



Australian Government

Department of Agriculture, Fisheries and Forestry

Wheat 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	2720	0	0
chlordane	Whole	0.01	0.02	2720	0	0
DDT	Whole	0.01	0.1	2720	0	0
endosulfan	Whole	0.01	not set	2720	-	-
endrin	Whole	0.01	not set	2720	-	-
HCB (hexachlorobenzene)	Whole	0.01	0.05	2720	0	0
HCH (BHC)	Whole	0.01	0.1	2720	0	0
heptachlor	Whole	0.01	0.02	2720	0	0
lindane (gamma-HCH)	Whole	0.01	0.5	2720	0	0
mirex	Whole	0.01	not set	2720	-	-

Table 2: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
azoxystrobin	Whole	0.01	0.1	2720	0	0
benalaxyl	Whole	0.01	not set	2720	-	-
benzovindiflupyr	Whole	0.01	0.01	2720	0	0
bitertanol	Whole	0.01	not set	2720	-	-
bixafen	Whole	0.01	0.01	2720	0	0
boscalid	Whole	0.01	0.5	2720	0	0
bupirimate	Whole	0.01	not set	2720	-	-
captafol	Whole	0.01	not set	2720	-	-
captan	Whole	0.01	not set	2720	-	-
carbendazim	Whole	0.01	not set	2720	-	-
carboxin	Whole	0.01	0.1	2720	0	0
carboxin sulfoxide	Whole	0.01	not set	2720	-	-
chlorothalonil	Whole	0.01	not set	2720	-	-
cyproconazole	Whole	0.01	0.02	2720	0	0
cyprodinil	Whole	0.01	not set	2720	-	-
difenoconazole	Whole	0.01	0.01	2720	0	0
dimethomorph	Whole	0.01	not set	2720	-	-
dithianon	Whole	0.01	not set	2720	-	-
dodine	Whole	0.01	not set	2720	-	-
epoxiconazole	Whole	0.01	0.05	2720	0	0
etridiazole	Whole	0.01	not set	2720	-	-
fenarimol	Whole	0.01	not set	2720	-	-
fenbuconazole	Whole	0.01	0.01	2720	0	0
fenhexamid	Whole	0.01	not set	2720	-	-
florylpicoxamid	Whole	0.01	0.02	1595	0	0
fluazinam	Whole	0.01	not set	2720	-	-
fludioxonil	Whole	0.01	not set	2720	-	-
fluopicolide	Whole	0.01	0.01	2720	0	0
fluopyram	Whole	0.01	0.03	2720	0	0
fluquinconazole	Whole	0.01	0.02	2720	0	0
flusilazole	Whole	0.01	not set	2720	-	-
flutriafol	Whole	0.01	0.1	2720	0	1
fluxapyroxad	Whole	0.01	0.1	2720	0	0
hexaconazole	Whole	0.01	not set	2720	-	-
imazalil	Whole	0.01	not set	2720	-	-
ipconazole	Whole	0.01	0.01	2720	0	0
iprodione	Whole	0.01	not set	2720	-	-
isoprothiolane	Whole	0.01	not set	2720	-	-
isopyrazam	Whole	0.01	not set	2720	-	-

kresoxim-methyl	Whole	0.01	not set	2720	-	-
metalaxyl	Whole	0.01	0.01	2720	0	0
myclobutanil	Whole	0.01	not set	2720	-	-
oxadixyl	Whole	0.01	not set	2720	-	-
penconazole	Whole	0.01	not set	2720	-	-
penflufen	Whole	0.01	0.01	2720	0	0
prochloraz	Whole	0.01	not set	2720	-	-
procymidone	Whole	0.01	not set	2720	-	-
propiconazole	Whole	0.01	0.05	2720	0	0
prothioconazole	Whole	0.01	0.3	2720	0	0
pydiflumetofen	Whole	0.01	0.05	2720	0	0
pyraclostrobin	Whole	0.01	0.01	2720	0	0
pyrimethanil	Whole	0.01	not set	2720	-	-
quinoxifen	Whole	0.01	not set	2720	-	-
quintozene	Whole	0.01	not set	2720	-	-
sedaxane	Whole	0.01	0.01	2720	0	0
spiroxamine	Whole	0.01	not set	2720	-	-
tebuconazole	Whole	0.01	0.2	2720	0	0
thiabendazole	Whole	0.01	not set	2720	-	-
tolclofos methyl	Whole	0.01	not set	2720	-	-
triadimefon	Whole	0.01	0.5	2720	0	0
triadimenol	Whole	0.01	0.01	2720	0	0
trifloxystrobin	Whole	0.01	not set	2720	-	-
triticonazole	Whole	0.01	0.05	2720	0	0
uniconazole-P	Whole	0.01	not set	2720	-	-
vinclozolin	Whole	0.01	not set	2720	-	-

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	2720	0	0
2,4-D	Whole	0.01	0.2	2720	0	0
2,4-DB	Whole	0.01	0.02	2720	0	0
acifluorfen	Whole	0.01	not set	2720	-	-
aclonifen	Whole	0.01	0.01	1595	0	0
ametryn	Whole	0.01	not set	2720	-	-
aminopyralid	Whole	0.01	0.1	2720	0	0
amitrole	Whole	0.01	0.01	444	0	0
atrazine	Whole	0.01	not set	2720	-	-
bentazone	Whole	0.01	not set	2720	-	-

bicyclopyrone	Whole	0.01	0.02	2720	0	0
bixlozone	Whole	0.01	0.01	2720	0	0
bromacil	Whole	0.01	not set	2720	-	-
bromoxynil	Whole	0.01	0.2	2720	0	0
butafenacil	Whole	0.01	0.02	2720	0	0
butoxydim	Whole	0.01	not set	2720	-	-
carfentrazone-ethyl	Whole	0.01	0.05	2720	0	0
chlormequat	Whole	0.01	5	444	0	0
chlorpropham	Whole	0.01	not set	2720	-	-
chlorsulfuron	Whole	0.01	0.05	2720	0	0
chlorthal-dimethyl	Whole	0.01	not set	2720	-	-
cinmethylin	Whole	0.01	0.01	2720	0	0
clethodim	Whole	0.01	0.1	2720	0	0
clodinafop acid	Whole	0.01	0.1	2720	0	0
clodinafop-propargyl	Whole	0.01	0.05	2720	0	0
clomazone	Whole	0.01	not set	2720	-	-
clopyralid	Whole	0.01	2	2720	0	0
cloquintocet-mexyl	Whole	0.01	0.1	2720	0	0
cyanazine	Whole	0.01	0.01	2720	0	0
dicamba	Whole	0.01	0.05	2720	0	0
dichlobenil	Whole	0.01	not set	2720	-	-
dichlorprop-P	Whole	0.01	not set	444	-	-
diclofop-methyl	Whole	0.01	0.1	444	0	0
diflufenican	Whole	0.01	0.02	2720	0	0
dimethenamid-P	Whole	0.01	not set	2720	-	-
diquat	Whole	0.01	2	444	0	0
diuron	Whole	0.01	0.1	2720	0	0
EPTC	Whole	0.01	0.04	2720	0	0
ethofumesate	Whole	0.01	not set	2720	-	-
fenoxaprop-ethyl	Whole	0.01	0.01	2720	0	0
flamprop-M-methyl	Whole	0.01	0.05	444	0	0
florasulam	Whole	0.01	0.01	2720	0	0
florpyrauxifen-benzyl	Whole		not set	2720	-	-
fluazifop-p-butyl	Whole	0.01	not set	444	-	-
flumetsulam	Whole	0.01	0.05	2720	0	0
flumioxazin	Whole	0.01	0.05	2720	0	0
fluroxypyr	Whole	0.01	0.2	2720	0	0
fomesafen	Whole	0.01	not set	2720	-	-
glufosinate	Whole	0.01	0.1	444	0	0
glyphosate	Whole	0.01	5	444	0	0
halauxifen-methyl	Whole	0.01	0.01	2720	0	0
halosulfuron-methyl	Whole	0.01	not set	2720	-	-

haloxyfop	Whole	0.005	not set	444	-	-
imazamox	Whole	0.01	0.05	434	0	0
imazapic	Whole	0.01	0.05	434	0	0
imazapyr	Whole	0.01	0.05	434	4	0
imazaquin	Whole	0.01	not set	434	-	-
imazethapyr	Whole	0.01	not set	434	-	-
iodosulfuron-methyl	Whole	0.01	0.01	2720	0	0
ioxynil	Whole	0.01	not set	2720	-	-
isoxaben	Whole	0.01	0.01	2720	0	0
isoxaflutole	Whole	0.01	0.02	2720	0	0
linuron	Whole	0.01	0.05	2720	0	0
MCPA	Whole	0.01	0.02	2720	0	0
MCPB	Whole	0.01	0.02	2720	0	0
mefenpyr-diethyl	Whole	0.01	0.01	2720	0	0
mesotrione	Whole	0.01	0.01	2720	0	0
metamitron	Whole	0.01	not set	2720	-	-
metazachlor	Whole	0.01	0.03	2720	0	0
methabenzthiazuron	Whole	0.01	not set	2720	-	-
metolachlor	Whole	0.01	0.02	2720	0	0
metosulam	Whole	0.01	0.02	2720	0	0
metribuzin	Whole	0.01	0.05	2720	0	0
metsulfuron-methyl	Whole	0.01	0.02	2720	0	0
napropamide	Whole	0.01	not set	2720	-	-
norflurazon	Whole	0.01	not set	2720	-	-
oryzalin	Whole	0.01	0.01	2720	0	0
oxyfluorfen	Whole	0.01	0.05	2720	0	0
paraquat	Whole	0.01	0.05	444	0	0
pendimethalin	Whole	0.01	0.05	2720	0	0
picloram	Whole	0.01	0.2	2720	0	0
picolinafen	Whole	0.01	0.02	2720	0	0
pinoxaden (parent)	Whole	0.01	0.1	2720	0	0
prometryn	Whole	0.01	0.1	2720	0	0
propachlor	Whole	0.01	0.05	2720	0	0
propaquizafop	Whole	0.01	not set	444	-	-
propyzamide	Whole	0.01	not set	2720	-	-
prosulfocarb	Whole	0.01	0.01	2720	0	0
pyraflufen-ethyl	Whole	0.01	0.02	2720	0	0
pyrasulfotole	Whole	0.01	0.02	2720	0	0
pyroxasulfone	Whole	0.01	0.01	2720	0	0
pyroxsulam	Whole	0.01	0.01	2720	0	0
quizalofop-ethyl	Whole	0.01	not set	444	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	444	-	-

saflufenacil	Whole	0.01	0.2	2720	0	0
sethoxydim	Whole	0.01	0.1	2720	0	0
simazine	Whole	0.01	not set	2720	-	-
sulfosulfuron	Whole	0.01	0.01	2720	0	0
terbuthylazine	Whole	0.01	0.01	2720	0	0
terbutryn	Whole	0.01	0.1	2720	0	0
tiafenacil	Whole	0.01	0.01	2720	0	0
topramezone	Whole	0.01	0.01	2720	0	0
tralkoxydim	Whole	0.01	0.02	2720	0	0
triallate	Whole	0.01	0.05	2720	0	0
triasulfuron	Whole	0.01	0.02	2720	0	0
tribenuron-methyl	Whole	0.01	0.01	2720	0	0
triclopyr	Whole	0.01	not set	2720	-	-
trifludimoxazin	Whole	0.01	0.01	2720	0	0
trifluralin	Whole	0.01	0.05	2720	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	2720	-	-
acephate	Whole	0.01	not set	2720	-	-
acetamiprid	Whole	0.01	not set	2720	-	-
aldicarb	Whole	0.01	not set	2720	-	-
amitraz	Whole	0.01	not set	2720	-	-
azamethiphos	Whole	0.01	0.1	2720	0	0
azinphos-methyl	Whole	0.01	not set	2720	-	-
bifenazate	Whole	0.01	not set	2720	-	-
bifenthrin	Whole	0.01	0.02	2720	0	2
bioresmethrin	Whole	0.01	not set	2720	-	-
buprofezin	Whole	0.01	0.01	2720	0	0
cadusafos	Whole	0.01	not set	2720	-	-
carbaryl	Whole	0.01	5	2720	0	0
carbofuran	Whole	0.01	not set	2720	-	-
chlorantraniliprole	Whole	0.01	0.1	2720	0	0
chlorfenapyr	Whole	0.01	not set	2720	-	-
chlorfenvinphos	Whole	0.01	0.05	2720	0	0
chlorpyrifos	Whole	0.01	0.1	2720	0	0
chlorpyrifos-methyl	Whole	0.01	10	2720	0	0
clofentezine	Whole	0.01	not set	2720	-	-
clothianidin	Whole	0.01	0.02	2720	0	0
cyantraniliprole	Whole	0.01	0.05	2720	0	0

cyfluthrin	Whole	0.01	not set	2720	-	-
cyhalothrin	Whole	0.01	0.05	2720	0	0
cypermethrin	Whole	0.01	0.2	2720	0	0
deltamethrin	Whole	0.01	2	2720	0	0
diafenthiuron	Whole	0.01	not set	2720	-	-
diazinon	Whole	0.01	0.1	2720	0	0
dichlorvos	Whole	0.01	0.01	2720	0	0
dicofol	Whole	0.01	not set	2720	-	-
diflubenzuron	Whole	0.01	not set	2720	-	-
dimethoate	Whole	0.01	0.5	2720	0	0
dinotefuran	Whole	0.01	not set	2720	-	-
disulfoton	Whole	0.01	not set	2720	-	-
emamectin	Whole	0.01	0.01	2720	0	0
ethion	Whole	0.01	not set	2720	-	-
ethoprophos	Whole	0.005	not set	2720	-	-
etoxazole	Whole	0.01	not set	2720	-	-
fenamiphos	Whole	0.01	not set	2720	-	-
fenbutatin oxide	Whole	0.01	not set	2720	-	-
fenitrothion	Whole	0.01	10	2720	0	0
fenoxycarb	Whole	0.01	not set	2720	-	-
fenpyroximate	Whole	0.01	not set	2720	-	-
fenthion	Whole	0.01	not set	2720	-	-
fenvalerate	Whole	0.01	2	2720	0	0
fipronil	Whole	0.002	not set	2720	-	-
flonicamid	Whole	0.01	not set	2720	-	-
fluensulfone	Whole	0.01	0.05	2720	0	0
flupyradifurone	Whole	0.01	0.2	2720	0	0
hexythiazox	Whole	0.01	not set	2720	-	-
imidacloprid	Whole	0.01	0.05	2720	1	0
indoxacarb	Whole	0.01	not set	2720	-	-
malathion	Whole	0.01	8	2720	0	0
methacrifos	Whole	0.01	not set	2720	-	-
methamidophos	Whole	0.01	not set	2720	-	-
methidathion	Whole	0.01	not set	2720	-	-
methiocarb	Whole	0.01	not set	2720	-	-
methomyl	Whole	0.01	0.1	2720	0	0
methoprene	Whole	0.01	2	2720	0	0
methoxychlor	Whole	0.01	not set	2720	-	-
methoxyfenozide	Whole	0.01	not set	2720	-	-
mevinphos	Whole	0.01	not set	2720	-	-
monocrotophos	Whole	0.01	not set	2720	-	-
omethoate	Whole	0.01	0.05	2720	0	0

parathion	Whole	0.01	not set	2720	-	-
parathion-methyl	Whole	0.01	not set	2720	-	-
permethrin	Whole	0.01	2	2720	0	0
phenothrin	Whole	0.01	2	2720	0	0
phorate	Whole	0.01	not set	2720	-	-
phosmet	Whole	0.01	0.05	2720	0	0
piperonyl butoxide	Whole	0.01	20	2720	0	0
pirimicarb	Whole	0.01	0.02	2720	0	0
pirimiphos-methyl	Whole	0.01	10	2720	0	0
profenofos	Whole	0.01	not set	2720	-	-
propargite	Whole	0.01	not set	2720	-	-
prothiofos	Whole	0.01	not set	2720	-	-
pymetrozine	Whole	0.01	not set	2720	-	-
pyrethrins	Whole	0.01	3	2720	0	0
pyriproxyfen	Whole	0.01	not set	2720	-	-
spinetoram	Whole	0.01	not set	2720	-	-
spinosad	Whole	0.01	1	2720	1	0
spirotetramat	Whole	0.01	not set	2720	-	-
sulfoxaflor	Whole	0.01	0.05	2720	0	0
tau-fluvalinate	Whole	0.01	not set	2720	-	-
tebufenozide	Whole	0.01	not set	2720	-	-
tebufenpyrad	Whole	0.01	not set	2720	-	-
terbufos	Whole	0.01	0.01	2720	0	0
tetradifon	Whole	0.01	not set	2720	-	-
tetraniliprole	Whole	0.01	not set	1595	-	-
thiacloprid	Whole	0.01	not set	2720	-	-
thiamethoxam	Whole	0.01	0.01	2720	0	1
thiodicarb	Whole	0.01	not set	2720	-	-
triazofos	Whole	0.01	not set	2720	-	-
trichlorfon	Whole	0.01	0.1	2720	0	0
triflumuron	Whole	0.01	0.05	2720	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	2720	-	-
prohexadione-calcium	Whole	0.01	not set	2720	-	-
trinexapac-ethyl	Whole	0.01	0.2	2720	0	0