Australian Government
Department of Agriculture and Water Resources

Wheat 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.

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	0.1	3310	0	0
benalaxyl	whole	0.01	not set	3286	0	0
benomyl	whole	0.01	not set	108	0	0
bitertanol	whole	0.01	not set	3286	0	0
boscalid	whole	0.01	0.5	3286	0	0
bupirimate	whole	0.01	not set	3286	0	0
captafol	whole	0.02	not set	3310	0	0
captan	whole	0.02	not set	3310	0	0
carbendazim	whole	0.01	not set	3310	0	0
chlorothalonil	whole	0.01	not set	3310	0	0
cyproconazole	whole	0.01	0.02	3310	0	0
cyprodinil	whole	0.01	not set	3286	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	0.01	3310	0	1
dimethomorph	whole	0.01	not set	3286	0	0
dithianon	whole	0.01	not set	3286	0	0
dodine	whole	0.01	not set	3286	0	0
epoxiconazole	whole	0.01	0.05	3310	0	0
etridiazole	whole	0.01	not set	3310	0	0
fenarimol	whole	0.01	not set	3286	0	0
fenhexamid	whole	0.01	not set	3286	0	0
fluazinam	whole	0.01	not set	3286	0	0
fludioxonil	whole	0.01	not set	3286	0	0
fluquinconazole	whole	0.01	0.02	3310	0	0
flusilazole	whole	0.01	not set	3286	0	0
flutriafol	whole	0.01	0.02	3310	2	6
fluxapyroxad	whole	0.01	0.01	3310	0	0
hexaconazole	whole	0.01	not set	3310	0	0
imazalil	whole	0.01	not set	3286	0	0
ipconazole	whole	0.01	0.01	3310	0	0
iprodione	whole	0.01	not set	3310	0	0
kresoxim-methyl	whole	0.01	not set	3286	0	0
metalaxyl	whole	0.01	0.01	3286	0	0
myclobutanil	whole	0.01	not set	3286	0	0
oxadixyl	whole	0.01	not set	3286	0	0
penconazole	whole	0.01	not set	3310	0	0
prochloraz	whole	0.01	not set	3286	0	0
procymidone	whole	0.01	not set	3310	0	0
propiconazole	whole	0.01	0.05	3310	0	0
prothioconazole	whole	0.01	0.3	3310	0	0
pyraclostrobin	whole	0.01	0.01	3310	0	0
pyrimethanil	whole	0.01	not set	3286	0	0
spiroxamine	whole	0.01	not set	3286	0	0
tebuconazole	whole	0.01	0.2	3310	0	0
thiabendazole	whole	0.01	not set	3310	0	0
tolclofos methyl	whole	0.01	not set	3286	0	0
triadimefon	whole	0.01	0.5	3310	0	0
triadimenol	whole	0.01	0.01	3310	0	0
trifloxystrobin	whole	0.01	not set	3286	0	0
triticonazole	whole	0.01	0.05	3310	0	0
vinclozolin	whole	0.01	not set	3286	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	3286	0	0
2,4-D	whole	0.01	0.2	3310	0	0
amitrole	whole	0.01	0.01	638	0	0
atrazine	whole	0.01	not set	3310	0	0
bromacil	whole	0.01	not set	3286	0	0
bromoxynil	whole	0.01	0.2	3310	0	0
carfentrazone-ethyl	whole	0.01	0.05	3310	0	0
chlorpropham	whole	0.01	not set	3286	0	0
chlorsulfuron	whole	0.01	0.05	3310	0	0
chlorthal-dimethyl	whole	0.01	not set	3286	0	0
clethodim	whole	0.01	0.1	3310	0	0
clodinafop-propargyl	whole	0.01	0.05	3310	0	0
clopyralid	whole	0.01	2	3310	0	0
cyanazine	whole	0.01	0.01	3286	0	0
dicamba	whole	0.01	0.05	3310	0	0
dichlobenil	whole	0.01	not set	3286	0	0
dichlorprop-P	whole	0.01	not set	3286	0	0
diclofop-methyl	whole	0.01	0.1	638	0	0
diflufenican	whole	0.01	0.02	3310	0	0
diquat	whole	0.01	2	638	0	0
diuron	whole	0.01	0.1	3310	0	0
ethofumesate	whole	0.01	not set	3286	0	0
fenoxaprop-ethyl	whole	0.01	0.01	638	0	0
flamprop-M-methyl	whole	0.01	0.05	638	0	0
fluazifop-p-butyl	whole	0.01	not set	638	0	0
flumetsulam	whole	0.01	0.05	448	0	0
glufosinate	whole	0.01	not set	638	0	0
glyphosate	whole	0.01	5	638	0	0
haloxyfop	whole	0.01	not set	638	0	0
imazamox	whole	0.01	0.05	3310	0	0
imazapic	whole	0.01	0.05	3310	0	0
imazapyr	whole	0.01	0.05	3310	0	0
imazaquin	whole	0.01	not set	3310	0	0
imazethapyr	whole	0.01	not set	3310	0	0
iodosulfuron-methyl	whole	0.01	0.01	3310	0	0
ioxynil	whole	0.01	not set	3286	0	0
isoxaben	whole	0.01	0.01	3286	0	0
linuron	whole	0.01	0.05	3286	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	3310	0	0
methabenthiazuron	whole	0.01	not set	3286	0	0
metolachlor	whole	0.01	0.02	3310	0	0
metosulam	whole	0.01	0.02	3310	0	0
metribuzin	whole	0.01	0.05	3286	0	0
metsulfuron-methyl	whole	0.01	0.02	3310	0	0
napropamide	whole	0.01	not set	3286	0	0
norflurazon	whole	0.01	not set	3286	0	0
oryzalin	whole	0.01	0.01	3286	0	0
oxyfluorfen	whole	0.01	0.05	3286	0	0
paraquat	whole	0.01	0.05	638	0	0
pendimethalin	whole	0.01	0.05	3310	0	0
picloram	whole	0.01	0.2	3310	0	0
propachlor	whole	0.01	0.05	3286	0	0
quizalofop-ethyl	whole	0.01	not set	632	0	0
quizalofop-P-tefuryl	whole	0.01	not set	632	0	0
sethoxydim	whole	0.01	0.1	3310	0	0
simazine	whole	0.01	not set	3310	0	0
tralkoxydim	whole	0.01	0.02	3310	0	0
triasulfuron	whole	0.01	0.02	3310	0	0
triclopyr	whole	0.01	not set	3310	0	0
trifluralin	whole	0.01	0.05	3310	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	3286	0	0
acephate	whole	0.01	not set	3286	0	0
acetamiprid	whole	0.01	not set	3310	0	0
aldicarb	whole	0.01	not set	3286	0	0
amitraz	whole	0.01	not set	3310	0	0
azamethiphos	whole	0.01	0.1	3310	0	0
azinphos-methyl	whole	0.01	not set	3286	0	0
bifenazate	whole	0.01	not set	3286	0	0
bifenthrin	whole	0.01	0.02	3310	0	0
bioresmethrin	whole	0.01	not set	3310	0	0
buprofezin	whole	0.01	not set	3286	0	0
cadusafos	whole	0.01	not set	3286	0	0
carbaryl	whole	0.01	5	3310	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
carbofuran	whole	0.01	0.2	3286	0	0
chlorantraniliprole	whole	0.01	0.01	3286	0	0
chlorfenapyr	whole	0.01	not set	3310	0	0
chlorfenvinphos	whole	0.01	0.05	3310	0	0
chlorpyrifos	whole	0.01	0.1	3310	0	0
chlorpyrifos-methyl	whole	0.01	10	3310	0	0
clofentezine	whole	0.01	not set	3286	0	0
clothianidin	whole	0.01	not set	3286	0	0
cyfluthrin	whole	0.01	2	3310	0	0
cyhalothrin	whole	0.01	0.05	3310	0	0
cypermethrin	whole	0.01	0.2	3310	0	0
deltamethrin	whole	0.01	2	3310	0	0
diafenthiuron	whole	0.01	not set	3310	0	0
diazinon	whole	0.01	0.1	3310	0	0
dichlorvos	whole	0.01	5	3310	0	0
dicofol	whole	0.01	not set	3310	0	0
diflubenzuron	whole	0.01	2	3310	0	0
dimethoate	whole	0.01	0.05	3310	0	0
disulfoton	whole	0.01	not set	3286	0	0
emamectin	whole	0.01	not set	3310	0	0
endosulfan	whole	0.01	not set	3310	0	0
esfenvalerate	whole	0.01	2	3310	0	0
ethion	whole	0.01	not set	3310	0	0
ethoprophos	whole	0.005	0.005	3310	0	0
etoxazole	whole	0.01	not set	3286	0	0
fenamiphos	whole	0.01	not set	3286	0	0
fenbutatin oxide	whole	0.01	not set	3286	0	0
fenitrothion	whole	0.01	10	3310	0	0
fenoxycarb	whole	0.01	not set	3286	0	0
fenpyroximate	whole	0.01	not set	3286	0	0
fenthion	whole	0.01	not set	3286	0	0
fenvalerate	whole	0.01	2	3310	0	0
fipronil	whole	0.005	not set	3310	0	0
hexythiazox	whole	0.01	not set	3286	0	0
imidacloprid	whole	0.01	0.05	3310	0	1
indoxacarb	whole	0.01	not set	3310	0	0
malathion (maldison)	whole	0.01	8	3310	0	0
methacrifos	whole	0.01	not set	3310	0	0
methamidophos	whole	0.01	not set	3286	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methidathion	whole	0.01	0.01	3310	0	0
methiocarb	whole	0.01	not set	3286	0	0
methomyl	whole	0.01	0.1	3310	0	0
methoprene	whole	0.01	2	3310	0	0
methoxychlor	whole	0.01	not set	3310	0	0
methoxyfenozide	whole	0.01	not set	3286	0	0
mevinphos	whole	0.01	not set	3286	0	0
monocrotophos	whole	0.01	not set	3286	0	0
omethoate	whole	0.01	0.05	3310	0	0
parathion	whole	0.01	not set	3286	0	0
parathion-methyl	whole	0.01	not set	3286	0	0
permethrin	whole	0.01	2	3310	0	0
phenothrin	whole	0.01	2	3310	0	0
phorate	whole	0.01	not set	3286	0	0
phosmet	whole	0.01	0.05	3310	0	0
piperonyl butoxide	whole	0.01	20	3310	0	0
pirimicarb	whole	0.01	0.02	3310	0	0
pirimiphos-methyl	whole	0.01	10	3310	0	0
profenofos	whole	0.01	not set	3310	0	0
propargite	whole	0.01	not set	3286	0	0
prothiofos	whole	0.01	not set	3286	0	0
pymetrozine	whole	0.01	not set	3286	0	0
pyrethrins	whole	0.01	3	3286	0	0
pyriproxyfen	whole	0.01	not set	3310	0	0
spinetoram	whole	0.01	not set	3286	0	0
spinosad	whole	0.01	1	3310	5	0
spirotetramat	whole	0.01	not set	3286	0	0
sulfoxaflor	whole	0.01	0.01	1791	0	0
tau-fluvalinate	whole	0.01	not set	3286	0	0
tebufenozide	whole	0.01	not set	3286	0	0
tebufenpyrad	whole	0.01	not set	3286	0	0
terbufos	whole	0.01	0.01	3310	0	0
tetradifon	whole	0.01	not set	3286	0	0
thiacloprid	whole	0.01	not set	3286	0	0
thiamethoxam	whole	0.01	0.01	3286	0	0
thiodicarb	whole	0.01	not set	3310	0	0
triazofos	whole	0.01	not set	3286	0	0
trichlorfon	whole	0.01	0.1	3310	0	0
triflumuron	whole	0.01	0.05	3310	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	3310	0	0
arsenic	whole	0.05	1	131	0	0
cadmium	whole	0.01	0.1	131	4	0
chlordane	whole	0.01	0.02	3310	0	0
copper	whole	0.05	no limit	131	0	0
DDT	whole	0.01	0.1	3310	0	0
endrin	whole	0.01	not set	3310	0	0
HCB (hexachlorobenzene)	whole	0.01	0.05	3310	0	0
HCH (or BHC)	whole	0.01	0.1	3310	0	0
heptachlor	whole	0.01	0.02	3310	0	0
lead	whole	0.01	0.2	131	0	1
lindane (gamma-HCH)	whole	0.01	0.5	3310	0	0
mercury	whole	0.01	no limit	131	0	0
mirex	whole	0.01	not set	3310	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	315	2	0