



Ovine 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 Anthelmintics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
abamectin	fat	0.005	0.05	330	0	0	0
albendazole	liver	0.001	3	330	1	0	0
clorsulon	liver	0.08	not set	330	0	0	0
closantel	liver	0.05	5	330	14	0	0
derquantel	fat	0.005	0.0002	330	0	0	0
doramectin	fat	0.005	0.1	330	0	0	0
emamectin	fat	0.005	0.01	330	0	0	0
eprinomectin B1a	fat	0.005	not set	330	0	0	0
fenbendazole	liver	0.001	0.5	330	18	0	0
ivermectin H2B1a	fat	0.005	0.02	330	0	0	0
levamisole	liver	0.001	1	330	37	0	0
mebendazole	liver	0.005	0.02	330	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
mebendazole, 5-hydroxy-	liver	0.005	not set	330	0	0	0
milbemectin	fat	0.05	0.002	330	0	0	0
monepantel sulphone	fat	0.005	7	330	0	0	0
morantel	liver	0.001	2	330	0	0	0
moxidectin	fat	0.005	0.5	330	59	1	1
nitroxylin	liver	0.012	not set	330	0	0	0
oxfendazole	liver	0.001	3	330	34	0	0
oxibendazole	liver	0.001	not set	330	0	0	0
praziquantel	fat	0.005	0.05	330	0	0	0
thiabendazole-A	liver	0.01	0.2	330	0	0	0
triclabendazole	liver	0.05	2	330	0	0	0

Table 2 Antibiotics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
AHD	retina	0.002	not defined	50	0	0	0
amoxicillin	kidney	0.01	0.01	410	0	0	0
AMOZ	retina	0.002	not defined	50	0	0	0
ampicillin	kidney	0.01	not set	410	0	0	0
amprolium	liver	0.01	not set	330	0	0	0
AOZ	retina	0.002	not defined	50	0	0	0
apramycin	kidney	0.25	2	410	0	0	0
avilamycin	kidney	0.1	not set	410	0	0	0
benzyl G penicillin	kidney	0.01	0.06	410	0	0	0
ceftiofur	kidney	0.2	not set	410	0	0	0
cefuroxime	kidney	0.05	not set	410	0	0	0
cephalonium	kidney	0.05	not set	410	0	0	0
chloramphenicol	muscle	0.0003	not set	330	0	0	0
chlortetracycline	kidney	0.01	not set	410	0	0	0
ciprofloxacin	kidney	0.005	not set	50	0	0	0
cloxacillin	kidney	0.05	not set	410	0	0	0
danofloxacin	kidney	0.005	not set	50	0	0	0
difloxacin	kidney	0.005	not set	41	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	410	0	0	0
doxycycline	kidney	0.01	not set	410	0	0	0
enrofloxacin	kidney	0.005	not set	50	0	0	0
erythromycin	kidney	0.1	0.3	410	0	0	0
florfenicol	muscle	0.005	not set	330	0	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
flumequine	kidney	0.005	not set	50	0	0	0
gatifloxacin	kidney	0.005	not set	50	0	0	0
gentamycin	kidney	0.1	not set	410	0	0	0
halofuginone	liver	0.01	not set	330	0	0	0
lasalocid	liver	0.01	0.7	330	1	0	0
levofloxacin	kidney	0.005	not set	50	0	0	0
lincomycin	kidney	0.1	not set	410	0	0	0
lomefloxacin	kidney	0.005	not set	50	0	0	0
maduramicin	liver	0.01	not set	330	0	0	0
marbofloxacin	kidney	0.005	not set	50	0	0	0
monensin	liver	0.01	0.2	330	1	0	0
moxifloxacin	kidney	0.005	not set	50	0	0	0
nalidixic acid	kidney	0.005	not set	50	0	0	0
narasin	liver	0.01	not set	330	0	0	0
neomycin	kidney	0.1	10	410	0	0	0
nicarbazin	liver	0.01	not set	330	0	0	0
norfloxacin	kidney	0.01	not set	380	0	0	0
oleandomycin	kidney	0.2	0.1	410	0	0	0
oxytetracycline	kidney	0.01	0.6	410	0	0	0
salinomycin	liver	0.01	not set	330	0	0	0
sarafloxacin	kidney	0.005	not set	50	0	0	0
SEM	retina	0.002	not defined	50	0	0	0
semduramycin	liver	0.01	not set	330	0	0	0
streptomycin	kidney	0.1	0.3	410	0	0	0
sulfachloropyridazine	kidney	0.05	not set	410	0	0	0
sulfadiazine	kidney	0.05	0.1	410	0	0	0
sulfadimethoxine	kidney	0.05	not set	410	0	0	0
sulfadimidine	kidney	0.05	0.1	410	0	0	0
sulfadoxine	kidney	0.05	0.1	410	0	0	0
sulfafurazole	kidney	0.05	not set	410	0	0	0
sulfamerazine	kidney	0.05	not set	410	0	0	0
sulfamethoxazole	kidney	0.05	not set	410	0	0	0
sulfamethoxydiazine	kidney	0.05	not set	410	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	410	0	0	0
sulfapyridine	kidney	0.05	not set	410	0	0	0
sulfaquinoxaline	kidney	0.05	not set	410	0	0	0
sulfathiazole	kidney	0.05	not set	410	0	0	0
sulfatroxazole	kidney	0.05	0.1	410	0	0	0
tetracycline	kidney	0.01	not set	410	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
thiamphenicol	muscle	0.005	not set	330	0	0	0
tilmicosin	kidney	0.2	not set	410	0	0	0
trimethoprim	kidney	0.05	not set	410	0	0	0
tulathromycin	kidney	0.3	not set	410	0	0	0
tylosin	kidney	0.1	not set	410	0	0	0
virginiamycin	kidney	0.2	0.2	410	0	0	0

Table 3 Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
aldrin and dieldrin	fat	0.02	0.2	750	1	0	0
aroachlor 1254	fat	0.03	0.2	750	0	0	0
aroachlor 1260	fat	0.03	0.2	750	0	0	0
chlordane	fat	0.02	0.2	750	0	0	0
DDT	fat	0.05	5	750	12	0	0
endosulfan	fat	0.02	not set	750	0	0	0
endrin	fat	0.01	not set	750	0	0	0
HCB	fat	0.02	1	750	0	0	0
HCH	fat	0.02	0.3	750	0	0	0
heptachlor	fat	0.02	0.2	750	0	0	0
lindane	fat	0.01	2	750	0	0	0
mirex	fat	0.02	not set	750	0	0	0
pentachlorobenzene	fat	0.02	not set	750	0	0	0

Table 4 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
boscalid	fat	0.01	0.3	750	0	0	0
carbendazim	fat	0.01	0.2	750	0	0	0
cyproconazole	fat	0.02	0.03	750	0	0	0
fluquinconazole	fat	0.01	0.5	750	0	0	0
flutriafol	fat	0.02	0.05	750	0	0	0
fluxapyroxad	fat	0.01	0.05	750	0	0	0
procymidone	fat	0.02	0.2	750	0	0	0
propiconazole	fat	0.05	0.1	750	0	0	0
prothioconazole	fat	0.02	0.02	750	0	0	0
quintozene	fat	0.02	not set	750	0	0	0

Table 5 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
ethofumesate	fat	0.02	0.5	750	0	0	0
metolachlor	fat	0.02	0.05	750	0	0	0
propachlor	fat	0.02	0.02	750	0	0	0
pyrasulfotole	fat	0.01	0.01	750	0	0	0

Table 6 Hormones

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
16-hydroxystanozolol	urine	0.001	not defined	330	0	0	0
betamethasone	liver	0.001	not set	10	0	0	0
boldenone 17-alpha	urine	0.001	not defined	330	10	0	0
boldenone 17-beta	urine	0.001	not defined	330	0	0	0
dexamethasone	liver	0.001	not set	10	0	0	0
dienoestrol	liver	0.0002	not set	330	0	0	0
diethylstilboestrol	liver	0.0002	not set	330	0	0	0
flumethasone	liver	0.001	not set	10	0	0	0
hexoestrol	liver	0.0002	not set	330	0	0	0
methandriol	urine	0.005	not defined	330	0	0	0
methylprednisolone	liver	0.001	not set	10	0	0	0
nortestosterone 17-alpha	urine	0.001	not defined	330	25	0	0
nortestosterone 17-beta	urine	0.001	not defined	330	0	0	0
stanozolol	urine	0.001	not defined	330	0	0	0
trenbolone	liver	0.0005	not set	330	0	0	0
triamcinolone	liver	0.001	not set	10	0	0	0
triamcinolone acetonide	liver	0.001	not set	10	0	0	0
zeranol	liver	0.002	not set	330	0	0	0

Table 7 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
bifenthrin	fat	0.02	2	750	0	0	0
bioresmethrin	fat	0.02	not set	750	0	0	0
carbaryl	fat	0.01	0.07	750	0	0	0
chlorantraniliprole	fat	0.01	0.02	750	0	0	0
chlorfenapyr	fat	0.02	0.05	750	0	0	0
chlorfenvinphos	fat	0.02	0.2	750	0	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
chlorfluazuron	fat	0.01	not set	330	0	0	0
chlorpyrifos	fat	0.02	0.5	750	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	750	0	0	0
coumaphos	fat	0.02	not set	750	0	0	0
cyfluthrin	fat	0.02	0.5	750	0	0	0
cyhalothrin	fat	0.02	0.5	750	0	0	0
cypermethrin	fat	0.02	0.5	750	2	0	0
cyromazine	kidney	0.01	0.2	330	0	0	0
deltamethrin	fat	0.02	0.2	750	0	0	0
diafenthiuron	fat	0.02	not set	750	0	0	0
diazinon	fat	0.02	0.7	750	0	0	0
dichlorvos	fat	0.02	0.01	750	0	0	0
dicofol	fat	0.01	not set	750	0	0	0
dicyclanil	kidney	0.01	0.3	330	0	0	0
diflubenzuron	fat	0.01	0.05	330	0	0	0
dimethoate	fat	0.02	0.05	750	0	0	0
esfenvalerate	fat	0.02	1	107	0	0	0
ethion	fat	0.02	not set	750	0	0	0
famphur	fat	0.02	not set	750	0	0	0
famphur oxygen-analogue	fat	0.05	not set	750	0	0	0
fenitrothion	fat	0.02	0.05	750	0	0	0
fenthion	fat	0.02	not set	750	0	0	0
fenvalerate	fat	0.02	1	750	0	0	0
fipronil	fat	0.02	0.1	750	0	0	0
fluazuron	fat	0.01	not set	330	0	0	0
flubendiamide	fat	0.01	0.05	750	0	0	0
flumethrin	fat	0.05	not set	750	0	0	0
imidacloprid	fat	0.01	0.05	750	0	0	0
indoxacarb	fat	0.02	1	750	0	0	0
malathion	fat	0.01	1	750	0	0	0
melamine	kidney	0.01	not set	330	0	0	0
methidathion	fat	0.02	0.5	750	0	0	0
methoxychlor	fat	0.02	not set	750	0	0	0
mevinphos	fat	0.01	not set	750	0	0	0
omethoate	fat	0.02	not set	750	0	0	0
parathion-methyl	fat	0.02	not set	750	0	0	0
permethrin	fat	0.02	1	750	0	0	0
phosmet	fat	0.02	0.05	750	0	0	0
pirimiphos-methyl	fat	0.02	0.05	750	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
prothiofos	fat	0.01	not set	750	0	0	0
pyraclofos	fat	0.02	0.5	750	0	0	0
spinetoram	fat	0.005	2	330	0	0	0
spinosad	fat	0.005	2	330	14	0	0
spirotetramat	fat	0.02	0.02	750	0	0	0
sulfoxaflor	fat	0.01	0.2	750	0	0	0
tau-fluvalinate	fat	0.01	not set	750	0	0	0
temephos	fat	0.02	3	750	3	0	0
triflumuron	fat	0.01	2	330	1	0	0

Table 8 Metals

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
antimony	liver	0.01	no limit	330	0	0	0
arsenic	liver	0.05	no limit	330	0	0	0
cadmium	liver	0.01	1.25	330	292	17	0
lead	liver	0.01	0.5	330	231	1	0
mercury	liver	0.01	no limit	330	17	0	0

Table 9 Mycotoxins

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
talernanol	liver	0.002	no limit	330	0	0	0
zearalanone	liver	0.002	no limit	330	0	0	0
zearalenol alpha	liver	0.002	no limit	330	0	0	0
zearalenol beta	liver	0.002	no limit	330	1	0	0
zearalenone	liver	0.002	no limit	330	0	0	0

Table 10 Other veterinary drugs

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
bamethan	liver	0.001	not set	205	0	0	0
brombuterol	liver	0.001	not set	205	0	0	0
chlorbrombuterol	liver	0.001	not set	205	0	0	0
cimaterol	liver	0.0003	not set	330	0	0	0
cimbuterol	liver	0.001	not set	205	0	0	0
clenbuterol	liver	0.0003	not set	330	0	0	0
clencyclohexerol	liver	0.001	not set	205	0	0	0
clenpenterol	liver	0.001	not set	205	0	0	0

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clenproperol	liver	0.001	not set	205	0	0	0
fenoterol	liver	0.001	not set	205	0	0	0
flunixin	kidney	0.01	not set	330	0	0	0
isoxsuprine	liver	0.001	not set	205	0	0	0
ketoprofen	kidney	0.01	not set	330	0	0	0
mabuterol	liver	0.0003	not set	330	0	0	0
mapenterol	liver	0.001	not set	205	0	0	0
nitrodrine	liver	0.001	not set	205	0	0	0
orciprenaline	liver	0.001	not set	205	0	0	0
oxyphenbutazone	kidney	0.01	not set	330	0	0	0
phenylbutazone	kidney	0.01	not set	330	0	0	0
ractopamine	liver	0.0003	not set	330	0	0	0
salbutamol	liver	0.001	not set	330	0	0	0
salmeterol	liver	0.001	not set	205	0	0	0
terbutaline	liver	0.001	not set	205	0	0	0
tolfenamic acid	kidney	0.005	not set	330	0	0	0
tulobuterol	liver	0.001	not set	205	0	0	0
zilpaterol	liver	0.0003	not set	330	0	0	0