



# Goat residue testing annual datasets 2018–19

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, retina 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.

## Disclaimer

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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	0.1	101	1	0	0
albendazole	liver	0.001	0.1	5	0	0	0
clorsulon	liver	0.08	not set	5	0	0	0
derquantel	fat	0.001	not set	101	0	0	0
doramectin	fat	0.005	not set	101	0	0	0
emamectin	fat	0.005	0.01	101	0	0	0
eprinomectin B1a	fat	0.005	not set	101	0	0	0
fenbendazole	liver	0.001	0.5	5	0	0	0
ivermectin H2B1a	fat	0.005	not set	101	0	0	0
mebendazole	liver	0.005	0.02	5	0	0	0
milbemectin	fat	0.01	0.002	101	0	0	0
monepantel sulphone	fat	0.005	not set	101	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
moxidectin	fat	0.005	not set	101	0	0	1
nitroxylin	liver	0.012	1	5	0	0	0
oxfendazole (fenbendazole sulfoxide)	liver	0.001	3	5	0	0	0
oxibendazole	liver	0.001	not set	5	0	0	0
oxyclozanide	liver	0.005	2	5	0	0	0
praziquantel	fat	0.005	not set	101	0	0	0
thiabendazole-A	liver	0.006	0.2	5	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
amoxicillin	kidney	0.01	0.01	35	0	0	0
ampicillin	kidney	0.01	not set	35	0	0	0
apramycin	kidney	0.25	2	35	0	0	0
avilamycin	kidney	0.1	not set	35	0	0	0
benzyl G penicillin	kidney	0.01	0.06	35	0	0	0
ceftiofur (desfuroylceftiofur)	kidney	0.2	not set	35	0	0	0
cefuroxime	kidney	0.05	not set	35	0	0	0
cephalonium	kidney	0.05	not set	35	0	0	0
chlortetracycline	kidney	0.01	not set	35	0	0	0
ciprofloxacin	kidney	0.005	not set	10	0	0	0
cloxacillin	kidney	0.05	not set	35	0	0	0
danofloxacin	kidney	0.005	not set	10	0	0	0
difloxacin	kidney	0.005	not set	10	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	35	0	0	0
doxycycline	kidney	0.01	not set	35	0	0	0
enrofloxacin	kidney	0.005	not set	10	0	0	0
erythromycin	kidney	0.1	0.3	35	0	0	0
flumequine	kidney	0.005	not set	10	0	0	0
gatifloxacin	kidney	0.005	not set	10	0	0	0
gentamycin	kidney	0.1	not set	35	0	0	0
levofloxacin	kidney	0.005	not set	10	0	0	0
lincomycin	kidney	0.1	0.2	35	0	0	0
lomefloxacin	kidney	0.005	not set	10	0	0	0
marbofloxacin	kidney	0.005	not set	10	0	0	0
moxifloxacin	kidney	0.005	not set	10	0	0	0
nalidixic acid	kidney	0.005	not set	10	0	0	0
neomycin	kidney	0.1	10	35	0	0	0

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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	0.005	not set	10	0	0	0
oleandomycin	kidney	0.2	0.1	35	0	0	0
orbifloxacin	kidney	0.005	not set	10	0	0	0
oxolinic acid	kidney	0.005	not set	10	0	0	0
oxytetracycline	kidney	0.01	0.6	35	0	0	0
sarafloxacin	kidney	0.005	not set	10	0	0	0
streptomycin	kidney	0.1	0.3	35	0	0	0
sulfachloropyridazine	kidney	0.05	not set	35	0	0	0
sulfadiazine	kidney	0.05	0.1	35	0	0	0
sulfadimethoxine	kidney	0.05	not set	35	0	0	0
sulfadimidine (sulfamethazine)	kidney	0.05	0.1	35	0	0	0
sulfadoxine	kidney	0.05	0.1	35	0	0	0
sulfafurazole	kidney	0.05	not set	35	0	0	0
sulfamerazine	kidney	0.05	not set	35	0	0	0
sulfamethoxazole	kidney	0.05	not set	35	0	0	0
sulfamethoxydiazine (sulfameter)	kidney	0.05	not set	35	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	35	0	0	0
sulfapyridine	kidney	0.05	not set	35	0	0	0
sulfaquinoxaline	kidney	0.05	not set	35	0	0	0
sulfathiazole	kidney	0.05	not set	35	0	0	0
sulfatroxazole	kidney	0.05	0.1	35	0	0	0
tetracycline	kidney	0.01	not set	35	0	0	0
tilmicosin	kidney	0.2	not set	35	0	0	0
trimethoprim	kidney	0.05	0.05	35	0	0	0
tulathromycin	kidney	0.3	not set	35	0	0	0
tylosin	kidney	0.1	not set	35	0	0	0
virginiamycin	kidney	0.2	not set	35	0	0	0

**Table 3 Anticoccidials**

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
amprolium	liver	0.01	not set	30	0	0	0
decoquinate	liver	0.002	not set	19	0	0	0
diclazuril	liver	0.01	not set	19	0	0	0
halofuginone	liver	0.01	not set	30	0	0	0
lasalocid	liver	0.01	0.7	30	0	0	0
maduramicin	liver	0.002	not set	30	0	0	0
monensin	liver	0.01	0.05	30	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
narasin	liver	0.01	not set	30	0	0	0
nicarbazin (4,4'-dinitrocarbanilide)	liver	0.01	not set	30	0	0	0
salinomycin	liver	0.002	not set	30	0	0	0
semduramycin	liver	0.002	not set	30	0	0	0
toltrazuril	liver	0.01	not set	19	0	0	0

**Table 4 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 (HHDN+HEOD)	fat	0.02	0.2	131	0	0	0
arochlor 1254	fat	0.03	0.2	131	0	0	0
arochlor 1260	fat	0.03	0.2	131	0	0	0
chlordane	fat	0.02	0.2	131	0	0	0
DDT	fat	0.05	5	131	0	0	0
endosulfan	fat	0.02	not set	131	0	0	0
endrin	fat	0.01	not set	131	0	0	0
HCB (hexachlorobenzene)	fat	0.02	1	131	0	0	0
HCH (BHC)	fat	0.02	0.3	131	0	0	0
heptachlor	fat	0.02	0.2	131	0	0	0
lindane (gamma-HCH)	fat	0.01	2	131	0	0	0
mirex	fat	0.02	not set	131	0	0	0
pentachlorobenzene	fat	0.02	not set	131	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
amisulbrom	fat	0.01	0.01	43	0	0	0
bixafen	fat	0.02	0.2	131	0	0	0
boscalid	fat	0.01	0.3	131	0	0	0
carbendazim	fat	0.01	0.2	131	0	0	0
cyproconazole	fat	0.02	0.03	131	0	0	0
difenoconazole	fat	0.01	0.05	43	0	0	0
fludioxonil	fat	0.01	0.05	43	0	0	0
fluopicolide	fat	0.01	0.01	43	0	0	0
fluopyram-A	fat	0.01	0.02	43	0	0	0
fluquinconazole	fat	0.01	0.5	131	0	0	0
flutriafol	fat	0.02	0.05	131	0	0	0
fluxapyroxad	fat	0.01	0.05	131	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
imazalil	fat	0.01	not set	43	0	0	0
mandestrobin	fat	0.01	not set	43	0	0	0
procymidone	fat	0.02	0.2	131	0	0	0
propamocarb	fat	0.01	0.01	43	0	0	0
propiconazole	fat	0.02	0.1	131	0	0	0
prothioconazole	fat	0.02	0.02	131	0	0	0
pyrimethanil	fat	0.01	0.05	43	0	0	0
pyriofenone	fat	0.01	0.01	43	0	0	0
quinoxifen	fat	0.01	0.1	43	0	0	0
quintozene	fat	0.02	0.2	131	0	0	0
tebuconazole	fat	0.01	0.1	43	0	0	0
trifloxystrobin	fat	0.01	0.05	43	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
cloquintocet	fat	0.01	0.1	43	0	0	0
ethofumesate	fat	0.02	0.5	131	0	0	0
indaziflam	fat	0.01	not set	43	0	0	0
metazachlor	fat	0.01	0.05	131	0	0	0
metolachlor	fat	0.02	0.05	131	0	0	0
propachlor	fat	0.02	0.02	131	0	0	0
pyrasulfotole	fat	0.01	0.01	131	0	0	0
pyroxsulam	fat	0.01	0.01	43	0	0	0
saflufenacil-A	fat	0.01	0.01	43	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
betamethasone	liver	0.001	not set	5	0	0	0
dexamethasone	liver	0.001	not set	5	0	0	0
flumethasone	liver	0.001	not set	5	0	0	0
methylprednisolone	liver	0.001	not set	5	0	0	0
triamcinolone	liver	0.001	not set	5	0	0	0
triamcinolone acetonide	liver	0.001	not set	5	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	> M RL
acetamiprid-A	fat	0.01	0.01	43	0	0	0
bifenthrin	fat	0.02	2	131	1	0	0
bioresmethrin	fat	0.02	not set	131	0	0	0
carbaryl	fat	0.01	0.07	131	0	0	0
chlorantraniliprole	fat	0.01	0.02	131	0	0	0
chlorfenapyr	fat	0.02	0.05	131	0	0	0
chlorfenvinphos	fat	0.02	0.2	131	0	0	0
chlorpyrifos	fat	0.02	0.5	131	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	131	0	0	0
clothianidin	fat	0.01	0.02	43	0	0	0
coumaphos	fat	0.02	not set	131	0	0	0
cyantraniliprole	fat	0.01	not set	43	0	0	0
cyfluthrin	fat	0.02	0.5	131	0	0	0
cyhalothrin	fat	0.02	0.5	131	0	0	0
cypermethrin	fat	0.02	0.5	131	1	0	0
deltamethrin	fat	0.02	0.2	131	1	0	0
diafenthiuron	fat	0.01	0.02	131	0	0	0
diazinon	fat	0.02	0.7	131	0	0	0
dichlorvos	fat	0.02	0.01	131	0	0	0
dicofol	fat	0.01	not set	131	0	0	0
dimethoate	fat	0.02	0.05	131	0	0	0
dinotefuran	fat	0.03	0.02	131	0	0	0
esfenvalerate	fat	0.02	1	131	0	0	0
ethion	fat	0.02	not set	131	0	0	0
famphur	fat	0.02	not set	131	0	0	0
fenitrothion	fat	0.02	0.05	131	0	0	0
fenthion	fat	0.02	not set	131	0	0	0
fenvalerate	fat	0.02	1	131	0	0	0
fipronil	fat	0.02	0.1	131	0	0	0
flonicamid-A	fat	0.01	0.02	43	0	0	0
flubendiamide	fat	0.01	0.05	131	0	0	0
flumethrin	fat	0.02	not set	131	0	0	0
imidacloprid	fat	0.01	0.05	131	0	0	0
indoxacarb	fat	0.02	1	131	0	0	0
malathion (maldison)	fat	0.01	1	131	0	0	0
metaflumizone	fat	0.01	not set	43	0	0	0
methidathion	fat	0.02	0.5	131	0	0	0
methoxychlor	fat	0.02	not set	131	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
mevinphos	fat	0.01	0.05	131	0	0	0
omethoate	fat	0.02	0.05	131	0	0	0
parathion-methyl	fat	0.02	not set	131	0	0	0
permethrin	fat	0.02	1	131	0	0	0
phosmet	fat	0.02	0.05	131	0	0	0
pirimiphos-methyl	fat	0.02	0.05	131	0	0	0
prothiofos	fat	0.01	not set	131	0	0	0
pyraclofos	fat	0.02	not set	131	0	0	0
spinetoram	fat	0.005	2	101	0	0	0
spinosad	fat	0.005	2	101	3	0	0
spirotetramat	fat	0.02	0.02	131	0	0	0
sulfoxaflor	fat	0.01	0.2	131	0	0	0
tau-fluvalinate	fat	0.01	not set	131	0	0	0
temephos	fat	0.02	not set	131	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	61	0	0	0
arsenic (total)	liver	0.05	no limit	61	0	0	0
cadmium	liver	0.01	no limit	61	38	0	0
lead	liver	0.01	no limit	61	39	0	0
mercury (total)	liver	0.01	no limit	61	4	0	0