Australian Government
Department of Agriculture and Water Resources

Ovine residue testing annual datasets 2014–15

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	1	0	0
albendazole	liver	0.001	3	330	0	0	0
closantel	liver	0.05	5	330	8	0	0
derquantel	fat	0.005	0.2	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	fat	0.005	not set	330	0	0	0
fenbendazole	liver	0.001	0.5	330	17	0	0
ivermectin	fat	0.005	0.02	330	0	0	0
levamisole	liver	0.001	1	330	31	1	0
mebendazole	liver	0.005	0.02	330	0	0	0
mebendazole	liver	0.005	not set	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
milbemectin	fat	0.05	0.002	283	0	0	0
monepantel sulphone	fat	0.005	7	330	2	0	0
morantel	liver	0.001	2	330	0	0	0
moxidectin	fat	0.005	0.5	330	56	1	0
oxfendazole	liver	0.001	3	330	36	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
4-epichlortetracycline	kidney	0.01	not set	410	0	0	0
4-epioxytetracycline	kidney	0.01	0.6	410	0	0	0
4-epitetracycline	kidney	0.01	not set	410	0	0	0
AHD	retina	0.002	not defined	50	0	–	–
amoxicillin	kidney	0.01	0.01	410	0	0	0
AMOZ	retina	0.002	not defined	50	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	–	–
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	340	0	0	0
chlortetracycline	kidney	0.01	not set	410	0	0	0
cloxacillin	kidney	0.05	not set	410	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	410	0	0	0
doxycycline	kidney	0.01	not set	410	0	0	0
erythromycin	kidney	0.1	0.3	410	0	0	0
florfenicol	muscle	0.0043	not set	340	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
lincomycin	kidney	0.1	not set	410	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
maduramicin	liver	0.01	not set	330	0	0	0
monensin	liver	0.01	0.2	330	3	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
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
SEM	retina	0.002	not defined	50	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
thiamphenicol	muscle	0.0029	not set	340	0	0	0
tilmicosin	kidney	0.2	not set	410	0	0	0
trimethoprim	kidney	0.05	not set	227	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 ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin	fat	0.02	0.2	750	0	0	0
arochlor 1254	fat	0.03	not set	750	0	0	0
arochlor 1260	fat	0.03	not set	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
chlordane	fat	0.02	0.2	750	0	0	0
DDT	fat	0.05	5	750	5	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 Fluoroquinolones

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
norfloxacin	kidney	0.01	not set	160	0	0	0

Table 5 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ 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	1	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 6 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ 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 7 Hormones

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
16-hydroxystanozolol	urine	0.001	not defined	333	0	–	–
boldenone 17 alpha	urine	0.001	not defined	333	0	–	–
boldenone 17 beta	urine	0.001	not defined	333	0	–	–
dienoestrol	liver	0.0002	not set	330	0	0	0
diethylstilboestrol	liver	0.0002	not set	330	0	0	0
hexoestrol	liver	0.0002	not set	330	0	0	0
methandriol	urine	0.005	not defined	333	0	–	–
nortestosterone-17 alpha	urine	0.001	not defined	333	0	–	–
nortestosterone-17 beta	urine	0.001	not defined	333	0	–	–
stanozolol	urine	0.001	not defined	333	0	–	–
trenbolone	liver	0.0005	not set	330	0	0	0
zeranol	liver	0.002	not set	330	0	0	0

Table 8 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ 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	0.2	750	1	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
chlorfluazuron	fat	0.01	not set	330	0	0	0
chlorpyrifos	fat	0.02	0.5	750	1	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	3	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	668	0	0	0
diazinon	fat	0.02	0.7	750	2	0	0
dichlorvos	fat	0.02	0.05	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

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
dimethoate	fat	0.02	0.05	750	0	0	0
endosulfan	fat	0.02	not set	750	0	0	0
esfenvalerate	fat	0.02	1	279	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	742	0	0	0
fenitrothion	fat	0.02	0.05	750	0	0	0
fenthion	fat	0.02	0.2	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	0.02	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
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
prothiofos	fat	0.01	not set	750	0	0	0
pyraclofos	fat	0.02	0.5	750	1	0	0
spinetoram	fat	0.005	2	330	0	0	0
spinosad	fat	0.005	2	330	13	0	0
spirotetramat	fat	0.02	0.02	750	0	0	0
sulfoxaflor	fat	0.01	not set	61	0	0	0
tau-fluvalinate	fat	0.01	not set	750	0	0	0
temephos	fat	0.02	3	750	9	0	0
triflumuron	fat	0.01	2	330	0	0	0

Table 9 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

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
cadmium	liver	0.01	1.25	330	296	8	6
lead	liver	0.01	0.5	330	259	3	2
mercury	liver	0.01	no limit	330	0	0	0

Table 10 Mycotoxins

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
taleranol	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	0	0	0
zearalenone	liver	0.002	no limit	330	0	0	0

Table 11 Other veterinary drugs

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
bamethin	liver	0.001	not set	46	0	0	0
brombuterol	liver	0.001	not set	46	0	0	0
chlorbrombuterol	liver	0.001	not set	46	0	0	0
cimaterol	liver	0.0003	not set	330	0	0	0
cimbuterol	liver	0.001	not set	46	0	0	0
clenbuterol	liver	0.0003	not set	330	0	0	0
clencyclohexerol	liver	0.001	not set	46	0	0	0
clenpenterol	liver	0.001	not set	46	0	0	0
clenproperol	liver	0.001	not set	46	0	0	0
fenoterol	liver	0.001	not set	46	0	0	0
flunixin	kidney	0.01	not set	330	0	0	0
isoxsuprine	liver	0.001	not set	46	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	46	0	0	0
nitrodrine	liver	0.001	not set	46	0	0	0
orciprenaline	liver	0.001	not set	46	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	46	0	0	0
terbutaline	liver	0.001	not set	46	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
tolfenamic acid	kidney	0.005	not set	330	0	0	0
tulobuterol	liver	0.001	not set	46	0	0	0
zilpaterol	liver	0.0003	not set	330	0	0	0