



Oat residue testing annual datasets 2019–20

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	0.1	179	0	0
benalaxyl	whole	0.01	not set	179	–	0
bitertanol	whole	0.01	not set	179	–	0
bixafen	whole	0.01	0.01	179	0	0
boscalid	whole	0.01	0.5	179	0	0
bupirimate	whole	0.01	not set	179	–	0
captafol	whole	0.02	not set	179	–	0
captan	whole	0.01	not set	179	–	0
carbendazim	whole	0.01	not set	179	–	0
carboxin	whole	0.01	0.1	179	0	0
chlorothalonil	whole	0.01	not set	179	–	0

Oat residue testing annual datasets 2019–20

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyproconazole	whole	0.01	0.05	179	0	0
cyprodinil	whole	0.01	not set	179	–	0
difenoconazole	whole	0.01	0.01	179	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	179	–	0
dithianon	whole	0.01	not set	179	–	0
dodine	whole	0.01	not set	179	–	0
epoxiconazole	whole	0.01	0.05	179	0	0
etridiazole	whole	0.01	not set	179	–	0
fenarimol	whole	0.01	not set	179	–	0
fenbuconazole	whole	0.01	not set	179	–	0
fenhexamid	whole	0.01	not set	179	–	0
fluazinam	whole	0.01	not set	179	–	0
fludioxonil	whole	0.01	not set	179	–	0
fluquinconazole	whole	0.01	not set	179	–	0
flusilazole	whole	0.01	not set	179	–	0
flutriafol	whole	0.01	0.1	179	0	1
fluxapyroxad	whole	0.01	0.1	179	0	0
hexaconazole	whole	0.01	not set	179	–	0
imazalil	whole	0.01	not set	179	–	0
ipconazole	whole	0.01	0.01	179	0	0
iprodione	whole	0.01	not set	179	–	0
isoprothiolane	whole	0.01	not set	179	–	0
kresoxim-methyl	whole	0.01	not set	179	–	0
metalaxyl	whole	0.01	0.01	179	0	0
myclobutanil	whole	0.01	not set	179	–	0
oxadixyl	whole	0.01	not set	179	–	0
penconazole	whole	0.01	not set	179	–	0
penflufen	whole	0.01	0.01	179	0	0
prochloraz	whole	0.01	not set	179	–	0
procymidone	whole	0.01	not set	179	–	0
propiconazole	whole	0.01	0.05	179	0	0
prothioconazole	whole	0.01	0.3	179	0	0
pyraclostrobin	whole	0.01	0.01	179	0	0
pyrimethanil	whole	0.01	not set	179	–	0
quinoxifen	whole	0.01	not set	179	–	0
sedaxane	whole	0.01	0.01	179	0	0
spiroxamine	whole	0.01	not set	179	–	0
tebuconazole	whole	0.01	0.2	179	0	0
thiabendazole	whole	0.01	not set	179	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tolclofos methyl	whole	0.01	not set	179	–	0
triadimefon	whole	0.01	0.5	179	0	0
triadimenol	whole	0.01	0.01	179	0	0
trifloxystrobin	whole	0.01	not set	179	–	0
triticonazole	whole	0.01	0.05	179	0	0
vinclozolin	whole	0.01	not set	179	–	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	179	0	0
2,4-D	whole	0.01	0.2	179	0	0
2,4-DB	whole	0.01	0.02	179	0	0
aminopyralid	whole	0.01	0.1	179	0	0
amitrole	whole	0.01	0.01	55	0	0
atrazine	whole	0.01	not set	179	–	0
bentazone	whole	0.01	not set	179	–	0
bromacil	whole	0.01	not set	179	–	0
bromoxynil	whole	0.01	0.2	179	0	0
butroxydim	whole	0.01	not set	179	–	0
carfentrazone-ethyl	whole	0.01	0.05	179	0	0
chlormequat	whole	0.01	not set	55	–	0
chlorpropham	whole	0.01	not set	179	–	0
chlorsulfuron	whole	0.01	0.05	179	0	0
chlorthal-dimethyl	whole	0.01	not set	179	–	0
clethodim (parent only)	whole	0.01	not set	179	–	0
clodinafop-propargyl	whole	0.01	not set	179	–	0
clopyralid	whole	0.01	2	179	0	0
cyanazine	whole	0.01	0.01	179	0	0
dicamba	whole	0.01	0.05	179	0	0
dichlobenil	whole	0.01	not set	179	–	0
dichlorprop-P	whole	0.01	not set	55	–	0
diclofop-methyl	whole	0.01	0.1	55	0	0
diflufenican	whole	0.01	0.05	179	0	0
diquat	whole	0.01	5	55	0	0
diuron	whole	0.01	0.1	179	0	0
ethofumesate	whole	0.01	not set	179	–	0
fenoxaprop-ethyl	whole	0.01	not set	179	–	0
flamprop-M-methyl	whole	0.01	not set	55	–	0

Oat residue testing annual datasets 2019–20

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
fluazifop-p-butyl	whole	0.01	not set	55	–	0
flumetsulam	whole	0.01	0.05	179	0	0
flumioxazin	whole	0.01	0.05	179	0	0
fluroxypyr	whole	0.01	0.2	179	0	0
glufosinate	whole	0.01	not set	55	–	0
glyphosate	whole	0.01	0.1	55	1	0
haloxyfop	whole	0.01	not set	55	–	0
imazamox	whole	0.01	not set	172	–	0
imazapic	whole	0.01	not set	172	–	0
imazapyr	whole	0.01	not set	172	–	0
imazaquin	whole	0.01	not set	172	–	0
imazethapyr	whole	0.01	not set	172	–	0
iodosulfuron-methyl	whole	0.01	not set	179	–	0
ioxynil	whole	0.01	not set	179	–	0
isoxaben	whole	0.01	not set	179	–	0
linuron	whole	0.01	0.05	179	0	0
MCPA	whole	0.01	0.02	179	0	0
methabenzthiazuron	whole	0.01	not set	179	–	0
metolachlor	whole	0.01	0.02	179	0	0
metosulam	whole	0.01	0.02	179	0	0
metribuzin	whole	0.01	0.05	179	0	0
metsulfuron-methyl	whole	0.01	0.02	179	0	0
napropamide	whole	0.01	not set	179	–	0
norflurazon	whole	0.01	not set	179	–	0
oryzalin	whole	0.01	0.01	179	0	0
oxyfluorfen	whole	0.01	0.05	179	0	0
paraquat	whole	0.01	0.05	55	0	0
pendimethalin	whole	0.01	not set	179	–	0
picloram	whole	0.01	0.2	179	0	0
propachlor	whole	0.01	0.05	179	0	0
propaquizafop	whole	0.01	not set	55	–	0
propyzamide	whole	0.01	not set	179	–	0
quizalofop-ethyl	whole	0.01	not set	55	–	0
quizalofop-P-tefuryl	whole	0.01	not set	55	–	0
saflufenacil	whole	0.01	0.2	179	0	0
sethoxydim	whole	0.01	not set	179	–	0
simazine	whole	0.01	not set	179	–	0
terbutryn	whole	0.01	0.1	179	0	0
tralkoxydim	whole	0.01	0.02	179	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triallate	whole	0.01	0.05	179	0	0
triasulfuron	whole	0.01	0.02	179	0	0
triclopyr	whole	0.01	not set	179	–	0
trifluralin	whole	0.01	0.05	179	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	179	–	0
acephate	whole	0.01	not set	179	–	0
acetamiprid	whole	0.01	not set	179	–	0
aldicarb	whole	0.01	not set	179	–	0
amitraz	whole	0.01	not set	179	–	0
azamethiphos	whole	0.01	0.1	179	0	0
azinphos-methyl	whole	0.01	not set	179	–	0
bifenazate	whole	0.01	not set	179	–	0
bifenthrin	whole	0.01	0.02	179	0	0
bioresmethrin	whole	0.01	not set	179	–	0
buprofezin	whole	0.01	not set	179	–	0
cadusafos	whole	0.01	not set	179	–	0
carbaryl	whole	0.01	5	179	0	0
carbofuran	whole	0.01	not set	179	–	0
chlorantraniliprole	whole	0.01	0.1	179	0	0
chlorfenapyr	whole	0.01	not set	179	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	179	–	0
chlorpyrifos	whole	0.01	0.1	179	0	0
chlorpyrifos-methyl	whole	0.01	10	179	0	0
clofentezine	whole	0.01	not set	179	–	0
clothianidin	whole	0.01	0.02	179	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	179	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.01	179	0	0
cypermethrin (sum of isomers)	whole	0.01	1	179	0	0
deltamethrin	whole	0.01	2	179	0	0
diafenthiuron	whole	0.01	not set	179	–	0
diazinon	whole	0.01	0.1	179	0	0
dichlorvos	whole	0.01	0.01	179	0	0
dicofol	whole	0.01	not set	179	–	0

Oat residue testing annual datasets 2019–20

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diflubenzuron	whole	0.01	not set	179	–	0
dimethoate	whole	0.01	0.05	179	0	0
disulfoton	whole	0.01	not set	179	–	0
emamectin	whole	0.01	not set	179	–	0
esfenvalerate	whole	0.01	2	179	0	0
ethion	whole	0.01	not set	179	–	0
ethoprophos	whole	0.005	0.005	179	0	0
etoxazole	whole	0.01	not set	179	–	0
fenamiphos	whole	0.01	not set	179	–	0
fenbutatin oxide	whole	0.01	not set	179	–	0
fenitrothion	whole	0.01	10	179	0	0
fenoxycarb	whole	0.01	not set	179	–	0
fenpyroximate	whole	0.01	not set	179	–	0
fenthion	whole	0.01	not set	179	–	0
fenvalerate (sum of isomers)	whole	0.01	2	179	0	0
fipronil	whole	0.002	not set	179	–	0
hexythiazox	whole	0.01	not set	179	–	0
imidacloprid	whole	0.01	0.05	179	1	0
indoxacarb	whole	0.01	not set	179	–	0
malathion (maldison)	whole	0.01	8	179	0	0
methacrifos	whole	0.01	not set	179	–	0
methamidophos	whole	0.01	not set	179	–	0
methidathion	whole	0.01	0.01	179	0	0
methiocarb	whole	0.01	not set	179	–	0
methomyl	whole	0.01	0.1	179	0	0
methoprene	whole	0.01	2	179	0	0
methoxychlor	whole	0.01	not set	179	–	0
methoxyfenozide	whole	0.01	not set	179	–	0
mevinphos	whole	0.01	not set	179	–	0
monocrotophos	whole	0.01	not set	179	–	0
omethoate	whole	0.01	0.05	179	0	0
parathion	whole	0.01	not set	179	–	0
parathion-methyl	whole	0.01	not set	179	–	0
permethrin (sum of isomers)	whole	0.01	2	179	0	0
phenothrin (sum of isomers)	whole	0.01	not set	179	–	0
phorate	whole	0.01	not set	179	–	0
phosmet	whole	0.01	0.05	179	0	0
piperonyl butoxide	whole	0.01	20	179	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	179	0	0
pirimiphos-methyl	whole	0.01	7	179	0	0
profenofos	whole	0.01	not set	179	–	0
propargite	whole	0.01	not set	179	–	0
prothiofos	whole	0.01	not set	179	–	0
pymetrozine	whole	0.01	not set	179	–	0
pyrethrins	whole	0.01	3	179	0	0
pyriproxyfen	whole	0.01	not set	179	–	0
spinetoram	whole	0.01	not set	179	–	0
spinosad	whole	0.01	1	179	0	0
spirotetramat	whole	0.01	not set	179	–	0
sulfoxaflor	whole	0.01	0.01	179	0	0
tau-fluvalinate	whole	0.01	not set	179	–	0
tebufenozide	whole	0.01	not set	179	–	0
tebufenpyrad	whole	0.01	not set	179	–	0
terbufos	whole	0.01	0.01	179	0	0
tetradifon	whole	0.01	not set	179	–	0
thiacloprid	whole	0.01	not set	179	–	0
thiamethoxam	whole	0.01	0.01	179	0	0
thiodicarb	whole	0.01	not set	179	–	0
triazofos	whole	0.01	not set	179	–	0
trichlorfon	whole	0.01	0.1	179	0	0
triflumuron	whole	0.01	0.05	179	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	179	0	0
chlordane	whole	0.01	0.02	179	0	0
DDT	whole	0.01	0.1	179	0	0
endosulfan	whole	0.01	not set	179	–	0
endrin	whole	0.01	not set	179	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	179	0	0
HCH (BHC)	whole	0.01	0.1	179	0	0
heptachlor	whole	0.01	0.02	179	0	0
lindane (gamma-HCH)	whole	0.01	0.5	179	0	0
mirex	whole	0.01	not set	179	–	0