Wheat (durum) residue testing annual datasets 2018–19

National Residue Survey, Department of Agriculture

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	40	0	0
benalaxyl	whole	0.01	not set	40	–	0
bitertanol	whole	0.01	not set	40	–	0
bixafen-P	whole	0.01	0.01	27	0	0
boscalid	whole	0.01	0.5	40	0	0
bupirimate	whole	0.01	not set	40	–	0
captafol	whole	0.02	not set	40	–	0
captan	whole	0.01	not set	40	–	0
carbendazim	whole	0.01	not set	40	–	0
carboxin	whole	0.01	0.1	27	0	0
chlorothalonil	whole	0.01	not set	40	–	0
cyproconazole	whole	0.01	0.02	40	0	0
cyprodinil	whole	0.01	not set	40	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	0.01	40	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	40	–	0
dithianon	whole	0.01	not set	40	–	0
dodine	whole	0.01	not set	40	–	0
epoxiconazole	whole	0.01	0.05	40	0	0
etridiazole	whole	0.01	not set	40	–	0
fenarimol	whole	0.01	not set	40	–	0
fenbuconazole	whole	0.01	0.01	27	0	0
fenhexamid	whole	0.01	not set	40	–	0
fluazinam	whole	0.01	not set	40	–	0
fludioxonil	whole	0.01	not set	40	–	0
fluquinconazole	whole	0.01	0.02	40	0	0
flusilazole	whole	0.01	not set	40	–	0
flutriafol	whole	0.01	0.1	40	0	0
fluxapyroxad	whole	0.01	0.1	40	0	0
hexaconazole	whole	0.01	not set	40	–	0
imazalil	whole	0.01	not set	40	–	0
ipconazole	whole	0.01	0.01	40	0	0
iprodione	whole	0.01	not set	40	–	0
isoprothiolane	whole	0.01	not set	27	–	0
kresoxim-methyl	whole	0.01	not set	40	–	0
metalaxyl	whole	0.01	0.01	40	0	0
myclobutanil	whole	0.01	not set	40	–	0
oxadixyl	whole	0.01	not set	40	–	0
penconazole	whole	0.01	not set	40	–	0
penflufen	whole	0.01	0.01	27	0	0
prochloraz	whole	0.01	not set	40	–	0
procymidone	whole	0.01	not set	40	–	0
propiconazole	whole	0.01	0.05	40	0	0
prothioconazole	whole	0.01	0.3	40	0	0
pyraclostrobin	whole	0.01	0.01	40	0	0
pyrimethanil	whole	0.01	not set	40	–	0
quinoxyfen	whole	0.01	not set	40	–	0
sedaxane	whole	0.01	0.01	27	0	0
spiroxamine-P	whole	0.01	not set	40	–	0
tebuconazole	whole	0.01	0.2	40	0	0
thiabendazole-P	whole	0.01	not set	40	–	0
tolclofos methyl	whole	0.01	not set	40	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triadimefon	whole	0.01	0.5	40	0	0
triadimenol	whole	0.01	0.01	40	0	0
trifloxystrobin	whole	0.01	not set	40	–	0
triticonazole	whole	0.01	0.05	40	0	0
vinclozolin	whole	0.01	not set	40	–	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	40	0	0
2,4-D	whole	0.01	0.2	40	0	0
2,4-DB	whole	0.01	0.02	27	0	0
aminopyralid	whole	0.01	0.1	27	0	0
amitrole	whole	0.01	0.01	3	0	0
atrazine	whole	0.01	not set	40	–	0
bentazone	whole	0.01	not set	27	–	0
bromacil	whole	0.01	not set	40	–	0
bromoxynil	whole	0.01	0.2	40	0	0
butroxydim	whole	0.01	not set	27	–	0
carfentrazone-ethyl	whole	0.01	0.05	40	0	0
chlorpropham	whole	0.01	not set	40	–	0
chlorsulfuron	whole	0.01	0.05	40	0	0
chlorthal-dimethyl	whole	0.01	not set	40	–	0
clethodim (parent only)	whole	0.01	0.1	40	0	0
clodinafop-propargyl	whole	0.01	0.05	40	0	0
clopyralid	whole	0.01	2	40	0	0
cyanazine	whole	0.01	0.01	40	0	0
dicamba	whole	0.01	0.05	40	0	0
dichlobenil	whole	0.01	not set	40	–	0
dichlorprop-P	whole	0.02	not set	19	–	0
diclofop-methyl	whole	0.01	0.1	3	0	0
diflufenican	whole	0.01	0.02	40	0	0
diquat	whole	0.01	2	3	0	0
diuron	whole	0.01	0.1	40	0	0
ethofumesate	whole	0.01	not set	40	–	0
fenoxaprop-ethyl	whole	0.01	0.01	3	0	0
flamprop-M-methyl	whole	0.01	0.05	3	0	0
fluazifop-p-butyl	whole	0.01	not set	3	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
flumetsulam	whole	0.01	0.05	40	0	0
flumioxazin	whole	0.01	0.05	27	0	0
fluroxypyr	whole	0.01	0.2	27	0	0
glufosinate	whole	0.01	not set	3	–	0
glyphosate	whole	0.01	5	3	0	0
haloxyfop	whole	0.01	not set	3	–	0
imazamox	whole	0.01	not set	40	–	0
imazapic	whole	0.01	0.05	40	0	0
imazapyr	whole	0.01	0.05	40	0	0
imazaquin	whole	0.01	not set	40	–	0
imazethapyr	whole	0.01	not set	40	–	0
iodosulfuron-methyl	whole	0.01	0.01	40	0	0
ioxynil	whole	0.01	not set	40	–	0
isoxaben	whole	0.01	0.01	40	0	0
linuron	whole	0.01	0.05	40	0	0
MCPA	whole	0.01	0.02	40	0	0
methabenzthiazuron	whole	0.01	not set	40	–	0
metolachlor	whole	0.01	0.02	40	0	0
metosulam	whole	0.01	0.02	40	0	0
metribuzin	whole	0.01	0.05	40	0	0
metsulfuron-methyl	whole	0.01	0.02	40	0	0
napropamide	whole	0.01	not set	40	–	0
norflurazon	whole	0.01	not set	40	–	0
oryzalin	whole	0.01	0.01	40	0	0
oxyfluorfen	whole	0.01	0.05	40	0	0
paraquat	whole	0.01	0.05	3	0	0
pendimethalin	whole	0.01	0.05	40	0	0
picloram	whole	0.01	0.2	40	0	0
propachlor	whole	0.01	0.05	40	0	0
propaquizafop	whole	0.02	not set	3	–	0
propyzamide	whole	0.01	not set	40	–	0
quizalofop-ethyl	whole	0.01	not set	3	–	0
quizalofop-P-tefuryl	whole	0.01	not set	3	–	0
saflufenacil	whole	0.01	0.2	40	0	0
sethoxydim	whole	0.01	0.1	40	0	0
simazine	whole	0.01	not set	40	–	0
terbutryn	whole	0.01	0.1	27	0	0
tralkoxydim	whole	0.01	0.02	40	0	0
triallate	whole	0.01	0.05	27	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triasulfuron	whole	0.01	0.02	40	0	0
triclopyr	whole	0.01	not set	40	–	0
trifluralin	whole	0.01	0.05	40	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	40	0	0
acephate	whole	0.01	not set	40	–	0
acetamiprid-P	whole	0.01	not set	40	–	0
aldicarb	whole	0.01	not set	40	–	0
amitraz	whole	0.01	not set	40	–	0
azamethiphos	whole	0.01	0.1	40	0	0
azinphos-methyl	whole	0.01	not set	40	–	0
bifenazate	whole	0.01	not set	40	–	0
bifenthrin	whole	0.01	0.02	40	0	0
bioresmethrin	whole	0.01	not set	40	–	0
buprofezin	whole	0.01	not set	40	–	0
cadusafos	whole	0.01	not set	40	–	0
carbaryl	whole	0.01	5	40	0	0
carbofuran	whole	0.01	0.2	40	0	0
chlorantraniliprole	whole	0.01	0.01	40	0	0
chlorfenapyr	whole	0.01	not set	40	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	40	0	0
chlorpyrifos	whole	0.01	0.1	40	0	0
chlorpyrifos-methyl	whole	0.01	10	40	0	0
clofentezine	whole	0.01	not set	40	–	0
clothianidin	whole	0.01	0.02	40	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	40	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.05	40	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	40	0	0
deltamethrin	whole	0.01	2	40	0	0
diafenthiuron	whole	0.01	not set	40	-	0
diazinon	whole	0.01	0.1	40	0	0
dichlorvos	whole	0.01	0.01	40	0	0
dicofol	whole	0.01	not set	40	–	0
diflubenzuron	whole	0.01	not set	40	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethoate	whole	0.01	0.05	40	0	0
disulfoton	whole	0.01	not set	40	–	0
emamectin	whole	0.01	not set	40	–	0
esfenvalerate	whole	0.01	2	40	0	0
ethion	whole	0.01	not set	40	–	0
ethoprophos	whole	0.005	0.005	40	0	0
etoxazole	whole	0.01	not set	40	–	0
fenamiphos	whole	0.01	not set	40	–	0
fenbutatin oxide	whole	0.01	not set	40	–	0
fenitrothion	whole	0.01	10	40	0	0
fenoxycarb	whole	0.01	not set	40	–	0
fenpyroximate	whole	0.01	not set	40	–	0
fenthion	whole	0.01	not set	40	–	0
fenvalerate (sum of isomers)	whole	0.01	2	40	0	0
fipronil	whole	0.002	not set	40	–	0
hexythiazox	whole	0.01	not set	40	–	0
imidacloprid	whole	0.01	0.05	40	0	0
indoxacarb	whole	0.01	not set	40	–	0
malathion (maldison)	whole	0.01	8	40	0	0
methacrifos	whole	0.01	not set	40	–	0
methamidophos	whole	0.01	not set	40	–	0
methidathion	whole	0.01	0.01	40	0	0
methiocarb	whole	0.01	not set	40	–	0
methomyl	whole	0.01	0.1	40	0	0
methoprene	whole	0.01	2	40	0	0
methoxychlor	whole	0.01	not set	40	–	0
methoxyfenozide	whole	0.01	not set	40	–	0
mevinphos	whole	0.01	not set	40	–	0
monocrotophos	whole	0.01	not set	40	–	0
omethoate	whole	0.01	0.05	40	0	0
parathion	whole	0.01	not set	40	–	0
parathion-methyl	whole	0.01	not set	40	-	0
permethrin (sum of isomers)	whole	0.01	2	40	0	0
phenothrin (sum of isomers)	whole	0.01	2	40	0	0
phorate	whole	0.01	not set	40	–	0
phosmet	whole	0.01	0.05	40	0	0
piperonyl butoxide	whole	0.01	20	40	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
pirimicarb	whole	0.01	0.02	40	0	0
pirimiphos-methyl	whole	0.01	10	40	0	0
profenofos	whole	0.01	not set	40	–	0
propargite	whole	0.01	not set	40	–	0
prothiofos	whole	0.01	not set	40	–	0
pymetrozine	whole	0.01	not set	40	–	0
pyrethrins	whole	0.01	3	40	0	0
pyriproxyfen	whole	0.01	not set	40	–	0
spinetoram	whole	0.01	not set	40	–	0
spinosad	whole	0.01	1	40	0	0
spirotetramat	whole	0.01	not set	40	–	0
sulfoxaflor	whole	0.01	0.01	40	0	0
tau-fluvalinate	whole	0.01	not set	40	–	0
tebufenozide	whole	0.01	not set	40	–	0
tebufenpyrad	whole	0.01	not set	40	–	0
terbufos	whole	0.01	0.01	40	0	0
tetradifon	whole	0.01	not set	40	–	0
thiacloprid	whole	0.01	not set	40	–	0
thiamethoxam	whole	0.01	0.01	40	0	1
thiodicarb	whole	0.01	not set	40	–	0
triazofos	whole	0.01	not set	40	–	0
trichlorfon	whole	0.01	0.1	40	0	0
triflumuron	whole	0.01	0.05	40	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	40	0	0
chlordane	whole	0.01	0.02	40	0	0
DDT	whole	0.01	0.1	40	0	0
endosulfan	whole	0.01	not set	40	–	–
endrin	whole	0.01	not set	40	–	–
HCB (hexachlorobenzene)	whole	0.01	0.05	40	0	0
HCH (BHC)	whole	0.01	0.1	40	0	0
heptachlor	whole	0.01	0.02	40	0	0
lindane (gamma-HCH)	whole	0.01	0.5	40	0	0
mirex	whole	0.01	not set	40	–	–