



Wheat (bran) 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	109	0	0
benalaxyl	whole	0.01	not set	109	–	0
bitertanol	whole	0.01	not set	109	–	0
boscalid	whole	0.01	0.5	109	0	0
bupirimate	whole	0.01	not set	109	–	0
captafol	whole	0.02	not set	109	–	0
captan	whole	0.01	not set	109	–	0
carbendazim	whole	0.01	not set	109	–	0
chlorothalonil	whole	0.01	not set	109	–	0
cyproconazole	whole	0.01	0.02	109	0	0
cyprodinil	whole	0.01	not set	109	–	0
difenoconazole	whole	0.01	0.01	109	0	1

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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	109	–	0
dithianon	whole	0.01	not set	109	–	0
dodine	whole	0.01	not set	109	–	0
epoxiconazole	whole	0.01	0.3	109	0	0
etridiazole	whole	0.01	not set	109	–	0
fenarimol	whole	0.01	not set	109	–	0
fenhexamid	whole	0.01	not set	109	–	0
fluazinam	whole	0.01	not set	109	–	0
fludioxonil	whole	0.01	not set	109	–	0
fluquinconazole	whole	0.01	0.02	109	0	0
flusilazole	whole	0.01	not set	109	–	0
flutriafol	whole	0.01	0.02	109	0	0
fluxapyroxad	whole	0.01	0.01	109	0	0
hexaconazole	whole	0.01	not set	109	–	0
imazalil	whole	0.01	not set	109	–	0
ipconazole	whole	0.01	0.01	109	0	0
iprodione	whole	0.01	not set	109	–	0
kresoxim-methyl	whole	0.01	not set	109	–	0
metalaxyl	whole	0.01	0.01	109	0	0
myclobutanil	whole	0.01	not set	109	–	0
oxadixyl	whole	0.01	not set	109	–	0
penconazole	whole	0.01	not set	109	–	0
prochloraz	whole	0.01	not set	109	–	0
procymidone	whole	0.01	not set	109	–	0
propiconazole	whole	0.01	0.05	109	0	0
prothioconazole	whole	0.01	0.5	109	0	0
pyraclostrobin	whole	0.01	0.01	109	0	0
pyrimethanil	whole	0.01	not set	109	–	0
quinoxifen	whole	0.01	not set	109	–	0
spiroxamine-P	whole	0.01	not set	109	–	0
tebuconazole	whole	0.01	0.2	109	0	0
thiabendazole	whole	0.01	not set	109	–	0
tolclofos methyl	whole	0.01	not set	109	–	0
triadimefon	whole	0.01	0.5	109	0	0
triadimenol	whole	0.01	0.01	109	0	0
trifloxystrobin	whole	0.01	not set	109	–	0
triticonazole	whole	0.01	0.05	109	0	0
vinclozolin	whole	0.01	not set	109	–	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	109	0	0
2,4-D	whole	0.01	0.2	109	0	0
amitrole	whole	0.01	0.01	16	0	0
atrazine	whole	0.01	not set	109	–	0
bromacil	whole	0.01	not set	109	–	0
bromoxynil	whole	0.01	0.2	109	0	0
carfentrazone-ethyl	whole	0.01	0.05	109	0	0
chlorpropham	whole	0.01	not set	109	–	0
chlorsulfuron	whole	0.01	0.05	109	0	0
chlorthal-dimethyl	whole	0.01	not set	109	–	0
clethodim (parent only)	whole	0.01	0.1	109	0	0
clodinafop-propargyl	whole	0.01	0.05	109	0	0
clopyralid	whole	0.01	2	109	0	0
cyanazine	whole	0.01	0.01	109	0	0
dicamba	whole	0.01	0.05	109	0	0
dichlobenil	whole	0.01	not set	109	–	0
dichlorprop-P	whole	0.01	not set	109	–	0
diclofop-methyl	whole	0.01	0.1	16	0	0
diflufenican	whole	0.01	0.02	109	0	0
diquat	whole	0.01	2	16	0	0
diuron	whole	0.01	0.1	109	0	0
ethofumesate	whole	0.01	not set	109	–	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	109	0	0
glufosinate	whole	0.01	not set	16	–	0
glyphosate	whole	0.01	20	16	0	0
haloxyfop	whole	0.01	not set	16	–	0
imazamox	whole	0.01	not set	109	–	0
imazapic	whole	0.01	0.05	109	0	0
imazapyr	whole	0.01	0.05	109	0	0
imazaquin	whole	0.01	not set	109	–	0
imazethapyr	whole	0.01	not set	109	–	0
iodosulfuron-methyl	whole	0.01	0.01	109	0	0
ioxynil	whole	0.01	not set	109	–	0
isoxaben	whole	0.01	0.01	109	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	109	0	0
MCPA	whole	0.01	0.02	109	0	0
methabenzthiazuron	whole	0.01	not set	109	–	0
metolachlor	whole	0.01	0.02	109	0	0
metosulam	whole	0.01	0.02	109	0	0
metribuzin	whole	0.01	0.05	109	0	0
metsulfuron-methyl	whole	0.01	0.02	109	0	0
napropamide	whole	0.01	not set	109	–	0
norflurazon	whole	0.01	not set	109	–	0
oryzalin	whole	0.01	0.01	109	0	0
oxyfluorfen	whole	0.01	0.05	109	0	0
paraquat	whole	0.01	0.05	16	0	0
pendimethalin	whole	0.01	0.05	109	0	0
picloram	whole	0.01	0.2	109	0	0
propachlor	whole	0.01	0.05	109	0	0
propyzamide	whole	0.01	not set	109	–	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	109	0	0
sethoxydim	whole	0.01	0.1	109	0	0
simazine	whole	0.01	not set	109	–	0
tralkoxydim	whole	0.01	0.02	109	0	0
triasulfuron	whole	0.01	0.02	109	0	0
triclopyr	whole	0.01	not set	109	–	0
trifluralin	whole	0.01	0.05	109	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	109	–	0
acephate	whole	0.01	not set	109	–	0
acetamiprid	whole	0.01	not set	109	–	0
aldicarb	whole	0.01	not set	109	–	0
amitraz	whole	0.01	not set	109	–	0
azamethiphos	whole	0.01	0.5	109	0	0
azinphos-methyl	whole	0.01	not set	109	–	0
bifenazate	whole	0.01	not set	109	–	0
bifenthrin	whole	0.01	0.02	109	0	0
bioresmethrin	whole	0.01	not set	109	–	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	109	–	0
cadusafos	whole	0.01	not set	109	–	0
carbaryl	whole	0.01	10	109	0	0
carbofuran	whole	0.01	0.2	109	0	0
chlorantraniliprole	whole	0.01	0.01	109	0	0
chlorfenapyr	whole	0.01	not set	109	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	109	0	0
chlorpyrifos	whole	0.01	0.1	109	0	0
chlorpyrifos-methyl	whole	0.01	20	109	0	0
clofentezine	whole	0.01	not set	109	–	0
clothianidin	whole	0.01	not set	109	–	0
cyfluthrin (sum of isomers)	whole	0.01	5	109	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.05	109	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	109	0	0
deltamethrin	whole	0.01	5	109	0	0
diafenthiuron	whole	0.01	not set	109	–	0
diazinon	whole	0.01	0.1	109	0	0
dichlorvos	whole	0.01	0.01	109	0	0
dicofol	whole	0.01	not set	109	–	0
diflubenzuron	whole	0.01	not set	109	–	0
dimethoate	whole	0.01	1	109	0	0
disulfoton	whole	0.01	not set	109	–	0
emamectin	whole	0.01	not set	109	–	0
esfenvalerate	whole	0.01	5	109	0	0
ethion	whole	0.01	not set	109	–	0
ethoprophos	whole	0.005	0.005	109	0	0
etoxazole	whole	0.01	not set	109	–	0
fenamiphos	whole	0.01	not set	109	–	0
fenbutatin oxide	whole	0.01	not set	109	–	0
fenitrothion	whole	0.01	20	109	0	0
fenoxycarb	whole	0.01	not set	109	–	0
fenpyroximate	whole	0.01	not set	109	–	0
fenthion	whole	0.01	not set	109	–	0
fenvalerate (sum of isomers)	whole	0.01	5	109	0	0
fipronil	whole	0.002	not set	109	–	0
hexythiazox	whole	0.01	not set	109	–	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	109	0	0
indoxacarb	whole	0.01	not set	109	–	0
malathion (maldison)	whole	0.01	20	109	0	0
methacrifos	whole	0.01	not set	109	–	0
methamidophos	whole	0.01	not set	109	–	0
methidathion	whole	0.01	0.01	109	0	0
methiocarb	whole	0.01	not set	109	–	0
methomyl	whole	0.01	0.1	109	0	0
methoprene	whole	0.01	5	109	0	0
methoxychlor	whole	0.01	not set	109	–	0
methoxyfenozide	whole	0.01	not set	109	–	0
mevinphos	whole	0.01	not set	109	–	0
monocrotophos	whole	0.01	not set	109	–	0
omethoate	whole	0.01	0.05	109	0	0
parathion	whole	0.01	not set	109	–	0
parathion-methyl	whole	0.01	not set	109	–	0
permethrin (sum of isomers)	whole	0.01	5	109	0	0
phenothrin (sum of isomers)	whole	0.01	5	109	0	0
phorate	whole	0.01	not set	109	–	0
phosmet	whole	0.01	0.05	109	0	0
piperonyl butoxide	whole	0.01	40	109	0	0
pirimicarb	whole	0.01	0.02	109	0	0
pirimiphos-methyl	whole	0.01	20	109	0	0
profenofos	whole	0.01	not set	109	–	0
propargite	whole	0.01	not set	109	–	0
prothiofos	whole	0.01	not set	109	–	0
pymetrozine	whole	0.01	not set	109	–	0
pyrethrins	whole	0.01	3	109	0	0
pyriproxyfen	whole	0.01	not set	109	–	0
spinetoram	whole	0.01	not set	109	–	0
spinosad	whole	0.01	2	109	1	0
spirotetramat	whole	0.01	not set	109	–	0
sulfoxaflor	whole	0.01	0.01	109	0	0
tau-fluvalinate	whole	0.01	not set	109	–	0
tebufenozide	whole	0.01	not set	109	–	0
tebufenpyrad	whole	0.01	not set	109	–	0
terbufos	whole	0.01	0.01	109	0	0
tetradifon	whole	0.01	not set	109	–	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	109	–	0
thiamethoxam	whole	0.01	0.01	109	0	0
thiodicarb	whole	0.01	not set	109	–	0
triazofos	whole	0.01	not set	109	–	0
trichlorfon	whole	0.01	0.1	109	0	0
triflumuron	whole	0.01	0.05	109	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	109	0	0
chlordane	whole	0.01	0.02	109	0	0
DDT	whole	0.01	0.1	109	0	0
endosulfan	whole	0.01	not set	109	–	0
endrin	whole	0.01	not set	109	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	109	0	0
HCH (BHC)	whole	0.01	0.1	109	0	0
heptachlor	whole	0.01	0.02	109	0	0
lindane (gamma-HCH)	whole	0.01	0.5	109	0	0
mirex	whole	0.01	not set	109	–	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	12	0	0