



Wheat (bran) residue testing annual datasets 2014–15

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	121	0	0
benalaxyl	whole	0.01	not set	120	0	0
benomyl	whole	0.01	not set	3	0	0
bitertanol	whole	0.01	not set	120	0	0
boscalid	whole	0.01	0.5	120	0	0
bupirimate	whole	0.01	not set	120	0	0
captafol	whole	0.02	not set	121	0	0
captan	whole	0.02	not set	121	0	0
carbendazim	whole	0.01	not set	121	0	0
chlorothalonil	whole	0.01	not set	121	0	0
cyproconazole	whole	0.01	0.02	121	0	0
cyprodinil	whole	0.01	not set	120	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	0.01	121	0	0
dimethomorph	whole	0.01	not set	120	0	0
dithianon	whole	0.01	not set	120	0	0
dodine	whole	0.01	not set	120	0	0
epoxiconazole	whole	0.01	0.3	121	0	0
etridiazole	whole	0.01	not set	121	0	0
fenarimol	whole	0.01	not set	120	0	0
fenhexamid	whole	0.01	not set	120	0	0
fluazinam	whole	0.01	not set	120	0	0
fludioxonil	whole	0.01	not set	120	0	0
fluquinconazole	whole	0.01	0.02	121	0	0
flusilazole	whole	0.01	not set	120	0	0
flutriafol	whole	0.01	0.02	121	0	1
fluxapyroxad	whole	0.01	0.01	121	0	0
hexaconazole	whole	0.01	not set	121	0	0
imazalil	whole	0.01	not set	120	0	0
ipconazole	whole	0.01	0.01	121	0	0
iprodione	whole	0.01	not set	121	0	0
kresoxim-methyl	whole	0.01	not set	120	0	0
metalaxyl	whole	0.01	0.01	120	0	0
myclobutanil	whole	0.01	not set	120	0	0
oxadixyl	whole	0.01	not set	120	0	0
penconazole	whole	0.01	not set	121	0	0
prochloraz	whole	0.01	not set	120	0	0
procymidone	whole	0.01	not set	121	0	0
propiconazole	whole	0.01	0.05	121	0	0
prothioconazole	whole	0.01	0.5	121	0	0
pyraclostrobin	whole	0.01	0.01	121	0	0
pyrimethanil	whole	0.01	not set	120	0	0
spiroxamine	whole	0.01	not set	120	0	0
tebuconazole	whole	0.01	0.2	121	0	0
thiabendazole	whole	0.01	not set	121	0	0
tolclofos methyl	whole	0.01	not set	120	0	0
triadimefon	whole	0.01	0.5	121	0	0
triadimenol	whole	0.01	0.01	121	0	0
trifloxystrobin	whole	0.01	not set	120	0	0
triticonazole	whole	0.01	0.05	121	0	0
vinclozolin	whole	0.01	not set	120	0	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	120	0	0
2,4-D	whole	0.01	0.2	121	0	0
amitrole	whole	0.01	0.01	19	0	0
atrazine	whole	0.01	not set	121	0	0
bromacil	whole	0.01	not set	120	0	0
bromoxynil	whole	0.01	0.2	121	0	0
carfentrazone-ethyl	whole	0.01	0.05	121	0	0
chlorpropham	whole	0.01	not set	120	0	0
chlorsulfuron	whole	0.01	0.05	121	0	0
chlorthal-dimethyl	whole	0.01	not set	120	0	0
clethodim	whole	0.01	0.1	121	0	0
clodinafop-propargyl	whole	0.01	0.05	121	0	0
clopyralid	whole	0.01	2	121	0	0
cyanazine	whole	0.01	0.01	120	0	0
dicamba	whole	0.01	0.05	121	0	0
dichlobenil	whole	0.01	not set	120	0	0
dichlorprop-P	whole	0.01	not set	120	0	0
diclofop-methyl	whole	0.01	0.1	19	0	0
diflufenican	whole	0.01	0.02	121	0	0
diquat	whole	0.01	2	19	0	0
diuron	whole	0.01	0.1	121	0	0
ethofumesate	whole	0.01	not set	120	0	0
fenoxaprop-ethyl	whole	0.01	0.01	19	0	0
flamprop-M-methyl	whole	0.01	0.05	19	0	0
fluazifop-p-butyl	whole	0.01	not set	19	0	0
flumetsulam	whole	0.01	0.05	13	0	0
glufosinate	whole	0.01	not set	19	0	0
glyphosate	whole	0.01	20	19	0	0
haloxyfop	whole	0.01	not set	19	0	0
imazamox	whole	0.01	not set	121	0	0
imazapic	whole	0.01	0.05	121	0	0
imazapyr	whole	0.01	0.05	121	0	0
imazaquin	whole	0.01	not set	121	0	0
imazethapyr	whole	0.01	not set	121	0	0
iodosulfuron-methyl	whole	0.01	0.01	121	0	0
ioxynil	whole	0.01	not set	120	0	0
isoxaben	whole	0.01	0.01	120	0	0
linuron	whole	0.01	0.05	120	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	121	0	0
methabenthiazuron	whole	0.01	not set	120	0	0
metolachlor	whole	0.01	0.02	121	0	0
metosulam	whole	0.01	0.02	121	0	0
metribuzin	whole	0.01	0.05	120	0	0
metsulfuron-methyl	whole	0.01	0.02	121	0	0
napropamide	whole	0.01	not set	120	0	0
norflurazon	whole	0.01	not set	120	0	0
oryzalin	whole	0.01	0.01	120	0	0
oxyfluorfen	whole	0.01	0.05	120	0	0
paraquat	whole	0.01	0.05	19	0	0
pendimethalin	whole	0.01	0.05	121	0	0
picloram	whole	0.01	0.2	121	0	0
propachlor	whole	0.01	0.05	120	0	0
quizalofop-ethyl	whole	0.01	not set	19	0	0
quizalofop-P-tefuryl	whole	0.01	not set	19	0	0
sethoxydim	whole	0.01	0.1	121	0	0
simazine	whole	0.01	not set	121	0	0
tralkoxydim	whole	0.01	0.02	121	0	0
triasulfuron	whole	0.01	0.02	121	0	0
triclopyr	whole	0.01	not set	121	0	0
trifluralin	whole	0.01	0.05	121	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	120	0	0
acephate	whole	0.01	not set	120	0	0
acetamiprid	whole	0.01	not set	121	0	0
aldicarb	whole	0.01	not set	120	0	0
amitraz	whole	0.01	not set	121	0	0
azamethiphos	whole	0.01	0.5	121	0	0
azinphos-methyl	whole	0.01	not set	120	0	0
bifenazate	whole	0.01	not set	120	0	0
bifenthrin	whole	0.01	0.02	121	0	0
bioresmethrin	whole	0.01	not set	121	0	0
buprofezin	whole	0.01	not set	120	0	0
cadusafos	whole	0.01	not set	120	0	0
carbaryl	whole	0.01	10	121	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
carbofuran	whole	0.01	0.2	120	0	0
chlorantraniliprole	whole	0.01	0.01	120	0	0
chlorfenapyr	whole	0.01	not set	121	0	0
chlorfenvinphos	whole	0.01	0.05	121	0	0
chlorpyrifos	whole	0.01	0.1	121	0	0
chlorpyrifos-methyl	whole	0.01	20	121	0	0
clofentezine	whole	0.01	not set	120	0	0
clothianidin	whole	0.01	not set	120	0	0
cyfluthrin	whole	0.01	5	121	0	0
cyhalothrin	whole	0.01	0.05	121	0	0
cypermethrin	whole	0.01	0.2	121	0	0
deltamethrin	whole	0.01	5	121	0	0
diafenthion	whole	0.01	not set	121	0	0
diazinon	whole	0.01	0.1	121	0	0
dichlorvos	whole	0.01	10	121	0	0
dicofol	whole	0.01	not set	121	0	0
diflubenzuron	whole	0.01	5	121	0	0
dimethoate	whole	0.01	1	121	0	0
disulfoton	whole	0.01	not set	120	0	0
emamectin	whole	0.01	not set	121	0	0
endosulfan	whole	0.01	not set	121	0	0
esfenvalerate	whole	0.01	5	121	0	0
ethion	whole	0.01	not set	121	0	0
ethoprophos	whole	0.005	0.005	121	0	0
etoxazole	whole	0.01	not set	120	0	0
fenamiphos	whole	0.01	not set	120	0	0
fenbutatin oxide	whole	0.01	not set	120	0	0
fenitrothion	whole	0.01	20	121	0	0
fenoxycarb	whole	0.01	not set	120	0	0
fenpyroximate	whole	0.01	not set	120	0	0
fenthion	whole	0.01	not set	120	0	0
fenvalerate	whole	0.01	5	121	0	0
fipronil	whole	0.005	not set	121	0	0
hexythiazox	whole	0.01	not set	120	0	0
imidacloprid	whole	0.01	0.05	121	0	0
indoxacarb	whole	0.01	not set	121	0	0
malathion (maldison)	whole	0.01	20	121	0	0
methacrifos	whole	0.01	not set	121	0	0
methamidophos	whole	0.01	not set	120	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methidathion	whole	0.01	0.01	121	0	0
methiocarb	whole	0.01	not set	120	0	0
methomyl	whole	0.01	0.1	121	0	0
methoprene	whole	0.01	5	121	0	0
methoxychlor	whole	0.01	not set	121	0	0
methoxyfenozide	whole	0.01	not set	120	0	0
mevinphos	whole	0.01	not set	120	0	0
monocrotophos	whole	0.01	not set	120	0	0
omethoate	whole	0.01	0.05	121	0	0
parathion	whole	0.01	not set	120	0	0
parathion-methyl	whole	0.01	not set	120	0	0
permethrin	whole	0.01	5	121	0	0
phenothrin	whole	0.01	5	121	0	0
phorate	whole	0.01	not set	120	0	0
phosmet	whole	0.01	0.05	121	0	0
piperonyl butoxide	whole	0.01	40	121	0	0
pirimicarb	whole	0.01	0.02	121	0	0
pirimiphos-methyl	whole	0.01	20	121	0	0
profenofos	whole	0.01	not set	121	0	0
propargite	whole	0.01	not set	120	0	0
prothiofos	whole	0.01	not set	120	0	0
pymetrozine	whole	0.01	not set	120	0	0
pyrethrins	whole	0.01	3	120	0	0
pyriproxyfen	whole	0.01	not set	121	0	0
spinetoram	whole	0.01	not set	120	0	0
spinosad	whole	0.01	1	121	0	0
spirotetramat	whole	0.01	not set	120	0	0
sulfoxaflor	whole	0.01	0.01	61	0	0
tau-fluvalinate	whole	0.01	not set	120	0	0
tebufenozide	whole	0.01	not set	120	0	0
tebufenpyrad	whole	0.01	not set	120	0	0
terbufos	whole	0.01	0.01	121	0	0
tetradifon	whole	0.01	not set	120	0	0
thiacloprid	whole	0.01	not set	120	0	0
thiamethoxam	whole	0.01	0.01	120	0	0
thiodicarb	whole	0.01	not set	121	0	0
triazofos	whole	0.01	not set	120	0	0
trichlorfon	whole	0.01	0.1	121	0	0
triflumuron	whole	0.01	0.05	121	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	121	0	0
arsenic	whole	0.05	1	2	0	0
cadmium	whole	0.01	0.1	2	0	0
chlordane	whole	0.01	0.02	121	0	0
copper	whole	0.05	no limit	2	0	0
DDT	whole	0.01	0.1	121	0	0
endrin	whole	0.01	not set	121	0	0
HCB (hexachlorobenzene)	whole	0.01	0.05	121	0	0
HCH (or BHC)	whole	0.01	0.1	121	0	0
heptachlor	whole	0.01	0.02	121	0	0
lead	whole	0.01	0.2	2	0	0
lindane (gamma-HCH)	whole	0.01	0.5	121	0	0
mercury	whole	0.01	no limit	2	0	0
mirex	whole	0.01	not set	121	0	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	7	0	0