



Wheat (flour) 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	0.02	112	0	0
benalaxyl	whole	0.01	not set	112	–	0
bitertanol	whole	0.01	not set	112	–	0
boscalid	whole	0.01	0.5	112	0	0
bupirimate	whole	0.01	not set	112	–	0
captafol	whole	0.02	not set	112	–	0
captan	whole	0.01	not set	112	–	0
carbendazim	whole	0.01	not set	112	–	0
chlorothalonil	whole	0.01	not set	112	–	0
cyproconazole	whole	0.01	0.02	112	0	0
cyprodinil	whole	0.01	not set	112	–	0
difenoconazole	whole	0.01	0.01	112	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	112	–	0
dithianon	whole	0.01	not set	112	–	0
dodine	whole	0.01	not set	112	–	0
epoxiconazole	whole	0.01	0.05	112	0	0
etridiazole	whole	0.01	not set	112	–	0
fenarimol	whole	0.01	not set	112	–	0
fenhexamid	whole	0.01	not set	112	–	0
fluazinam	whole	0.01	not set	112	–	0
fludioxonil	whole	0.01	not set	112	–	0
fluquinconazole	whole	0.01	0.02	112	0	0
flusilazole	whole	0.01	not set	112	–	0
flutriafol	whole	0.01	0.02	112	0	0
fluxapyroxad	whole	0.01	0.01	112	0	0
hexaconazole	whole	0.01	not set	112	–	0
imazalil	whole	0.01	not set	112	–	0
ipconazole	whole	0.01	0.01	112	0	0
iprodione	whole	0.01	not set	112	–	0
kresoxim-methyl	whole	0.01	not set	112	–	0
metalaxyl	whole	0.01	0.01	112	0	0
myclobutanil	whole	0.01	not set	112	–	0
oxadixyl	whole	0.01	not set	112	–	0
penconazole	whole	0.01	not set	112	–	0
prochloraz	whole	0.01	not set	112	–	0
procymidone	whole	0.01	not set	112	–	0
propiconazole	whole	0.01	0.05	112	0	0
prothioconazole	whole	0.01	0.3	112	0	0
pyraclostrobin	whole	0.01	0.01	112	0	0
pyrimethanil	whole	0.01	not set	112	–	0
quinoxyfen	whole	0.01	not set	112	–	0
spiroxamine-P	whole	0.01	not set	112	–	0
tebuconazole	whole	0.01	0.2	112	0	0
thiabendazole	whole	0.01	not set	112	–	0
tolclofos methyl	whole	0.01	not set	112	–	0
triadimefon	whole	0.01	0.5	112	0	0
triadimenol	whole	0.01	0.01	112	0	0
trifloxystrobin	whole	0.01	not set	112	–	0
triticonazole	whole	0.01	0.05	112	0	0
vinclozolin	whole	0.01	not set	112	–	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	112	0	0
2,4-D	whole	0.01	0.2	112	0	0
amitrole	whole	0.01	0.01	16	0	0
atrazine	whole	0.01	not set	112	–	0
bromacil	whole	0.01	not set	112	–	0
bromoxynil	whole	0.01	0.2	112	0	0
carfentrazone-ethyl	whole	0.01	0.05	112	0	0
chlorpropham	whole	0.01	not set	112	–	0
chlorsulfuron	whole	0.01	0.05	112	0	0
chlorthal-dimethyl	whole	0.01	not set	112	–	0
clethodim (parent only)	whole	0.01	0.1	112	0	0
clodinafop-propargyl	whole	0.01	0.05	112	0	0
clopyralid	whole	0.01	2	112	0	0
cyanazine	whole	0.01	0.01	112	0	0
dicamba	whole	0.01	0.05	112	0	0
dichlobenil	whole	0.01	not set	112	–	0
dichlorprop-P	whole	0.01	not set	112	–	0
diclofop-methyl	whole	0.01	0.1	16	0	0
diflufenican	whole	0.01	0.02	112	0	0
diquat	whole	0.01	2	16	0	0
diuron	whole	0.01	0.1	112	0	0
ethofumesate	whole	0.01	not set	112	–	0
fenoxaprop-ethyl	whole	0.01	0.01	16	0	0
flamprop-M-methyl	whole	0.01	0.05	16	0	0
fluazifop-p-butyl	whole	0.01	not set	16	–	0
flumetsulam	whole	0.01	0.05	112	0	0
glufosinate	whole	0.01	not set	16	–	0
glyphosate	whole	0.01	5	16	0	0
haloxyfop	whole	0.01	not set	16	–	0
imazamox	whole	0.01	not set	112	–	0
imazapic	whole	0.01	0.05	112	0	0
imazapyr	whole	0.01	0.05	112	0	0
imazaquin	whole	0.01	not set	112	–	0
imazethapyr	whole	0.01	not set	112	–	0
iodosulfuron-methyl	whole	0.01	0.01	112	0	0
ioxynil	whole	0.01	not set	112	–	0
isoxaben	whole	0.01	0.01	112	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
linuron	whole	0.01	0.05	112	0	0
MCPA	whole	0.01	0.02	112	0	0
methabenzthiazuron	whole	0.01	not set	112	–	0
metolachlor	whole	0.01	0.02	112	0	0
metosulam	whole	0.01	0.02	112	0	0
metribuzin	whole	0.01	0.05	112	0	0
metsulfuron-methyl	whole	0.01	0.02	112	0	0
napropamide	whole	0.01	not set	112	–	0
norflurazon	whole	0.01	not set	112	–	0
oryzalin	whole	0.01	0.01	112	0	0
oxyfluorfen	whole	0.01	0.05	112	0	0
paraquat	whole	0.01	0.05	16	0	0
pendimethalin	whole	0.01	0.05	112	0	0
picloram	whole	0.01	0.2	112	0	0
propachlor	whole	0.01	0.05	112	0	0
propyzamide	whole	0.01	not set	112	–	0
quizalofop-ethyl	whole	0.01	not set	16	–	0
quizalofop-P-tefuryl	whole	0.01	not set	16	–	0
saflufenacil	whole	0.01	0.03	112	0	0
sethoxydim	whole	0.01	0.1	112	0	0
simazine	whole	0.01	not set	112	–	0
tralkoxydim	whole	0.01	0.02	112	0	0
triasulfuron	whole	0.01	0.02	112	0	0
triclopyr	whole	0.01	not set	112	–	0
trifluralin	whole	0.01	0.05	112	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	112	–	0
acephate	whole	0.01	not set	112	–	0
acetamiprid	whole	0.01	not set	112	–	0
aldicarb	whole	0.01	not set	112	–	0
amitraz	whole	0.01	not set	112	–	0
azamethiphos	whole	0.01	0.1	112	0	0
azinphos-methyl	whole	0.01	not set	112	–	0
bifenazate	whole	0.01	not set	112	–	0
bifenthrin	whole	0.01	0.02	112	0	0
bioresmethrin	whole	0.01	not set	112	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
buprofezin	whole	0.01	not set	112	–	0
cadusafos	whole	0.01	not set	112	–	0
carbaryl	whole	0.01	5	112	0	0
carbofuran	whole	0.01	0.2	112	0	0
chlorantraniliprole	whole	0.01	0.01	112	0	0
chlorfenapyr	whole	0.01	not set	112	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	112	0	0
chlorpyrifos	whole	0.01	0.1	112	0	0
chlorpyrifos-methyl	whole	0.01	10	112	0	0
clofentezine	whole	0.01	not set	112	–	0
clothianidin	whole	0.01	not set	112	–	0
cyfluthrin (sum of isomers)	whole	0.01	2	112	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.05	112	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	112	0	0
deltamethrin	whole	0.01	2	112	0	0
diafenthiuron	whole	0.01	not set	112	–	0
diazinon	whole	0.01	0.1	112	0	0
dichlorvos	whole	0.01	0.01	112	0	0
dicofol	whole	0.01	not set	112	–	0
diflubenzuron	whole	0.01	not set	112	–	0
dimethoate	whole	0.01	0.05	112	0	0
disulfoton	whole	0.01	not set	112	–	0
emamectin	whole	0.01	not set	112	–	0
esfenvalerate	whole	0.01	2	112	0	0
ethion	whole	0.01	not set	112	–	0
ethoprophos	whole	0.005	0.005	112	0	0
etoxazole	whole	0.01	not set	112	–	0
fenamiphos	whole	0.01	not set	112	–	0
fenbutatin oxide	whole	0.01	not set	112	–	0
fenitrothion	whole	0.01	10	112	0	0
fenoxycarb	whole	0.01	not set	112	–	0
fenpyroximate	whole	0.01	not set	112	–	0
fenthion	whole	0.01	not set	112	–	0
fenvalerate (sum of isomers)	whole	0.01	2	112	0	0
fipronil	whole	0.002	not set	112	–	0
hexythiazox	whole	0.01	not set	112	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
imidacloprid	whole	0.01	0.05	112	0	0
indoxacarb	whole	0.01	not set	112	–	0
malathion (maldison)	whole	0.01	8	112	0	0
methacrifos	whole	0.01	not set	112	–	0
methamidophos	whole	0.01	not set	112	–	0
methidathion	whole	0.01	0.01	112	0	0
methiocarb	whole	0.01	not set	112	–	0
methomyl	whole	0.01	0.1	112	0	0
methoprene	whole	0.01	2	112	0	0
methoxychlor	whole	0.01	not set	112	–	0
methoxyfenozide	whole	0.01	not set	112	–	0
mevinphos	whole	0.01	not set	112	–	0
monocrotophos	whole	0.01	not set	112	–	0
omethoate	whole	0.01	0.05	112	0	0
parathion	whole	0.01	not set	112	–	0
parathion-methyl	whole	0.01	not set	112	–	0
permethrin (sum of isomers)	whole	0.01	2	112	0	0
phenothrin (sum of isomers)	whole	0.01	2	112	0	0
phorate	whole	0.01	not set	112	–	0
phosmet	whole	0.01	0.05	112	0	0
piperonyl butoxide	whole	0.01	20	112	0	0
pirimicarb	whole	0.01	0.02	112	0	0
pirimiphos-methyl	whole	0.01	10	112	0	0
profenofos	whole	0.01	not set	112	–	0
propargite	whole	0.01	not set	112	–	0
prothiofos	whole	0.01	not set	112	–	0
pymetrozine	whole	0.01	not set	112	–	0
pyrethrins	whole	0.01	3	112	0	0
pyriproxyfen	whole	0.01	not set	112	–	0
spinetoram	whole	0.01	not set	112	–	0
spinosad	whole	0.01	1	112	0	0
spirotetramat	whole	0.01	not set	112	–	0
sulfoxaflor	whole	0.01	0.01	112	0	0
tau-fluvalinate	whole	0.01	not set	112	–	0
tebufenozide	whole	0.01	not set	112	–	0
tebufenpyrad	whole	0.01	not set	112	–	0
terbufos	whole	0.01	0.01	112	0	0
tetradifon	whole	0.01	not set	112	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiacloprid	whole	0.01	not set	112	–	0
thiamethoxam	whole	0.01	0.01	112	0	0
thiodicarb	whole	0.01	not set	112	–	0
triazofos	whole	0.01	not set	112	–	0
trichlorfon	whole	0.01	0.1	112	0	0
triflumuron	whole	0.01	0.05	112	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	112	0	0
chlordane	whole	0.01	0.02	112	0	0
DDT	whole	0.01	0.1	112	0	0
endosulfan	whole	0.01	not set	112	–	0
endrin	whole	0.01	not set	112	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	112	0	0
HCH (BHC)	whole	0.01	0.1	112	0	0
heptachlor	whole	0.01	0.02	112	0	0
lindane (gamma-HCH)	whole	0.01	0.5	112	0	0
mirex	whole	0.01	not set	112	–	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	9	0	0