



Wheat (flour) residue testing annual datasets 2015–16

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	134	0	0
benalaxyl	whole	0.01	not set	134	–	0
bitertanol	whole	0.01	not set	134	–	0
boscalid	whole	0.01	0.5	134	0	0
bupirimate	whole	0.01	not set	134	–	0
captafol	whole	0.02	not set	134	–	0
captan	whole	0.02	not set	134	–	0
carbendazim	whole	0.01	not set	134	–	0
chlorothalonil	whole	0.01	not set	134	–	0
cyproconazole	whole	0.01	0.02	134	0	0
cyprodinil	whole	0.01	not set	134	–	0
difenoconazole	whole	0.01	0.01	134	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	134	–	0
dithianon	whole	0.01	not set	134	–	0
dodine	whole	0.01	not set	134	–	0
epoxiconazole	whole	0.01	0.05	134	0	0
etridiazole	whole	0.01	not set	134	–	0
fenarimol	whole	0.01	not set	134	–	0
fenhexamid	whole	0.01	not set	134	–	0
fluazinam	whole	0.01	not set	134	–	0
fludioxonil	whole	0.01	not set	134	–	0
fluquinconazole	whole	0.01	0.02	134	0	0
flusilazole	whole	0.01	not set	134	–	0
flutriafol	whole	0.01	0.02	134	0	0
fluxapyroxad	whole	0.01	0.01	134	0	0
hexaconazole	whole	0.01	not set	134	–	0
imazalil	whole	0.01	not set	134	–	0
ipconazole	whole	0.01	0.01	134	0	0
iprodione	whole	0.01	not set	134	–	0
kresoxim–methyl	whole	0.01	not set	134	–	0
metalaxyl	whole	0.01	0.01	134	0	0
myclobutanil	whole	0.01	not set	134	–	0
oxadixyl	whole	0.01	not set	134	–	0
penconazole	whole	0.01	not set	134	–	0
prochloraz	whole	0.01	not set	134	–	0
procymidone	whole	0.01	not set	134	–	0
propiconazole	whole	0.01	0.05	134	0	0
prothioconazole	whole	0.01	0.3	134	0	0
pyraclostrobin	whole	0.01	0.01	134	0	0
pyrimethanil	whole	0.01	not set	134	–	0
quinoxifen	whole	0.01	not set	11	–	0
spiroxamine	whole	0.01	not set	134	–	0
tebuconazole	whole	0.01	0.2	134	0	0
thiabendazole	whole	0.01	not set	134	–	0
tolclofos methyl	whole	0.01	not set	134	–	0
triadimefon	whole	0.01	0.5	134	0	0
triadimenol	whole	0.01	0.01	134	0	0
trifloxystrobin	whole	0.01	not set	134	–	0
triticonazole	whole	0.01	0.05	134	0	0
vinclozolin	whole	0.01	not set	134	–	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2,2-DPA (2,2-dichloropropionic acid)	whole	0.01	0.1	134	0	0
2,4-D	whole	0.01	0.2	134	0	0
amitrole	whole	0.01	0.01	26	0	0
atrazine	whole	0.01	not set	134	–	0
bromacil	whole	0.01	not set	134	–	0
bromoxynil	whole	0.01	0.2	134	0	0
carfentrazone-ethyl	whole	0.01	0.05	134	0	0
chlorpropham	whole	0.01	not set	134	–	0
chlorsulfuron	whole	0.01	0.05	134	0	0
chlorthal-dimethyl	whole	0.01	not set	134	–	0
clethodim (parent only)	whole	0.01	0.1	134	0	0
clodinafop-propargyl	whole	0.01	0.05	134	0	0
clopyralid	whole	0.01	2	134	0	0
cyanazine	whole	0.01	0.01	134	0	0
dicamba	whole	0.01	0.05	134	0	0
dichlobenil	whole	0.01	not set	134	–	0
dichlorprop-P	whole	0.01	not set	134	–	0
diclofop-methyl	whole	0.01	0.1	26	0	0
diflufenican	whole	0.01	0.02	134	0	0
diquat	whole	0.01	2	26	0	0
diuron	whole	0.01	0.1	134	0	0
ethofumesate	whole	0.01	not set	134	–	0
fenoxaprop-ethyl	whole	0.01	0.01	26	0	0
flamprop-M-methyl	whole	0.01	0.05	26	0	0
fluazifop-p-butyl	whole	0.01	not set	26	–	0
flumetsulam	whole	0.01	0.05	134	0	0
glufosinate	whole	0.01	not set	26	–	0
glyphosate	whole	0.01	5	26	0	0
haloxyfop	whole	0.01	not set	26	–	0
imazamox	whole	0.01	not set	134	–	0
imazapic	whole	0.01	0.05	134	0	0
imazapyr	whole	0.01	0.05	134	0	0
imazaquin	whole	0.01	not set	134	–	0
imazethapyr	whole	0.01	not set	134	–	0
iodosulfuron-methyl	whole	0.01	0.01	134	0	0
ioxynil	whole	0.01	not set	134	–	0
isoxaben	whole	0.01	0.01	134	0	0
linuron	whole	0.01	0.05	134	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	134	0	0
methabenthiazuron	whole	0.01	not set	134	–	0
metolachlor	whole	0.01	0.02	134	0	0
metosulam	whole	0.01	0.02	134	0	0
metribuzin	whole	0.01	0.05	134	0	0
metsulfuron–methyl	whole	0.01	0.02	134	0	0
napropamide	whole	0.01	not set	134	–	0
norflurazon	whole	0.01	not set	134	–	0
oryzalin	whole	0.01	0.01	134	0	0
oxyfluorfen	whole	0.01	0.05	134	0	0
paraquat	whole	0.01	0.05	26	0	0
pendimethalin	whole	0.01	0.05	134	0	0
picloram	whole	0.01	0.2	134	0	0
propachlor	whole	0.01	0.05	134	0	0
propyzamide	whole	0.01	not set	73	–	0
quizalofop–ethyl	whole	0.01	not set	26	–	0
quizalofop–P–tefuryl	whole	0.01	not set	26	–	0
saflufenacil	whole	0.01	0.03	73	0	0
sethoxydim	whole	0.01	0.1	134	0	0
simazine	whole	0.01	not set	134	–	0
tralkoxydim	whole	0.01	0.02	134	0	0
triasulfuron	whole	0.01	0.02	134	0	0
triclopyr	whole	0.01	not set	134	–	0
trifluralin	whole	0.01	0.05	134	0	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
abamectin	whole	0.01	not set	134	–	0
acephate	whole	0.01	not set	134	–	0
acetamiprid	whole	0.01	not set	134	–	0
aldicarb	whole	0.01	not set	134	–	0
amitraz	whole	0.01	not set	134	–	0
azamethiphos	whole	0.01	0.1	134	0	0
azinphos–methyl	whole	0.01	not set	134	–	0
bifenazate	whole	0.01	not set	134	–	0
bifenthrin	whole	0.01	0.02	134	0	0
bioresmethrin	whole	0.01	not set	134	–	0
buprofezin	whole	0.01	not set	134	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	134	–	0
carbaryl	whole	0.01	5	134	0	0
carbofuran	whole	0.01	0.2	134	0	0
chlorantraniliprole	whole	0.01	0.01	134	0	0
chlorfenapyr	whole	0.01	not set	134	–	0
chlorfenvinphos	whole	0.01	0.05	134	0	0
chlorpyrifos	whole	0.01	0.1	134	0	0
chlorpyrifos–methyl	whole	0.01	10	134	0	0
clofentezine	whole	0.01	not set	134	–	0
clothianidin	whole	0.01	not set	134	–	0
cyfluthrin	whole	0.01	2	134	0	0
cyhalothrin	whole	0.01	0.05	134	0	0
cypermethrin	whole	0.01	0.2	134	0	0
deltamethrin	whole	0.01	2	134	0	0
diafenthiuron	whole	0.01	not set	134	–	0
diazinon	whole	0.01	0.1	134	0	0
dichlorvos	whole	0.01	0.01	134	0	0
dicofol	whole	0.01	not set	134	–	0
diflubenzuron	whole	0.01	2	134	0	0
dimethoate	whole	0.01	0.05	134	0	0
disulfoton	whole	0.01	not set	134	–	0
emamectin	whole	0.01	not set	134	–	0
endosulfan	whole	0.01	not set	134	–	0
esfenvalerate	whole	0.01	2	134	0	0
ethion	whole	0.01	not set	134	–	0
ethoprophos	whole	0.005	0.005	134	0	0
etoxazole	whole	0.01	not set	134	–	0
fenamiphos	whole	0.01	not set	134	–	0
fenbutatin oxide	whole	0.01	not set	134	–	0
fenitrothion	whole	0.01	10	134	0	0
fenoxycarb	whole	0.01	not set	134	–	0
fenpyroximate	whole	0.01	not set	134	–	0
fenthion	whole	0.01	not set	134	–	0
fenvalerate	whole	0.01	2	134	0	0
fipronil	whole	0.005	not set	134	–	0
hexythiazox	whole	0.01	not set	134	–	0
imidacloprid	whole	0.01	0.05	134	0	0
indoxacarb	whole	0.01	not set	134	–	0
malathion (maldison)	whole	0.01	8	134	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methacrifos	whole	0.01	not set	134	–	0
methamidophos	whole	0.01	not set	134	–	0
methidathion	whole	0.01	0.01	134	0	0
methiocarb	whole	0.01	not set	134	–	0
methomyl	whole	0.01	0.1	134	0	0
methoprene	whole	0.01	2	134	0	0
methoxychlor	whole	0.01	not set	134	–	0
methoxyfenozide	whole	0.01	not set	134	–	0
mevinphos	whole	0.01	not set	134	–	0
monocrotophos	whole	0.01	not set	134	–	0
omethoate	whole	0.01	0.05	134	0	0
parathion	whole	0.01	not set	134	–	0
parathion–methyl	whole	0.01	not set	134	–	0
permethrin	whole	0.01	2	134	0	0
phenothrin	whole	0.01	2	134	0	0
phorate	whole	0.01	not set	134	–	0
phosmet	whole	0.01	0.05	134	0	0
piperonyl butoxide	whole	0.01	20	134	0	0
pirimicarb	whole	0.01	0.02	134	0	0
pirimiphos–methyl	whole	0.01	10	134	0	0
profenofos	whole	0.01	not set	134	–	0
propargite	whole	0.01	not set	134	–	0
prothiofos	whole	0.01	not set	134	–	0
pymetrozine	whole	0.01	not set	134	–	0
pyrethrins	whole	0.01	3	134	0	0
pyriproxyfen	whole	0.01	not set	134	–	0
spinetoram	whole	0.01	not set	134	–	0
spinosad	whole	0.01	1	134	0	0
spirotetramat	whole	0.01	not set	134	–	0
sulfoxaflor	whole	0.01	0.01	134	0	0
tau–fluvalinate	whole	0.01	not set	134	–	0
tebufenozide	whole	0.01	not set	134	–	0
tebufenpyrad	whole	0.01	not set	134	–	0
terbufos	whole	0.01	0.01	134	0	0
tetradifon	whole	0.01	not set	134	–	0
thiacloprid	whole	0.01	not set	134	–	0
thiamethoxam	whole	0.01	0.01	134	0	0
thiodicarb	whole	0.01	not set	134	–	0
triazofos	whole	0.01	not set	134	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.1	134	0	0
triflumuron	whole	0.01	0.05	134	0	0

Table 4 Contaminants

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	134	0	0
chlordane	whole	0.01	0.02	134	0	0
DDT	whole	0.01	0.1	134	0	0
endrin	whole	0.01	not set	134	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	134	0	0
HCH (or BHC)	whole	0.01	0.1	134	0	0
heptachlor	whole	0.01	0.02	134	0	0
lindane (gamma-HCH)	whole	0.01	0.5	134	0	0
mirex	whole	0.01	not set	134	–	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine	whole	0.005	0.1	12	0	0