Australian Government
Department of Agriculture and Water Resources

Barley residue testing annual datasets 2016–17

National Residue Survey, Department of Agriculture and Water Resources

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.

Disclaimer

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	1342	0	0
benalaxyl	whole	0.01	not set	1342	–	0
bitertanol	whole	0.01	not set	1342	–	0
boscalid	whole	0.01	0.5	1342	0	0
bupirimate	whole	0.01	not set	1342	–	0
captafol	whole	0.02	not set	1342	–	0
captan	whole	0.01	not set	1342	–	0
carbendazim	whole	0.01	not set	1342	–	0
chlorothalonil	whole	0.01	not set	1342	–	0
cyproconazole	whole	0.01	0.02	1342	0	0
cyprodinil	whole	0.01	not set	1342	–	0
difenoconazole	whole	0.01	0.01	1342	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	1342	–	0
dithianon	whole	0.01	not set	1342	–	0
dodine	whole	0.01	not set	1342	–	0
epoxiconazole	whole	0.01	0.05	1342	0	0
etridiazole	whole	0.01	not set	1342	–	0
fenarimol	whole	0.01	not set	1342	–	0
fenhexamid	whole	0.01	not set	1342	–	0
fluazinam	whole	0.01	not set	1342	–	0
fludioxonil	whole	0.01	not set	1342	–	0
fluquinconazole	whole	0.01	0.02	1342	0	0
flusilazole	whole	0.01	not set	1342	–	0
flutriafol	whole	0.01	0.2	1342	0	0
fluxapyroxad	whole	0.01	0.2	1342	0	0
hexaconazole	whole	0.01	not set	1342	–	0
imazalil	whole	0.01	not set	1342	–	0
ipconazole	whole	0.01	0.01	1342	0	0
iprodione	whole	0.01	not set	1342	–	0
kresoxim-methyl	whole	0.01	not set	1342	–	0
metalaxyl	whole	0.01	0.01	1342	0	1
myclobutanil	whole	0.01	not set	1342	–	0
oxadixyl	whole	0.01	not set	1342	–	0
penconazole	whole	0.01	not set	1342	–	0
prochloraz	whole	0.01	not set	1342	–	0
procymidone	whole	0.01	not set	1342	–	0
propiconazole	whole	0.01	0.05	1342	0	0
prothioconazole	whole	0.01	0.3	1342	0	0
pyraclostrobin	whole	0.01	0.01	1342	0	0
pyrimethanil	whole	0.01	not set	1342	–	0
quinoxyfen	whole	0.01	0.01	1342	0	0
spiroxamine-P	whole	0.01	0.05	1342	0	0
tebuconazole	whole	0.01	0.2	1342	0	0
thiabendazole	whole	0.01	not set	1342	–	2
tolclofos methyl	whole	0.01	not set	1342	–	0
triadimefon	whole	0.01	0.5	1342	0	0
triadimenol	whole	0.01	0.01	1342	0	0
trifloxystrobin	whole	0.01	not set	1342	–	0
triticonazole	whole	0.01	0.05	1342	0	0
vinclozolin	whole	0.01	not set	1342	–	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	1342	0	0
2,4-D	whole	0.01	0.2	1342	0	0
amitrole	whole	0.01	0.01	428	0	0
atrazine	whole	0.01	not set	1342	–	0
bromacil	whole	0.01	not set	1342	–	0
bromoxynil	whole	0.01	0.2	1342	0	0
carfentrazone-ethyl	whole	0.01	0.05	1342	0	0
chlorpropham	whole	0.01	not set	1342	–	0
chlorsulfuron	whole	0.01	0.05	1342	0	0
chlorthal-dimethyl	whole	0.01	not set	1342	–	0
clethodim (parent only)	whole	0.01	0.1	1342	0	0
clodinafop-propargyl	whole	0.01	0.02	1342	0	0
clopyralid	whole	0.01	2	1342	0	0
cyanazine	whole	0.01	0.01	1342	0	0
dicamba	whole	0.01	0.05	1342	0	0
dichlobenil	whole	0.01	not set	1342	–	0
dichlorprop-P	whole	0.01	not set	1342	–	0
diclofop-methyl	whole	0.01	0.1	428	0	0
diflufenican	whole	0.01	0.05	1342	0	0
diquat	whole	0.01	5	428	0	0
diuron	whole	0.01	0.1	1342	0	0
ethofumesate	whole	0.01	not set	1342	–	0
fenoxaprop-ethyl	whole	0.01	0.01	428	0	0
flamprop-M-methyl	whole	0.01	not set	428	–	0
fluazifop-p-butyl	whole	0.01	not set	428	–	0
flumetsulam	whole	0.01	0.05	1342	0	0
glufosinate	whole	0.01	not set	428	–	0
glyphosate	whole	0.01	10	428	0	0
haloxyfop	whole	0.01	not set	428	–	0
imazamox	whole	0.01	0.05	1342	0	0
imazapic	whole	0.01	0.02	1342	0	0
imazapyr	whole	0.01	0.05	1342	0	0
imazaquin	whole	0.01	not set	1342	–	0
imazethapyr	whole	0.01	not set	1342	–	0
iodosulfuron-methyl	whole	0.01	0.01	1342	0	0
ioxynil	whole	0.01	not set	1342	–	0
isoxaben	whole	0.01	0.01	1342	0	0
linuron	whole	0.01	0.05	1342	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	1342	0	0
methabenzthiazuron	whole	0.01	not set	1342	–	0
metolachlor	whole	0.01	0.02	1342	0	0
metosulam	whole	0.01	0.02	1342	0	0
metribuzin	whole	0.01	0.05	1342	0	0
metsulfuron-methyl	whole	0.01	0.02	1342	0	0
napropamide	whole	0.01	not set	1342	–	0
norflurazon	whole	0.01	not set	1342	–	0
oryzalin	whole	0.01	0.01	1342	0	0
oxyfluorfen	whole	0.01	0.05	1342	0	0
paraquat	whole	0.01	0.05	428	0	1
pendimethalin	whole	0.01	0.05	1342	0	0
picloram	whole	0.01	0.2	1342	0	0
propachlor	whole	0.01	0.05	1342	0	0
propyzamide	whole	0.01	not set	1342	–	0
quizalofop-ethyl	whole	0.01	not set	428	–	0
quizalofop-P-tefuryl	whole	0.01	not set	428	–	0
saflufenacil	whole	0.01	0.03	1342	0	0
sethoxydim	whole	0.01	0.1	1342	0	0
simazine	whole	0.01	not set	1342	–	0
tralkoxydim	whole	0.01	0.02	1342	0	0
triasulfuron	whole	0.01	0.02	1342	0	0
triclopyr	whole	0.01	not set	1342	–	0
trifluralin	whole	0.01	0.05	1342	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	1342	–	0
acephate	whole	0.01	not set	1342	–	0
acetamiprid	whole	0.01	not set	1342	–	0
aldicarb	whole	0.01	not set	1342	–	0
amitraz	whole	0.01	not set	1342	–	0
azamethiphos	whole	0.01	0.1	1342	0	0
azinphos-methyl	whole	0.01	not set	1342	–	0
bifenazate	whole	0.01	not set	1342	–	0
bifenthrin	whole	0.01	0.02	1342	0	0
bioresmethrin	whole	0.01	not set	1342	–	0
buprofezin	whole	0.01	not set	1342	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	1342	–	0
carbaryl	whole	0.01	15	1342	0	0
carbofuran	whole	0.01	0.2	1342	0	0
chlorantraniliprole	whole	0.01	0.01	1342	0	0
chlorfenapyr	whole	0.01	not set	1342	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	1342	–	0
chlorpyrifos	whole	0.01	0.1	1342	0	0
chlorpyrifos-methyl	whole	0.01	10	1342	0	0
clofentezine	whole	0.01	not set	1342	–	0
clothianidin	whole	0.01	not set	1342	–	0
cyfluthrin (sum of isomers)	whole	0.01	2	1342	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	1342	0	0
cypermethrin (sum of isomers)	whole	0.01	1	1342	0	0
deltamethrin	whole	0.01	2	1342	1	0
diafenthiuron	whole	0.01	not set	1342	–	0
diazinon	whole	0.01	0.1	1342	0	0
dichlorvos	whole	0.01	0.01	1342	0	0
dicofol	whole	0.01	not set	1342	–	0
diflubenzuron	whole	0.01	not set	1342	–	0
dimethoate	whole	0.01	0.05	1342	0	0
disulfoton	whole	0.01	not set	1342	–	0
emamectin	whole	0.01	not set	1342	–	0
esfenvalerate	whole	0.01	2	1342	0	0
ethion	whole	0.01	not set	1342	–	0
ethoprophos	whole	0.005	0.005	1342	0	0
etoxazole	whole	0.01	not set	1342	–	0
fenamiphos	whole	0.01	not set	1342	–	0
fenbutatin oxide	whole	0.01	not set	1342	–	0
fenitrothion	whole	0.01	10	1342	0	0
fenoxycarb	whole	0.01	not set	1342	–	0
fenpyroximate	whole	0.01	not set	1342	–	0
fenthion	whole	0.01	not set	1342	–	0
fenvalerate (sum of isomers)	whole	0.01	2	1342	0	0
fipronil	whole	0.002	not set	1342	–	0
hexythiazox	whole	0.01	not set	1342	–	0
imidacloprid	whole	0.01	0.05	1342	0	2

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	not set	1342	–	0
malathion (maldison)	whole	0.01	8	1342	0	0
methacrifos	whole	0.01	not set	1342	–	0
methamidophos	whole	0.01	not set	1342	–	0
methidathion	whole	0.01	0.01	1342	0	0
methiocarb	whole	0.01	not set	1342	–	0
methomyl	whole	0.01	0.1	1342	0	0
methoprene	whole	0.01	2	1342	0	0
methoxychlor	whole	0.01	not set	1342	–	0
methoxyfenozide	whole	0.01	not set	1342	–	0
mevinphos	whole	0.01	not set	1342	–	0
monocrotophos	whole	0.01	not set	1342	–	0
omethoate	whole	0.01	0.05	1342	0	0
parathion	whole	0.01	not set	1342	–	0
parathion-methyl	whole	0.01	not set	1342	–	0
permethrin (sum of isomers)	whole	0.01	2	1342	0	0
phenothrin (sum of isomers)	whole	0.01	not set	1342	–	0
phorate	whole	0.01	not set	1342	–	0
phosmet	whole	0.01	0.05	1342	0	0
piperonyl butoxide	whole	0.01	20	1342	1	0
pirimicarb	whole	0.01	0.02	1342	0	0
pirimiphos-methyl	whole	0.01	7	1342	0	0
profenofos	whole	0.01	not set	1342	–	0
propargite	whole	0.01	not set	1342	–	0
prothiofos	whole	0.01	not set	1342	–	0
pymetrozine	whole	0.01	not set	1342	–	0
pyrethrins	whole	0.01	3	1342	0	0
pyriproxyfen	whole	0.01	not set	1342	–	0
spinetoram	whole	0.01	not set	1342	–	0
spinosad	whole	0.01	1	1342	2	0
spirotetramat	whole	0.01	not set	1342	–	0
sulfoxaflor	whole	0.01	0.01	1342	0	0
tau-fluvalinate	whole	0.01	not set	1342	–	0
tebufenozide	whole	0.01	not set	1342	–	0
tebufenpyrad	whole	0.01	not set	1342	–	0
terbufos	whole	0.01	0.01	1342	0	0
tetradifon	whole	0.01	not set	1342	–	0
thiacloprid	whole	0.01	not set	1342	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	0.01	1342	0	0
thiodicarb	whole	0.01	not set	1342	–	0
triazofos	whole	0.01	not set	1342	–	0
trichlorfon	whole	0.01	0.1	1342	0	0
triflumuron	whole	0.01	0.05	1342	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	1342	0	0
chlordane	whole	0.01	0.02	1342	0	0
DDT	whole	0.01	0.1	1342	0	0
endosulfan	whole	0.01	not set	1342	–	0
endrin	whole	0.01	not set	1342	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	1342	0	0
HCH (BHC)	whole	0.01	0.1	1342	0	0
heptachlor	whole	0.01	0.02	1342	0	0
lindane (gamma-HCH)	whole	0.01	0.5	1342	0	0
mirex	whole	0.01	not set	1342	–	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	whole	0.005	0.1	107	1	0