	0.01	859	0	0
boscalid	whole	0.01	0.5	859	0	0
bupirimate	whole	0.01	not set	859	–	0
captan	whole	0.02	not set	859	–	0
carbendazim	whole	0.01	not set	859	–	0
carboxin	whole	0.01	0.1	859	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorothalonil	whole	0.01	not set	859	–	0
cypoconazole	whole	0.01	0.02	859	0	0
ciprodinil	whole	0.01	not set	859	–	0
difenoconazole	whole	0.01	0.01	859	0	1
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	859	–	0
dithianon	whole	0.01	not set	859	–	0
dodine	whole	0.01	not set	859	–	0
epoxiconazole	whole	0.01	0.05	859	0	0
etridiazole	whole	0.01	not set	859	–	0
fenarimol	whole	0.01	not set	859	–	0
fenbuconazole	whole	0.01	not set	859	–	0
fenhexamid	whole	0.01	not set	859	–	0
fluazinam	whole	0.01	not set	859	–	0
fludioxonil	whole	0.01	not set	859	–	0
fluquinconazole	whole	0.01	0.02	859	0	0
flusilazole	whole	0.01	not set	859	–	0
flutriafol	whole	0.01	0.2	859	1	0
fluxapyroxad	whole	0.01	0.2	859	0	0
hexaconazole	whole	0.01	not set	859	–	0
imazalil	whole	0.01	not set	859	–	0
ipconazole	whole	0.01	0.01	859	0	0
iprodione	whole	0.01	not set	859	–	0
isoprothiolane	whole	0.01	not set	859	–	0
kresoxim-methyl	whole	0.01	not set	859	–	0
metalaxylyl	whole	0.01	0.01	859	0	0
myclobutanil	whole	0.01	not set	859	–	0
oxadixyl	whole	0.01	not set	859	–	0
penconazole	whole	0.01	not set	859	–	0
penflufen	whole	0.01	0.01	859	0	0
prochloraz	whole	0.01	not set	859	–	0
procymidone	whole	0.01	not set	859	–	0
propiconazole	whole	0.01	0.05	859	0	0
prothioconazole	whole	0.01	0.3	859	0	0
pyraclostrobin	whole	0.01	0.01	859	0	0
pyrimethanil	whole	0.01	not set	859	–	0
quinoxyfen	whole	0.01	0.01	859	0	0
sedaxane	whole	0.01	0.01	859	0	0
spiroxamine	whole	0.01	0.03	859	0	0
tebuconazole	whole	0.01	0.2	859	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	859	–	0
tolclofos methyl	whole	0.01	not set	859	–	0
triadimefon	whole	0.01	0.5	859	0	0
triadimenol	whole	0.01	0.01	859	0	0
trifloxystrobin	whole	0.01	not set	859	–	0
triticonazole	whole	0.01	0.05	859	0	0
vinclozolin	whole	0.01	not set	859	–	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	859	0	0
2,4-D	whole	0.01	0.2	859	0	0
2,4-DB	whole	0.01	0.02	859	0	0
aminopyralid	whole	0.01	0.1	859	0	0
amitrole	whole	0.01	0.01	282	0	0
atrazine	whole	0.01	not set	859	–	0
bentazone	whole	0.01	not set	859	–	0
bromacil	whole	0.01	not set	859	–	0
bromoxynil	whole	0.01	0.2	859	0	0
butroxydim	whole	0.01	not set	859	–	0
carfentrazone-ethyl	whole	0.01	0.05	859	0	0
chlormequat	whole	0.01	2	282	0	0
chlorpropham	whole	0.01	not set	859	–	0
chlorsulfuron	whole	0.01	0.05	859	0	0
chlorthal-dimethyl	whole	0.01	not set	859	–	0
clethodim (parent only)	whole	0.01	0.1	859	0	0
clodinafop-propargyl	whole	0.01	0.02	859	0	0
clopyralid	whole	0.01	2	859	0	0
cyanazine	whole	0.01	0.01	859	0	0
dicamba	whole	0.01	0.05	859	0	0
dichlobenil	whole	0.01	not set	859	–	0
dichlorprop-P	whole	0.01	not set	282	–	0
diclofop-methyl	whole	0.01	0.1	282	0	0
diflufenican	whole	0.01	0.05	859	0	0
diquat	whole	0.01	5	282	0	0
diuron	whole	0.01	0.1	859	0	0
ethofumesate	whole	0.01	not set	859	–	0
fenoxaprop-ethyl	whole	0.01	0.01	859	0	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	282	–	0
fluazifop-p-butyl	whole	0.01	not set	282	–	0
flumetsulam	whole	0.01	0.05	859	0	0
flumioxazin	whole	0.01	0.05	859	0	0
fluroxypyr	whole	0.01	0.2	859	0	0
glufosinate	whole	0.01	0.1	282	0	0
glyphosate	whole	0.01	20	282	0	0
haloxyfop	whole	0.01	not set	282	–	0
imazamox	whole	0.01	0.05	853	0	0
imazapic	whole	0.01	0.02	853	0	0
imazapyr	whole	0.01	0.7	853	0	0
imazaquin	whole	0.01	not set	853	–	0
imazethapyr	whole	0.01	not set	853	–	0
iodosulfuron-methyl	whole	0.01	0.01	859	0	0
ioxynil	whole	0.01	not set	859	–	0
isoxaben	whole	0.01	0.01	859	0	0
linuron	whole	0.01	0.05	859	0	0
MCPA	whole	0.01	0.02	859	0	0
methabenzthiazuron	whole	0.01	not set	859	–	0
metolachlor	whole	0.01	0.02	859	0	0
metosulam	whole	0.01	0.02	859	0	0
metribuzin	whole	0.01	0.05	859	0	0
metsulfuron-methyl	whole	0.01	0.02	859	0	0
napropamide	whole	0.01	not set	859	–	0
norflurazon	whole	0.01	not set	859	–	0
oryzalin	whole	0.01	0.01	859	0	0
oxyfluorfen	whole	0.01	0.05	859	0	0
paraquat	whole	0.01	0.05	282	0	0
pendimethalin	whole	0.01	0.05	859	0	0
picloram	whole	0.01	0.2	859	0	0
propachlor	whole	0.01	0.05	859	0	0
propanquizafop	whole	0.01	not set	282	–	0
propyzamide	whole	0.01	not set	859	–	0
quizalofop-ethyl	whole	0.01	not set	282	–	0
quizalofop-P-tefuryl	whole	0.01	not set	282	–	0
saflufenacil	whole	0.01	0.2	859	0	0
sethoxydim	whole	0.01	0.1	859	0	0
simazine	whole	0.01	not set	859	–	0
terbutryn	whole	0.01	0.1	859	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tralkoxydim	whole	0.01	0.02	859	0	0
triallate	whole	0.01	0.05	859	0	0
triasulfuron	whole	0.01	0.02	859	0	0
triclopyr	whole	0.01	not set	859	–	0
trifluralin	whole	0.01	0.05	859	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	859	–	0
acephate	whole	0.01	not set	859	–	0
acetamiprid	whole	0.01	not set	859	–	0
aldicarb	whole	0.01	not set	859	–	0
amitraz	whole	0.01	not set	859	–	0
azamethiphos	whole	0.01	0.1	859	0	0
azinphos-methyl	whole	0.01	not set	859	–	0
bifenazate	whole	0.01	not set	859	–	0
bifenthrin	whole	0.01	0.02	859	0	0
bioresmethrin	whole	0.01	not set	859	–	0
buprofezin	whole	0.01	not set	859	–	0
cadusafos	whole	0.01	not set	859	–	0
carbaryl	whole	0.01	15	859	0	0
carbofuran	whole	0.01	0.2	859	0	0
chlorantraniliprole	whole	0.01	0.1	859	0	0
chlorgfenapyr	whole	0.01	not set	859	–	0
chlorgenvinphos (sum of isomers)	whole	0.01	not set	859	–	0
chlorpyrifos	whole	0.01	0.1	859	0	0
chlorpyrifos-methyl	whole	0.01	10	859	0	0
clofentezine	whole	0.01	not set	859	–	0
clothianidin	whole	0.01	0.02	859	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	859	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	859	0	0
cypromethrin (sum of isomers)	whole	0.01	1	859	0	0
deltamethrin	whole	0.01	2	859	0	1
diafenthuron	whole	0.01	not set	859	–	0
diazinon	whole	0.01	0.1	859	0	0
dichlorvos	whole	0.01	0.01	859	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	859	–	0
diflubenzuron	whole	0.01	not set	859	–	0
dimethoate	whole	0.01	0.05	859	0	0
disulfoton	whole	0.01	not set	859	–	0
emamectin	whole	0.01	not set	859	–	0
esfenvalerate	whole	0.01	2	859	0	0
ethion	whole	0.01	not set	859	–	0
ethoprophos	whole	0.005	0.005	859	0	0
etoxazole	whole	0.01	not set	859	–	0
fenamiphos	whole	0.01	not set	859	–	0
fenbutatin oxide	whole	0.01	not set	859	–	0
fenitrothion	whole	0.01	10	859	1	0
fenoxy carb	whole	0.01	not set	859	–	0
fenpyroximate	whole	0.01	not set	859	–	0
fenthion	whole	0.01	not set	859	–	0
fenvalerate (sum of isomers)	whole	0.01	2	859	0	0
fipronil	whole	0.002	not set	859	–	0
hexythiazox	whole	0.01	not set	859	–	0
imidacloprid	whole	0.01	0.05	859	1	2
indoxacarb	whole	0.01	not set	859	–	0
malathion (maldison)	whole	0.01	8	859	0	0
methacrifos	whole	0.01	not set	859	–	0
methamidophos	whole	0.01	not set	859	–	0
methidathion	whole	0.01	0.01	859	0	0
methiocarb	whole	0.01	not set	859	–	0
methomyl	whole	0.01	0.1	859	0	0
methoprene	whole	0.01	2	859	1	0
methoxychlor	whole	0.01	not set	859	–	0
methoxyfenozide	whole	0.01	not set	859	–	0
mevinphos	whole	0.01	not set	859	–	0
monocrotophos	whole	0.01	not set	859	–	0
omethoate	whole	0.01	0.05	859	0	0
parathion	whole	0.01	not set	859	–	0
parathion-methyl	whole	0.01	not set	859	–	0
permethrin (sum of isomers)	whole	0.01	2	859	0	0
phenothrin (sum of isomers)	whole	0.01	not set	859	–	0
phorate	whole	0.01	not set	859	–	0
phosmet	whole	0.01	0.05	859	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
piperonyl butoxide	whole	0.01	20	859	1	0
pirimicarb	whole	0.01	0.02	859	0	0
pirimiphos-methyl	whole	0.01	7	859	0	0
profenofos	whole	0.01	not set	859	–	0
propargite	whole	0.01	not set	859	–	0
prothiofos	whole	0.01	not set	859	–	0
pymetrozine	whole	0.01	not set	859	–	0
pyrethrins	whole	0.01	3	859	0	0
pyriproxyfen	whole	0.01	not set	859	–	0
spinetoram	whole	0.01	not set	859	–	0
spinosad	whole	0.01	1	859	1	0
spirotetramat	whole	0.01	not set	859	–	0
sulfoxaflor	whole	0.01	0.01	859	0	0
tau-fluvalinate	whole	0.01	not set	859	–	0
tebufenozide	whole	0.01	not set	859	–	0
tebufenpyrad	whole	0.01	not set	859	–	0
terbufos	whole	0.01	0.01	859	0	0
tetradifon	whole	0.01	not set	859	–	0
thiacloprid	whole	0.01	not set	859	–	0
thiamethoxam	whole	0.01	0.01	859	0	0
thiodicarb	whole	0.01	not set	859	–	0
triazofos	whole	0.01	not set	859	–	0
trichlorfon	whole	0.01	0.1	859	0	0
triflumuron	whole	0.01	0.05	859	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	859	0	0
chlordan	whole	0.01	0.02	859	0	0
DDT	whole	0.01	0.1	859	0	0
endosulfan	whole	0.01	not set	859	–	0
endrin	whole	0.01	not set	859	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	859	0	0
HCH (BHC)	whole	0.01	0.1	859	0	0
heptachlor	whole	0.01	0.02	859	0	0
lindane (gamma-HCH)	whole	0.01	0.5	859	0	0
mirex	whole	0.01	not set	859	–	0