



Wheat (bran) 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	133	0	0
benalaxyl	whole	0.01	not set	133	–	0
bitertanol	whole	0.01	not set	133	–	0
boscalid	whole	0.01	0.5	133	0	0
bupirimate	whole	0.01	not set	133	–	0
captafol	whole	0.02	not set	133	–	0
captan	whole	0.02	not set	133	–	0
carbendazim	whole	0.01	not set	133	–	0
chlorothalonil	whole	0.01	not set	133	–	0
cyproconazole	whole	0.01	0.02	133	0	0
cyprodinil	whole	0.01	not set	133	–	0
difenoconazole	whole	0.01	0.01	133	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	133	–	0
dithianon	whole	0.01	not set	133	–	0
dodine	whole	0.01	not set	133	–	0
epoxiconazole	whole	0.01	0.3	133	0	0
etridiazole	whole	0.01	not set	133	–	0
fenarimol	whole	0.01	not set	133	–	0
fenhexamid	whole	0.01	not set	133	–	0
fluazinam	whole	0.01	not set	133	–	0
fludioxonil	whole	0.01	not set	133	–	0
fluquinconazole	whole	0.01	0.02	133	0	0
flusilazole	whole	0.01	not set	133	–	0
flutriafol	whole	0.01	0.02	133	0	1
fluxapyroxad	whole	0.01	0.01	133	0	0
hexaconazole	whole	0.01	not set	133	–	0
imazalil	whole	0.01	not set	133	–	0
ipconazole	whole	0.01	0.01	133	0	0
iprodione	whole	0.01	not set	133	–	0
kresoxim-methyl	whole	0.01	not set	133	–	0
metalaxyl	whole	0.01	0.01	133	0	0
myclobutanil	whole	0.01	not set	133	–	0
oxadixyl	whole	0.01	not set	133	–	0
penconazole	whole	0.01	not set	133	–	0
prochloraz	whole	0.01	not set	133	–	0
procymidone	whole	0.01	not set	133	–	0
propiconazole	whole	0.01	0.05	133	0	0
prothioconazole	whole	0.01	0.5	133	0	0
pyraclostrobin	whole	0.01	0.01	133	0	0
pyrimethanil	whole	0.01	not set	133	–	0
quinoxifen	whole	0.01	not set	12	–	0
spiroxamine	whole	0.01	not set	133	–	0
tebuconazole	whole	0.01	0.2	133	0	0
thiabendazole	whole	0.01	not set	133	–	0
tolclofos methyl	whole	0.01	not set	133	–	0
triadimefon	whole	0.01	0.5	133	0	0
triadimenol	whole	0.01	0.01	133	0	0
trifloxystrobin	whole	0.01	not set	133	–	0
triticonazole	whole	0.01	0.05	133	0	0
vinclozolin	whole	0.01	not set	133	–	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	133	0	0
2,4-D	whole	0.01	0.2	133	0	0
amitrole	whole	0.01	0.01	23	0	0
atrazine	whole	0.01	not set	133	–	0
bromacil	whole	0.01	not set	133	–	0
bromoxynil	whole	0.01	0.2	133	0	0
carfentrazone-ethyl	whole	0.01	0.05	133	0	0
chlorpropham	whole	0.01	not set	133	–	0
chlorsulfuron	whole	0.01	0.05	133	0	0
chlorthal-dimethyl	whole	0.01	not set	133	–	0
clethodim (parent only)	whole	0.01	0.1	133	0	0
clodinafop-propargyl	whole	0.01	0.05	133	0	0
clopyralid	whole	0.01	2	133	0	0
cyanazine	whole	0.01	0.01	133	0	0
dicamba	whole	0.01	0.05	133	0	0
dichlobenil	whole	0.01	not set	133	–	0
dichlorprop-P	whole	0.01	not set	133	–	0
diclofop-methyl	whole	0.01	0.1	23	0	0
diflufenican	whole	0.01	0.02	133	0	0
diquat	whole	0.01	2	23	0	0
diuron	whole	0.01	0.1	133	0	0
ethofumesate	whole	0.01	not set	133	–	0
fenoxaprop-ethyl	whole	0.01	0.01	23	0	0
flamprop-M-methyl	whole	0.01	0.05	23	0	0
fluazifop-p-butyl	whole	0.01	not set	23	–	0
flumetsulam	whole	0.01	0.05	133	0	0
glufosinate	whole	0.01	not set	23	–	0
glyphosate	whole	0.01	20	23	0	0
haloxyfop	whole	0.01	not set	23	–	0
imazamox	whole	0.01	not set	133	–	0
imazapic	whole	0.01	0.05	133	0	0
imazapyr	whole	0.01	0.05	133	0	0
imazaquin	whole	0.01	not set	133	–	0
imazethapyr	whole	0.01	not set	133	–	0
iodosulfuron-methyl	whole	0.01	0.01	133	0	0
ioxynil	whole	0.01	not set	133	–	0
isoxaben	whole	0.01	0.01	133	0	0
linuron	whole	0.01	0.05	133	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	133	0	0
methabenthiazuron	whole	0.01	not set	133	–	0
metolachlor	whole	0.01	0.02	133	0	0
metosulam	whole	0.01	0.02	133	0	0
metribuzin	whole	0.01	0.05	133	0	0
metsulfuron–methyl	whole	0.01	0.02	133	0	0
napropamide	whole	0.01	not set	133	–	0
norflurazon	whole	0.01	not set	133	–	0
oryzalin	whole	0.01	0.01	133	0	0
oxyfluorfen	whole	0.01	0.05	133	0	0
paraquat	whole	0.01	0.05	23	0	0
pendimethalin	whole	0.01	0.05	133	0	0
picloram	whole	0.01	0.2	133	0	0
propachlor	whole	0.01	0.05	133	0	0
propyzamide	whole	0.01	not set	73	–	0
quizalofop–ethyl	whole	0.01	not set	23	–	0
quizalofop–P–tefuryl	whole	0.01	not set	23	–	0
saflufenacil	whole	0.01	0.03	73	0	0
sethoxydim	whole	0.01	0.1	133	0	0
simazine	whole	0.01	not set	133	–	0
tralkoxydim	whole	0.01	0.02	133	0	0
triasulfuron	whole	0.01	0.02	133	0	0
triclopyr	whole	0.01	not set	133	–	0
trifluralin	whole	0.01	0.05	133	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	133	–	0
acephate	whole	0.01	not set	133	–	0
acetamiprid	whole	0.01	not set	133	–	0
aldicarb	whole	0.01	not set	133	–	0
amitraz	whole	0.01	not set	133	–	0
azamethiphos	whole	0.01	0.5	133	0	0
azinphos–methyl	whole	0.01	not set	133	–	0
bifenazate	whole	0.01	not set	133	–	0
bifenthrin	whole	0.01	0.02	133	0	0
bioresmethrin	whole	0.01	not set	133	–	0
buprofezin	whole	0.01	not set	133	–	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	133	–	0
carbaryl	whole	0.01	10	133	0	0
carbofuran	whole	0.01	0.2	133	0	0
chlorantraniliprole	whole	0.01	0.01	133	0	0
chlorfenapyr	whole	0.01	not set	133	–	0
chlorfenvinphos	whole	0.01	0.05	133	0	0
chlorpyrifos	whole	0.01	0.1	133	0	0
chlorpyrifos–methyl	whole	0.01	20	133	3	0
clofentezine	whole	0.01	not set	133	–	0
clothianidin	whole	0.01	not set	133	–	0
cyfluthrin	whole	0.01	5	133	0	0
cyhalothrin	whole	0.01	0.05	133	0	0
cypermethrin	whole	0.01	0.2	133	0	0
deltamethrin	whole	0.01	5	133	0	0
diafenthion	whole	0.01	not set	133	–	0
diazinon	whole	0.01	0.1	133	0	0
dichlorvos	whole	0.01	0.01	133	0	0
dicofol	whole	0.01	not set	133	–	0
diflubenzuron	whole	0.01	5	133	0	0
dimethoate	whole	0.01	1	133	0	0
disulfoton	whole	0.01	not set	133	–	0
emamectin	whole	0.01	not set	133	–	0
endosulfan	whole	0.01	not set	133	–	0
esfenvalerate	whole	0.01	5	133	0	0
ethion	whole	0.01	not set	133	–	0
ethoprophos	whole	0.005	0.005	133	0	0
etoxazole	whole	0.01	not set	133	–	0
fenamiphos	whole	0.01	not set	133	–	0
fenbutatin oxide	whole	0.01	not set	133	–	0
fenitrothion	whole	0.01	20	133	0	0
fenoxycarb	whole	0.01	not set	133	–	0
fenpyroximate	whole	0.01	not set	133	–	0
fenthion	whole	0.01	not set	133	–	0
fenvalerate	whole	0.01	5	133	0	0
fipronil	whole	0.005	not set	133	–	0
hexythiazox	whole	0.01	not set	133	–	0
imidacloprid	whole	0.01	0.05	133	0	0
indoxacarb	whole	0.01	not set	133	–	0
malathion (maldison)	whole	0.01	20	133	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	133	–	0
methamidophos	whole	0.01	not set	133	–	0
methidathion	whole	0.01	0.01	133	0	0
methiocarb	whole	0.01	not set	133	–	0
methomyl	whole	0.01	0.1	133	0	0
methoprene	whole	0.01	5	133	0	0
methoxychlor	whole	0.01	not set	133	–	0
methoxyfenozide	whole	0.01	not set	133	–	0
mevinphos	whole	0.01	not set	133	–	0
monocrotophos	whole	0.01	not set	133	–	0
omethoate	whole	0.01	0.05	133	0	0
parathion	whole	0.01	not set	133	–	0
parathion–methyl	whole	0.01	not set	133	–	0
permethrin	whole	0.01	5	133	0	0
phenothrin	whole	0.01	5	133	0	0
phorate	whole	0.01	not set	133	–	0
phosmet	whole	0.01	0.05	133	0	0
piperonyl butoxide	whole	0.01	40	133	0	0
pirimicarb	whole	0.01	0.02	133	0	0
pirimiphos–methyl	whole	0.01	20	133	0	0
profenofos	whole	0.01	not set	133	–	0
propargite	whole	0.01	not set	133	–	0
prothiofos	whole	0.01	not set	133	–	0
pymetrozine	whole	0.01	not set	133	–	0
pyrethrins	whole	0.01	3	133	0	0
pyriproxyfen	whole	0.01	not set	133	–	0
spinetoram	whole	0.01	not set	133	–	0
spinosad	whole	0.01	2	133	3	0
spirotetramat	whole	0.01	not set	133	–	0
sulfoxaflor	whole	0.01	0.01	133	0	0
tau–fluvalinate	whole	0.01	not set	133	–	0
tebufenozide	whole	0.01	not set	133	–	0
tebufenpyrad	whole	0.01	not set	133	–	0
terbufos	whole	0.01	0.01	133	0	0
tetradifon	whole	0.01	not set	133	–	0
thiacloprid	whole	0.01	not set	133	–	0
thiamethoxam	whole	0.01	0.01	133	0	0
thiodicarb	whole	0.01	not set	133	–	0
triazofos	whole	0.01	not set	133	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.1	133	0	0
triflumuron	whole	0.01	0.05	133	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	133	1	0
chlordane	whole	0.01	0.02	133	0	0
DDT	whole	0.01	0.1	133	0	0
endrin	whole	0.01	not set	133	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	133	0	0
HCH (or BHC)	whole	0.01	0.1	133	0	0
heptachlor	whole	0.01	0.02	133	0	0
lindane (gamma-HCH)	whole	0.01	0.5	133	0	0
mirex	whole	0.01	not set	133	–	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	6	0	0