



# Australian Government

## Department of Agriculture, Fisheries and Forestry

# Wheat 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.

### Disclaimer

Although the Australian Government has exercised due care and skill in the preparation and compilation of this publication, it does not warrant its accuracy, completeness, currency or suitability for any purpose. To the maximum extent permitted by law, the Australian Government disclaims all liability, including liability in negligence for any loss, damage, cost or expense incurred by persons as a result of accessing, using or relying on any of the information or data set out in this publication. Before relying on the material in any matters, users should carefully evaluate its accuracy, currency, completeness and relevance for the purposes intended, and should obtain any appropriate professional advice relevant to their particular circumstances.

**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	3414	0	0
chlordane	Whole	0.01	0.02	3414	0	0
DDT	Whole	0.01	0.1	3414	0	0
endosulfan	Whole	0.01	not set	3414	-	-
endrin	Whole	0.01	not set	3414	-	-
HCB (hexachlorobenzene)	Whole	0.01	0.05	3414	0	0
HCH (BHC)	Whole	0.01	0.1	3414	0	0
heptachlor	Whole	0.01	0.02	3414	0	0
lindane (gamma-HCH)	Whole	0.01	0.5	3414	0	0
mirex	Whole	0.01	not set	3414	-	-

**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	3414	0	0
benalaxyl	Whole	0.01	not set	3414	-	-
benzovindiflupyr	Whole	0.01	0.01	3414	0	0
bitertanol	Whole	0.01	not set	3414	-	-
bixafen	Whole	0.01	0.01	3414	0	0
boscalid	Whole	0.01	0.5	3414	0	0
bupirimate	Whole	0.01	not set	3414	-	-
captafol	Whole	0.01	not set	3414	-	-
captan	Whole	0.01	not set	3414	-	-
carbendazim	Whole	0.01	not set	3414	-	-
carboxin	Whole	0.01	0.1	3414	0	0
chlorothalonil	Whole	0.01	not set	3414	-	-
cyproconazole	Whole	0.01	0.02	3414	0	0
cyprodinil	Whole	0.01	not set	3414	-	-
difenoconazole	Whole	0.01	0.01	3414	0	0
dimethomorph	Whole	0.01	not set	3414	-	-
dithianon	Whole	0.01	not set	3414	-	-
dodine	Whole	0.01	not set	3414	-	-
epoxiconazole	Whole	0.01	0.05	3414	0	0
etridiazole	Whole	0.01	not set	3414	-	-
fenarimol	Whole	0.01	not set	3414	-	-
fenbuconazole	Whole	0.01	0.01	3414	0	0
fenhexamid	Whole	0.01	not set	3414	-	-
fluazinam	Whole	0.01	not set	3414	-	-
fludioxonil	Whole	0.01	not set	3414	-	-
fluopicolide	Whole	0.01	0.01	3414	0	0
fluopyram	Whole	0.01	0.03	3414	0	0
fluquinconazole	Whole	0.01	0.02	3414	0	0
flusilazole	Whole	0.01	not set	3414	-	-
flutriafol	Whole	0.01	0.1	3414	2	0
fluxapyroxad	Whole	0.01	0.1	3414	0	0
hexaconazole	Whole	0.01	not set	3414	-	-
imazalil	Whole	0.01	not set	3414	-	-
ipconazole	Whole	0.01	0.01	3414	0	0
iprodione	Whole	0.01	not set	3414	-	-
isoprothiolane	Whole	0.01	not set	3414	-	-
isopyrazam	Whole	0.01	not set	3414	-	-
kresoxim-methyl	Whole	0.01	not set	3414	-	-
metalaxyl	Whole	0.01	0.01	3414	0	0

myclobutanil	Whole	0.01	not set	3414	-	-
oxadixyl	Whole	0.01	not set	3414	-	-
penconazole	Whole	0.01	not set	3414	-	-
penflufen	Whole	0.01	0.01	3414	0	0
prochloraz	Whole	0.01	not set	3414	-	-
procymidone	Whole	0.01	not set	3414	-	-
propiconazole	Whole	0.01	0.05	3414	0	0
prothioconazole	Whole	0.01	0.3	3414	0	0
pydiflumetofen	Whole	0.01	3	3414	0	0
pyraclostrobin	Whole	0.01	0.01	3414	0	0
pyrimethanil	Whole	0.01	not set	3414	-	-
quinoxifen	Whole	0.01	not set	3414	-	-
quintozene	Whole	0.01	not set	3414	-	-
sedaxane	Whole	0.01	0.01	3414	0	0
spiroxamine	Whole	0.01	not set	3414	-	-
tebuconazole	Whole	0.01	0.2	3414	0	0
thiabendazole	Whole	0.01	not set	3414	-	-
tolclofos methyl	Whole	0.01	not set	3414	-	-
triadimefon	Whole	0.01	0.5	3414	0	0
triadimenol	Whole	0.01	0.01	3414	0	0
trifloxystrobin	Whole	0.01	not set	3414	-	-
triticonazole	Whole	0.01	0.05	3414	0	0
uniconazole-P	Whole	0.01	not set	1497	-	-
vinclozolin	Whole	0.01	not set	3414	-	-

**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	3414	0	0
2,4-D	Whole	0.01	0.2	3414	0	0
2,4-DB	Whole	0.01	0.02	3414	0	0
acifluorfen	Whole	0.01	not set	3414	-	-
ametryn	Whole	0.01	not set	3414	-	-
aminopyralid	Whole	0.01	0.1	3414	0	0
amitrole	Whole	0.01	0.01	499	0	0
atrazine	Whole	0.01	not set	3414	-	-
bentazone	Whole	0.01	not set	3414	-	-
bicyclopyrone	Whole	0.01	0.02	3414	0	0
bixlozone	Whole	0.01	0.01	3414	0	0
bromacil	Whole	0.01	not set	3414	-	-

bromoxynil	Whole	0.01	0.2	3414	0	0
butafenacil	Whole	0.01	0.02	3414	0	0
butoxydim	Whole	0.01	not set	3414	-	-
carfentrazone-ethyl	Whole	0.01	0.05	3414	0	0
chlormequat	Whole	0.01	5	499	0	0
chlorpropham	Whole	0.01	not set	3414	-	-
chlorsulfuron	Whole	0.01	0.05	3414	0	0
chlorthal-dimethyl	Whole	0.01	not set	3414	-	-
cinmethylin	Whole	0.01	0.01	3414	0	0
clethodim	Whole	0.01	0.1	3414	0	0
clodinafop acid	Whole	0.01	0.1	3414	0	0
clodinafop-propargyl	Whole	0.01	0.05	3414	0	0
clomazone	Whole	0.01	not set	3414	-	-
clopyralid	Whole	0.01	2	3414	0	0
cloquintocet-mexyl	Whole	0.01	0.1	3414	0	0
cyanazine	Whole	0.01	0.01	3414	0	0
dicamba	Whole	0.01	0.05	3414	0	0
dichlobenil	Whole	0.01	not set	3414	-	-
dichlorprop-P	Whole	0.01	not set	499	-	-
diclofop-methyl	Whole	0.01	0.1	499	0	0
diflufenican	Whole	0.01	0.02	3414	0	0
dimethenamid-P	Whole	0.01	not set	3414	-	-
diquat	Whole	0.01	2	499	0	0
diuron	Whole	0.01	0.1	3414	0	0
EPTC	Whole	0.01	0.04	3414	0	0
ethofumesate	Whole	0.01	not set	3414	-	-
fenoxaprop-ethyl	Whole	0.01	0.01	3414	0	0
flamprop-M-methyl	Whole	0.01	0.05	499	0	0
florasulam	Whole	0.01	0.01	3414	0	0
florpyrauxifen-benzyl	Whole		not set	3414	-	-
fluazifop-p-butyl	Whole	0.01	not set	499	-	-
flumetsulam	Whole	0.01	0.05	3414	0	0
flumioxazin	Whole	0.01	0.05	3414	0	0
fluroxypyr	Whole	0.01	0.2	3414	0	0
fomesafen	Whole	0.01	not set	3414	-	-
glufosinate	Whole	0.01	not set	499	-	-
glyphosate	Whole	0.01	5	499	0	0
halauxifen-methyl	Whole	0.01	0.01	3414	0	0
halosulfuron-methyl	Whole	0.01	not set	3414	-	-
haloxyfop	Whole	0.005	not set	499	-	-
imazamox	Whole	0.01	0.05	724	0	0
imazapic	Whole	0.01	0.05	724	0	0

imazapyr	Whole	0.01	0.05	724	11	1
imazaquin	Whole	0.01	not set	724	-	-
imazethapyr	Whole	0.01	not set	724	-	-
iodosulfuron-methyl	Whole	0.01	0.01	3414	0	0
ioxynil	Whole	0.01	not set	3414	-	-
isoxaben	Whole	0.01	0.01	3414	0	0
isoxaflutole	Whole	0.01	0.02	3414	0	0
linuron	Whole	0.01	0.05	3414	0	0
MCPA	Whole	0.01	0.02	3414	0	0
MCPB	Whole	0.01	0.02	3414	0	0
mefenpyr-diethyl	Whole	0.01	0.01	3414	0	0
mesotrione	Whole	0.01	0.01	3414	0	0
metamitron	Whole	0.01	not set	3414	-	-
metazachlor	Whole	0.01	0.03	3414	0	0
methabenzthiazuron	Whole	0.01	not set	3414	-	-
metolachlor	Whole	0.01	0.02	3414	0	0
metosulam	Whole	0.01	0.02	3414	0	0
metribuzin	Whole	0.01	0.05	3414	0	0
metsulfuron-methyl	Whole	0.01	0.02	3414	0	0
napropamide	Whole	0.01	not set	3414	-	-
norflurazon	Whole	0.01	not set	3414	-	-
oryzalin	Whole	0.01	0.01	3414	0	0
oxyfluorfen	Whole	0.01	0.05	3414	0	0
paraquat	Whole	0.01	0.05	499	0	0
pendimethalin	Whole	0.01	0.05	3414	0	0
picloram	Whole	0.01	0.2	3414	0	0
picolinafen	Whole	0.01	0.02	3414	0	0
pinoxaden (parent)	Whole	0.01	0.1	3414	0	0
prometryn	Whole	0.01	0.1	3414	0	0
propachlor	Whole	0.01	0.05	3414	0	0
propaquizafop	Whole	0.01	not set	499	-	-
propyzamide	Whole	0.01	not set	3414	-	-
prosulfocarb	Whole	0.01	0.01	3414	0	0
pyraflufen-ethyl	Whole	0.01	0.02	3414	0	0
pyrasulfotole	Whole	0.01	0.02	3414	0	0
pyroxasulfone	Whole	0.01	0.01	3414	0	0
pyroxsulam	Whole	0.01	0.01	3414	0	0
quizalofop-ethyl	Whole	0.01	not set	499	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	499	-	-
saflufenacil	Whole	0.01	0.2	3414	0	0
sethoxydim	Whole	0.01	0.1	3414	0	0
simazine	Whole	0.01	not set	3414	-	-

sulfosulfuron	Whole	0.01	0.01	3414	0	0
terbuthylazine	Whole	0.01	0.01	3414	0	0
terbutryn	Whole	0.01	0.1	3414	0	0
tiafenacil	Whole	0.01	0.01	3414	0	0
topramezone	Whole	0.01	0.01	3414	0	0
tralkoxydim	Whole	0.01	0.02	3414	0	0
triallate	Whole	0.01	0.05	3414	0	0
triasulfuron	Whole	0.01	0.02	3414	0	0
tribenuron-methyl	Whole	0.01	0.01	3414	0	0
triclopyr	Whole	0.01	not set	3414	-	-
trifludimoxazin	Whole	0.01	0.01	3414	0	0
trifluralin	Whole	0.01	0.05	3414	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	3414	-	-
acephate	Whole	0.01	not set	3414	-	-
acetamiprid	Whole	0.01	not set	3414	-	-
aldicarb	Whole	0.01	not set	3414	-	-
amitraz	Whole	0.01	not set	3414	-	-
azamethiphos	Whole	0.01	0.1	3414	0	0
azinphos-methyl	Whole	0.01	not set	3414	-	-
bifenazate	Whole	0.01	not set	3414	-	-
bifenthrin	Whole	0.01	0.02	3414	0	0
bioresmethrin	Whole	0.01	not set	3414	-	-
buprofezin	Whole	0.01	0.01	3414	0	0
cadusafos	Whole	0.01	not set	3414	-	-
carbaryl	Whole	0.01	5	3414	0	0
carbofuran	Whole	0.01	not set	3414	-	-
chlorantraniliprole	Whole	0.01	0.1	3414	0	0
chlorfenapyr	Whole	0.01	not set	3414	-	-
chlorfenvinphos	Whole	0.01	0.05	3414	0	0
chlorpyrifos	Whole	0.01	0.1	3414	7	3
chlorpyrifos-methyl	Whole	0.01	10	3414	2	0
clofentezine	Whole	0.01	not set	3414	-	-
clothianidin	Whole	0.01	0.02	3414	0	0
cyantraniliprole	Whole	0.01	0.05	3414	0	0
cyfluthrin	Whole	0.01	not set	3414	-	-
cyhalothrin	Whole	0.01	0.05	3414	0	0
cypermethrin	Whole	0.01	0.2	3414	1	0

deltamethrin	Whole	0.01	2	3414	0	0
diafenthiuron	Whole	0.01	not set	3414	-	-
diazinon	Whole	0.01	0.1	3414	0	0
dichlorvos	Whole	0.01	0.01	3414	0	0
dicofol	Whole	0.01	not set	3414	-	-
diflubenzuron	Whole	0.01	not set	3414	-	-
dimethoate	Whole	0.01	0.5	3414	0	0
dinotefuran	Whole	0.01	not set	3414	-	-
disulfoton	Whole	0.01	not set	3414	-	-
emamectin	Whole	0.01	0.01	3414	0	0
ethion	Whole	0.01	not set	3414	-	-
ethoprophos	Whole	0.005	not set	3414	-	-
etoxazole	Whole	0.01	not set	3414	-	-
fenamiphos	Whole	0.01	not set	3414	-	-
fenbutatin oxide	Whole	0.01	not set	3414	-	-
fenitrothion	Whole	0.01	10	3414	0	0
fenoxycarb	Whole	0.01	not set	3414	-	-
fenpyroximate	Whole	0.01	not set	3414	-	-
fenthion	Whole	0.01	not set	3414	-	-
fenvalerate	Whole	0.01	2	3414	0	0
fipronil	Whole	0.002	not set	3414	-	-
flonicamid	Whole	0.01	not set	3414	-	-
fluensulfone	Whole	0.01	0.05	3414	0	0
flupyradifurone	Whole	0.01	0.2	3414	0	0
hexythiazox	Whole	0.01	not set	3414	-	-
imidacloprid	Whole	0.01	0.05	3414	1	0
indoxacarb	Whole	0.01	not set	3414	-	-
malathion	Whole	0.01	8	3414	0	0
methacrifos	Whole	0.01	not set	3414	-	-
methamidophos	Whole	0.01	not set	3414	-	-
methidathion	Whole	0.01	not set	3414	-	-
methiocarb	Whole	0.01	not set	3414	-	-
methomyl	Whole	0.01	0.1	3414	0	0
methoprene	Whole	0.01	2	3414	3	0
methoxychlor	Whole	0.01	not set	3414	-	-
methoxyfenozide	Whole	0.01	not set	3414	-	-
mevinphos	Whole	0.01	not set	3414	-	-
monocrotophos	Whole	0.01	not set	3414	-	-
omethoate	Whole	0.01	0.05	3414	0	0
parathion	Whole	0.01	not set	3414	-	-
parathion-methyl	Whole	0.01	not set	3414	-	-
permethrin	Whole	0.01	2	3414	0	0

phenothrin	Whole	0.01	2	3414	0	0
phorate	Whole	0.01	not set	3414	-	-
phosmet	Whole	0.01	0.05	3414	0	0
piperonyl butoxide	Whole	0.01	20	3414	0	0
pirimicarb	Whole	0.01	0.02	3414	0	0
pirimiphos-methyl	Whole	0.01	10	3414	0	0
profenofos	Whole	0.01	not set	3414	-	-
propargite	Whole	0.01	not set	3414	-	-
prothiofos	Whole	0.01	not set	3414	-	-
pymetrozine	Whole	0.01	not set	3414	-	-
pyrethrins	Whole	0.01	3	3414	0	0
pyriproxyfen	Whole	0.01	not set	3414	-	-
spinetoram	Whole	0.01	not set	3414	-	-
spinosad	Whole	0.01	1	3414	2	1
spirotetramat	Whole	0.01	not set	3414	-	-
sulfoxaflor	Whole	0.01	0.05	3414	0	0
tau-fluvalinate	Whole	0.01	not set	3414	-	-
tebufenozide	Whole	0.01	not set	3414	-	-
tebufenpyrad	Whole	0.01	not set	3414	-	-
terbufos	Whole	0.01	0.01	3414	0	0
tetradifon	Whole	0.01	not set	3414	-	-
thiacloprid	Whole	0.01	not set	3414	-	-
thiamethoxam	Whole	0.01	0.01	3414	0	0
thiodicarb	Whole	0.01	not set	3414	-	-
triazofos	Whole	0.01	not set	3414	-	-
trichlorfon	Whole	0.01	0.1	3414	0	0
triflumuron	Whole	0.01	0.05	3414	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	3414	-	-
prohexadione-calcium	Whole	0.01	not set	3414	-	-
trinexapac-ethyl	Whole	0.01	0.2	3414	0	0