



Wheat residue testing annual datasets 2018–19

National Residue Survey, Department of Agriculture

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	2044	0	0
benalaxyl	whole	0.01	not set	2044	–	0
bitertanol	whole	0.01	not set	2044	–	0
bixafen-P	whole	0.01	0.01	1133	0	0
boscalid	whole	0.01	0.5	2044	0	0
bupirimate	whole	0.01	not set	2044	–	0
captafol	whole	0.02	not set	2044	–	0
captan	whole	0.01	not set	2044	–	0
carbendazim	whole	0.01	not set	2044	–	0
carboxin	whole	0.01	0.1	1133	0	0
chlorothalonil	whole	0.01	not set	2044	–	0
cyproconazole	whole	0.01	0.02	2044	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyprodinil	whole	0.01	not set	2044	–	0
difenoconazole	whole	0.01	0.01	2044	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	2044	–	0
dithianon	whole	0.01	not set	2044	–	0
dodine	whole	0.01	not set	2044	–	0
epoxiconazole	whole	0.01	0.05	2044	0	0
etridiazole	whole	0.01	not set	2044	–	0
fenarimol	whole	0.01	not set	2044	–	0
fenbuconazole	whole	0.01	0.01	1133	0	0
fenhexamid	whole	0.01	not set	2044	–	0
fluazinam	whole	0.01	not set	2044	–	0
fludioxonil	whole	0.01	not set	2044	–	0
fluquinconazole	whole	0.01	0.02	2044	0	0
flusilazole	whole	0.01	not set	2044	–	0
flutriafol	whole	0.01	0.1	2044	2	1
fluxapyroxad	whole	0.01	0.1	2044	0	0
hexaconazole	whole	0.01	not set	2044	–	0
imazalil	whole	0.01	not set	2044	–	0
ipconazole	whole	0.01	0.01	2044	0	0
iprodione	whole	0.01	not set	2044	–	1
isoprothiolane	whole	0.01	not set	1133	–	0
kresoxim-methyl	whole	0.01	not set	2044	–	0
metalaxyl	whole	0.01	0.01	2044	0	0
myclobutanil	whole	0.01	not set	2044	–	0
oxadixyl	whole	0.01	not set	2044	–	0
penconazole	whole	0.01	not set	2044	–	0
penflufen	whole	0.01	0.01	1133	0	0
prochloraz	whole	0.01	not set	2044	–	0
procymidone	whole	0.01	not set	2044	–	0
propiconazole	whole	0.01	0.05	2044	0	0
prothioconazole	whole	0.01	0.3	2044	0	0
pyraclostrobin	whole	0.01	0.01	2044	0	0
pyrimethanil	whole	0.01	not set	2044	–	0
quinoxifen	whole	0.01	not set	2044	–	0
sedaxane	whole	0.01	0.01	1133	0	0
spiroxamine-P	whole	0.01	not set	2044	–	0
tebuconazole	whole	0.01	0.2	2044	0	0
thiabendazole-P	whole	0.01	not set	2044	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tolclofos methyl	whole	0.01	not set	2044	–	0
triadimefon	whole	0.01	0.5	2044	0	0
triadimenol	whole	0.01	0.01	2044	0	0
trifloxystrobin	whole	0.01	not set	2044	–	0
triticonazole	whole	0.01	0.05	2044	0	0
vinclozolin	whole	0.01	not set	2044	–	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	2044	0	0
2,4-D	whole	0.01	0.2	2044	0	0
2,4-DB	whole	0.01	0.02	1133	0	0
aminopyralid	whole	0.01	0.1	1133	0	0
amitrole	whole	0.01	0.01	269	0	0
atrazine	whole	0.01	not set	2044	–	0
bentazone	whole	0.01	not set	1133	–	0
bromacil	whole	0.01	not set	2044	–	0
bromoxynil	whole	0.01	0.2	2044	0	0
butoxydim	whole	0.01	not set	1133	–	0
carfentrazone-ethyl	whole	0.01	0.05	2044	0	0
chlormequat	whole	0.01	not set	1	–	0
chlorpropham	whole	0.01	not set	2044	–	0
chlorsulfuron	whole	0.01	0.05	2044	0	0
chlorthal-dimethyl	whole	0.01	not set	2044	–	0
clethodim (parent only)	whole	0.01	0.1	2044	0	0
clodinafop-propargyl	whole	0.01	0.05	2044	0	0
clopyralid	whole	0.01	2	2044	0	0
cyanazine	whole	0.01	0.01	2044	0	0
dicamba	whole	0.01	0.05	2044	0	0
dichlobenil	whole	0.01	not set	2044	–	0
dichlorprop-P	whole	0.02	not set	1441	–	0
diclofop-methyl	whole	0.01	0.1	269	0	0
diflufenican	whole	0.01	0.02	2044	0	0
diquat	whole	0.01	2	269	0	0
diuron	whole	0.01	0.1	2044	0	0
ethofumesate	whole	0.01	not set	2044	–	0
fenoxaprop-ethyl	whole	0.01	0.01	273	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
flamprop-M-methyl	whole	0.01	0.05	269	0	0
fluazifop-p-butyl	whole	0.01	not set	269	–	0
flumetsulam	whole	0.01	0.05	2044	0	0
flumioxazin	whole	0.01	0.05	1133	0	0
fluroxypyr	whole	0.01	0.2	1133	0	0
glufosinate	whole	0.01	not set	269	–	0
glyphosate	whole	0.01	5	269	0	0
haloxyfop	whole	0.01	not set	269	–	0
imazamox	whole	0.01	0.05	2044	0	0
imazapic	whole	0.01	0.05	2044	0	0
imazapyr	whole	0.01	0.05	2044	0	0
imazaquin	whole	0.01	not set	2044	–	0
imazethapyr	whole	0.01	not set	2044	–	0
iodosulfuron-methyl	whole	0.01	0.01	2044	0	0
ioxynil	whole	0.01	not set	2044	–	0
isoxaben	whole	0.01	0.01	2044	0	0
linuron	whole	0.01	0.05	2044	0	0
MCPA	whole	0.01	0.02	2044	0	0
methabenzthiazuron	whole	0.01	not set	2044	–	0
metolachlor	whole	0.01	0.02	2044	0	0
metosulam	whole	0.01	0.02	2044	0	0
metribuzin	whole	0.01	0.05	2044	0	0
metsulfuron-methyl	whole	0.01	0.02	2044	0	0
napropamide	whole	0.01	not set	2044	–	0
norflurazon	whole	0.01	not set	2044	–	0
oryzalin	whole	0.01	0.01	2044	0	0
oxyfluorfen	whole	0.01	0.05	2044	0	0
paraquat	whole	0.01	0.05	269	0	0
pendimethalin	whole	0.01	0.05	2044	0	0
picloram	whole	0.01	0.2	2044	0	0
propachlor	whole	0.01	0.05	2044	0	0
propaquizafop	whole	0.02	not set	71	–	0
propyzamide	whole	0.01	not set	2044	–	0
quizalofop-ethyl	whole	0.01	not set	269	–	0
quizalofop-P-tefuryl	whole	0.01	not set	269	–	0
saflufenacil	whole	0.01	0.2	2044	0	0
sethoxydim	whole	0.01	0.1	2044	0	0
simazine	whole	0.01	not set	2044	–	0
terbutryn	whole	0.01	0.1	1133	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tralkoxydim	whole	0.01	0.02	2044	0	0
triallate	whole	0.01	0.05	1133	0	0
triasulfuron	whole	0.01	0.02	2044	0	0
triclopyr	whole	0.01	not set	2044	–	0
trifluralin	whole	0.01	0.05	2044	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	2044	–	0
acephate	whole	0.01	not set	2044	–	0
acetamiprid-P	whole	0.01	not set	2044	–	0
aldicarb	whole	0.01	not set	2044	–	0
amitraz	whole	0.01	not set	2044	–	0
azamethiphos	whole	0.01	0.1	2044	0	0
azinphos-methyl	whole	0.01	not set	2044	–	0
bifenazate	whole	0.01	not set	2044	–	0
bifenthrin	whole	0.01	0.02	2044	0	1
bioresmethrin	whole	0.01	not set	2044	–	0
buprofezin	whole	0.01	not set	2044	–	0
cadusafos	whole	0.01	not set	2044	–	0
carbaryl	whole	0.01	5	2044	0	0
carbofuran	whole	0.01	0.2	2044	0	0
chlorantraniliprole	whole	0.01	0.01	2044	0	0
chlorfenapyr	whole	0.01	not set	2044	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	2044	0	0
chlorpyrifos	whole	0.01	0.1	2044	0	0
chlorpyrifos-methyl	whole	0.01	10	2044	2	0
clofentezine	whole	0.01	not set	2044	–	0
clothianidin	whole	0.01	0.02	2044	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	2044	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.05	2044	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	2044	0	0
deltamethrin	whole	0.01	2	2044	0	0
diafenthiuron	whole	0.01	not set	2044	–	0
diazinon	whole	0.01	0.1	2044	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dichlorvos	whole	0.01	0.01	2044	0	0
dicofol	whole	0.01	not set	2044	–	0
diflubenzuron	whole	0.01	not set	2044	–	0
dimethoate	whole	0.01	0.05	2044	0	0
disulfoton	whole	0.01	not set	2044	–	0
emamectin	whole	0.01	not set	2044	–	0
esfenvalerate	whole	0.01	2	2044	0	0
ethion	whole	0.01	not set	2044	–	0
ethoprophos	whole	0.005	0.005	2044	0	0
etoxazole	whole	0.01	not set	2044	–	0
fenamiphos	whole	0.01	not set	2044	–	0
fenbutatin oxide	whole	0.01	not set	2044	–	0
fenitrothion	whole	0.01	10	2044	0	0
fenoxycarb	whole	0.01	not set	2044	–	0
fenpyroximate	whole	0.01	not set	2044	–	0
fenthion	whole	0.01	not set	2044	–	0
Fenvalerate (sum of isomers)	whole	0.01	2	2044	0	0
fipronil	whole	0.002	not set	2044	–	0
hexythiazox	whole	0.01	not set	2044	–	0
imidacloprid	whole	0.01	0.05	2044	1	1
indoxacarb	whole	0.01	not set	2044	–	0
malathion (maldison)	whole	0.01	8	2044	0	0
methacrifos	whole	0.01	not set	2044	–	0
methamidophos	whole	0.01	not set	2044	–	0
methidathion	whole	0.01	0.01	2044	0	0
methiocarb	whole	0.01	not set	2044	–	0
methomyl	whole	0.01	0.1	2044	0	0
methoprene	whole	0.01	2	2044	2	0
methoxychlor	whole	0.01	not set	2044	–	0
methoxyfenozide	whole	0.01	not set	2044	–	0
mevinphos	whole	0.01	not set	2044	–	0
monocrotophos	whole	0.01	not set	2044	–	0
omethoate	whole	0.01	0.05	2044	0	0
parathion	whole	0.01	not set	2044	–	0
parathion-methyl	whole	0.01	not set	2044	–	0
permethrin (sum of isomers)	whole	0.01	2	2044	0	0
phenothrin (sum of isomers)	whole	0.01	2	2044	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phorate	whole	0.01	not set	2044	–	0
phosmet	whole	0.01	0.05	2044	0	0
piperonyl butoxide	whole	0.01	20	2044	0	0
pirimicarb	whole	0.01	0.02	2044	0	0
pirimiphos-methyl	whole	0.01	10	2044	0	0
profenofos	whole	0.01	not set	2044	–	0
propargite	whole	0.01	not set	2044	–	0
prothiofos	whole	0.01	not set	2044	–	0
pymetrozine	whole	0.01	not set	2044	–	0
pyrethrins	whole	0.01	3	2044	0	0
pyriproxyfen	whole	0.01	not set	2044	–	0
spinetoram	whole	0.01	not set	2044	–	0
spinosad	whole	0.01	1	2044	1	0
spirotetramat	whole	0.01	not set	2044	–	0
sulfoxaflor	whole	0.01	0.01	2044	0	0
tau-fluvalinate	whole	0.01	not set	2044	–	0
tebufenozide	whole	0.01	not set	2044	–	0
tebufenpyrad	whole	0.01	not set	2044	–	0
terbufos	whole	0.01	0.01	2044	0	0
tetradifon	whole	0.01	not set	2044	–	0
thiacloprid	whole	0.01	not set	2044	–	0
thiamethoxam	whole	0.01	0.01	2044	0	0
thiodicarb	whole	0.01	not set	2044	–	0
triazofos	whole	0.01	not set	2044	–	0
trichlorfon	whole	0.01	0.1	2044	0	0
triflumuron	whole	0.01	0.05	2044	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	2044	0	0
chlordane	whole	0.01	0.02	2044	0	0
DDT	whole	0.01	0.1	2044	0	0
endosulfan	whole	0.01	not set	2044	–	0
endrin	whole	0.01	not set	2044	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	2044	0	0
HCH (BHC)	whole	0.01	0.1	2044	0	0
heptachlor	whole	0.01	0.02	2044	0	0

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lindane (gamma-HCH)	whole	0.01	0.5	2044	0	0
mirex	whole	0.01	not set	2044	–	0