Australian Government
Department of Agriculture and Water Resources

Wheat (durum) 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.

Disclaimer

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	43	0	0
benalaxyl	whole	0.01	not set	43	–	0
bitertanol	whole	0.01	not set	43	–	0
boscalid	whole	0.01	0.5	43	0	0
bupirimate	whole	0.01	not set	43	–	0
captafol	whole	0.02	not set	43	–	0
captan	whole	0.02	not set	43	–	0
carbendazim	whole	0.01	not set	43	–	0
chlorothalonil	whole	0.01	not set	43	–	0
cyproconazole	whole	0.01	0.02	43	0	0
cyprodinil	whole	0.01	not set	43	–	0
difenoconazole	whole	0.01	0.01	43	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	43	–	0
dithianon	whole	0.01	not set	43	–	0
dodine	whole	0.01	not set	43	–	0
epoxiconazole	whole	0.01	0.05	43	0	0
etridiazole	whole	0.01	not set	43	–	0
fenarimol	whole	0.01	not set	43	–	0
fenhexamid	whole	0.01	not set	43	–	0
fluazinam	whole	0.01	not set	43	–	0
fludioxonil	whole	0.01	not set	43	–	0
fluquinconazole	whole	0.01	0.02	43	0	0
flusilazole	whole	0.01	not set	43	–	0
flutriafol	whole	0.01	0.02	43	0	0
fluxapyroxad	whole	0.01	0.01	43	0	0
hexaconazole	whole	0.01	not set	43	–	0
imazalil	whole	0.01	not set	43	–	0
ipconazole	whole	0.01	0.01	43	0	0
iprodione	whole	0.01	not set	43	–	0
kresoxim–methyl	whole	0.01	not set	43	–	0
metalaxyl	whole	0.01	0.01	43	0	0
myclobutanil	whole	0.01	not set	43	–	0
oxadixyl	whole	0.01	not set	43	–	0
penconazole	whole	0.01	not set	43	–	0
prochloraz	whole	0.01	not set	43	–	0
procymidone	whole	0.01	not set	43	–	0
propiconazole	whole	0.01	0.05	43	0	0
prothioconazole	whole	0.01	0.3	43	0	0
pyraclostrobin	whole	0.01	0.01	43	0	0
pyrimethanil	whole	0.01	not set	43	–	0
quinoxyfen	whole	0.01	not set	6	–	0
spiroxamine	whole	0.01	not set	43	–	0
tebuconazole	whole	0.01	0.2	43	0	0
thiabendazole	whole	0.01	not set	43	–	0
tolclofos methyl	whole	0.01	not set	43	–	0
triadimefon	whole	0.01	0.5	43	0	0
triadimenol	whole	0.01	0.01	43	0	0
trifloxystrobin	whole	0.01	not set	43	–	0
triticonazole	whole	0.01	0.05	43	0	0
vinclozolin	whole	0.01	not set	43	–	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	43	0	0
2,4–D	whole	0.01	0.2	43	0	0
amitrole	whole	0.01	0.01	14	0	0
atrazine	whole	0.01	not set	43	–	0
bromacil	whole	0.01	not set	43	–	0
bromoxynil	whole	0.01	0.2	43	0	0
carfentrazone–ethyl	whole	0.01	0.05	43	0	0
chlorpropham	whole	0.01	not set	43	–	0
chlorsulfuron	whole	0.01	0.05	43	0	0
chlorthal–dimethyl	whole	0.01	not set	43	–	0
clethodim (parent only)	whole	0.01	0.1	43	0	0
clodinafop–propargyl	whole	0.01	0.05	43	0	0
clopyralid	whole	0.01	2	43	0	0
cyanazine	whole	0.01	0.01	43	0	0
dicamba	whole	0.01	0.05	43	0	0
dichlobenil	whole	0.01	not set	43	–	0
dichlorprop–P	whole	0.01	not set	43	–	0
diclofop–methyl	whole	0.01	0.1	14	0	0
diflufenican	whole	0.01	0.02	43	0	0
diquat	whole	0.01	2	14	0	0
diuron	whole	0.01	0.1	43	0	0
ethofumesate	whole	0.01	not set	43	–	0
fenoxaprop–ethyl	whole	0.01	0.01	14	0	0
flamprop–M–methyl	whole	0.01	0.05	14	0	0
fluazifop–p–butyl	whole	0.01	not set	14	–	0
flumetsulam	whole	0.01	0.05	43	0	0
glufosinate	whole	0.01	not set	14	–	0
glyphosate	whole	0.01	5	14	0	0
haloxyfop	whole	0.01	not set	14	–	0
imazamox	whole	0.01	not set	43	–	0
imazapic	whole	0.01	0.05	43	0	0
imazapyr	whole	0.01	0.05	43	0	0
imazaquin	whole	0.01	not set	43	–	0
imazethapyr	whole	0.01	not set	43	–	0
iodosulfuron–methyl	whole	0.01	0.01	43	0	0
ioxynil	whole	0.01	not set	43	–	0
isoxaben	whole	0.01	0.01	43	0	0
linuron	whole	0.01	0.05	43	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	43	0	0
methabenthiazuron	whole	0.01	not set	43	–	0
metolachlor	whole	0.01	0.02	43	0	0
metosulam	whole	0.01	0.02	43	0	0
metribuzin	whole	0.01	0.05	43	0	0
metsulfuron–methyl	whole	0.01	0.02	43	0	0
napropamide	whole	0.01	not set	43	–	0
norflurazon	whole	0.01	not set	43	–	0
oryzalin	whole	0.01	0.01	43	0	0
oxyfluorfen	whole	0.01	0.05	43	0	0
paraquat	whole	0.01	0.05	14	0	0
pendimethalin	whole	0.01	0.05	43	0	0
propachlor	whole	0.01	0.05	21	0	0
propyzamide	whole	0.01	not set	34	–	0
quizalofop–ethyl	whole	0.01	not set	14	–	0
quizalofop–P–tefuryl	whole	0.01	not set	14	–	0
saflufenacil	whole	0.01	0.03	34	0	0
sethoxydim	whole	0.01	0.1	43	0	0
simazine	whole	0.01	not set	43	–	0
tralkoxydim	whole	0.01	0.02	43	0	0
triasulfuron	whole	0.01	0.02	43	0	0
triclopyr	whole	0.01	not set	43	–	0
trifluralin	whole	0.01	0.05	43	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	43	–	0
acephate	whole	0.01	not set	43	–	0
acetamiprid	whole	0.01	not set	43	–	0
aldicarb	whole	0.01	not set	43	–	0
amitraz	whole	0.01	not set	43	–	0
azamethiphos	whole	0.01	0.1	43	0	0
azinphos–methyl	whole	0.01	not set	43	–	0
bifenazate	whole	0.01	not set	43	–	0
bifenthrin	whole	0.01	0.02	43	0	0
bioresmethrin	whole	0.01	not set	43	–	0
buprofezin	whole	0.01	not set	43	–	0
cadusafos	whole	0.01	not set	43	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
carbaryl	whole	0.01	5	43	0	0
carbofuran	whole	0.01	0.2	43	0	0
chlorantraniliprole	whole	0.01	0.01	43	0	0
chlorfenapyr	whole	0.01	not set	43	–	0
chlorfenvinphos	whole	0.01	0.05	43	0	0
chlorpyrifos	whole	0.01	0.1	43	0	0
chlorpyrifos–methyl	whole	0.01	10	43	0	0
clofentezine	whole	0.01	not set	43	–	0
clothianidin	whole	0.01	not set	43	–	0
cyfluthrin	whole	0.01	2	43	0	0
cyhalothrin	whole	0.01	0.05	43	0	0
cypermethrin	whole	0.01	0.2	43	0	0
deltamethrin	whole	0.01	2	43	0	0
diafenthiuron	whole	0.01	not set	43	–	0
diazinon	whole	0.01	0.1	43	0	0
dichlorvos	whole	0.01	0.01	43	0	0
dicofol	whole	0.01	not set	43	–	0
diflubenzuron	whole	0.01	2	43	0	0
dimethoate	whole	0.01	0.05	43	0	0
disulfoton	whole	0.01	not set	43	–	0
emamectin	whole	0.01	not set	43	–	0
endosulfan	whole	0.01	not set	43	–	0
esfenvalerate	whole	0.01	2	43	0	0
ethion	whole	0.01	not set	43	–	0
ethoprophos	whole	0.005	0.005	43	0	0
etoxazole	whole	0.01	not set	43	–	0
fenamiphos	whole	0.01	not set	43	–	0
fenbutatin oxide	whole	0.01	not set	43	–	0
fenitrothion	whole	0.01	10	43	0	0
fenoxycarb	whole	0.01	not set	43	–	0
fenpyroximate	whole	0.01	not set	43	–	0
fenthion	whole	0.01	not set	43	–	0
fenvalerate	whole	0.01	2	43	0	0
fipronil	whole	0.005	not set	43	–	0
hexythiazox	whole	0.01	not set	43	–	0
imidacloprid	whole	0.01	0.05	43	0	0
indoxacarb	whole	0.01	not set	43	–	0
malathion (maldison)	whole	0.01	8	43	0	0
methacrifos	whole	0.01	not set	43	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methamidophos	whole	0.01	not set	43	–	0
methidathion	whole	0.01	0.01	43	0	0
methiocarb	whole	0.01	not set	43	–	0
methomyl	whole	0.01	0.1	43	0	0
methoprene	whole	0.01	2	43	0	0
methoxychlor	whole	0.01	not set	43	–	0
methoxyfenozide	whole	0.01	not set	43	–	0
mevinphos	whole	0.01	not set	43	–	0
monocrotophos	whole	0.01	not set	43	–	0
omethoate	whole	0.01	0.05	43	0	0
parathion	whole	0.01	not set	43	–	0
parathion–methyl	whole	0.01	not set	43	–	0
permethrin	whole	0.01	2	43	0	0
phenothrin	whole	0.01	2	43	0	0
phorate	whole	0.01	not set	43	–	0
phosmet	whole	0.01	0.05	43	0	0
piperonyl butoxide	whole	0.01	20	43	0	0
pirimicarb	whole	0.01	0.02	43	0	0
pirimiphos–methyl	whole	0.01	10	43	0	0
profenofos	whole	0.01	not set	43	–	0
propargite	whole	0.01	not set	43	–	0
prothiofos	whole	0.01	not set	43	–	0
pymetrozine	whole	0.01	not set	43	–	0
pyrethrins	whole	0.01	3	43	0	0
pyriproxyfen	whole	0.01	not set	43	–	0
spinetoram	whole	0.01	not set	43	–	0
spinosad	whole	0.01	1	43	0	0
spirotetramat	whole	0.01	not set	43	–	0
sulfoxaflor	whole	0.01	0.01	43	0	0
tau–fluvalinate	whole	0.01	not set	43	–	0
tebufenozide	whole	0.01	not set	43	–	0
tebufenpyrad	whole	0.01	not set	43	–	0
terbufos	whole	0.01	0.01	43	0	0
tetradifon	whole	0.01	not set	43	–	0
thiacloprid	whole	0.01	not set	43	–	0
thiamethoxam	whole	0.01	0.01	43	0	0
thiodicarb	whole	0.01	not set	43	–	0
triazofos	whole	0.01	not set	43	–	0
trichlorfon	whole	0.01	0.1	43	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triflumuron	whole	0.01	0.05	43	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	43	0	0
chlordane	whole	0.01	0.02	43	0	0
DDT	whole	0.01	0.1	43	0	0
endrin	whole	0.01	not set	43	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	43	0	0
HCH (or BHC)	whole	0.01	0.1	43	0	0
heptachlor	whole	0.01	0.02	43	0	0
lindane (gamma–HCH)	whole	0.01	0.5	43	0	0
mirex	whole	0.01	not set	43	–	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	3	0	0