



Oat residue testing annual datasets 2017–18

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	0.1	240	0	0
benalaxyl	whole	0.01	not set	240	–	0
bitertanol	whole	0.01	not set	240	–	0
boscalid	whole	0.01	0.5	240	0	0
bupirimate	whole	0.01	not set	240	–	0
captafol	whole	0.02	not set	240	–	0
captan	whole	0.01	not set	240	–	0
carbendazim	whole	0.01	not set	240	–	0
chlorothalonil	whole	0.01	not set	240	–	0
cyproconazole	whole	0.01	not set	240	–	0
cyprodinil	whole	0.01	not set	240	–	0
difenoconazole	whole	0.01	0.01	240	0	0

Oat residue testing annual datasets 2017–18

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	240	–	0
dithianon	whole	0.01	not set	240	–	0
dodine	whole	0.01	not set	240	–	0
epoxiconazole	whole	0.01	0.05	240	0	0
etridiazole	whole	0.01	not set	240	–	0
fenarimol	whole	0.01	not set	240	–	0
fenhexamid	whole	0.01	not set	240	–	0
fluazinam	whole	0.01	not set	240	–	0
fludioxonil	whole	0.01	not set	240	–	0
fluquinconazole	whole	0.01	not set	240	–	0
flusilazole	whole	0.01	not set	240	–	0
flutriafol	whole	0.01	0.1	240	0	0
fluxapyroxad	whole	0.01	0.1	240	0	0
hexaconazole	whole	0.01	not set	240	–	0
imazalil	whole	0.01	not set	240	–	0
ipconazole	whole	0.01	0.01	240	0	0
iprodione	whole	0.01	not set	240	–	0
kresoxim-methyl	whole	0.01	not set	240	–	0
metalaxyl	whole	0.01	0.01	240	0	0
myclobutanil	whole	0.01	not set	240	–	0
oxadixyl	whole	0.01	not set	240	–	0
penconazole	whole	0.01	not set	240	–	0
prochloraz	whole	0.01	not set	240	–	0
procymidone	whole	0.01	not set	240	–	0
propiconazole	whole	0.01	0.05	240	0	0
prothioconazole	whole	0.01	0.3	240	0	0
pyraclostrobin	whole	0.01	0.01	240	0	0
pyrimethanil	whole	0.01	not set	240	–	0
quinoxifen	whole	0.01	not set	240	–	0
spiroxamine-P	whole	0.01	not set	240	–	0
tebuconazole	whole	0.01	0.2	240	0	0
thiabendazole-P	whole	0.01	not set	240	–	0
tolclofos methyl	whole	0.01	not set	240	–	0
triadimefon	whole	0.01	0.5	240	0	1
triadimenol	whole	0.01	0.01	240	0	0
trifloxystrobin	whole	0.01	not set	240	–	0
triticonazole	whole	0.01	0.05	240	0	0
vinclozolin	whole	0.01	not set	240	–	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	240	0	0
2,4-D	whole	0.01	0.2	240	0	0
amitrole	whole	0.01	0.01	84	0	0
atrazine	whole	0.01	not set	240	–	0
bromacil	whole	0.01	not set	240	–	0
bromoxynil	whole	0.01	0.2	240	0	0
carfentrazone-ethyl	whole	0.01	0.05	240	0	0
chlorpropham	whole	0.01	not set	240	–	0
chlorsulfuron	whole	0.01	0.05	240	0	0
chlorthal-dimethyl	whole	0.01	not set	240	–	0
clethodim (parent only)	whole	0.01	not set	240	–	0
clodinafop-propargyl	whole	0.01	not set	240	–	0
clopyralid	whole	0.01	2	240	0	0
cyanazine	whole	0.01	0.01	240	0	0
dicamba	whole	0.01	0.05	240	0	0
dichlobenil	whole	0.01	not set	240	–	0
dichlorprop-P	whole	0.01	not set	240	–	0
diclofop-methyl	whole	0.01	0.1	84	0	0
diflufenican	whole	0.01	0.05	240	0	0
diquat	whole	0.01	5	84	0	0
diuron	whole	0.01	0.1	240	0	0
ethofumesate	whole	0.01	not set	240	–	0
fenoxaprop-ethyl	whole	0.01	not set	84	–	0
flamprop-M-methyl	whole	0.01	not set	84	–	0
fluazifop-p-butyl	whole	0.01	not set	84	–	0
flumetsulam	whole	0.01	0.05	240	0	0
glufosinate	whole	0.01	not set	84	–	0
glyphosate	whole	0.01	0.1	84	0	0
haloxyfop	whole	0.01	not set	84	–	0
imazamox	whole	0.01	not set	240	–	0
imazapic	whole	0.01	not set	240	–	0
imazapyr	whole	0.01	not set	240	–	0
imazaquin	whole	0.01	not set	240	–	0
imazethapyr	whole	0.01	not set	240	–	0
iodosulfuron-methyl	whole	0.01	not set	240	–	0
ioxynil	whole	0.01	not set	240	–	0
isoxaben	whole	0.01	not set	240	–	0
linuron	whole	0.01	0.05	240	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	240	0	0
methabenzthiazuron	whole	0.01	not set	240	–	0
metolachlor	whole	0.01	0.02	240	0	0
metosulam	whole	0.01	0.02	240	0	0
metribuzin	whole	0.01	0.05	240	0	0
metsulfuron-methyl	whole	0.01	0.02	240	0	0
napropamide	whole	0.01	not set	240	–	0
norflurazon	whole	0.01	not set	240	–	0
oryzalin	whole	0.01	0.01	240	0	0
oxyfluorfen	whole	0.01	0.05	240	0	0
paraquat	whole	0.01	0.05	84	0	0
pendimethalin	whole	0.01	not set	240	–	0
picloram	whole	0.01	0.2	240	0	0
propachlor	whole	0.01	0.05	240	0	0
propyzamide	whole	0.01	not set	240	–	0
quizalofop-ethyl	whole	0.01	not set	84	–	0
quizalofop-P-tefuryl	whole	0.01	not set	84	–	0
saflufenacil	whole	0.01	0.2	240	0	0
sethoxydim	whole	0.01	not set	240	–	0
simazine	whole	0.01	not set	240	–	0
tralkoxydim	whole	0.01	0.02	240	0	0
triasulfuron	whole	0.01	0.02	240	0	0
triclopyr	whole	0.01	not set	240	–	0
trifluralin	whole	0.01	0.05	240	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	240	–	0
emamectin	whole	0.01	not set	240	–	0
acephate	whole	0.01	not set	240	–	0
acetamiprid-P	whole	0.01	not set	240	–	0
aldicarb	whole	0.01	not set	240	–	0
amitraz	whole	0.01	not set	240	–	0
azamethiphos	whole	0.01	0.1	240	0	0
azinphos-methyl	whole	0.01	not set	240	–	0
bifenazate	whole	0.01	not set	240	–	0
bifenthrin	whole	0.01	0.02	240	0	0
bioresmethrin	whole	0.01	not set	240	–	0

Oat residue testing annual datasets 2017–18

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
buprofezin	whole	0.01	not set	240	–	0
cadusafos	whole	0.01	not set	240	–	0
carbaryl	whole	0.01	5	240	0	0
carbofuran	whole	0.01	not set	240	–	0
chlorantraniliprole	whole	0.01	0.01	240	0	0
chlorfenapyr	whole	0.01	not set	240	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	240	–	0
chlorpyrifos	whole	0.01	0.1	240	1	0
chlorpyrifos-methyl	whole	0.01	10	240	0	0
clofentezine	whole	0.01	not set	240	–	0
clothianidin	whole	0.01	not set	240	–	0
cyfluthrin (sum of isomers)	whole	0.01	2	240	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.01	240	0	0
cypermethrin (sum of isomers)	whole	0.01	1	240	0	0
deltamethrin	whole	0.01	2	240	0	0
diafenthiuron	whole	0.01	not set	240	–	0
diazinon	whole	0.01	0.1	240	0	0
dichlorvos	whole	0.01	0.01	240	0	0
dicofol	whole	0.01	not set	240	–	0
diflubenzuron	whole	0.01	not set	240	–	0
dimethoate	whole	0.01	0.05	240	0	0
disulfoton	whole	0.01	not set	240	–	0
esfenvalerate	whole	0.01	2	240	0	0
ethion	whole	0.01	not set	240	–	0
ethoprophos	whole	0.005	0.005	240	0	0
etoxazole	whole	0.01	not set	240	–	0
fenamiphos	whole	0.01	not set	240	–	0
fenbutatin oxide	whole	0.01	not set	240	–	0
fenitrothion	whole	0.01	10	240	0	0
fenoxycarb	whole	0.01	not set	240	–	0
fenpyroximate	whole	0.01	not set	240	–	0
fenthion	whole	0.01	not set	240	–	0
fenvalerate (sum of isomers)	whole	0.01	2	240	0	0
flupyrifamid	whole	0.002	not set	240	–	1
hexythiazox	whole	0.01	not set	240	–	0
imidacloprid	whole	0.01	0.05	240	0	0

Oat residue testing annual datasets 2017–18

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	not set	240	–	0
malathion (maldison)	whole	0.01	8	240	0	0
methacrifos	whole	0.01	not set	240	–	0
methamidophos	whole	0.01	not set	240	–	0
methidathion	whole	0.01	0.01	240	0	0
methiocarb	whole	0.01	not set	240	–	0
methomyl	whole	0.01	0.1	240	0	0
methoprene	whole	0.01	2	240	0	0
methoxychlor	whole	0.01	not set	240	–	0
methoxyfenozide	whole	0.01	not set	240	–	0
mevinphos	whole	0.01	not set	240	–	0
monocrotophos	whole	0.01	not set	240	–	0
omethoate	whole	0.01	0.05	240	0	0
parathion	whole	0.01	not set	240	–	0
parathion-methyl	whole	0.01	not set	240	–	0
permethrin (sum of isomers)	whole	0.01	2	240	0	0
phenothrin (sum of isomers)	whole	0.01	not set	240	–	0
phorate	whole	0.01	not set	240	–	0
phosmet	whole	0.01	0.05	240	0	0
piperonyl butoxide	whole	0.01	20	240	0	0
pirimicarb	whole	0.01	0.02	240	0	0
pirimiphos-methyl	whole	0.01	7	240	0	0
profenofos	whole	0.01	not set	240	–	0
propargite	whole	0.01	not set	240	–	0
prothiofos	whole	0.01	not set	240	–	0
pymetrozine	whole	0.01	not set	240	–	0
pyrethrins	whole	0.01	3	240	0	0
pyriproxyfen	whole	0.01	not set	240	–	0
spinetoram	whole	0.01	not set	240	–	0
spinosad	whole	0.01	1	240	0	0
spirotetramat	whole	0.01	not set	240	–	0
sulfoxaflor	whole	0.01	0.01	240	0	0
tau-fluvalinate	whole	0.01	not set	240	–	0
tebufenozide	whole	0.01	not set	240	–	0
tebufenpyrad	whole	0.01	not set	240	–	0
terbufos	whole	0.01	0.01	240	0	0
tetradifon	whole	0.01	not set	240	–	0
thiacloprid	whole	0.01	not set	240	–	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	240	0	0
thiodicarb	whole	0.01	not set	240	–	0
triazofos	whole	0.01	not set	240	–	0
trichlorfon	whole	0.01	0.1	240	0	0
triflumuron	whole	0.01	0.05	240	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	240	0	0
chlordane	whole	0.01	0.02	240	0	0
DDT	whole	0.01	0.1	240	0	0
endosulfan	whole	0.01	not set	240	–	0
endrin	whole	0.01	not set	240	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	240	0	0
HCH (BHC)	whole	0.01	0.1	240	0	0
heptachlor	whole	0.01	0.02	240	0	0
lindane (gamma-HCH)	whole	0.01	0.5	240	0	0
mirex	whole	0.01	not set	240	–	0