



Oat residue testing annual datasets 2016–17

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	276	0	0
benalaxyl	whole	0.01	not set	276	–	0
bitertanol	whole	0.01	not set	276	–	0
boscalid	whole	0.01	0.5	276	0	0
bupirimate	whole	0.01	not set	276	–	0
captafol	whole	0.02	not set	276	–	0
captan	whole	0.01	not set	276	–	0
carbendazim	whole	0.01	not set	276	–	0
chlorothalonil	whole	0.01	not set	276	–	0
cyproconazole	whole	0.01	not set	276	–	0
cyprodinil	whole	0.01	not set	276	–	0
difenoconazole	whole	0.01	0.01	276	0	0

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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	276	–	0
dithianon	whole	0.01	not set	276	–	0
dodine	whole	0.01	not set	276	–	0
epoxiconazole	whole	0.01	0.05	276	0	0
etridiazole	whole	0.01	not set	276	–	0
fenarimol	whole	0.01	not set	276	–	0
fenhexamid	whole	0.01	not set	276	–	0
fluazinam	whole	0.01	not set	276	–	0
fludioxonil	whole	0.01	not set	276	–	0
fluquinconazole	whole	0.01	not set	276	–	0
flusilazole	whole	0.01	not set	276	–	0
flutriafol	whole	0.01	0.02	276	0	2
fluxapyroxad	whole	0.01	0.1	276	0	0
hexaconazole	whole	0.01	not set	276	–	0
imazalil	whole	0.01	not set	276	–	0
ipconazole	whole	0.01	0.01	276	0	0
iprodione	whole	0.01	not set	276	–	0
kresoxim-methyl	whole	0.01	not set	276	–	0
metalaxyl	whole	0.01	0.01	276	0	0
myclobutanil	whole	0.01	not set	276	–	0
oxadixyl	whole	0.01	not set	276	–	0
penconazole	whole	0.01	not set	276	–	0
prochloraz	whole	0.01	not set	276	–	0
procymidone	whole	0.01	not set	276	–	0
propiconazole	whole	0.01	0.05	276	0	0
prothioconazole	whole	0.01	0.3	276	0	0
pyraclostrobin	whole	0.01	0.01	276	0	0
pyrimethanil	whole	0.01	not set	276	–	0
quinoxifen	whole	0.01	not set	276	–	0
spiroxamine-P	whole	0.01	not set	276	–	0
tebuconazole	whole	0.01	0.2	276	0	0
thiabendazole	whole	0.01	not set	276	–	0
tolclofos methyl	whole	0.01	not set	276	–	0
triadimefon	whole	0.01	0.5	276	0	0
triadimenol	whole	0.01	0.01	276	0	0
trifloxystrobin	whole	0.01	not set	276	–	0
triticonazole	whole	0.01	0.05	276	0	0
vinclozolin	whole	0.01	not set	276	–	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	276	0	0
2,4-D	whole	0.01	0.2	276	0	0
amitrole	whole	0.01	0.01	83	0	0
atrazine	whole	0.01	not set	276	–	0
bromacil	whole	0.01	not set	276	–	0
bromoxynil	whole	0.01	0.2	276	0	0
carfentrazone-ethyl	whole	0.01	0.05	276	0	0
chlorpropham	whole	0.01	not set	276	–	0
chlorsulfuron	whole	0.01	0.05	276	0	0
chlorthal-dimethyl	whole	0.01	not set	276	–	0
clethodim (parent only)	whole	0.01	not set	276	–	0
clodinafop-propargyl	whole	0.01	not set	276	–	0
clopyralid	whole	0.01	2	276	0	0
cyanazine	whole	0.01	0.01	276	0	0
dicamba	whole	0.01	0.05	276	0	0
dichlobenil	whole	0.01	not set	276	–	0
dichlorprop-P	whole	0.01	not set	276	–	0
diclofop-methyl	whole	0.01	0.1	83	0	0
diflufenican	whole	0.01	0.05	276	0	0
diquat	whole	0.01	5	83	0	0
diuron	whole	0.01	0.1	276	1	0
ethofumesate	whole	0.01	not set	276	–	0
fenoxaprop-ethyl	whole	0.01	not set	83	–	0
flamprop-M-methyl	whole	0.01	not set	83	–	0
fluazifop-p-butyl	whole	0.01	not set	83	–	0
flumetsulam	whole	0.01	0.05	276	0	0
glufosinate	whole	0.01	not set	83	–	0
glyphosate	whole	0.01	0.1	83	2	2
haloxyfop	whole	0.01	not set	83	–	0
imazamox	whole	0.01	not set	276	–	0
imazapic	whole	0.01	not set	276	–	0
imazapyr	whole	0.01	not set	276	–	0
imazaquin	whole	0.01	not set	276	–	0
imazethapyr	whole	0.01	not set	276	–	0
iodosulfuron-methyl	whole	0.01	not set	276	–	0
ioxynil	whole	0.01	not set	276	–	0
isoxaben	whole	0.01	not set	276	–	0
linuron	whole	0.01	0.05	276	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	276	0	0
methabenzthiazuron	whole	0.01	not set	276	–	0
metolachlor	whole	0.01	0.02	276	0	0
metosulam	whole	0.01	0.02	276	0	0
metribuzin	whole	0.01	0.05	276	0	0
metsulfuron-methyl	whole	0.01	0.02	276	0	0
napropamide	whole	0.01	not set	276	–	0
norflurazon	whole	0.01	not set	276	–	0
oryzalin	whole	0.01	0.01	276	0	0
oxyfluorfen	whole	0.01	0.05	276	0	0
paraquat	whole	0.01	0.05	83	0	0
pendimethalin	whole	0.01	not set	276	–	0
picloram	whole	0.01	0.2	276	0	0
propachlor	whole	0.01	0.05	276	0	0
propyzamide	whole	0.01	not set	276	–	0
quizalofop-ethyl	whole	0.01	not set	83	–	0
quizalofop-P-tefuryl	whole	0.01	not set	83	–	0
saflufenacil	whole	0.01	0.03	276	0	0
sethoxydim	whole	0.01	not set	276	–	0
simazine	whole	0.01	not set	276	–	0
tralkoxydim	whole	0.01	0.02	276	0	0
triasulfuron	whole	0.01	0.02	276	0	0
triclopyr	whole	0.01	not set	276	–	0
trifluralin	whole	0.01	0.05	276	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	276	–	0
acephate	whole	0.01	not set	276	–	0
acetamiprid	whole	0.01	not set	276	–	0
aldicarb	whole	0.01	not set	276	–	0
amitraz	whole	0.01	not set	276	–	0
azamethiphos	whole	0.01	0.1	276	0	0
azinphos-methyl	whole	0.01	not set	276	–	0
bifenazate	whole	0.01	not set	276	–	0
bifenthrin	whole	0.01	0.02	276	0	0
bioresmethrin	whole	0.01	not set	276	–	0
buprofezin	whole	0.01	not set	276	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	276	–	0
carbaryl	whole	0.01	5	276	0	0
carbofuran	whole	0.01	not set	276	–	0
chlorantraniliprole	whole	0.01	0.01	276	0	0
chlorfenapyr	whole	0.01	not set	276	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	276	–	0
chlorpyrifos	whole	0.01	0.1	276	0	0
chlorpyrifos-methyl	whole	0.01	10	276	0	0
clofentezine	whole	0.01	not set	276	–	0
clothianidin	whole	0.01	not set	276	–	0
cyfluthrin (sum of isomers)	whole	0.01	2	276	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.01	276	0	0
cypermethrin (sum of isomers)	whole	0.01	1	276	0	0
deltamethrin	whole	0.01	2	276	0	0
diafenthiuron	whole	0.01	not set	276	–	0
diazinon	whole	0.01	0.1	276	0	0
dichlorvos	whole	0.01	0.01	276	0	0
dicofol	whole	0.01	not set	276	–	0
diflubenzuron	whole	0.01	not set	276	–	0
dimethoate	whole	0.01	0.05	276	0	0
disulfoton	whole	0.01	not set	276	–	0
emamectin	whole	0.01	not set	276	–	0
esfenvalerate	whole	0.01	2	276	0	0
ethion	whole	0.01	not set	276	–	0
ethoprophos	whole	0.005	0.005	276	0	0
etoxazole	whole	0.01	not set	276	–	0
fenamiphos	whole	0.01	not set	276	–	0
fenbutatin oxide	whole	0.01	not set	276	–	0
fenitrothion	whole	0.01	10	276	0	0
fenoxycarb	whole	0.01	not set	276	–	1
fenpyroximate	whole	0.01	not set	276	–	0
fenthion	whole	0.01	not set	276	–	0
fenvalerate (sum of isomers)	whole	0.01	2	276	0	0
fipronil	whole	0.002	not set	276	–	0
hexythiazox	whole	0.01	not set	276	–	0
imidacloprid	whole	0.01	0.05	276	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	not set	276	–	0
malathion (maldison)	whole	0.01	8	276	0	0
methacrifos	whole	0.01	not set	276	–	0
methamidophos	whole	0.01	not set	276	–	0
methidathion	whole	0.01	0.01	276	0	0
methiocarb	whole	0.01	not set	276	–	0
methomyl	whole	0.01	0.1	276	0	0
methoprene	whole	0.01	2	276	0	0
methoxychlor	whole	0.01	not set	276	–	0
methoxyfenozide	whole	0.01	not set	276	–	0
mevinphos	whole	0.01	not set	276	–	0
monocrotophos	whole	0.01	not set	276	–	0
omethoate	whole	0.01	0.05	276	0	0
parathion	whole	0.01	not set	276	–	0
parathion-methyl	whole	0.01	not set	276	–	0
permethrin (sum of isomers)	whole	0.01	2	276	0	0
phenothrin (sum of isomers)	whole	0.01	not set	276	–	0
phorate	whole	0.01	not set	276	–	0
phosmet	whole	0.01	0.05	276	0	0
piperonyl butoxide	whole	0.01	20	276	0	0
pirimicarb	whole	0.01	0.02	276	0	0
pirimiphos-methyl	whole	0.01	7	276	0	0
profenofos	whole	0.01	not set	276	–	0
propargite	whole	0.01	not set	276	–	0
prothiofos	whole	0.01	not set	276	–	0
pymetrozine	whole	0.01	not set	276	–	0
pyrethrins	whole	0.01	3	276	0	0
pyriproxyfen	whole	0.01	not set	276	–	0
spinetoram	whole	0.01	not set	276	–	0
spinosad	whole	0.01	1	276	0	0
spirotetramat	whole	0.01	not set	276	–	0
sulfoxaflor	whole	0.01	0.01	276	0	0
tau-fluvalinate	whole	0.01	not set	276	–	0
tebufenozide	whole	0.01	not set	276	–	0
tebufenpyrad	whole	0.01	not set	276	–	0
terbufos	whole	0.01	0.01	276	0	0
tetradifon	whole	0.01	not set	276	–	0
thiacloprid	whole	0.01	not set	276	–	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	276	0	0
thiodicarb	whole	0.01	not set	276	–	0
triazofos	whole	0.01	not set	276	–	0
trichlorfon	whole	0.01	0.1	276	0	0
triflumuron	whole	0.01	0.05	276	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	276	0	0
chlordane	whole	0.01	0.02	276	0	0
DDT	whole	0.01	0.1	276	0	0
endosulfan	whole	0.01	not set	276	–	0
endrin	whole	0.01	not set	276	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	276	0	0
HCH (BHC)	whole	0.01	0.1	276	0	0
heptachlor	whole	0.01	0.02	276	0	0
lindane (gamma-HCH)	whole	0.01	0.5	276	0	0
mirex	whole	0.01	not set	276	–	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	whole	0.005	0.1	19	0	0