



Wheat residue testing annual datasets 2016–17

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
azoxystrobin	whole	0.01	0.1	3652	0	0
benalaxyl	whole	0.01	not set	3652	–	0
bitertanol	whole	0.01	not set	3652	–	0
boscalid	whole	0.01	0.5	3652	0	0
bupirimate	whole	0.01	not set	3652	–	0
captafol	whole	0.02	not set	3652	–	0
captan	whole	0.01	not set	3652	–	0
carbendazim	whole	0.01	not set	3652	–	0
chlorothalonil	whole	0.01	not set	3652	–	0
cyproconazole	whole	0.01	0.02	3652	0	0
cyprodinil	whole	0.01	not set	3652	–	0
difenoconazole	whole	0.01	0.01	3652	0	0

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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	3652	–	0
dithianon	whole	0.01	not set	3652	–	0
dodine	whole	0.01	not set	3652	–	0
epoxiconazole	whole	0.01	0.05	3652	0	0
etridiazole	whole	0.01	not set	3652	–	0
fenarimol	whole	0.01	not set	3652	–	0
fenhexamid	whole	0.01	not set	3652	–	0
fluazinam	whole	0.01	not set	3652	–	0
fludioxonil	whole	0.01	not set	3652	–	0
fluquinconazole	whole	0.01	0.02	3652	0	0
flusilazole	whole	0.01	not set	3652	–	0
flutriafol	whole	0.01	0.02	3652	23	28
fluxapyroxad	whole	0.01	0.01	3652	0	0
hexaconazole	whole	0.01	not set	3652	–	0
imazalil	whole	0.01	not set	3652	–	0
ipconazole	whole	0.01	0.01	3652	0	0
iprodione	whole	0.01	not set	3652	–	0
kresoxim-methyl	whole	0.01	not set	3652	–	0
metalaxyl	whole	0.01	0.01	3652	0	0
myclobutanil	whole	0.01	not set	3652	–	0
oxadixyl	whole	0.01	not set	3652	–	0
penconazole	whole	0.01	not set	3652	–	0
prochloraz	whole	0.01	not set	3652	–	0
procymidone	whole	0.01	not set	3652	–	0
propiconazole	whole	0.01	0.05	3652	0	0
prothioconazole	whole	0.01	0.3	3652	0	0
pyraclostrobin	whole	0.01	0.01	3652	0	0
pyrimethanil	whole	0.01	not set	3652	–	0
quinoxifen	whole	0.01	not set	3652	–	0
spiroxamine-P	whole	0.01	not set	3652	–	0
tebuconazole	whole	0.01	0.2	3652	0	0
thiabendazole	whole	0.01	not set	3652	–	1
tolclofos methyl	whole	0.01	not set	3652	–	0
triadimefon	whole	0.01	0.5	3652	0	0
triadimenol	whole	0.01	0.01	3652	0	0
trifloxystrobin	whole	0.01	not set	3652	–	0
triticonazole	whole	0.01	0.05	3652	0	0
vinclozolin	whole	0.01	not set	3652	–	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	3652	0	0
2,4-D	whole	0.01	0.2	3652	0	0
amitrole	whole	0.01	0.01	370	0	0
atrazine	whole	0.01	not set	3652	–	0
bromacil	whole	0.01	not set	3652	–	0
bromoxynil	whole	0.01	0.2	3652	0	0
carfentrazone-ethyl	whole	0.01	0.05	3652	0	0
chlorpropham	whole	0.01	not set	3652	–	0
chlorsulfuron	whole	0.01	0.05	3652	0	0
chlorthal-dimethyl	whole	0.01	not set	3652	–	0
clethodim (parent only)	whole	0.01	0.1	3652	0	0
clodinafop-propargyl	whole	0.01	0.05	3652	0	0
clopyralid	whole	0.01	2	3652	0	0
cyanazine	whole	0.01	0.01	3652	0	0
dicamba	whole	0.01	0.05	3652	0	0
dichlobenil	whole	0.01	not set	3652	–	0
dichlorprop-P	whole	0.01	not set	3652	–	0
diclofop-methyl	whole	0.01	0.1	370	0	0
diflufenican	whole	0.01	0.02	3652	0	0
diquat	whole	0.01	2	370	0	0
diuron	whole	0.01	0.1	3652	0	0
ethofumesate	whole	0.01	not set	3652	–	0
fenoxaprop-ethyl	whole	0.01	0.01	370	0	0
flamprop-M-methyl	whole	0.01	0.05	370	0	0
fluazifop-p-butyl	whole	0.01	not set	370	–	0
flumetsulam	whole	0.01	0.05	3652	0	0
glufosinate	whole	0.01	not set	370	–	0
glyphosate	whole	0.01	5	370	0	0
haloxyfop	whole	0.01	not set	370	–	0
imazamox	whole	0.01	0.05	3652	0	0
imazapic	whole	0.01	0.05	3652	0	0
imazapyr	whole	0.01	0.05	3652	0	0
imazaquin	whole	0.01	not set	3652	–	0
imazethapyr	whole	0.01	not set	3652	–	0
iodosulfuron-methyl	whole	0.01	0.01	3652	0	0
ioxynil	whole	0.01	not set	3652	–	0
isoxaben	whole	0.01	0.01	3652	0	0
linuron	whole	0.01	0.05	3652	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	3652	0	0
methabenzthiazuron	whole	0.01	not set	3652	–	0
metolachlor	whole	0.01	0.02	3652	0	3
metosulam	whole	0.01	0.02	3652	0	0
metribuzin	whole	0.01	0.05	3652	0	0
metsulfuron-methyl	whole	0.01	0.02	3652	0	0
napropamide	whole	0.01	not set	3652	–	0
norflurazon	whole	0.01	not set	3652	–	0
oryzalin	whole	0.01	0.01	3652	0	0
oxyfluorfen	whole	0.01	0.05	3652	0	0
paraquat	whole	0.01	0.05	370	0	0
pendimethalin	whole	0.01	0.05	3652	0	0
picloram	whole	0.01	0.2	3652	0	0
propachlor	whole	0.01	0.05	3652	0	0
propyzamide	whole	0.01	not set	3652	–	0
quizalofop-ethyl	whole	0.01	not set	370	–	0
quizalofop-P-tefuryl	whole	0.01	not set	370	–	0
saflufenacil	whole	0.01	0.03	3652	0	0
sethoxydim	whole	0.01	0.1	3652	0	0
simazine	whole	0.01	not set	3652	–	0
tralkoxydim	whole	0.01	0.02	3652	0	0
triasulfuron	whole	0.01	0.02	3652	0	0
triclopyr	whole	0.01	not set	3652	–	0
trifluralin	whole	0.01	0.05	3652	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	3652	–	0
acephate	whole	0.01	not set	3652	–	0
acetamiprid	whole	0.01	not set	3652	–	0
aldicarb	whole	0.01	not set	3652	–	0
amitraz	whole	0.01	not set	3652	–	0
azamethiphos	whole	0.01	0.1	3652	0	0
azinphos-methyl	whole	0.01	not set	3652	–	0
bifenazate	whole	0.01	not set	3652	–	0
bifenthrin	whole	0.01	0.02	3652	0	0
bioresmethrin	whole	0.01	not set	3652	–	0
buprofezin	whole	0.01	not set	3652	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	3652	–	0
carbaryl	whole	0.01	5	3652	0	0
carbofuran	whole	0.01	0.2	3652	0	0
chlorantraniliprole	whole	0.01	0.01	3652	0	0
chlorfenapyr	whole	0.01	not set	3652	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	3652	0	0
chlorpyrifos	whole	0.01	0.1	3652	0	0
chlorpyrifos-methyl	whole	0.01	10	3652	0	0
clofentezine	whole	0.01	not set	3652	–	0
clothianidin	whole	0.01	not set	3652	–	0
cyfluthrin (sum of isomers)	whole	0.01	2	3652	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.05	3652	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	3652	0	0
deltamethrin	whole	0.01	2	3652	1	0
diafenthion	whole	0.01	not set	3652	–	0
diazinon	whole	0.01	0.1	3652	0	0
dichlorvos	whole	0.01	0.01	3652	0	2
dicofol	whole	0.01	not set	3652	–	0
diflubenzuron	whole	0.01	not set	3652	–	0
dimethoate	whole	0.01	0.05	3652	0	0
disulfoton	whole	0.01	not set	3652	–	0
emamectin	whole	0.01	not set	3652	–	0
esfenvalerate	whole	0.01	2	3652	0	0
ethion	whole	0.01	not set	3652	–	0
ethoprophos	whole	0.005	0.005	3652	0	0
etoxazole	whole	0.01	not set	3652	–	0
fenamiphos	whole	0.01	not set	3652	–	0
fenbutatin oxide	whole	0.01	not set	3652	–	0
fenitrothion	whole	0.01	10	3652	0	0
fenoxycarb	whole	0.01	not set	3652	–	0
fenpyroximate	whole	0.01	not set	3652	–	0
fenthion	whole	0.01	not set	3652	–	0
fenvalerate (sum of isomers)	whole	0.01	2	3652	0	0
fipronil	whole	0.002	not set	3652	–	0
hexythiazox	whole	0.01	not set	3652	–	0
imidacloprid	whole	0.01	0.05	3652	2	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	not set	3652	–	0
malathion (maldison)	whole	0.01	8	3652	0	0
methacrifos	whole	0.01	not set	3652	–	0
methamidophos	whole	0.01	not set	3652	–	0
methidathion	whole	0.01	0.01	3652	0	0
methiocarb	whole	0.01	not set	3652	–	0
methomyl	whole	0.01	0.1	3652	0	0
methoprene	whole	0.01	2	3652	0	0
methoxychlor	whole	0.01	not set	3652	–	0
methoxyfenozide	whole	0.01	not set	3652	–	0
mevinphos	whole	0.01	not set	3652	–	0
monocrotophos	whole	0.01	not set	3652	–	0
omethoate	whole	0.01	0.05	3652	0	0
parathion	whole	0.01	not set	3652	–	0
parathion-methyl	whole	0.01	not set	3652	–	0
permethrin (sum of isomers)	whole	0.01	2	3652	0	0
phenothrin (sum of isomers)	whole	0.01	2	3652	0	0
phorate	whole	0.01	not set	3652	–	0
phosmet	whole	0.01	0.05	3652	0	0
piperonyl butoxide	whole	0.01	20	3652	0	0
pirimicarb	whole	0.01	0.02	3652	0	0
pirimiphos-methyl	whole	0.01	10	3652	0	0
profenofos	whole	0.01	not set	3652	–	0
propargite	whole	0.01	not set	3652	–	0
prothiofos	whole	0.01	not set	3652	–	0
pymetrozine	whole	0.01	not set	3652	–	0
pyrethrins	whole	0.01	3	3652	0	0
pyriproxyfen	whole	0.01	not set	3652	–	0
spinetoram	whole	0.01	not set	3652	–	0
spinosad	whole	0.01	1	3652	2	0
spirotetramat	whole	0.01	not set	3652	–	0
sulfoxaflor	whole	0.01	0.01	3652	0	0
tau-fluvalinate	whole	0.01	not set	3652	–	0
tebufenozide	whole	0.01	not set	3652	–	0
tebufenpyrad	whole	0.01	not set	3652	–	0
terbufos	whole	0.01	0.01	3652	0	0
tetradifon	whole	0.01	not set	3652	–	0
thiacloprid	whole	0.01	not set	3652	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	0.01	3652	0	0
thiodicarb	whole	0.01	not set	3652	–	0
triazofos	whole	0.01	not set	3652	–	0
trichlorfon	whole	0.01	0.1	3652	0	0
triflumuron	whole	0.01	0.05	3652	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	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

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	whole	0.005	0.1	265	0	0