



Barley residue testing annual datasets 2015–16

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.

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Table 1 Fungicides

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azoxystrobin	whole	0.01	0.2	832	0	0
benalaxyl	whole	0.01	not set	832	–	0
bitertanol	whole	0.01	not set	832	–	0
boscalid	whole	0.01	0.5	832	0	0
bupirimate	whole	0.01	not set	832	–	0
captafol	whole	0.02	not set	832	–	0
captan	whole	0.02	not set	832	–	0
carbendazim	whole	0.01	not set	832	–	0
chlorothalonil	whole	0.01	not set	832	–	0
cyproconazole	whole	0.01	0.02	832	0	0
cyprodinil	whole	0.01	not set	832	–	0
difenoconazole	whole	0.01	0.01	832	0	2

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	832	–	0
dithianon	whole	0.01	not set	832	–	0
dodine	whole	0.01	not set	832	–	0
epoxiconazole	whole	0.01	0.05	832	0	0
etridiazole	whole	0.01	not set	832	–	0
fenarimol	whole	0.01	not set	832	–	0
fenhexamid	whole	0.01	not set	832	–	0
fluazinam	whole	0.01	not set	832	–	0
fludioxonil	whole	0.01	not set	832	–	0
fluquinconazole	whole	0.01	0.02	832	0	0
flusilazole	whole	0.01	not set	832	–	0
flutriafol	whole	0.01	0.2	832	0	0
fluxapyroxad	whole	0.01	0.2	832	0	0
hexaconazole	whole	0.01	not set	832	–	0
imazalil	whole	0.01	not set	832	–	0
ipconazole	whole	0.01	0.01	832	0	0
iprodione	whole	0.01	not set	832	–	0
kresoxim-methyl	whole	0.01	not set	832	–	0
metalaxyl	whole	0.01	0.01	832	0	0
myclobutanil	whole	0.01	not set	832	–	0
oxadixyl	whole	0.01	not set	832	–	0
penconazole	whole	0.01	not set	832	–	0
prochloraz	whole	0.01	not set	832	–	0
procymidone	whole	0.01	not set	832	–	0
propiconazole	whole	0.01	0.05	832	0	0
prothioconazole	whole	0.01	0.3	832	0	0
pyraclostrobin	whole	0.01	0.01	832	0	0
pyrimethanil	whole	0.01	not set	832	–	0
quinoxifen	whole	0.01	0.01	88	0	0
spiroxamine	whole	0.01	0.05	832	0	0
tebuconazole	whole	0.01	0.2	832	0	0
thiabendazole	whole	0.01	not set	832	–	0
tolclofos methyl	whole	0.01	not set	832	–	0
triadimefon	whole	0.01	0.5	832	0	0
triadimenol	whole	0.01	0.01	832	0	0
trifloxystrobin	whole	0.01	not set	832	–	0
triticonazole	whole	0.01	0.05	832	0	0
vinclozolin	whole	0.01	not set	832	–	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	832	0	0
2,4-D	whole	0.01	0.2	832	0	0
amitrole	whole	0.01	0.01	212	0	0
atrazine	whole	0.01	not set	832	–	0
bromacil	whole	0.01	not set	832	–	0
bromoxynil	whole	0.01	0.2	832	0	0
carfentrazone-ethyl	whole	0.01	0.05	832	0	0
chlorpropham	whole	0.01	not set	832	–	0
chlorsulfuron	whole	0.01	0.05	832	0	0
chlorthal-dimethyl	whole	0.01	not set	832	–	0
clethodim (parent only)	whole	0.01	0.1	832	0	0
clodinafop-propargyl	whole	0.01	0.02	832	0	0
clopyralid	whole	0.01	2	832	0	0
cyanazine	whole	0.01	0.01	832	0	0
dicamba	whole	0.01	0.05	832	0	0
dichlobenil	whole	0.01	not set	832	–	0
dichlorprop-P	whole	0.01	not set	832	–	0
diclofop-methyl	whole	0.01	0.1	212	0	0
diflufenican	whole	0.01	0.05	832	0	0
diquat	whole	0.01	5	212	0	0
diuron	whole	0.01	0.1	832	0	0
ethofumesate	whole	0.01	not set	832	–	0
fenoxaprop-ethyl	whole	0.01	0.01	212	0	0
flamprop-M-methyl	whole	0.01	not set	212	–	0
fluazifop-p-butyl	whole	0.01	not set	212	–	0
flumetsulam	whole	0.01	0.05	832	0	0
glufosinate	whole	0.01	not set	212	–	0
glyphosate	whole	0.01	10	212	0	0
haloxyfop	whole	0.01	not set	212	–	0
imazamox	whole	0.01	0.05	832	0	0
imazapic	whole	0.01	0.02	832	0	0
imazapyr	whole	0.01	0.05	832	0	0
imazaquin	whole	0.01	not set	832	–	0
imazethapyr	whole	0.01	not set	832	–	0
iodosulfuron-methyl	whole	0.01	0.01	832	0	0
ioxynil	whole	0.01	not set	832	–	0
isoxaben	whole	0.01	0.01	832	0	0
linuron	whole	0.01	0.05	832	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	832	0	0
methabenthiazuron	whole	0.01	not set	832	–	0
metolachlor	whole	0.01	0.02	832	0	0
metosulam	whole	0.01	0.02	832	0	0
metribuzin	whole	0.01	0.05	832	0	0
metsulfuron–methyl	whole	0.01	0.02	832	0	0
napropamide	whole	0.01	not set	832	–	0
norflurazon	whole	0.01	not set	832	–	0
oryzalin	whole	0.01	0.01	832	0	0
oxyfluorfen	whole	0.01	0.05	832	0	0
paraquat	whole	0.01	0.05	212	1	0
pendimethalin	whole	0.01	0.05	832	0	0
picloram	whole	0.01	0.2	832	0	0
propachlor	whole	0.01	0.05	832	0	0
propyzamide	whole	0.01	not set	594	–	0
quizalofop–ethyl	whole	0.01	not set	212	–	0
quizalofop–P–tefuryl	whole	0.01	not set	212	–	0
saflufenacil	whole	0.01	0.03	594	0	0
sethoxydim	whole	0.01	0.1	832	0	0
simazine	whole	0.01	not set	832	–	0
tralkoxydim	whole	0.01	0.02	832	0	0
triasulfuron	whole	0.01	0.02	832	0	0
triclopyr	whole	0.01	not set	832	–	0
trifluralin	whole	0.01	0.05	832	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	832	–	0
acephate	whole	0.01	not set	832	–	0
acetamiprid	whole	0.01	not set	832	–	0
aldicarb	whole	0.01	not set	832	–	0
amitraz	whole	0.01	not set	832	–	0
azamethiphos	whole	0.01	0.1	832	0	0
azinphos–methyl	whole	0.01	not set	832	–	0
bifenazate	whole	0.01	not set	832	–	0
bifenthrin	whole	0.01	0.02	832	0	0
bioresmethrin	whole	0.01	not set	832	–	0
buprofezin	whole	0.01	not set	832	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	832	–	0
carbaryl	whole	0.01	15	832	0	0
carbofuran	whole	0.01	0.2	832	0	0
chlorantraniliprole	whole	0.01	0.01	832	0	0
chlorfenapyr	whole	0.01	not set	832	–	0
chlorfenvinphos	whole	0.01	not set	832	–	0
chlorpyrifos	whole	0.01	0.1	832	0	0
chlorpyrifos–methyl	whole	0.01	10	832	0	0
clofentezine	whole	0.01	not set	832	–	0
clothianidin	whole	0.01	not set	832	–	0
cyfluthrin	whole	0.01	2	832	0	0
cyhalothrin	whole	0.01	0.2	832	0	0
cypermethrin	whole	0.01	1	832	0	0
deltamethrin	whole	0.01	2	832	0	0
diafenthiuron	whole	0.01	not set	832	–	0
diazinon	whole	0.01	0.1	832	0	0
dichlorvos	whole	0.01	0.01	832	0	0
dicofol	whole	0.01	not set	832	–	0
diflubenzuron	whole	0.01	2	832	0	0
dimethoate	whole	0.01	0.05	832	0	0
disulfoton	whole	0.01	not set	832	–	0
emamectin	whole	0.01	not set	832	–	0
endosulfan	whole	0.01	not set	832	–	0
esfenvalerate	whole	0.01	2	832	0	0
ethion	whole	0.01	not set	832	–	0
ethoprophos	whole	0.005	0.005	832	0	0
etoxazole	whole	0.01	not set	832	–	0
fenamiphos	whole	0.01	not set	832	–	0
fenbutatin oxide	whole	0.01	not set	832	–	0
fenitrothion	whole	0.01	10	832	0	0
fenoxycarb	whole	0.01	not set	832	–	0
fenpyroximate	whole	0.01	not set	832	–	0
fenthion	whole	0.01	not set	832	–	0
fenvalerate	whole	0.01	2	832	0	0
fipronil	whole	0.005	not set	832	–	0
hexythiazox	whole	0.01	not set	832	–	0
imidacloprid	whole	0.01	0.05	832	0	1
indoxacarb	whole	0.01	not set	832	–	0
malathion (maldison)	whole	0.01	8	832	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methacrifos	whole	0.01	not set	832	–	0
methamidophos	whole	0.01	not set	832	–	0
methidathion	whole	0.01	0.01	832	0	0
methiocarb	whole	0.01	not set	832	–	0
methomyl	whole	0.01	0.1	832	0	0
methoprene	whole	0.01	2	832	0	0
methoxychlor	whole	0.01	not set	832	–	0
methoxyfenozide	whole	0.01	not set	832	–	0
mevinphos	whole	0.01	not set	832	–	0
monocrotophos	whole	0.01	not set	832	–	0
omethoate	whole	0.01	0.05	832	0	0
parathion	whole	0.01	not set	832	–	0
parathion–methyl	whole	0.01	not set	832	–	0
permethrin	whole	0.01	2	832	0	0
phenothrin	whole	0.01	not set	832	–	0
phorate	whole	0.01	not set	832	–	0
phosmet	whole	0.01	0.05	832	0	0
piperonyl butoxide	whole	0.01	20	832	0	0
pirimicarb	whole	0.01	0.02	832	0	0
pirimiphos–methyl	whole	0.01	7	832	0	0
profenofos	whole	0.01	not set	832	–	0
propargite	whole	0.01	not set	832	–	0
prothiofos	whole	0.01	not set	832	–	0
pymetrozine	whole	0.01	not set	832	–	0
pyrethrins	whole	0.01	3	832	0	0
pyriproxyfen	whole	0.01	not set	832	–	0
spinetoram	whole	0.01	not set	832	–	0
spinosad	whole	0.01	1	832	2	0
spirotetramat	whole	0.01	not set	832	–	0
sulfoxaflor	whole	0.01	0.01	832	0	0
tau–fluvalinate	whole	0.01	not set	832	–	0
tebufenozide	whole	0.01	not set	832	–	0
tebufenpyrad	whole	0.01	not set	832	–	0
terbufos	whole	0.01	0.01	832	0	0
tetradifon	whole	0.01	not set	832	–	0
thiacloprid	whole	0.01	not set	832	–	0
thiamethoxam	whole	0.01	0.01	832	0	0
thiodicarb	whole	0.01	not set	832	–	0
triazofos	whole	0.01	not set	832	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.1	832	0	0
triflumuron	whole	0.01	0.05	832	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	832	0	0
chlordane	whole	0.01	0.02	832	0	0
DDT	whole	0.01	0.1	832	0	0
endrin	whole	0.01	not set	832	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	832	0	0
HCH (or BHC)	whole	0.01	0.1	832	0	0
heptachlor	whole	0.01	0.02	832	0	0
lindane (gamma-HCH)	whole	0.01	0.5	832	0	0
mirex	whole	0.01	not set	832	–	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	91	0	0