



# Oat 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.

## Disclaimer

Although the Australian Government has exercised due care and skill in the preparation and compilation of this publication, it does not warrant its accuracy, completeness, currency or suitability for any purpose. To the maximum extent permitted by law, the Australian Government disclaims all liability, including liability in negligence for any loss, damage, cost or expense incurred by persons as a result of accessing, using or relying on any of the information or data set out in this publication. Before relying on the material in any matters, users should carefully evaluate its accuracy, currency, completeness and relevance for the purposes intended, and should obtain any appropriate professional advice relevant to their particular circumstances.

**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	236	0	0
benalaxyl	whole	0.01	not set	236	–	0
bitertanol	whole	0.01	not set	236	–	0
bixafen-P	whole	0.01	0.01	114	0	0
boscalid	whole	0.01	0.5	236	0	0
bupirimate	whole	0.01	not set	236	–	0
captafol	whole	0.02	not set	236	–	0
captan	whole	0.01	not set	236	–	0
carbendazim	whole	0.01	not set	236	–	0
carboxin	whole	0.01	0.1	114	0	0
chlorothalonil	whole	0.01	not set	236	–	0
cyproconazole	whole	0.01	not set	236	–	0

## Oat residue testing annual datasets 2018–19

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyprodinil	whole	0.01	not set	236	–	0
difenoconazole	whole	0.01	0.01	236	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	236	–	0
dithianon	whole	0.01	not set	236	–	0
dodine	whole	0.01	not set	236	–	0
epoxiconazole	whole	0.01	0.05	236	0	0
etridiazole	whole	0.01	not set	236	–	0
fenarimol	whole	0.01	not set	236	–	0
fenbuconazole	whole	0.01	not set	114	–	0
fenhexamid	whole	0.01	not set	236	–	0
fluazinam	whole	0.01	not set	236	–	0
fludioxonil	whole	0.01	not set	236	–	0
fluquinconazole	whole	0.01	not set	236	–	0
flusilazole	whole	0.01	not set	236	–	0
flutriafol	whole	0.01	0.1	236	0	0
fluxapyroxad	whole	0.01	0.1	236	0	0
hexaconazole	whole	0.01	not set	236	–	0
imazalil	whole	0.01	not set	236	–	0
ipconazole	whole	0.01	0.01	236	0	0
iprodione	whole	0.01	not set	236	–	0
isoprothiolane	whole	0.01	not set	114	–	0
kresoxim-methyl	whole	0.01	not set	236	–	0
metalaxyl	whole	0.01	0.01	236	0	0
myclobutanil	whole	0.01	not set	236	–	0
oxadixyl	whole	0.01	not set	236	–	0
penconazole	whole	0.01	not set	236	–	0
penflufen	whole	0.01	0.01	114	0	0
prochloraz	whole	0.01	not set	236	–	0
procymidone	whole	0.01	not set	236	–	0
propiconazole	whole	0.01	0.05	236	0	0
prothioconazole	whole	0.01	0.3	236	0	0
pyraclostrobin	whole	0.01	0.01	236	0	0
pyrimethanil	whole	0.01	not set	236	–	0
quinoxifen	whole	0.01	not set	236	–	0
sedaxane	whole	0.01	0.01	114	0	0
spiroxamine-P	whole	0.01	not set	236	–	0
tebuconazole	whole	0.01	0.2	236	0	0
thiabendazole-P	whole	0.01	not set	236	–	0
tolclofos methyl	whole	0.01	not set	236	–	0

Oat residue testing annual datasets 2018–19

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triadimefon	whole	0.01	0.5	236	0	0
triadimenol	whole	0.01	0.01	236	0	0
trifloxystrobin	whole	0.01	not set	236	–	0
triticonazole	whole	0.01	0.05	236	0	0
vinclozolin	whole	0.01	not set	236	–	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	236	0	0
2,4-D	whole	0.01	0.2	236	0	0
2,4-DB	whole	0.01	0.02	114	0	0
aminopyralid	whole	0.01	0.1	114	0	0
amitrole	whole	0.01	0.01	81	0	0
atrazine	whole	0.01	not set	236	–	0
bentazone	whole	0.01	not set	114	–	0
bromacil	whole	0.01	not set	236	–	0
bromoxynil	whole	0.01	0.2	236	0	0
butoxydim	whole	0.01	not set	114	–	0
carfentrazone-ethyl	whole	0.01	0.05	236	0	0
chlorpropham	whole	0.01	not set	236	–	0
chlorsulfuron	whole	0.01	0.05	236	0	0
chlorthal-dimethyl	whole	0.01	not set	236	–	0
clethodim (parent only)	whole	0.01	not set	236	–	0
clodinafop-propargyl	whole	0.01	not set	236	–	0
clopyralid	whole	0.01	2	236	0	0
cyanazine	whole	0.01	0.01	236	0	0
dicamba	whole	0.01	0.05	236	0	0
dichlobenil	whole	0.01	not set	236	–	0
dichlorprop-P	whole	0.02	not set	202	–	0
diclofop-methyl	whole	0.01	0.1	81	0	0
diflufenican	whole	0.01	0.05	236	0	0
diquat	whole	0.01	5	81	0	0
diuron	whole	0.01	0.1	236	0	0
ethofumesate	whole	0.01	not set	236	–	0
fenoxaprop-ethyl	whole	0.01	not set	81	–	0
flamprop-M-methyl	whole	0.01	not set	81	–	0
fluazifop-p-butyl	whole	0.01	not set	81	–	0
flumetsulam	whole	0.01	0.05	236	0	0

## Oat residue testing annual datasets 2018–19

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
flumioxazin	whole	0.01	0.05	114	0	0
fluroxypyr	whole	0.01	0.2	114	0	0
glufosinate	whole	0.01	not set	81	–	0
glyphosate	whole	0.01	0.1	81	0	1
haloxyfop	whole	0.01	not set	81	–	0
imazamox	whole	0.01	not set	236	–	0
imazapic	whole	0.01	not set	236	–	0
imazapyr	whole	0.01	not set	236	–	0
imazaquin	whole	0.01	not set	236	–	0
imazethapyr	whole	0.01	not set	236	–	0
iodosulfuron-methyl	whole	0.01	not set	236	–	0
ioxynil	whole	0.01	not set	236	–	0
isoxaben	whole	0.01	not set	236	–	0
linuron	whole	0.01	0.05	236	0	0
MCPA	whole	0.01	0.02	236	0	0
methabenzthiazuron	whole	0.01	not set	236	–	0
metolachlor	whole	0.01	0.02	236	0	0
metosulam	whole	0.01	0.02	236	0	0
metribuzin	whole	0.01	0.05	236	0	0
metsulfuron-methyl	whole	0.01	0.02	236	0	0
napropamide	whole	0.01	not set	236	–	0
norflurazon	whole	0.01	not set	236	–	0
oryzalin	whole	0.01	0.01	236	0	0
oxyfluorfen	whole	0.01	0.05	236	0	0
paraquat	whole	0.01	0.05	81	0	0
pendimethalin	whole	0.01	not set	236	–	0
picloram	whole	0.01	0.2	236	0	0
propachlor	whole	0.01	0.05	236	0	0
propaquizafop	whole	0.02	not set	16	–	0
propyzamide	whole	0.01	not set	236	–	0
quizalofop-ethyl	whole	0.01	not set	81	–	0
quizalofop-P-tefuryl	whole	0.01	not set	81	–	0
saflufenacil	whole	0.01	0.2	236	0	0
sethoxydim	whole	0.01	not set	236	–	0
simazine	whole	0.01	not set	236	–	0
terbutryn	whole	0.01	0.1	114	0	0
tralkoxydim	whole	0.01	0.02	236	0	0
triallate	whole	0.01	0.05	114	0	0
triasulfuron	whole	0.01	0.02	236	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triclopyr	whole	0.01	not set	236	–	0
trifluralin	whole	0.01	0.05	236	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	236	–	0
emamectin	whole	0.01	not set	236	–	0
acephate	whole	0.01	not set	236	–	0
acetamiprid-P	whole	0.01	not set	236	–	0
aldicarb	whole	0.01	not set	236	–	0
amitraz	whole	0.01	not set	236	–	0
azamethiphos	whole	0.01	0.1	236	0	0
azinphos-methyl	whole	0.01	not set	236	–	0
bifenazate	whole	0.01	not set	236	–	0
bifenthrin	whole	0.01	0.02	236	0	0
bioresmethrin	whole	0.01	not set	236	–	0
buprofezin	whole	0.01	not set	236	–	0
cadusafos	whole	0.01	not set	236	–	0
carbaryl	whole	0.01	5	236	0	0
carbofuran	whole	0.01	not set	236	–	0
chlorantraniliprole	whole	0.01	0.01	236	0	0
chlorfenapyr	whole	0.01	not set	236	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	236	–	0
chlorpyrifos	whole	0.01	0.1	236	0	0
chlorpyrifos-methyl	whole	0.01	10	236	0	0
clofentezine	whole	0.01	not set	236	–	0
clothianidin	whole	0.01	0.02	236	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	236	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.01	236	0	0
cypermethrin (sum of isomers)	whole	0.01	1	236	0	0
deltamethrin	whole	0.01	2	236	0	0
diafenthiuron	whole	0.01	not set	236	–	0
diazinon	whole	0.01	0.1	236	0	0
dichlorvos	whole	0.01	0.01	236	0	0
dicofol	whole	0.01	not set	236	–	0
diflubenzuron	whole	0.01	not set	236	–	0

## Oat residue testing annual datasets 2018–19

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethoate	whole	0.01	0.05	236	0	0
disulfoton	whole	0.01	not set	236	–	0
esfenvalerate	whole	0.01	2	236	0	0
ethion	whole	0.01	not set	236	–	0
ethoprophos	whole	0.005	0.005	236	0	0
etoxazole	whole	0.01	not set	236	–	0
fenamiphos	whole	0.01	not set	236	–	0
fenbutatin oxide	whole	0.01	not set	236	–	0
fenitrothion	whole	0.01	10	236	0	0
fenoxycarb	whole	0.01	not set	236	–	0
fenpyroximate	whole	0.01	not set	236	–	0
fenthion	whole	0.01	not set	236	–	0
fenvalerate (sum of isomers)	whole	0.01	2	236	0	0
fipronil	whole	0.002	not set	236	–	0
hexythiazox	whole	0.01	not set	236	–	0
imidacloprid	whole	0.01	0.05	236	0	0
indoxacarb	whole	0.01	not set	236	–	0
malathion (maldison)	whole	0.01	8	236	0	0
methacrifos	whole	0.01	not set	236	–	0
methamidophos	whole	0.01	not set	236	–	0
methidathion	whole	0.01	0.01	236	0	0
methiocarb	whole	0.01	not set	236	–	0
methomyl	whole	0.01	0.1	236	0	0
methoprene	whole	0.01	2	236	0	0
methoxychlor	whole	0.01	not set	236	–	0
methoxyfenozide	whole	0.01	not set	236	–	0
mevinphos	whole	0.01	not set	236	–	0
monocrotophos	whole	0.01	not set	236	–	0
omethoate	whole	0.01	0.05	236	0	0
parathion	whole	0.01	not set	236	–	0
parathion-methyl	whole	0.01	not set	236	–	0
permethrin (sum of isomers)	whole	0.01	2	236	0	0
phenothrin (sum of isomers)	whole	0.01	not set	236	–	0
phorate	whole	0.01	not set	236	–	0
phosmet	whole	0.01	0.05	236	0	0
piperonyl butoxide	whole	0.01	20	236	0	0
pirimicarb	whole	0.01	0.02	236	0	0
pirimiphos-methyl	whole	0.01	7	236	0	0

## Oat residue testing annual datasets 2018–19

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
profenofos	whole	0.01	not set	236	–	0
propargite	whole	0.01	not set	236	–	0
prothiofos	whole	0.01	not set	236	–	0
pymetrozine	whole	0.01	not set	236	–	0
pyrethrins	whole	0.01	3	236	0	0
pyriproxyfen	whole	0.01	not set	236	–	0
spinetoram	whole	0.01	not set	236	–	0
spinosad	whole	0.01	1	236	0	0
spirotetramat	whole	0.01	not set	236	–	0
sulfoxaflor	whole	0.01	0.01	236	0	0
tau-fluvalinate	whole	0.01	not set	236	–	0
tebufenozide	whole	0.01	not set	236	–	0
tebufenpyrad	whole	0.01	not set	236	–	0
terbufos	whole	0.01	0.01	236	0	0
tetradifon	whole	0.01	not set	236	–	0
thiacloprid	whole	0.01	not set	236	–	0
thiamethoxam	whole	0.01	0.01	236	0	0
thiodicarb	whole	0.01	not set	236	–	0
triazofos	whole	0.01	not set	236	–	0
trichlorfon	whole	0.01	0.1	236	0	0
triflumuron	whole	0.01	0.05	236	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	236	0	0
chlordane	whole	0.01	0.02	236	0	0
DDT	whole	0.01	0.1	236	0	0
endosulfan	whole	0.01	not set	236	–	0
endrin	whole	0.01	not set	236	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	236	0	0
HCH (BHC)	whole	0.01	0.1	236	0	0
heptachlor	whole	0.01	0.02	236	0	0
lindane (gamma-HCH)	whole	0.01	0.5	236	0	0
mirex	whole	0.01	not set	236	–	0