



Wheat (Durum) 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	57	0	0
benalaxyl	whole	0.01	not set	57	–	0
bitertanol	whole	0.01	not set	57	–	0
boscalid	whole	0.01	0.5	57	0	0
bupirimate	whole	0.01	not set	57	–	0
captafol	whole	0.02	not set	57	–	0
captan	whole	0.01	not set	57	–	0
carbendazim	whole	0.01	not set	57	–	0
chlorothalonil	whole	0.01	not set	57	–	0
cyproconazole	whole	0.01	0.02	57	0	0
cyprodinil	whole	0.01	not set	57	–	0
difenoconazole	whole	0.01	0.01	57	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	57	–	0
dithianon	whole	0.01	not set	57	–	0
dodine	whole	0.01	not set	57	–	0
epoxiconazole	whole	0.01	0.05	57	0	0
etridiazole	whole	0.01	not set	57	–	0
fenarimol	whole	0.01	not set	57	–	0
fenhexamid	whole	0.01	not set	57	–	0
fluazinam	whole	0.01	not set	57	–	0
fludioxonil	whole	0.01	not set	57	–	0
fluquinconazole	whole	0.01	0.02	57	0	0
flusilazole	whole	0.01	not set	57	–	0
flutriafol	whole	0.01	0.02	57	0	0
fluxapyroxad	whole	0.01	0.01	57	0	0
hexaconazole	whole	0.01	not set	57	–	0
imazalil	whole	0.01	not set	57	–	0
ipconazole	whole	0.01	0.01	57	0	0
iprodione	whole	0.01	not set	57	–	0
kresoxim-methyl	whole	0.01	not set	57	–	0
metalaxyl	whole	0.01	0.01	57	0	0
myclobutanil	whole	0.01	not set	57	–	0
oxadixyl	whole	0.01	not set	57	–	0
penconazole	whole	0.01	not set	57	–	0
prochloraz	whole	0.01	not set	57	–	0
procymidone	whole	0.01	not set	57	–	0
propiconazole	whole	0.01	0.05	57	0	0
prothioconazole	whole	0.01	0.3	57	0	0
pyraclostrobin	whole	0.01	0.01	57	0	0
pyrimethanil	whole	0.01	not set	57	–	0
quinoxifen	whole	0.01	not set	57	–	0
spiroxamine-P	whole	0.01	not set	57	–	0
tebuconazole	whole	0.01	0.2	57	0	0
thiabendazole	whole	0.01	not set	57	–	0
tolclofos methyl	whole	0.01	not set	57	–	0
triadimefon	whole	0.01	0.5	57	0	0
triadimenol	whole	0.01	0.01	57	0	0
trifloxystrobin	whole	0.01	not set	57	–	0
triticonazole	whole	0.01	0.05	57	0	0
vinclozolin	whole	0.01	not set	57	–	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	57	0	0
2,4-D	whole	0.01	0.2	57	0	0
amitrole	whole	0.01	0.01	4	0	0
atrazine	whole	0.01	not set	57	–	0
bromacil	whole	0.01	not set	57	–	0
bromoxynil	whole	0.01	0.2	57	0	0
carfentrazone-ethyl	whole	0.01	0.05	57	0	0
chlorpropham	whole	0.01	not set	57	–	0
chlorsulfuron	whole	0.01	0.05	57	0	0
chlorthal-dimethyl	whole	0.01	not set	57	–	0
clethodim (parent only)	whole	0.01	0.1	57	0	0
clodinafop-propargyl	whole	0.01	0.05	57	0	0
clopyralid	whole	0.01	2	57	0	0
cyanazine	whole	0.01	0.01	57	0	0
dicamba	whole	0.01	0.05	57	0	0
dichlobenil	whole	0.01	not set	57	–	0
dichlorprop-P	whole	0.01	not set	57	–	0
diclofop-methyl	whole	0.01	0.1	4	0	0
diflufenican	whole	0.01	0.02	57	0	0
diquat	whole	0.01	2	4	0	0
diuron	whole	0.01	0.1	57	0	0
ethofumesate	whole	0.01	not set	57	–	0
fenoxaprop-ethyl	whole	0.01	0.01	4	0	0
flamprop-M-methyl	whole	0.01	0.05	4	0	0
fluazifop-p-butyl	whole	0.01	not set	4	–	0
flumetsulam	whole	0.01	0.05	57	0	0
glufosinate	whole	0.01	not set	4	–	0
glyphosate	whole	0.01	5	4	0	0
haloxyfop	whole	0.01	not set	4	–	0
imazamox	whole	0.01	not set	57	–	0
imazapic	whole	0.01	0.05	57	0	0
imazapyr	whole	0.01	0.05	57	0	0
imazaquin	whole	0.01	not set	57	–	0
imazethapyr	whole	0.01	not set	57	–	0
iodosulfuron-methyl	whole	0.01	0.01	57	0	0
ioxynil	whole	0.01	not set	57	–	0
isoxaben	whole	0.01	0.01	57	0	0
linuron	whole	0.01	0.05	57	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	57	0	0
methabenzthiazuron	whole	0.01	not set	57	–	0
metolachlor	whole	0.01	0.02	57	0	0
metosulam	whole	0.01	0.02	57	0	0
metribuzin	whole	0.01	0.05	57	0	0
metsulfuron-methyl	whole	0.01	0.02	57	0	0
napropamide	whole	0.01	not set	57	–	0
norflurazon	whole	0.01	not set	57	–	0
oryzalin	whole	0.01	0.01	57	0	0
oxyfluorfen	whole	0.01	0.05	57	0	0
paraquat	whole	0.01	0.05	4	0	0
pendimethalin	whole	0.01	0.05	57	0	0
picloram	whole	0.01	0.2	57	0	0
propachlor	whole	0.01	0.05	57	0	0
propyzamide	whole	0.01	not set	57	–	0
quizalofop-ethyl	whole	0.01	not set	4	–	0
quizalofop-P-tefuryl	whole	0.01	not set	4	–	0
saflufenacil	whole	0.01	0.03	57	0	0
sethoxydim	whole	0.01	0.1	57	0	0
simazine	whole	0.01	not set	57	–	0
tralkoxydim	whole	0.01	0.02	57	0	0
triasulfuron	whole	0.01	0.02	57	0	0
triclopyr	whole	0.01	not set	57	–	0
trifluralin	whole	0.01	0.05	57	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	57	–	0
acephate	whole	0.01	not set	57	–	0
acetamiprid	whole	0.01	not set	57	–	0
aldicarb	whole	0.01	not set	57	–	0
amitraz	whole	0.01	not set	57	–	0
azamethiphos	whole	0.01	0.1	57	0	0
azinphos-methyl	whole	0.01	not set	57	–	0
bifenazate	whole	0.01	not set	57	–	0
bifenthrin	whole	0.01	0.02	57	0	0
bioresmethrin	whole	0.01	not set	57	–	0
buprofezin	whole	0.01	not set	57	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	57	–	0
carbaryl	whole	0.01	5	57	0	0
carbofuran	whole	0.01	0.2	57	0	0
chlorantraniliprole	whole	0.01	0.01	57	0	0
chlorfenapyr	whole	0.01	not set	57	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	57	0	0
chlorpyrifos	whole	0.01	0.1	57	0	0
chlorpyrifos-methyl	whole	0.01	10	57	0	0
clofentezine	whole	0.01	not set	57	–	0
clothianidin	whole	0.01	not set	57	–	0
cyfluthrin (sum of isomers)	whole	0.01	2	57	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.05	57	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	57	0	0
deltamethrin	whole	0.01	2	57	0	0
diafenthiuron	whole	0.01	not set	57	–	0
diazinon	whole	0.01	0.1	57	0	0
dichlorvos	whole	0.01	0.01	57	0	0
dicofol	whole	0.01	not set	57	–	0
diflubenzuron	whole	0.01	not set	57	–	0
dimethoate	whole	0.01	0.05	57	0	0
disulfoton	whole	0.01	not set	57	–	0
emamectin	whole	0.01	not set	57	–	0
esfenvalerate	whole	0.01	2	57	0	0
ethion	whole	0.01	not set	57	–	0
ethoprophos	whole	0.005	0.005	57	0	0
etoxazole	whole	0.01	not set	57	–	0
fenamiphos	whole	0.01	not set	57	–	0
fenbutatin oxide	whole	0.01	not set	57	–	0
fenitrothion	whole	0.01	10	57	0	0
fenoxycarb	whole	0.01	not set	57	–	0
fenpyroximate	whole	0.01	not set	57	–	0
fenthion	whole	0.01	not set	57	–	0
fenvalerate (sum of isomers)	whole	0.01	2	57	0	0
fipronil	whole	0.002	not set	57	–	0
hexythiazox	whole	0.01	not set	57	–	0
imidacloprid	whole	0.01	0.05	57	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	not set	57	–	0
malathion (maldison)	whole	0.01	8	57	0	0
methacrifos	whole	0.01	not set	57	–	0
methamidophos	whole	0.01	not set	57	–	0
methidathion	whole	0.01	0.01	57	0	0
methiocarb	whole	0.01	not set	57	–	0
methomyl	whole	0.01	0.1	57	0	0
methoprene	whole	0.01	2	57	0	0
methoxychlor	whole	0.01	not set	57	–	0
methoxyfenozide	whole	0.01	not set	57	–	0
mevinphos	whole	0.01	not set	57	–	0
monocrotophos	whole	0.01	not set	57	–	0
omethoate	whole	0.01	0.05	57	0	0
parathion	whole	0.01	not set	57	–	0
parathion-methyl	whole	0.01	not set	57	–	0
permethrin (sum of isomers)	whole	0.01	2	57	0	0
phenothrin (sum of isomers)	whole	0.01	2	57	0	0
phorate	whole	0.01	not set	57	–	0
phosmet	whole	0.01	0.05	57	0	0
piperonyl butoxide	whole	0.01	20	57	0	0
pirimicarb	whole	0.01	0.02	57	0	0
pirimiphos-methyl	whole	0.01	10	57	0	0
profenofos	whole	0.01	not set	57	–	0
propargite	whole	0.01	not set	57	–	0
prothiofos	whole	0.01	not set	57	–	0
pymetrozine	whole	0.01	not set	57	–	0
pyrethrins	whole	0.01	3	57	0	0
pyriproxyfen	whole	0.01	not set	57	–	0
spinetoram	whole	0.01	not set	57	–	0
spinosad	whole	0.01	1	57	0	0
spirotetramat	whole	0.01	not set	57	–	0
sulfoxaflor	whole	0.01	0.01	57	0	0
tau-fluvalinate	whole	0.01	not set	57	–	0
tebufenozide	whole	0.01	not set	57	–	0
tebufenpyrad	whole	0.01	not set	57	–	0
terbufos	whole	0.01	0.01	57	0	0
tetradifon	whole	0.01	not set	57	–	0
thiacloprid	whole	0.01	not set	57	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	0.01	57	0	0
thiodicarb	whole	0.01	not set	57	–	0
triazofos	whole	0.01	not set	57	–	0
trichlorfon	whole	0.01	0.1	57	0	0
triflumuron	whole	0.01	0.05	57	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	57	0	0
chlordane	whole	0.01	0.02	57	0	0
DDT	whole	0.01	0.1	57	0	0
endosulfan	whole	0.01	not set	57	–	0
endrin	whole	0.01	not set	57	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	57	0	0
HCH (BHC)	whole	0.01	0.1	57	0	0
heptachlor	whole	0.01	0.02	57	0	0
lindane (gamma-HCH)	whole	0.01	0.5	57	0	0
mirex	whole	0.01	not set	57	–	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	3	0	0