Australian Government
Department of Agriculture and Water Resources

Wheat 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.

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Table 1 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	0.02	2890	0	0
chlordane	whole	0.01	0.02	2890	0	0
DDT	whole	0.01	0.1	2890	0	0
endosulfan	whole	0.01	not set	2890	–	0
endrin	whole	0.01	not set	2890	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	2890	0	0
HCH (BHC)	whole	0.01	0.1	2890	0	0
heptachlor	whole	0.01	0.02	2890	0	0
lindane (gamma-HCH)	whole	0.01	0.5	2890	0	0
mirex	whole	0.01	not set	2890	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	0.02	2890	0	0
chlordane	whole	0.01	0.02	2890	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	2890	–	0
dithianon	whole	0.01	not set	2890	–	0
dodine	whole	0.01	not set	2890	–	0
epoxiconazole	whole	0.01	0.05	2890	0	0
etridiazole	whole	0.01	not set	2890	–	0
fenarimol	whole	0.01	not set	2890	–	0
fenhexamid	whole	0.01	not set	2890	–	0
fluazinam	whole	0.01	not set	2890	–	0
fludioxonil	whole	0.01	not set	2890	–	0
fluquinconazole	whole	0.01	0.02	2890	0	0
flusilazole	whole	0.01	not set	2890	–	0
flutriafol	whole	0.01	0.1	2890	7	6
fluxapyroxad	whole	0.01	0.1	2890	0	0
hexaconazole	whole	0.01	not set	2890	–	0
imazalil	whole	0.01	not set	2890	–	0
ipconazole	whole	0.01	0.01	2890	0	0
iprodione	whole	0.01	not set	2890	–	0
kresoxim-methyl	whole	0.01	not set	2890	–	0
metalaxyl	whole	0.01	0.01	2890	0	0
myclobutanil	whole	0.01	not set	2890	–	0
oxadixyl	whole	0.01	not set	2890	–	0
penconazole	whole	0.01	not set	2890	–	0
prochloraz	whole	0.01	not set	2890	–	0
procymidone	whole	0.01	not set	2890	–	0
propiconazole	whole	0.01	0.05	2890	0	0
prothioconazole	whole	0.01	0.3	2890	0	0
pyraclostrobin	whole	0.01	0.01	2890	0	0
pyrimethanil	whole	0.01	not set	2890	–	0
quinoxyfen	whole	0.01	not set	2890	–	0
spiroxamine-P	whole	0.01	not set	2890	–	0
tebuconazole	whole	0.01	0.2	2890	0	0
thiabendazole-P	whole	0.01	not set	2890	–	0
tolclofos methyl	whole	0.01	not set	2890	–	0
triadimefon	whole	0.01	0.5	2890	0	0
triadimenol	whole	0.01	0.01	2890	0	0
trifloxystrobin	whole	0.01	not set	2890	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triticonazole	whole	0.01	0.05	2890	0	0
vinclozolin	whole	0.01	not set	2890	0	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	2890	0	0
2,4-D	whole	0.01	0.2	2890	0	0
amitrole	whole	0.01	0.01	430	0	0
atrazine	whole	0.01	not set	2890	–	0
bromacil	whole	0.01	not set	2890	–	0
bromoxynil	whole	0.01	0.2	2890	0	0
carfentrazone-ethyl	whole	0.01	0.05	2890	0	0
chlorpropham	whole	0.01	not set	2890	–	0
chlorsulfuron	whole	0.01	0.05	2890	0	0
chlorthal-dimethyl	whole	0.01	not set	2890	–	0
clethodim (parent only)	whole	0.01	0.1	2890	0	0
clodinafop-propargyl	whole	0.01	0.05	2890	0	0
clopyralid	whole	0.01	2	2890	0	0
cyanazine	whole	0.01	0.01	2890	0	0
dicamba	whole	0.01	0.05	2890	0	0
dichlobenil	whole	0.01	not set	2890	–	0
dichlorprop-P	whole	0.01	not set	2890	–	0
diclofop-methyl	whole	0.01	0.1	430	0	0
diflufenican	whole	0.01	0.02	2890	0	0
diquat	whole	0.01	2	430	0	0
diuron	whole	0.01	0.1	2890	0	0
ethofumesate	whole	0.01	not set	2890	–	0
fenoxaprop-ethyl	whole	0.01	0.01	430	0	0
flamprop-M-methyl	whole	0.01	0.05	430	0	0
fluazifop-p-butyl	whole	0.01	not set	430	–	0
flumetsulam	whole	0.01	0.05	2890	0	0
glufosinate	whole	0.01	not set	430	–	0
glyphosate	whole	0.01	5	430	0	0
haloxyfop	whole	0.01	not set	430	–	0
imazamox	whole	0.01	0.05	2890	0	0
imazapic	whole	0.01	0.05	2890	0	0
imazapyr	whole	0.01	0.05	2890	0	0
imazaquin	whole	0.01	not set	2890	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
imazethapyr	whole	0.01	not set	2890	–	0
iodosulfuron-methyl	whole	0.01	0.01	2890	0	0
ioxynil	whole	0.01	not set	2890	–	0
isoxaben	whole	0.01	0.01	2890	0	0
linuron	whole	0.01	0.05	2890	0	0
MCPA	whole	0.01	0.02	2890	0	0
methabenzthiazuron	whole	0.01	not set	2890	–	0
metolachlor	whole	0.01	0.02	2890	0	0
metosulam	whole	0.01	0.02	2890	0	0
metribuzin	whole	0.01	0.05	2890	0	0
metsulfuron-methyl	whole	0.01	0.02	2890	0	0
napropamide	whole	0.01	not set	2890	–	0
norflurazon	whole	0.01	not set	2890	–	0
oryzalin	whole	0.01	0.01	2890	0	0
oxyfluorfen	whole	0.01	0.05	2890	0	0
paraquat	whole	0.01	0.05	430	0	0
pendimethalin	whole	0.01	0.05	2890	0	0
picloram	whole	0.01	0.2	2890	0	0
propachlor	whole	0.01	0.05	2890	0	0
propyzamide	whole	0.01	not set	2890	–	0
quizalofop-ethyl	whole	0.01	not set	430	–	0
quizalofop-P-tefuryl	whole	0.01	not set	430	–	0
saflufenacil	whole	0.01	0.2	2890	0	0
sethoxydim	whole	0.01	0.1	2890	0	0
simazine	whole	0.01	not set	2890	–	0
tralkoxydim	whole	0.01	0.02	2890	0	0
triasulfuron	whole	0.01	0.02	2890	0	0
triclopyr	whole	0.01	not set	2890	–	0
trifluralin	whole	0.01	0.05	2890	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	2890	–	0
emamectin	whole	0.01	not set	2890	–	0
acephate	whole	0.01	not set	2890	–	0
acetamiprid-P	whole	0.01	not set	2890	–	0
aldicarb	whole	0.01	not set	2890	–	0
amitraz	whole	0.01	not set	2890	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azamethiphos	whole	0.01	0.1	2890	0	0
azinphos-methyl	whole	0.01	not set	2890	–	0
bifenazate	whole	0.01	not set	2890	–	0
bifenthrin	whole	0.01	0.02	2890	0	0
bioresmethrin	whole	0.01	not set	2890	–	0
buprofezin	whole	0.01	not set	2890	–	0
cadusafos	whole	0.01	not set	2890	–	0
carbaryl	whole	0.01	5	2890	0	0
carbofuran	whole	0.01	0.2	2890	0	0
chlorantraniliprole	whole	0.01	0.01	2890	0	0
chlorfenapyr	whole	0.01	not set	2890	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	2890	0	0
chlorpyrifos	whole	0.01	0.1	2890	1	0
chlorpyrifos-methyl	whole	0.01	10	2890	0	0
clofentezine	whole	0.01	not set	2890	–	0
clothianidin	whole	0.01	not set	2890	–	0
cyfluthrin (sum of isomers)	whole	0.01	2	2890	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.05	2890	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	2890	0	0
deltamethrin	whole	0.01	2	2890	0	0
diafenthiuron	whole	0.01	not set	2890	–	0
diazinon	whole	0.01	0.1	2890	0	0
dichlorvos	whole	0.01	0.01	2890	0	0
dicofol	whole	0.01	not set	2890	–	0
diflubenzuron	whole	0.01	not set	2890	–	0
dimethoate	whole	0.01	0.05	2890	0	0
disulfoton	whole	0.01	not set	2890	–	0
esfenvalerate	whole	0.01	2	2890	0	0
ethion	whole	0.01	not set	2890	–	0
ethoprophos	whole	0.005	0.005	2890	0	0
etoxazole	whole	0.01	not set	2890	–	0
fenamiphos	whole	0.01	not set	2890	–	0
fenbutatin oxide	whole	0.01	not set	2890	–	0
fenitrothion	whole	0.01	10	2890	0	0
fenoxycarb	whole	0.01	not set	2890	–	0
fenpyroximate	whole	0.01	not set	2890	–	0
fenthion	whole	0.01	not set	2890	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
fenvalerate (sum of isomers)	whole	0.01	2	2890	0	0
fipronil	whole	0.002	not set	2890	–	0
hexythiazox	whole	0.01	not set	2890	–	0
imidacloprid	whole	0.01	0.05	2890	1	2
indoxacarb	whole	0.01	not set	2890	–	0
malathion (maldison)	whole	0.01	8	2890	0	0
methacrifos	whole	0.01	not set	2890	–	0
methamidophos	whole	0.01	not set	2890	–	0
methidathion	whole	0.01	0.01	2890	0	0
methiocarb	whole	0.01	not set	2890	–	0
methomyl	whole	0.01	0.1	2890	0	0
methoprene	whole	0.01	2	2890	0	0
methoxychlor	whole	0.01	not set	2890	–	0
methoxyfenozide	whole	0.01	not set	2890	–	0
mevinphos	whole	0.01	not set	2890	–	0
monocrotophos	whole	0.01	not set	2890	–	0
omethoate	whole	0.01	0.05	2890	0	0
parathion	whole	0.01	not set	2890	–	0
parathion-methyl	whole	0.01	not set	2890	–	0
permethrin (sum of isomers)	whole	0.01	2	2890	0	0
phenothrin (sum of isomers)	whole	0.01	2	2890	0	0
phorate	whole	0.01	not set	2890	–	0
phosmet	whole	0.01	0.05	2890	0	0
piperonyl butoxide	whole	0.01	20	2890	0	0
pirimicarb	whole	0.01	0.02	2890	0	0
pirimiphos-methyl	whole	0.01	10	2890	0	0
profenofos	whole	0.01	not set	2890	–	0
propargite	whole	0.01	not set	2890	–	0
prothiofos	whole	0.01	not set	2890	–	0
pymetrozine	whole	0.01	not set	2890	–	0
pyrethrins	whole	0.01	3	2890	0	0
pyriproxyfen	whole	0.01	not set	2890	–	0
spinetoram	whole	0.01	not set	2890	–	0
spinosad	whole	0.01	1	2890	9	0
spirotetramat	whole	0.01	not set	2890	–	0
sulfoxaflor	whole	0.01	0.01	2890	0	0
tau-fluvalinate	whole	0.01	not set	2890	–	0
tebufenozide	whole	0.01	not set	2890	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tebufenpyrad	whole	0.01	not set	2890	–	0
terbufos	whole	0.01	0.01	2890	0	0
tetradifon	whole	0.01	not set	2890	–	0
thiacloprid	whole	0.01	not set	2890	–	0
thiamethoxam	whole	0.01	0.01	2890	0	0
thiodicarb	whole	0.01	not set	2890	–	0
triazofos	whole	0.01	not set	2890	–	0
trichlorfon	whole	0.01	0.1	2890	0	0
triflumuron	whole	0.01	0.05	2890	0	0
acephate	whole	0.01	not set	2890	–	0
acetamiprid-P	whole	0.01	not set	2890	–	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	3652	0	0
chlordane	whole	0.01	0.02	3652	0	0
DDT	whole	0.01	0.1	3652	0	0
endosulfan	whole	0.01	not set	3652	–	0
endrin	whole	0.01	not set	3652	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	3652	0	0
HCH (BHC)	whole	0.01	0.1	3652	0	0
heptachlor	whole	0.01	0.02	3652	0	0
lindane (gamma-HCH)	whole	0.01	0.5	3652	0	0
mirex	whole	0.01	not set	3652	–	0