



Australian Government

Department of Agriculture, Fisheries and Forestry

Barley residue testing annual datasets 2022-23

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	1097	0	0
chlordane	Whole	0.01	0.02	1097	0	0
DDT	Whole	0.01	0.1	1097	0	0
endosulfan	Whole	0.01	not set	1097	-	-
endrin	Whole	0.01	not set	1097	-	-
HCB (hexachlorobenzene)	Whole	0.01	0.05	1097	0	0
HCH (BHC)	Whole	0.01	0.1	1097	0	0
heptachlor	Whole	0.01	0.02	1097	0	0
lindane (gamma-HCH)	Whole	0.01	0.5	1097	0	0
mirex	Whole	0.01	not set	1097	-	-

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	1097	0	0
benalaxyl	Whole	0.01	not set	1097	-	-
benzovindiflupyr	Whole	0.01	0.2	1097	0	0
bitertanol	Whole	0.01	not set	1097	-	-
bixafen	Whole	0.01	0.01	1097	0	0
boscalid	Whole	0.01	0.5	1097	0	0
bupirimate	Whole	0.01	not set	1097	-	-
captafol	Whole	0.01	not set	1097	-	-
captan	Whole	0.01	not set	1097	-	-
carbendazim	Whole	0.01	not set	1097	-	-
carboxin	Whole	0.01	0.1	1097	0	0
chlorothalonil	Whole	0.01	not set	1097	-	-
cyproconazole	Whole	0.01	0.02	1097	0	0
cyprodinil	Whole	0.01	not set	1097	-	-
difenoconazole	Whole	0.01	0.01	1097	0	0
dimethomorph	Whole	0.01	not set	1097	-	-
dithianon	Whole	0.01	not set	1097	-	-
dodine	Whole	0.01	not set	1097	-	-
epoxiconazole	Whole	0.01	0.05	1097	0	0
etridiazole	Whole	0.01	not set	1097	-	-
fenarimol	Whole	0.01	not set	1097	-	-
fenbuconazole	Whole	0.01	not set	1097	-	-
fenhexamid	Whole	0.01	not set	1097	-	-
fluazinam	Whole	0.01	not set	1097	-	-
fludioxonil	Whole	0.01	not set	1097	-	-
fluopicolide	Whole	0.01	0.01	1097	0	0
fluopyram	Whole	0.01	0.03	1097	0	0
fluquinconazole	Whole	0.01	0.02	1097	0	0
flusilazole	Whole	0.01	not set	1097	-	-
flutriafol	Whole	0.01	0.2	1097	0	0
fluxapyroxad	Whole	0.01	0.2	1097	0	0
hexaconazole	Whole	0.01	not set	1097	-	-
imazalil	Whole	0.01	not set	1097	-	-
ipconazole	Whole	0.01	0.01	1097	0	0
iprodione	Whole	0.01	not set	1097	-	-
isoprothiolane	Whole	0.01	not set	1097	-	-
isopyrazam	Whole	0.01	not set	1097	-	-
kresoxim-methyl	Whole	0.01	not set	1097	-	-

metalaxyl	Whole	0.01	0.01	1097	0	0
myclobutanil	Whole	0.01	not set	1097	-	-
oxadixyl	Whole	0.01	not set	1097	-	-
penconazole	Whole	0.01	not set	1097	-	-
penflufen	Whole	0.01	0.01	1097	0	0
prochloraz	Whole	0.01	not set	1097	-	-
procymidone	Whole	0.01	not set	1097	-	-
propiconazole	Whole	0.01	0.05	1097	0	0
prothioconazole	Whole	0.01	0.3	1097	0	0
pydiflumetofen	Whole	0.01	3	1097	0	0
pyraclostrobin	Whole	0.01	0.01	1097	0	0
pyrimethanil	Whole	0.01	not set	1097	-	-
quinoxifen	Whole	0.01	0.01	1097	0	0
quintozene	Whole	0.01	not set	1097	-	-
sedaxane	Whole	0.01	0.01	1097	0	0
spiroxamine	Whole	0.01	0.03	1097	0	0
tebuconazole	Whole	0.01	0.2	1097	0	0
thiabendazole	Whole	0.01	not set	1097	-	-
tolclofos methyl	Whole	0.01	not set	1097	-	-
triadimefon	Whole	0.01	0.5	1097	0	0
triadimenol	Whole	0.01	0.01	1097	0	0
trifloxystrobin	Whole	0.01	not set	1097	-	-
triticonazole	Whole	0.01	0.05	1097	0	0
uniconazole-P	Whole	0.01	not set	425	-	-
vinclozolin	Whole	0.01	not set	1097	-	-

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	1097	0	0
2,4-D	Whole	0.01	0.2	1097	0	0
2,4-DB	Whole	0.01	0.02	1097	0	0
acifluorfen	Whole	0.01	not set	1097	-	-
ametryn	Whole	0.01	not set	1097	-	-
aminopyralid	Whole	0.01	0.1	1097	0	0
amitrole	Whole	0.01	0.01	310	0	0
atrazine	Whole	0.01	not set	1097	-	-
bentazone	Whole	0.01	not set	1097	-	-
bicyclopyrone	Whole	0.01	0.02	1097	0	0
bixlozone	Whole	0.01	0.01	1097	0	0
bromacil	Whole	0.01	not set	1097	-	-

bromoxynil	Whole	0.01	0.2	1097	0	0
butafenacil	Whole	0.01	0.02	1097	0	0
butoxydim	Whole	0.01	not set	1097	-	-
carfentrazone-ethyl	Whole	0.01	0.05	1097	1	0
chlormequat	Whole	0.01	2	310	0	0
chlorpropham	Whole	0.01	not set	1097	-	-
chlorsulfuron	Whole	0.01	0.05	1097	0	0
chlorthal-dimethyl	Whole	0.01	not set	1097	-	-
cinmethylin	Whole	0.01	not set	1097	-	-
clethodim	Whole	0.01	0.1	1097	0	0
clodinafop acid	Whole	0.01	not set	1097	-	-
clodinafop-propargyl	Whole	0.01	0.02	1097	0	0
clomazone	Whole	0.01	not set	1097	-	-
clopyralid	Whole	0.01	2	1097	0	0
cloquintocet-mexyl	Whole	0.01	0.1	1097	0	0
cyanazine	Whole	0.01	0.01	1097	0	0
dicamba	Whole	0.01	0.05	1097	0	0
dichlobenil	Whole	0.01	not set	1097	-	-
dichlorprop-P	Whole	0.01	not set	310	-	-
diclofop-methyl	Whole	0.01	0.1	310	0	0
diflufenican	Whole	0.01	0.05	1097	0	0
dimethenamid-P	Whole	0.01	not set	1097	-	-
diquat	Whole	0.01	5	310	0	0
diuron	Whole	0.01	0.1	1097	0	0
EPTC	Whole	0.01	0.04	1097	0	0
ethofumesate	Whole	0.01	not set	1097	-	-
fenoxaprop-ethyl	Whole	0.01	0.01	1097	0	0
flamprop-M-methyl	Whole	0.01	not set	310	-	-
florasulam	Whole	0.01	0.01	1097	0	0
florpyrauxifen-benzyl	Whole		not set	1097	-	-
fluazifop-p-butyl	Whole	0.01	not set	310	-	-
flumetsulam	Whole	0.01	0.05	1097	0	0
flumioxazin	Whole	0.01	0.05	1097	0	0
fluroxypyr	Whole	0.01	0.2	1097	0	0
fomesafen	Whole	0.01	not set	1097	-	-
glufosinate	Whole	0.01	0.1	310	0	0
glyphosate	Whole	0.01	20	310	0	0
halauxifen-methyl	Whole	0.01	0.01	1097	0	0
halosulfuron-methyl	Whole	0.01	not set	1097	-	-
haloxyfop	Whole	0.005	not set	310	-	-
imazamox	Whole	0.01	0.05	653	0	0
imazapic	Whole	0.01	0.02	653	0	0

imazapyr	Whole	0.01	0.7	653	0	0
imazaquin	Whole	0.01	not set	653	-	-
imazethapyr	Whole	0.01	not set	653	-	-
iodosulfuron-methyl	Whole	0.01	0.01	1097	0	0
ioxynil	Whole	0.01	not set	1097	-	-
isoxaben	Whole	0.01	0.01	1097	0	0
isoxaflutole	Whole	0.01	0.02	1097	0	0
linuron	Whole	0.01	0.05	1097	0	0
MCPA	Whole	0.01	0.02	1097	0	0
MCPB	Whole	0.01	0.02	1097	0	0
mefenpyr-diethyl	Whole	0.01	0.01	1097	0	0
mesotrione	Whole	0.01	0.01	1097	0	0
metamitron	Whole	0.01	not set	1097	-	-
metazachlor	Whole	0.01	0.03	1097	0	0
methabenzthiazuron	Whole	0.01	not set	1097	-	-
metolachlor	Whole	0.01	0.02	1097	0	0
metosulam	Whole	0.01	0.02	1097	0	0
metribuzin	Whole	0.01	0.05	1097	0	0
metsulfuron-methyl	Whole	0.01	0.02	1097	0	0
napropamide	Whole	0.01	not set	1097	-	-
norflurazon	Whole	0.01	not set	1097	-	-
oryzalin	Whole	0.01	0.01	1097	0	0
oxyfluorfen	Whole	0.01	0.05	1097	0	0
paraquat	Whole	0.01	0.05	310	0	1
pendimethalin	Whole	0.01	0.05	1097	0	0
picloram	Whole	0.01	0.2	1097	0	0
picolinafen	Whole	0.01	0.02	1097	0	0
pinoxaden (parent)	Whole	0.01	0.1	1097	0	0
prometryn	Whole	0.01	0.1	1097	0	0
propachlor	Whole	0.01	0.05	1097	0	0
propaquizafop	Whole	0.01	not set	310	-	-
propyzamide	Whole	0.01	not set	1097	-	-
prosulfocarb	Whole	0.01	0.01	1097	0	0
pyraflufen-ethyl	Whole	0.01	0.02	1097	0	0
pyrasulfotole	Whole	0.01	0.02	1097	0	0
pyroxasulfone	Whole	0.01	0.01	1097	0	0
pyroxsulam	Whole	0.01	not set	1097	-	-
quizalofop-ethyl	Whole	0.01	0.02	310	0	0
quizalofop-P-tefuryl	Whole	0.01	not set	310	-	-
saflufenacil	Whole	0.01	0.2	1097	0	0
sethoxydim	Whole	0.01	0.1	1097	0	0
simazine	Whole	0.01	not set	1097	-	-

sulfosulfuron	Whole	0.01	not set	1097	-	-
terbuthylazine	Whole	0.01	0.01	1097	0	0
terbutryn	Whole	0.01	0.1	1097	0	0
tiafenacil	Whole	0.01	0.01	1097	0	0
topramezone	Whole	0.01	0.01	1097	0	0
tralkoxydim	Whole	0.01	0.02	1097	0	0
triallate	Whole	0.01	0.05	1097	0	0
triasulfuron	Whole	0.01	0.02	1097	0	0
tribenuron-methyl	Whole	0.01	0.01	1097	0	0
triclopyr	Whole	0.01	not set	1097	-	-
trifludimoxazin	Whole	0.01	0.01	1097	0	0
trifluralin	Whole	0.01	0.05	1097	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	1097	-	-
acephate	Whole	0.01	not set	1097	-	-
acetamiprid	Whole	0.01	not set	1097	-	-
aldicarb	Whole	0.01	not set	1097	-	-
amitraz	Whole	0.01	not set	1097	-	-
azamethiphos	Whole	0.01	0.1	1097	0	0
azinphos-methyl	Whole	0.01	not set	1097	-	-
bifenazate	Whole	0.01	not set	1097	-	-
bifenthrin	Whole	0.01	0.02	1097	0	0
bioresmethrin	Whole	0.01	not set	1097	-	-
buprofezin	Whole	0.01	0.01	1097	0	0
cadusafos	Whole	0.01	not set	1097	-	-
carbaryl	Whole	0.01	15	1097	0	0
carbofuran	Whole	0.01	not set	1097	-	-
chlorantraniliprole	Whole	0.01	0.1	1097	0	0
chlorfenapyr	Whole	0.01	not set	1097	-	-
chlorfenvinphos	Whole	0.01	not set	1097	-	-
chlorpyrifos	Whole	0.01	0.1	1097	1	0
chlorpyrifos-methyl	Whole	0.01	10	1097	1	0
clofentezine	Whole	0.01	not set	1097	-	-
clothianidin	Whole	0.01	0.02	1097	0	0
cyantraniliprole	Whole	0.01	0.05	1097	0	0
cyfluthrin	Whole	0.01	not set	1097	-	-
cyhalothrin	Whole	0.01	0.2	1097	0	0
cypermethrin	Whole	0.01	1	1097	0	0

deltamethrin	Whole	0.01	2	1097	0	0
diafenthuron	Whole	0.01	not set	1097	-	-
diazinon	Whole	0.01	0.1	1097	0	0
dichlorvos	Whole	0.01	0.01	1097	0	0
dicofol	Whole	0.01	not set	1097	-	-
diflubenzuron	Whole	0.01	not set	1097	-	-
dimethoate	Whole	0.01	0.5	1097	0	0
dinotefuran	Whole	0.01	not set	1097	-	-
disulfoton	Whole	0.01	not set	1097	-	-
emamectin	Whole	0.01	not set	1097	-	-
ethion	Whole	0.01	not set	1097	-	-
ethoprophos	Whole	0.005	not set	1097	-	-
etoxazole	Whole	0.01	not set	1097	-	-
fenamiphos	Whole	0.01	not set	1097	-	-
fenbutatin oxide	Whole	0.01	not set	1097	-	-
fenitrothion	Whole	0.01	10	1097	0	0
fenoxycarb	Whole	0.01	not set	1097	-	-
fenpyroximate	Whole	0.01	not set	1097	-	-
fenthion	Whole	0.01	not set	1097	-	-
fenvalerate	Whole	0.01	2	1097	0	0
fipronil	Whole	0.002	not set	1097	-	-
flonicamid	Whole	0.01	not set	1097	-	-
fluensulfone	Whole	0.01	0.05	1097	0	0
flupyradifurone	Whole	0.01	0.2	1097	0	0
hexythiazox	Whole	0.01	not set	1097	-	-
imidacloprid	Whole	0.01	0.05	1097	0	0
indoxacarb	Whole	0.01	not set	1097	-	-
malathion	Whole	0.01	8	1097	0	0
methacrifos	Whole	0.01	not set	1097	-	-
methamidophos	Whole	0.01	not set	1097	-	-
methidathion	Whole	0.01	not set	1097	-	-
methiocarb	Whole	0.01	not set	1097	-	-
methomyl	Whole	0.01	0.1	1097	0	0
methoprene	Whole	0.01	2	1097	1	0
methoxychlor	Whole	0.01	not set	1097	-	-
methoxyfenozide	Whole	0.01	not set	1097	-	-
mevinphos	Whole	0.01	not set	1097	-	-
monocrotophos	Whole	0.01	not set	1097	-	-
omethoate	Whole	0.01	0.05	1097	0	0
parathion	Whole	0.01	not set	1097	-	-
parathion-methyl	Whole	0.01	not set	1097	-	-
permethrin	Whole	0.01	2	1097	0	0

phenothrin	Whole	0.01	not set	1097	-	-
phorate	Whole	0.01	not set	1097	-	-
phosmet	Whole	0.01	0.05	1097	0	0
piperonyl butoxide	Whole	0.01	20	1097	0	0
pirimicarb	Whole	0.01	0.02	1097	0	0
pirimiphos-methyl	Whole	0.01	7	1097	0	0
profenofos	Whole	0.01	not set	1097	-	-
propargite	Whole	0.01	not set	1097	-	-
prothiofos	Whole	0.01	not set	1097	-	-
pymetrozine	Whole	0.01	not set	1097	-	-
pyrethrins	Whole	0.01	3	1097	0	0
pyriproxyfen	Whole	0.01	not set	1097	-	-
spinetoram	Whole	0.01	not set	1097	-	-
spinosad	Whole	0.01	1	1097	2	0
spirotetramat	Whole	0.01	not set	1097	-	-
sulfoxaflor	Whole	0.01	0.2	1097	0	0
tau-fluvalinate	Whole	0.01	not set	1097	-	-
tebufenozide	Whole	0.01	not set	1097	-	-
tebufenpyrad	Whole	0.01	not set	1097	-	-
terbufos	Whole	0.01	0.01	1097	0	0
tetradifon	Whole	0.01	not set	1097	-	-
thiacloprid	Whole	0.01	not set	1097	-	-
thiamethoxam	Whole	0.01	0.01	1097	0	0
thiodicarb	Whole	0.01	not set	1097	-	-
triazofos	Whole	0.01	not set	1097	-	-
trichlorfon	Whole	0.01	0.1	1097	0	0
triflumuron	Whole	0.01	0.05	1097	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	1097	-	-
prohexadione-calcium	Whole	0.01	not set	1097	-	-
trinexapac-ethyl	Whole	0.01	0.2	1097	0	0