Australian Government
Department of Agriculture and Water Resources

Wheat (bran) residue testing annual datasets 2017–18

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)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azoxystrobin	whole	0.01	0.02	99	0	0
benalaxyl	whole	0.01	not set	99	–	0
bitertanol	whole	0.01	not set	99	–	0
boscalid	whole	0.01	0.5	99	0	0
bupirimate	whole	0.01	not set	99	–	0
captafol	whole	0.02	not set	99	–	0
captan	whole	0.01	not set	99	–	0
carbendazim	whole	0.01	not set	99	–	0
chlorothalonil	whole	0.01	not set	99	–	0
cyproconazole	whole	0.01	0.02	99	0	0
cyprodinil	whole	0.01	not set	99	–	0
difenoconazole	whole	0.01	0.01	99	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	99	–	0
dithianon	whole	0.01	not set	99	–	0
dodine	whole	0.01	not set	99	–	0
epoxiconazole	whole	0.01	0.3	99	0	0
etridiazole	whole	0.01	not set	99	–	0
fenarimol	whole	0.01	not set	99	–	0
fenhexamid	whole	0.01	not set	99	–	0
fluazinam	whole	0.01	not set	99	–	0
fludioxonil	whole	0.01	not set	99	–	0
fluquinconazole	whole	0.01	0.02	99	0	0
flusilazole	whole	0.01	not set	99	–	0
flutriafol	whole	0.01	0.1	99	0	0
fluxapyroxad	whole	0.01	0.1	99	0	0
hexaconazole	whole	0.01	not set	99	–	0
imazalil	whole	0.01	not set	99	–	0
ipconazole	whole	0.01	0.01	99	0	0
iprodione	whole	0.01	not set	99	–	0
kresoxim-methyl	whole	0.01	not set	99	–	0
metalaxyl	whole	0.01	0.01	99	0	0
myclobutanil	whole	0.01	not set	99	–	0
oxadixyl	whole	0.01	not set	99	–	0
penconazole	whole	0.01	not set	99	–	0
prochloraz	whole	0.01	not set	99	–	0
procymidone	whole	0.01	not set	99	–	0
propiconazole	whole	0.01	0.05	99	0	0
prothioconazole	whole	0.01	0.5	99	0	0
pyraclostrobin	whole	0.01	0.01	99	0	0
pyrimethanil	whole	0.01	not set	99	–	0
quinoxyfen	whole	0.01	not set	99	–	0
spiroxamine-P	whole	0.01	not set	99	–	0
tebuconazole	whole	0.01	0.2	99	0	0
thiabendazole-P	whole	0.01	not set	99	–	0
tolclofos methyl	whole	0.01	not set	99	–	0
triadimefon	whole	0.01	0.5	99	0	0
triadimenol	whole	0.01	0.01	99	0	0
trifloxystrobin	whole	0.01	not set	99	–	0
triticonazole	whole	0.01	0.05	99	0	0
vinclozolin	whole	0.01	not set	99	–	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	99	0	0
2,4-D	whole	0.01	0.2	99	0	0
amitrole	whole	0.01	0.01	20	0	0
atrazine	whole	0.01	not set	99	–	0
bromacil	whole	0.01	not set	99	–	0
bromoxynil	whole	0.01	0.2	99	0	0
carfentrazone-ethyl	whole	0.01	0.05	99	0	0
chlorpropham	whole	0.01	not set	99	–	0
chlorsulfuron	whole	0.01	0.05	99	0	0
chlorthal-dimethyl	whole	0.01	not set	99	–	0
clethodim (parent only)	whole	0.01	0.1	99	0	0
clodinafop-propargyl	whole	0.01	0.05	99	0	0
clopyralid	whole	0.01	2	99	0	0
cyanazine	whole	0.01	0.01	99	0	0
dicamba	whole	0.01	0.05	99	0	0
dichlobenil	whole	0.01	not set	99	–	0
dichlorprop-P	whole	0.01	not set	99	–	0
diclofop-methyl	whole	0.01	0.1	20	0	0
diflufenican	whole	0.01	0.02	99	0	0
diquat	whole	0.01	2	20	0	0
diuron	whole	0.01	0.1	99	0	0
ethofumesate	whole	0.01	not set	99	–	0
fenoxaprop-ethyl	whole	0.01	0.01	20	0	0
flamprop-M-methyl	whole	0.01	0.05	20	0	0
fluazifop-p-butyl	whole	0.01	not set	20	–	0
flumetsulam	whole	0.01	0.05	99	0	0
glufosinate	whole	0.01	not set	20	–	0
glyphosate	whole	0.01	20	20	0	0
haloxyfop	whole	0.01	not set	20	–	0
imazamox	whole	0.01	not set	99	–	0
imazapic	whole	0.01	0.05	99	0	0
imazapyr	whole	0.01	0.05	99	0	0
imazaquin	whole	0.01	not set	99	–	0
imazethapyr	whole	0.01	not set	99	–	0
iodosulfuron-methyl	whole	0.01	0.01	99	0	0
ioxynil	whole	0.01	not set	99	–	0
isoxaben	whole	0.01	0.01	99	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
linuron	whole	0.01	0.05	99	0	0
MCPA	whole	0.01	0.02	99	0	0
methabenzthiazuron	whole	0.01	not set	99	–	0
metolachlor	whole	0.01	0.02	99	0	0
metosulam	whole	0.01	0.02	99	0	0
metribuzin	whole	0.01	0.05	99	0	0
metsulfuron-methyl	whole	0.01	0.02	99	0	0
napropamide	whole	0.01	not set	99	–	0
norflurazon	whole	0.01	not set	99	–	0
oryzalin	whole	0.01	0.01	99	0	0
oxyfluorfen	whole	0.01	0.05	99	0	0
paraquat	whole	0.01	0.05	20	0	0
pendimethalin	whole	0.01	0.05	99	0	0
picloram	whole	0.01	0.2	99	0	0
propachlor	whole	0.01	0.05	99	0	0
propyzamide	whole	0.01	not set	99	–	0
quizalofop-ethyl	whole	0.01	not set	20	–	0
quizalofop-P-tefuryl	whole	0.01	not set	20	–	0
saflufenacil	whole	0.01	0.5	99	0	0
sethoxydim	whole	0.01	0.1	99	0	0
simazine	whole	0.01	not set	99	–	0
tralkoxydim	whole	0.01	0.02	99	0	0
triasulfuron	whole	0.01	0.02	99	0	0
triclopyr	whole	0.01	not set	99	–	0
trifluralin	whole	0.01	0.05	99	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	99	–	0
emamectin	whole	0.01	not set	99	–	0
acephate	whole	0.01	not set	99	–	0
acetamiprid-P	whole	0.01	not set	99	–	0
aldicarb	whole	0.01	not set	99	–	0
amitraz	whole	0.01	not set	99	–	0
azamethiphos	whole	0.01	0.5	99	0	0
azinphos-methyl	whole	0.01	not set	99	–	0
bifenazate	whole	0.01	not set	99	–	0
bifenthrin	whole	0.01	0.02	99	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
bioresmethrin	whole	0.01	not set	99	–	0
buprofezin	whole	0.01	not set	99	–	0
cadusafos	whole	0.01	not set	99	–	0
carbaryl	whole	0.01	10	99	0	0
carbofuran	whole	0.01	0.2	99	0	0
chlorantraniliprole	whole	0.01	0.01	99	0	0
chlorfenapyr	whole	0.01	not set	99	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	99	0	0
chlorpyrifos	whole	0.01	0.1	99	0	0
chlorpyrifos-methyl	whole	0.01	20	99	0	0
clofentezine	whole	0.01	not set	99	–	0
clothianidin	whole	0.01	not set	99	–	0
cyfluthrin (sum of isomers)	whole	0.01	5	99	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.05	99	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	99	0	0
deltamethrin	whole	0.01	5	99	0	0
diafenthiuron	whole	0.01	not set	99	–	0
diazinon	whole	0.01	0.1	99	0	0
dichlorvos	whole	0.01	0.01	99	0	0
dicofol	whole	0.01	not set	99	–	0
diflubenzuron	whole	0.01	not set	99	–	0
dimethoate	whole	0.01	1	99	0	0
disulfoton	whole	0.01	not set	99	–	0
esfenvalerate	whole	0.01	5	99	0	0
ethion	whole	0.01	not set	99	–	0
ethoprophos	whole	0.005	0.005	99	0	0
etoxazole	whole	0.01	not set	99	–	0
fenamiphos	whole	0.01	not set	99	–	0
fenbutatin oxide	whole	0.01	not set	99	–	0
fenitrothion	whole	0.01	20	99	0	0
fenoxycarb	whole	0.01	not set	99	–	0
fenpyroximate	whole	0.01	not set	99	–	0
fenthion	whole	0.01	not set	99	–	0
fenvalerate (sum of isomers)	whole	0.01	5	99	0	0
fipronil	whole	0.002	not set	99	–	0
hexythiazox	whole	0.01	not set	99	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
imidacloprid	whole	0.01	0.05	99	0	0
indoxacarb	whole	0.01	not set	99	–	0
malathion (maldison)	whole	0.01	20	99	0	0
methacrifos	whole	0.01	not set	99	–	0
methamidophos	whole	0.01	not set	99	–	0
methidathion	whole	0.01	0.01	99	0	0
methiocarb	whole	0.01	not set	99	–	0
methomyl	whole	0.01	0.1	99	0	0
methoprene	whole	0.01	5	99	0	0
methoxychlor	whole	0.01	not set	99	–	0
methoxyfenozide	whole	0.01	not set	99	–	0
mevinphos	whole	0.01	not set	99	–	0
monocrotophos	whole	0.01	not set	99	–	0
omethoate	whole	0.01	0.05	99	0	0
parathion	whole	0.01	not set	99	–	0
parathion-methyl	whole	0.01	not set	99	–	0
permethrin (sum of isomers)	whole	0.01	5	99	0	0
phenothrin (sum of isomers)	whole	0.01	5	99	0	0
phorate	whole	0.01	not set	99	–	0
phosmet	whole	0.01	0.05	99	0	0
piperonyl butoxide	whole	0.01	40	99	0	0
pirimicarb	whole	0.01	0.02	99	0	0
pirimiphos-methyl	whole	0.01	20	99	0	0
profenofos	whole	0.01	not set	99	–	0
propargite	whole	0.01	not set	99	–	0
prothiofos	whole	0.01	not set	99	–	0
pymetrozine	whole	0.01	not set	99	–	0
pyrethrins	whole	0.01	3	99	0	0
pyriproxyfen	whole	0.01	not set	99	–	0
spinetoram	whole	0.01	not set	99	–	0
spinosad	whole	0.01	2	99	0	0
spirotetramat	whole	0.01	not set	99	–	0
sulfoxaflor	whole	0.01	0.01	99	0	0
tau-fluvalinate	whole	0.01	not set	99	–	0
tebufenozide	whole	0.01	not set	99	–	0
tebufenpyrad	whole	0.01	not set	99	–	0
terbufos	whole	0.01	0.01	99	0	0
tetradifon	whole	0.01	not set	99	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiacloprid	whole	0.01	not set	99	–	0
thiamethoxam	whole	0.01	0.01	99	0	0
thiodicarb	whole	0.01	not set	99	–	0
triazofos	whole	0.01	not set	99	–	0
trichlorfon	whole	0.01	0.1	99	0	0
triflumuron	whole	0.01	0.05	99	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	99	0	0
chlordane	whole	0.01	0.02	99	0	0
DDT	whole	0.01	0.1	99	0	0
endosulfan	whole	0.01	not set	99	–	0
endrin	whole	0.01	not set	99	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	99	0	0
HCH (BHC)	whole	0.01	0.1	99	0	0
heptachlor	whole	0.01	0.02	99	0	0
lindane (gamma-HCH)	whole	0.01	0.5	99	0	0
mirex	whole	0.01	not set	99	–	0