Australian Government
Department of Agriculture and Water Resources

Barley residue testing annual datasets 2014–15

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)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azoxystrobin	whole	0.01	0.2	921	1	2
benalaxyl	whole	0.01	not set	914	0	0
benomyl	whole	0.01	not set			
bitertanol	whole	0.01	not set	914	0	0
boscalid	whole	0.01	0.5	914	0	0
bupirimate	whole	0.01	not set	914	0	0
captafol	whole	0.02	not set	921	0	0
captan	whole	0.02	not set	921	0	0
carbendazim	whole	0.01	not set	921	0	0
chlorothalonil	whole	0.01	not set	921	0	0
cyproconazole	whole	0.01	0.02	921	0	0
cyprodinil	whole	0.01	not set	914	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	0.01	921	0	0
dimethomorph	whole	0.01	not set	914	0	0
dithianon	whole	0.01	not set	914	0	0
dodine	whole	0.01	not set	914	0	0
epoxiconazole	whole	0.01	0.05	921	0	0
etridiazole	whole	0.01	not set	921	0	0
fenarimol	whole	0.01	not set	914	0	0
fenhexamid	whole	0.01	not set	914	0	0
fluazinam	whole	0.01	not set	914	0	0
fludioxonil	whole	0.01	not set	914	0	0
fluquinconazole	whole	0.01	0.02	921	0	0
flusilazole	whole	0.01	not set	914	0	0
flutriafol	whole	0.01	0.2	921	0	0
fluxapyroxad	whole	0.01	0.2	921	0	0
hexaconazole	whole	0.01	not set	921	0	0
imazalil	whole	0.01	not set	914	0	0
ipconazole	whole	0.01	0.01	921	0	0
iprodione	whole	0.01	not set	921	0	0
kresoxim-methyl	whole	0.01	not set	914	0	0
metalaxyl	whole	0.01	0.01	914	0	0
myclobutanil	whole	0.01	not set	914	0	0
oxadixyl	whole	0.01	not set	914	0	0
penconazole	whole	0.01	not set	921	0	0
prochloraz	whole	0.01	not set	914	0	0
procymidone	whole	0.01	not set	921	0	0
propiconazole	whole	0.01	0.05	921	0	0
prothioconazole	whole	0.01	0.3	921	0	0
pyraclostrobin	whole	0.01	0.01	921	0	0
pyrimethanil	whole	0.01	not set	914	0	0
spiroxamine	whole	0.01	0.05	914	0	0
tebuconazole	whole	0.01	0.2	921	0	0
thiabendazole	whole	0.01	not set	921	0	0
tolclofos methyl	whole	0.01	not set	914	0	0
triadimefon	whole	0.01	0.5	921	0	0
triadimenol	whole	0.01	0.01	921	0	0
trifloxystrobin	whole	0.01	not set	914	0	0
triticonazole	whole	0.01	0.05	921	0	0
vinclozolin	whole	0.01	not set	914	0	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	914	0	0
2,4-D	whole	0.01	0.2	921	0	0
amitrole	whole	0.01	0.01	205	0	0
atrazine	whole	0.01	not set	921	0	0
bromacil	whole	0.01	not set	914	0	0
bromoxynil	whole	0.01	0.2	921	0	0
carfentrazone-ethyl	whole	0.01	0.05	921	0	0
chlorpropham	whole	0.01	not set			
chlorsulfuron	whole	0.01	0.05	921	0	0
chlorthal-dimethyl	whole	0.01	not set	914	0	0
clethodim	whole	0.01	0.1	921	0	0
clodinafop-propargyl	whole	0.01	0.02	921	0	0
clopyralid	whole	0.01	2	921	0	0
cyanazine	whole	0.01	0.01	914	0	0
dicamba	whole	0.01	0.05	921	0	0
dichlobenil	whole	0.01	not set	914	0	0
dichlorprop-P	whole	0.01	not set	914	0	0
diclofop-methyl	whole	0.01	0.1	205	0	0
diflufenican	whole	0.01	0.05	921	0	0
diquat	whole	0.01	5	205	0	0
diuron	whole	0.01	0.1	921	0	0
ethofumesate	whole	0.01	not set	914	0	0
fenoxaprop-ethyl	whole	0.01	0.01	205	0	0
flamprop-M-methyl	whole	0.01	not set	205	0	0
fluazifop-p-butyl	whole	0.01	not set	205	0	0
flumetsulam	whole	0.01	0.05	72	0	0
glufosinate	whole	0.01	not set	205	0	0
glyphosate	whole	0.01	10	205	0	0
haloxyfop	whole	0.01	not set	205	0	0
imazamox	whole	0.01	0.05	921	0	0
imazapic	whole	0.01	not set	921	0	0
imazapyr	whole	0.01	0.05	921	0	0
imazaquin	whole	0.01	not set	921	0	0
imazethapyr	whole	0.01	not set	921	0	0
iodosulfuron-methyl	whole	0.01	0.01	921	0	0
ioxynil	whole	0.01	not set	914	0	0
isoxaben	whole	0.01	0.01	914	0	0
linuron	whole	0.01	0.05	914	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	921	0	0
methabenthiazuron	whole	0.01	not set	914	0	0
metolachlor	whole	0.01	0.02	921	0	0
metosulam	whole	0.01	0.02	921	0	0
metribuzin	whole	0.01	0.05	914	0	0
metsulfuron-methyl	whole	0.01	0.02	921	0	0
napropamide	whole	0.01	not set	914	0	0
norflurazon	whole	0.01	not set	914	0	0
oryzalin	whole	0.01	0.01	914	0	0
oxyfluorfen	whole	0.01	0.05	914	0	0
paraquat	whole	0.01	0.05	205	2	1
pendimethalin	whole	0.01	0.05	921	0	0
picloram	whole	0.01	0.2	921	0	0
propachlor	whole	0.01	0.05	914	0	0
quizalofop-ethyl	whole	0.01	not set	203	0	0
quizalofop-P-tefuryl	whole	0.01	not set	203	0	0
sethoxydim	whole	0.01	0.1	921	0	0
simazine	whole	0.01	not set	921	0	0
tralkoxydim	whole	0.01	0.02	921	0	0
triasulfuron	whole	0.01	0.02	921	0	0
triclopyr	whole	0.01	not set	921	0	0
trifluralin	whole	0.01	0.05	921	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	914	0	0
acephate	whole	0.01	not set	914	0	0
acetamiprid	whole	0.01	not set	921	0	0
aldicarb	whole	0.01	not set	914	0	0
amitraz	whole	0.01	not set	921	0	0
azamethiphos	whole	0.01	0.1	921	0	0
azinphos-methyl	whole	0.01	not set	914	0	0
bifenazate	whole	0.01	not set	914	0	0
bifenthrin	whole	0.01	0.02	921	0	0
bioresmethrin	whole	0.01	not set	921	0	0
buprofezin	whole	0.01	not set	914	0	0
cadusafos	whole	0.01	not set	914	0	0
carbaryl	whole	0.01	15	921	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
carbofuran	whole	0.01	0.2	914	0	0
chlorantraniliprole	whole	0.01	0.01	914	0	0
chlorfenapyr	whole	0.01	not set	921	0	0
chlorfenvinphos	whole	0.01	not set	921	0	0
chlorpropham	whole	0.01	not set	914	0	0
chlorpyrifos	whole	0.01	0.1	921	0	0
chlorpyrifos-methyl	whole	0.01	10	921	0	0
clofentezine	whole	0.01	not set	914	0	0
clothianidin	whole	0.01	not set	914	0	0
cyfluthrin	whole	0.01	2	921	0	0
cyhalothrin	whole	0.01	0.2	921	0	0
cypermethrin	whole	0.01	1	921	0	0
deltamethrin	whole	0.01	2	921	0	0
diafenthiuron	whole	0.01	not set	921	0	0
diazinon	whole	0.01	0.1	921	0	0
dichlorvos	whole	0.01	5	921	0	0
diflubenzuron	whole	0.01	2	921	0	0
dimethoate	whole	0.01	0.05	921	0	0
disulfoton	whole	0.01	not set	914	0	0
emamectin	whole	0.01	not set	921	0	0
esfenvalerate	whole	0.01	2	921	0	0
ethion	whole	0.01	not set	921	0	0
ethoprophos	whole	0.005	0.005	921	0	0
etoxazole	whole	0.01	not set	914	0	0
fenamiphos	whole	0.01	not set	914	0	0
fenbutatin oxide	whole	0.01	not set	914	0	0
fenitrothion	whole	0.01	10	921	1	0
fenoxycarb	whole	0.01	not set	914	0	0
fenpyroximate	whole	0.01	not set	914	0	0
fenthion	whole	0.01	not set	914	0	0
fenvalerate	whole	0.01	2	921	0	0
fipronil	whole	0.005	not set	921	0	0
hexythiazox	whole	0.01	not set	914	0	0
imidacloprid	whole	0.01	0.05	921	1	0
indoxacarb	whole	0.01	not set	921	0	0
malathion (maldison)	whole	0.01	8	921	0	0
methacrifos	whole	0.01	not set	921	0	0
methamidophos	whole	0.01	not set	914	0	0
methidathion	whole	0.01	0.01	921	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methiocarb	whole	0.01	not set	914	0	0
methomyl	whole	0.01	0.1	921	0	0
methoprene	whole	0.01	2	921	0	0
methoxyfenozide	whole	0.01	not set	914	0	0
mevinphos	whole	0.01	not set	914	0	0
monocrotophos	whole	0.01	not set	914	0	0
omethoate	whole	0.01	0.05	921	0	0
parathion	whole	0.01	not set	914	0	0
parathion-methyl	whole	0.01	not set	914	0	0
permethrin	whole	0.01	2	921	0	0
phenothrin	whole	0.01	not set	921	0	0
phorate	whole	0.01	not set	914	0	0
phosmet	whole	0.01	0.05	921	0	0
piperonyl butoxide	whole	0.01	20	921	0	0
pirimicarb	whole	0.01	0.02	921	0	0
pirimiphos-methyl	whole	0.01	7	921	0	0
profenofos	whole	0.01	not set	921	0	0
propargite	whole	0.01	not set	914	0	0
prothiofos	whole	0.01	not set	914	0	0
pymetrozine	whole	0.01	not set	914	0	0
pyrethrins	whole	0.01	3	914	0	0
pyriproxyfen	whole	0.01	not set	921	0	0
spinetoram	whole	0.01	not set	914	0	0
spinosad	whole	0.01	1	921	1	0
spirotetramat	whole	0.01	not set	914	0	0
sulfoxaflor	whole	0.01	0.01	473	0	0
tau-fluvalinate	whole	0.01	not set	914	0	0
tebufenozide	whole	0.01	not set	914	0	0
tebufenpyrad	whole	0.01	not set	914	0	0
terbufos	whole	0.01	0.01	921	0	0
tetradifon	whole	0.01	not set	914	0	0
thiacloprid	whole	0.01	not set	914	0	0
thiamethoxam	whole	0.01	0.01	914	0	0
thiodicarb	whole	0.01	not set	921	0	0
triazofos	whole	0.01	not set	914	0	0
trichlorfon	whole	0.01	0.1	921	0	0
triflumuron	whole	0.01	0.05	921	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	921	0	0
arsenic	whole	0.05	1	41	0	0
cadmium	whole	0.01	no limit	41	0	0
chlordane	whole	0.01	0.02	921	0	0
copper	whole	0.05	no limit	41	0	0
DDT	whole	0.01	0.1	921	0	0
dicofol	whole	0.01	not set	921	0	0
endosulfan	whole	0.01	not set	921	0	0
endrin	whole	0.01	not set	921	0	0
HCB (hexachlorobenzene)	whole	0.01	0.05	921	0	0
HCH (or BHC)	whole	0.01	0.1	921	0	0
heptachlor	whole	0.01	0.02	921	0	0
lead	whole	0.01	0.2	41	0	0
lindane (gamma-HCH)	whole	0.01	0.5	921	0	0
mercury	whole	0.01	no limit	41	0	0
methoxychlor	whole	0.01	not set	921	0	0
mirex	whole	0.01	not set	921	0	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine	Whole	0.005	0.1	96	1	0