



Ovine residue testing annual datasets 2015–16

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	333	1	0	0
albendazole	liver	0.001	3	330	0	0	0
closantel	liver	0.05	5	330	7	0	0
derquantel	fat	0.005	0.0002	333	0	0	0
doramectin	fat	0.005	0.1	333	0	0	0
emamectin	fat	0.005	0.01	333	0	0	0
eprinomectin	fat	0.005	not set	333	0	0	0
fenbendazole	liver	0.001	0.5	330	17	0	0
ivermectin	fat	0.005	0.02	333	0	0	0
levamisole	liver	0.001	1	330	32	0	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	333	0	0	0
monepantel sulphone	fat	0.005	7	333	2	0	0
morantel	liver	0.001	2	330	0	0	0
moxidectin	fat	0.005	0.5	333	65	0	0
oxfendazole	liver	0.001	3	330	44	0	0
oxibendazole	liver	0.001	not set	330	0	0	0
praziquantel	fat	0.005	0.05	333	0	0	0
thiabendazole	liver	0.01	0.2	330	0	0	0
triclabendazole	liver	0.05	2	331	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	–	–
amoxicillin	kidney	0.01	0.01	411	0	0	0
AMOZ	retina	0.002	not defined	50	0	–	–
ampicillin	kidney	0.01	not set	411	0	0	0
amprolium	liver	0.01	not set	331	0	0	0
AOZ	retina	0.002	not defined	50	0	–	–
apramycin	kidney	0.25	2	411	0	0	0
avilamycin	kidney	0.1	not set	411	0	0	0
benzyl G penicillin	kidney	0.01	0.06	411	0	0	0
ceftiofur	kidney	0.2	not set	411	0	0	0
cefuroxime	kidney	0.05	not set	411	0	0	0
cephalonium	kidney	0.05	not set	411	0	0	0
chloramphenicol	muscle	0.0003	not set	332	0	0	0
chlortetracycline	kidney	0.01	0.6	411	0	0	0
cloxacillin	kidney	0.05	not set	411	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	411	0	0	0
doxycycline	kidney	0.01	not set	411	0	0	0
erythromycin	kidney	0.1	0.3	411	0	0	0
florfenicol	muscle	0.0043	not set	332	0	0	0
gentamycin	kidney	0.1	not set	411	0	0	0
halofuginone	liver	0.01	not set	331	0	0	0
lasalocid	liver	0.01	0.7	331	2	0	0
lincomycin	kidney	0.1	not set	411	0	0	0
maduramicin	liver	0.01	not set	331	0	0	0
monensin	liver	0.01	0.2	331	0	0	0
narasin	liver	0.01	not set	331	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
neomycin	kidney	0.1	10	411	0	0	0
nicarbazin	liver	0.01	not set	331	0	0	0
oleandomycin	kidney	0.2	0.1	411	0	0	0
oxytetracycline	kidney	0.01	0.6	411	0	0	0
salinomycin	liver	0.01	not set	331	0	0	0
SEM	retina	0.002	not defined	50	0	–	–
semduramycin	liver	0.01	not set	331	0	0	0
streptomycin	kidney	0.1	0.3	411	0	0	0
sulfachloropyridazine	kidney	0.05	not set	411	0	0	0
sulfadiazine	kidney	0.05	0.1	411	0	0	0
sulfadimethoxine	kidney	0.05	not set	411	0	0	0
sulfadimidine	kidney	0.05	0.1	411	0	0	0
sulfadoxine	kidney	0.05	0.1	411	0	0	0
sulfafurazole	kidney	0.05	not set	411	0	0	0
sulfamerazine	kidney	0.05	not set	411	0	0	0
sulfamethoxazole	kidney	0.05	not set	411	0	0	0
sulfamethoxydiazine	kidney	0.05	not set	411	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	411	0	0	0
sulfapyridine	kidney	0.05	not set	411	0	0	0
sulfaquinoxaline	kidney	0.05	not set	411	0	0	0
sulfathiazole	kidney	0.05	not set	411	0	0	0
sulfatroxazole	kidney	0.05	0.1	411	0	0	0
tetracycline	kidney	0.01	not set	411	0	0	0
thiamphenicol	muscle	0.0029	not set	332	0	0	0
tilmicosin	kidney	0.2	not set	411	0	0	0
trimethoprim	kidney	0.05	not set	411	0	0	0
tulathromycin	kidney	0.3	not set	411	0	0	0
tylosin	kidney	0.1	not set	411	0	0	0
virginiamycin	kidney	0.2	0.2	411	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	754	1	0	0
arochlor 1254	fat	0.03	not set	754	0	0	0
arochlor 1260	fat	0.03	not set	754	0	0	0
chlordane	fat	0.02	0.2	754	0	0	0
DDT	fat	0.05	5	754	29	0	0
endrin	fat	0.01	not set	754	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
HCB	fat	0.02	1	754	0	0	0
HCH	fat	0.02	0.3	754	0	0	0
heptachlor	fat	0.02	0.2	754	0	0	0
lindane	fat	0.01	2	754	0	0	0
mirex	fat	0.02	not set	754	0	0	0
pentachlorobenzene	fat	0.02	not set	754	0	0	0

Table 4 Fluoroquinolones

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
norfloxacin	kidney	0.01	not set	331	0	0	0

Table 5 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	754	0	0	0
carbendazim	fat	0.01	0.2	754	0	0	0
cyproconazole	fat	0.02	0.03	754	0	0	0
fluquinconazole	fat	0.01	0.5	754	0	0	0
flutriafol	fat	0.02	0.05	754	0	0	0
fluxapyroxad	fat	0.01	0.05	754	0	0	0
procymidone	fat	0.02	0.2	754	0	0	0
propiconazole	fat	0.05	0.1	754	0	0	0
prothioconazole	fat	0.02	0.02	754	0	0	0
quintozene	fat	0.02	not set	754	0	0	0

Table 6 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	754	0	0	0
metolachlor	fat	0.02	0.05	754	0	0	0
propachlor	fat	0.02	0.02	754	0	0	0
pyrasulfotole	fat	0.01	0.01	754	0	0	0

Table 7 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
zeranol	liver	0.002	not set	331	0	0	0
16-hydroxystanozolol	urine	0.001	not defined	331	0	–	–
boldenone 17 α	urine	0.001	not defined	331	6	–	–

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
boldenone 17 β	urine	0.001	not defined	331	0	–	–
dienoestrol	liver	0.0002	not set	331	0	0	0
diethylstilboestrol	liver	0.0002	not set	331	0	0	0
hexoestrol	liver	0.0002	not set	331	0	0	0
methandriol	urine	0.005	not defined	331	0	–	–
nortestosterone-17 alpha	urine	0.001	not defined	331	4	–	–
nortestosterone-17 beta	urine	0.001	not defined	331	0	–	–
stanozolol	urine	0.001	not defined	331	0	–	–
trenbolone	liver	0.0005	not set	331	0	0	0

Table 8 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	754	2	0	0
bioresmethrin	fat	0.02	not set	754	0	0	0
carbaryl	fat	0.01	0.07	754	0	0	0
chlorantraniliprole	fat	0.01	0.02	754	0	0	0
chlorfenapyr	fat	0.02	0.05	754	0	0	0
chlorfenvinphos	fat	0.02	0.2	754	0	0	0
chlorfluazuron	fat	0.01	not set	333	0	0	0
chlorpyrifos	fat	0.02	0.5	754	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	754	0	0	0
coumaphos	fat	0.02	not set	754	0	0	0
cyfluthrin	fat	0.02	0.5	754	0	0	0
cyhalothrin	fat	0.02	0.5	754	1	0	0
cypermethrin	fat	0.02	0.5	754	10	0	0
cyromazine	kidney	0.01	0.2	331	1	0	0
deltamethrin	fat	0.02	0.2	754	0	0	0
diafenthiuron	fat	0.02	not set	754	0	0	0
diazinon	fat	0.02	0.7	754	4	0	0
dichlorvos	fat	0.02	0.01	754	0	0	0
dicofol	fat	0.01	not set	754	0	0	0
dicyclanil	kidney	0.01	0.3	331	0	0	0
diflubenzuron	fat	0.01	0.05	333	0	0	0
dimethoate	fat	0.02	0.05	754	0	0	0
endosulfan	fat	0.02	not set	754	0	0	0
esfenvalerate	fat	0.02	1	120	0	0	0
ethion	fat	0.02	not set	754	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
famphur	fat	0.02	not set	754	0	0	0
famphur oxygen-analogue	fat	0.05	not set	754	0	0	0
fenitrothion	fat	0.02	0.05	754	0	0	0
fenthion	fat	0.02	not set	754	0	0	0
fenvalerate	fat	0.02	1	754	0	0	0
fipronil	fat	0.02	0.1	754	0	0	1
fluazuron	fat	0.01	not set	333	0	0	0
flubendiamide	fat	0.01	0.05	754	0	0	0
flumethrin	fat	0.05	not set	754	0	0	0
imidacloprid	fat	0.01	0.05	754	0	0	0
indoxacarb	fat	0.02	1	754	0	0	0
malathion	fat	0.01	1	754	0	0	0
melamine	kidney	0.01	not set	331	0	0	2
methidathion	fat	0.02	0.5	754	0	0	0
methoxychlor	fat	0.02	not set	754	0	0	0
mevinphos	fat	0.01	not set	239	0	0	0
omethoate	fat	0.02	not set	754	0	0	0
parathion-methyl	fat	0.02	not set	754	0	0	0
permethrin	fat	0.02	1	754	0	0	0
phosmet	fat	0.02	0.05	754	0	0	0
pirimiphos-methyl	fat	0.02	0.05	754	0	0	0
prothiofos	fat	0.01	not set	754	0	0	0
pyraclofos	fat	0.02	0.5	754	0	0	0
spinetoram	fat	0.005	2	333	0	0	0
spinosad	fat	0.005	2	333	16	0	0
spirotetramat	fat	0.02	0.02	754	0	0	0
sulfoxaflor	fat	0.01	not set	292	0	0	0
tau-fluvalinate	fat	0.01	not set	754	0	0	0
temephos	fat	0.02	3	754	3	0	0
triflumuron	fat	0.01	2	333	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	331	3	0	0
arsenic	liver	0.05	no limit	331	0	0	0
cadmium	liver	0.01	1.25	331	288	9	3
lead	liver	0.01	0.5	331	228	4	2
mercury	liver	0.01	no limit	331	16	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
talernanol	liver	0.002	no limit	331	0	0	0
zearalanone	liver	0.002	no limit	331	0	0	0
zearalenol, alpha-	liver	0.002	no limit	331	5	0	0
zearalenol, beta-	liver	0.002	no limit	331	10	0	0
zearalenone	liver	0.002	no limit	331	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
cimaterol	liver	0.0003	not set	331	0	0	0
clenbuterol	liver	0.0003	not set	331	0	0	0
flunixin	kidney	0.01	not set	331	0	0	0
ketoprofen	kidney	0.01	not set	331	0	0	0
mabuterol	liver	0.0003	not set	331	0	0	0
oxyphenbutazone	kidney	0.01	not set	331	0	0	0
phenylbutazone	kidney	0.01	not set	331	0	0	0
ractopamine	liver	0.0003	not set	331	0	0	0
salbutamol	liver	0.001	not set	331	0	0	0
tolfenamic acid	kidney	0.005	not set	331	0	0	0
zilpaterol	liver	0.0003	not set	331	0	0	0