



Australian Government

Department of Agriculture, Fisheries and Forestry

Barley residue testing annual datasets 2023-24

National Residue Survey (NRS), Department of Agriculture, Fisheries and Forestry

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, retina 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: CONTAMINANTS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	Whole	0.01	0.02	1239	0	0
chlordane	Whole	0.01	0.02	1239	0	0
DDT	Whole	0.01	0.1	1239	0	0
endosulfan	Whole	0.01	not set	1239	-	-
endrin	Whole	0.01	not set	1239	-	-
HCB (hexachlorobenzene)	Whole	0.01	0.05	1239	0	0
HCH (BHC)	Whole	0.01	0.1	1239	0	0
heptachlor	Whole	0.01	0.02	1239	0	0
lindane (gamma-HCH)	Whole	0.01	0.5	1239	0	0
mirex	Whole	0.01	not set	1239	-	-

Table 2: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
azoxystrobin	Whole	0.01	0.2	1239	0	0
benalaxyl	Whole	0.01	not set	1239	-	-
benzovindiflupyr	Whole	0.01	0.2	1239	0	0
bitertanol	Whole	0.01	not set	1239	-	-
bixafen	Whole	0.01	0.01	1239	0	0
boscalid	Whole	0.01	0.5	1239	0	0
bupirimate	Whole	0.01	not set	1239	-	-
captafol	Whole	0.01	not set	1239	-	-
captan	Whole	0.01	not set	1239	-	-
carbendazim	Whole	0.01	not set	1239	-	-
carboxin	Whole	0.01	0.1	1239	0	0
carboxin sulfoxide	Whole	0.01	not set	1239	-	-
chlorothalonil	Whole	0.01	not set	1239	-	-
cyproconazole	Whole	0.01	0.02	1239	0	0
cyprodinil	Whole	0.01	not set	1239	-	-
difenoconazole	Whole	0.01	0.01	1239	0	1
dimethomorph	Whole	0.01	not set	1239	-	-
dithianon	Whole	0.01	not set	1239	-	-
dodine	Whole	0.01	not set	1239	-	-
epoxiconazole	Whole	0.01	0.05	1239	0	0
etridiazole	Whole	0.01	not set	1239	-	-
fenarimol	Whole	0.01	not set	1239	-	-
fenbuconazole	Whole	0.01	not set	1239	-	-
fenhexamid	Whole	0.01	not set	1239	-	-
florylpicoxamid	Whole	0.01	not set	775	-	-
fluazinam	Whole	0.01	not set	1239	-	-
fludioxonil	Whole	0.01	not set	1239	-	-
fluopicolide	Whole	0.01	0.01	1239	0	0
fluopyram	Whole	0.01	0.03	1239	0	0
fluquinconazole	Whole	0.01	0.02	1239	0	0
flusilazole	Whole	0.01	not set	1239	-	-
flutriafol	Whole	0.01	0.2	1239	1	0
fluxapyroxad	Whole	0.01	0.2	1239	0	0
hexaconazole	Whole	0.01	not set	1239	-	-
imazalil	Whole	0.01	not set	1239	-	-
ipconazole	Whole	0.01	0.01	1239	0	0
iprodione	Whole	0.01	not set	1239	-	-
isoprothiolane	Whole	0.01	not set	1239	-	-
isopyrazam	Whole	0.01	not set	1239	-	-

kresoxim-methyl	Whole	0.01	not set	1239	-	-
metalaxyl	Whole	0.01	0.01	1239	0	1
myclobutanil	Whole	0.01	not set	1239	-	-
oxadixyl	Whole	0.01	not set	1239	-	-
penconazole	Whole	0.01	not set	1239	-	-
penflufen	Whole	0.01	0.01	1239	0	0
prochloraz	Whole	0.01	not set	1239	-	-
procymidone	Whole	0.01	not set	1239	-	-
propiconazole	Whole	0.01	0.05	1239	0	0
prothioconazole	Whole	0.01	0.3	1239	0	0
pydiflumetofen	Whole	0.01	0.05	1239	0	0
pyraclostrobin	Whole	0.01	0.01	1239	0	0
pyrimethanil	Whole	0.01	not set	1239	-	-
quinoxifen	Whole	0.01	0.01	1239	0	0
quintozene	Whole	0.01	not set	1239	-	-
sedaxane	Whole	0.01	0.01	1239	0	1
spiroxamine	Whole	0.01	0.03	1239	0	0
tebuconazole	Whole	0.01	0.2	1239	0	0
thiabendazole	Whole	0.01	not set	1239	-	-
tolclofos methyl	Whole	0.01	not set	1239	-	-
triadimefon	Whole	0.01	0.5	1239	0	0
triadimenol	Whole	0.01	0.01	1239	0	0
trifloxystrobin	Whole	0.01	not set	1239	-	-
triticonazole	Whole	0.01	0.05	1239	0	0
uniconazole-P	Whole	0.01	not set	1239	-	-
vinclozolin	Whole	0.01	not set	1239	-	-

Table 3: HERBICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
2,2-DPA (2,2-dichloropropionic acid)	Whole	0.01	0.1	1239	0	0
2,4-D	Whole	0.01	0.2	1239	0	0
2,4-DB	Whole	0.01	0.02	1239	0	0
acifluorfen	Whole	0.01	not set	1239	-	-
aclonifen	Whole	0.01	0.01	775	0	0
ametryn	Whole	0.01	not set	1239	-	-
aminopyralid	Whole	0.01	0.1	1239	0	0
amitrole	Whole	0.01	0.01	424	0	0
atrazine	Whole	0.01	not set	1239	-	-
bentazone	Whole	0.01	not set	1239	-	-

bicyclopyrone	Whole	0.01	0.02	1239	0	0
bixlozone	Whole	0.01	0.01	1239	0	0
bromacil	Whole	0.01	not set	1239	-	-
bromoxynil	Whole	0.01	0.2	1239	0	0
butafenacil	Whole	0.01	0.02	1239	0	0
butoxydim	Whole	0.01	not set	1239	-	-
carfentrazone-ethyl	Whole	0.01	0.05	1239	0	0
chlormequat	Whole	0.01	not set	430	0	0
chlorpropham	Whole	0.01	not set	1239	-	-
chlorsulfuron	Whole	0.01	0.05	1239	0	0
chlorthal-dimethyl	Whole	0.01	not set	1239	-	-
cinmethylin	Whole	0.01	not set	1239	-	-
clethodim	Whole	0.01	0.1	1239	0	0
clodinafop acid	Whole	0.01	not set	1239	-	-
clodinafop-propargyl	Whole	0.01	0.02	1239	0	0
clomazone	Whole	0.01	not set	1239	-	-
clopyralid	Whole	0.01	2	1239	0	0
cloquintocet-mexyl	Whole	0.01	0.1	1239	0	0
cyanazine	Whole	0.01	0.01	1239	0	0
dicamba	Whole	0.01	0.05	1239	0	0
dichlobenil	Whole	0.01	not set	1239	-	-
dichlorprop-P	Whole	0.01	not set	430	-	-
diclofop-methyl	Whole	0.01	0.1	430	0	0
diflufenican	Whole	0.01	0.05	1239	0	0
dimethenamid-P	Whole	0.01	not set	1239	-	-
diquat	Whole	0.01	5	430	0	0
diuron	Whole	0.01	0.1	1239	0	0
EPTC	Whole	0.01	0.04	1239	0	0
ethofumesate	Whole	0.01	not set	1239	-	-
fenoxaprop-ethyl	Whole	0.01	0.01	1239	0	0
flamprop-M-methyl	Whole	0.01	not set	430	-	-
florasulam	Whole	0.01	0.01	1239	0	0
florpyrauxifen-benzyl	Whole		not set	1239	-	-
fluazifop-p-butyl	Whole	0.01	not set	430	-	-
flumetsulam	Whole	0.01	0.05	1239	0	0
flumioxazin	Whole	0.01	0.05	1239	0	0
fluroxypyr	Whole	0.01	0.2	1239	0	0
fomesafen	Whole	0.01	not set	1239	-	-
glufosinate	Whole	0.01	0.1	430	0	0
glyphosate	Whole	0.01	20	430	0	0
halauxifen-methyl	Whole	0.01	0.01	1239	0	0
halosulfuron-methyl	Whole	0.01	not set	1239	-	-

haloxyfop	Whole	0.005	not set	424	-	-
imazamox	Whole	0.01	0.05	265	0	0
imazapic	Whole	0.01	0.02	265	0	0
imazapyr	Whole	0.01	0.7	265	0	0
imazaquin	Whole	0.01	not set	265	-	-
imazethapyr	Whole	0.01	not set	265	-	-
iodosulfuron-methyl	Whole	0.01	0.01	1239	0	0
ioxynil	Whole	0.01	not set	1239	-	-
isoxaben	Whole	0.01	0.01	1239	0	0
isoxaflutole	Whole	0.01	0.02	1239	0	0
linuron	Whole	0.01	0.05	1239	0	0
MCPA	Whole	0.01	0.02	1239	0	0
MCPB	Whole	0.01	0.02	1239	0	0
mefenpyr-diethyl	Whole	0.01	0.01	1239	0	0
mesotrione	Whole	0.01	0.01	1239	0	0
metamitron	Whole	0.01	not set	1239	-	-
metazachlor	Whole	0.01	0.03	1239	0	0
methabenzthiazuron	Whole	0.01	not set	1239	-	-
metolachlor	Whole	0.01	0.02	1239	0	0
metosulam	Whole	0.01	0.02	1239	0	0
metribuzin	Whole	0.01	0.05	1239	0	0
metsulfuron-methyl	Whole	0.01	0.02	1239	0	0
napropamide	Whole	0.01	not set	1239	-	-
norflurazon	Whole	0.01	not set	1239	-	-
oryzalin	Whole	0.01	0.01	1239	0	0
oxyfluorfen	Whole	0.01	0.05	1239	0	0
paraquat	Whole	0.01	0.05	424	2	1
pendimethalin	Whole	0.01	0.05	1239	0	0
picloram	Whole	0.01	0.2	1239	0	0
picolinafen	Whole	0.01	0.02	1239	0	0
pinoxaden (parent)	Whole	0.01	0.1	1239	0	0
prometryn	Whole	0.01	0.1	1239	0	0
propachlor	Whole	0.01	0.05	1239	0	0
propaquizafop	Whole	0.01	not set	424	-	-
propyzamide	Whole	0.01	not set	1239	-	-
prosulfocarb	Whole	0.01	0.01	1239	0	0
pyraflufen-ethyl	Whole	0.01	0.02	1239	0	0
pyrasulfotole	Whole	0.01	0.02	1239	0	0
pyroxasulfone	Whole	0.01	0.01	1239	0	0
pyroxsulam	Whole	0.01	not set	1239	-	-
quizalofop-ethyl	Whole	0.01	0.02	424	0	0
quizalofop-P-tefuryl	Whole	0.01	not set	424	-	-

saflufenacil	Whole	0.01	0.2	1239	0	0
sethoxydim	Whole	0.01	0.1	1239	0	0
simazine	Whole	0.01	not set	1239	-	-
sulfosulfuron	Whole	0.01	not set	1239	-	-
terbuthylazine	Whole	0.01	0.01	1239	0	0
terbutryn	Whole	0.01	0.1	1239	0	0
tiafenacil	Whole	0.01	0.01	1239	0	0
topramezone	Whole	0.01	0.01	1239	0	0
tralkoxydim	Whole	0.01	0.02	1239	0	0
triallate	Whole	0.01	0.05	1239	0	0
triasulfuron	Whole	0.01	0.02	1239	0	0
tribenuron-methyl	Whole	0.01	0.01	1239	0	0
triclopyr	Whole	0.01	not set	1239	-	-
trifludimoxazin	Whole	0.01	0.01	1239	0	0
trifluralin	Whole	0.01	0.05	1239	0	0

Table 4: INSECTICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
abamectin	Whole	0.01	not set	1239	-	-
acephate	Whole	0.01	not set	1239	-	-
acetamiprid	Whole	0.01	not set	1239	-	-
aldicarb	Whole	0.01	not set	1239	-	-
amitraz	Whole	0.01	not set	1239	-	-
azamethiphos	Whole	0.01	0.1	1239	0	0
azinphos-methyl	Whole	0.01	not set	1239	-	-
bifenazate	Whole	0.01	not set	1239	-	-
bifenthrin	Whole	0.01	0.02	1239	0	0
bioresmethrin	Whole	0.01	not set	1239	-	-
buprofezin	Whole	0.01	0.01	1239	0	0
cadusafos	Whole	0.01	not set	1239	-	-
carbaryl	Whole	0.01	15	1239	0	0
carbofuran	Whole	0.01	not set	1239	-	-
chlorantraniliprole	Whole	0.01	0.1	1239	0	0
chlorfenapyr	Whole	0.01	not set	1239	-	-
chlorfenvinphos	Whole	0.01	not set	1239	-	-
chlorpyrifos	Whole	0.01	0.1	1239	0	1
chlorpyrifos-methyl	Whole	0.01	10	1239	0	0
clofentezine	Whole	0.01	not set	1239	-	-
clothianidin	Whole	0.01	0.02	1239	0	0
cyantraniliprole	Whole	0.01	0.05	1239	0	0

cyfluthrin	Whole	0.01	not set	1239	-	-
cyhalothrin	Whole	0.01	0.2	1239	0	0
cypermethrin	Whole	0.01	1	1239	0	0
deltamethrin	Whole	0.01	2	1239	0	0
diafenthiuron	Whole	0.01	not set	1239	-	-
diazinon	Whole	0.01	0.1	1239	0	0
dichlorvos	Whole	0.01	0.01	1239	0	2
dicofol	Whole	0.01	not set	1239	-	-
diflubenzuron	Whole	0.01	not set	1239	-	-
dimethoate	Whole	0.01	0.5	1239	0	0
dinotefuran	Whole	0.01	not set	1239	-	-
disulfoton	Whole	0.01	not set	1239	-	-
emamectin	Whole	0.01	not set	1239	-	-
ethion	Whole	0.01	not set	1239	-	-
ethoprophos	Whole	0.005	not set	1239	-	-
etoxazole	Whole	0.01	not set	1239	-	-
fenamiphos	Whole	0.01	not set	1239	-	-
fenbutatin oxide	Whole	0.01	not set	1239	-	-
fenitrothion	Whole	0.01	10	1239	1	0
fenoxycarb	Whole	0.01	not set	1239	-	-
fenpyroximate	Whole	0.01	not set	1239	-	-
fenthion	Whole	0.01	not set	1239	-	-
fenvalerate	Whole	0.01	2	1239	0	0
fipronil	Whole	0.002	not set	1239	-	-
flonicamid	Whole	0.01	not set	1239	-	-
fluensulfone	Whole	0.01	0.05	1239	0	0
flupyradifurone	Whole	0.01	0.2	1239	0	0
hexythiazox	Whole	0.01	not set	1239	-	-
imidacloprid	Whole	0.01	0.05	1239	0	1
indoxacarb	Whole	0.01	not set	1239	-	-
malathion	Whole	0.01	8	1239	0	0
methacrifos	Whole	0.01	not set	1239	-	-
methamidophos	Whole	0.01	not set	1239	-	-
methidathion	Whole	0.01	not set	1239	-	-
methiocarb	Whole	0.01	not set	1239	-	-
methomyl	Whole	0.01	0.1	1239	0	0
methoprene	Whole	0.01	2	1239	1	0
methoxychlor	Whole	0.01	not set	1239	-	-
methoxyfenozide	Whole	0.01	not set	1239	-	-
mevinphos	Whole	0.01	not set	1239	-	-
monocrotophos	Whole	0.01	not set	1239	-	-
omethoate	Whole	0.01	0.05	1239	0	0

parathion	Whole	0.01	not set	1239	-	-
parathion-methyl	Whole	0.01	not set	1239	-	-
permethrin	Whole	0.01	2	1239	0	0
phenothrin	Whole	0.01	not set	1239	-	-
phorate	Whole	0.01	not set	1239	-	-
phosmet	Whole	0.01	0.05	1239	0	0
piperonyl butoxide	Whole	0.01	20	1239	0	0
pirimicarb	Whole	0.01	0.02	1239	0	0
pirimiphos-methyl	Whole	0.01	7	1239	0	0
profenofos	Whole	0.01	not set	1239	-	-
propargite	Whole	0.01	not set	1239	-	-
prothiofos	Whole	0.01	not set	1239	-	-
pymetrozine	Whole	0.01	not set	1239	-	-
pyrethrins	Whole	0.01	3	1239	0	0
pyriproxyfen	Whole	0.01	not set	1239	-	-
spinetoram	Whole	0.01	not set	1239	-	-
spinosad	Whole	0.01	1	1239	1	0
spirotetramat	Whole	0.01	not set	1239	-	-
sulfoxaflor	Whole	0.01	0.2	1239	0	0
tau-fluvalinate	Whole	0.01	not set	1239	-	-
tebufenozide	Whole	0.01	not set	1239	-	-
tebufenpyrad	Whole	0.01	not set	1239	-	-
terbufos	Whole	0.01	0.01	1239	0	0
tetradifon	Whole	0.01	not set	1239	-	-
tetraniliprole	Whole	0.01	not set	775	-	-
thiacloprid	Whole	0.01	not set	1239	-	-
thiamethoxam	Whole	0.01	0.01	1239	1	2
thiodicarb	Whole	0.01	not set	1239	-	-
triazofos	Whole	0.01	not set	1239	-	-
trichlorfon	Whole	0.01	0.1	1239	0	0
triflumuron	Whole	0.01	0.05	1239	0	0

Table 5: PHYSIOLOGICAL MODIFIER

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
forchlorfenuron	Whole	0.01	not set	1239	-	-
prohexadione-calcium	Whole	0.01	not set	1239	-	-
trinexapac-ethyl	Whole	0.01	0.2	1239	0	0

