



Goat residue testing annual datasets 2020–21

National Residue Survey (NRS), Department of Agriculture, Water and the Environment

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.

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Table 1: Anthelmintics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
abamectin	fat	0.005	0.1	100	0	0	0
albendazole	liver	0.001	0.1	6	0	0	0
clorsulon	liver	0.08	not set	6	0	0	0
closantel	liver	0.05	not set	6	0	0	0
derquantel	fat	0.001	not set	100	0	0	0
doramectin	fat	0.005	not set	100	0	0	0
emamectin	fat	0.002	0.01	100	0	0	0
eprinomectin B1a	fat	0.005	not set	100	0	0	0
fenbendazole	liver	0.001	0.5	6	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
fenbendazole sulfone	liver	0.001	no limit	6	0	0	0
flusulfone	fat	0.01	0.01	131	0	0	0
ivermectin H2B1a	fat	0.005	not set	100	0	0	0
levamisole	liver	0.001	1	6	0	0	0
mebendazole	liver	0.005	0.02	6	0	0	0
mebendazole, 5-hydroxy-	liver	0.005	not set	6	0	0	0
milbemectin	fat	0.01	0.002	100	0	0	0
monepantel sulphone	fat	0.005	not set	100	0	0	0
morantel	liver	0.001	2	6	0	0	0
moxidectin	fat	0.005	not set	100	0	0	2
nitroxylin	liver	0.012	1	6	0	0	0
oxfendazole (fenbendazole sulfoxide)	liver	0.001	3	6	0	0	0
oxibendazole	liver	0.001	not set	6	0	0	0
oxyclozanide	liver	0.005	2	6	0	0	0
praziquantel	fat	0.005	not set	100	0	0	0
thiabendazole	liver	0.006	0.2	6	0	0	0

Table 2: Antibiotics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
amoxicillin	kidney	0.01	0.01	36	0	0	0
ampicillin	kidney	0.01	not set	36	0	0	0
apramycin	kidney	0.1	2	36	0	0	0
avilamycin	kidney	0.05	not set	36	0	0	0
benzyl G penicillin	kidney	0.01	0.06	36	0	0	0
ceftiofur (desfuroylceftiofur)	kidney	0.1	not set	36	0	0	0
cefuroxime	kidney	0.05	not set	36	0	0	0
cephalonium	kidney	0.05	not set	36	0	0	0
chloramphenicol	muscle	0.0003	not set	5	0	0	0
chlortetracycline	kidney	0.01	not set	36	0	0	0
ciprofloxacin	kidney	0.005	not set	10	0	0	0
cloxacillin	kidney	0.01	not set	36	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	36	0	0	0
doxycycline	kidney	0.01	not set	36	0	0	0
enrofloxacin	kidney	0.005	not set	10	0	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
erythromycin	kidney	0.1	0.3	36	0	0	0
florfenicol	muscle	0.001	not set	5	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	36	0	0	0
levofloxacin	kidney	0.005	not set	10	0	0	0
lincomycin	kidney	0.1	0.2	36	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	36	0	0	0
norfloxacin	kidney	0.005	not set	10	0	0	0
oleandomycin	kidney	0.1	0.1	36	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	36	0	0	0
sarafloxacin	kidney	0.005	not set	10	0	0	0
streptomycin	kidney	0.1	0.3	36	0	0	0
sulfachloropyridazine	kidney	0.05	not set	36	0	0	0
sulfadiazine	kidney	0.02	0.1	36	0	0	0
sulfadimethoxine	kidney	0.05	not set	36	0	0	0
sulfadimidine (sulfamethazine)	kidney	0.02	0.1	36	0	0	0
sulfadoxine	kidney	0.05	0.1	36	0	0	0
sulfafurazole	kidney	0.05	not set	36	0	0	0
sulfamerazine	kidney	0.05	not set	36	0	0	0
sulfamethoxazole	kidney	0.05	not set	36	0	0	0
sulfamethoxydiazine (sulfameter)	kidney	0.05	not set	36	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	36	0	0	0
sulfapyridine	kidney	0.05	not set	36	0	0	0
sulfaquinoxaline	kidney	0.05	not set	36	0	0	0
sulfathiazole	kidney	0.05	not set	36	0	0	0
sulfatroxazole	kidney	0.05	0.1	36	0	0	0
tetracycline	kidney	0.01	not set	36	0	0	0
thiamphenicol	muscle	0.001	not set	5	0	0	0
tilmicosin	kidney	0.1	not set	36	0	0	0
trimethoprim	kidney	0.01	0.05	36	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
tulathromycin	kidney	0.1	not set	36	0	0	0
tylosin	kidney	0.1	not set	36	0	0	0
virginiamycin	kidney	0.005	not set	36	0	0	0

Table 3: Anticoccidials

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
amprolium	liver	0.01	not set	36	0	0	0
decoquinate	liver	0.002	not set	36	0	0	0
diclazuril	liver	0.01	not set	36	0	0	0
halofuginone	liver	0.01	not set	36	0	0	0
lasalocid	liver	0.01	0.7	36	0	0	0
maduramicin	liver	0.002	not set	36	0	0	0
monensin	liver	0.01	0.05	36	0	0	0
narasin	liver	0.01	not set	36	0	0	0
nicarbazin (4,4'-dinitrocarbanilide)	liver	0.01	not set	36	0	0	0
salinomycin	liver	0.002	not set	36	0	0	0
semduramycin	liver	0.002	not set	36	0	0	0
toltrazuril	liver	0.01	not set	36	0	0	0

Table 4: Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number 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
aroachlor 1254	fat	0.03	0.2	131	0	0	0
aroachlor 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)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
amisulbrom	fat	0.01	0.01	131	0	0	0
azoxystrobin	fat	0.01	0.02	131	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	131	0	0	0
epoxiconazole	fat	0.01	0.01	131	0	0	0
fenpyrazamine	fat	0.01	0.01	131	0	0	0
fludioxonil	fat	0.01	0.05	131	0	0	0
fluopicolide	fat	0.01	0.01	131	0	0	0
fluopyram	fat	0.01	0.7	131	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
imazalil	fat	0.01	not set	131	0	0	0
isopyrazam	fat	0.01	0.005	131	0	0	0
mandestrobin	fat	0.01	0.02	131	0	0	0
procymidone	fat	0.02	0.2	131	0	0	0
propamocarb	fat	0.01	0.01	131	0	0	0
propiconazole	fat	0.02	0.1	131	0	0	0
prothioconazole	fat	0.02	0.02	131	0	0	0
pydiflumetofen	fat	0.01	not set	131	0	0	0
pyraclostrobin	fat	0.01	0.05	131	0	0	0
pyrimethanil	fat	0.01	0.05	131	0	0	0
pyriofenone	fat	0.01	0.01	131	0	0	0
quinoxifen	fat	0.01	0.1	131	0	0	0
quintozene	fat	0.02	0.2	131	0	0	0
spiroxamine	fat	0.01	0.05	131	0	0	0
tebuconazole	fat	0.01	0.1	131	0	0	0
trifloxystrobin	fat	0.01	0.05	131	0	0	0

Table 6: Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
amicarbazone	fat	0.01	0.01	131	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
Cloquintocet-mexyl	fat	0.01	0.1	131	0	0	0
ethofumesate	fat	0.02	0.5	131	0	0	0
florpyrauxifen-benzyl	fat	0.01	0.02	131	0	0	0
indaziflam	fat	0.01	not set	131	0	0	0
metamitron	fat	0.01	0.05	131	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	131	0	0	0
saflufenacil	fat	0.01	0.01	131	0	0	0
topramezone	fat	0.01	0.01	131	0	0	0

Table 7: Hormones

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
betamethasone	liver	0.001	not set	5	0	0	0
dexamethasone	liver	0.001	not set	5	0	0	0
dienoestrol	liver	0.0002	not set	6	0	0	0
diethylstilboestrol	liver	0.0002	not set	6	0	0	0
flumethasone	liver	0.001	not set	5	0	0	0
hexoestrol	liver	0.0002	not set	6	0	0	0
methylprednisolone	liver	0.001	not set	5	0	0	0
trenbolone	liver	0.0005	not set	6	0	0	0
triamcinolone	liver	0.001	not set	5	0	0	0
triamcinolone acetonide	liver	0.001	not set	5	0	0	0
zeranol (alpha-zearalanol)	liver	0.002	not set	6	0	0	0

Table 8: Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
acetamiprid	fat	0.01	0.01	130	0	0	0
afidopyropen	fat	0.012	0.1	49	0	0	0
bifenthrin	fat	0.02	2	130	0	0	0
bioresmethrin	fat	0.02	not set	130	0	0	0
carbaryl	fat	0.01	0.07	130	0	0	0
chlorantraniliprole	fat	0.01	0.02	130	0	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
chlorfenapyr	fat	0.02	0.05	131	0	0	0
chlorfenvinphos (sum of isomers)	fat	0.02	0.2	131	0	0	0
chlorpyrifos	fat	0.01	0.5	131	0	0	0
chlorpyrifos-methyl	fat	0.01	0.05	131	0	0	0
clothianidin	fat	0.01	0.02	131	0	0	0
coumaphos	fat	0.02	not set	131	0	0	0
cyantraniliprole	fat	0.01	0.01	131	0	0	0
cyclaniliprole	fat	0.01	0.01	131	0	0	0
cyfluthrin (sum of isomers)	fat	0.02	0.5	131	0	0	0
cyhalothrin (sum of isomers)	fat	0.02	0.5	131	0	0	0
cypermethrin (sum of isomers)	fat	0.02	0.5	131	1	0	0
deltamethrin	fat	0.02	0.2	131	0	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	86	0	0	0
ethion	fat	0.02	not set	131	0	0	0
famphur	fat	0.02	not set	131	0	0	0
famphur oxygen-analogue	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 (sum of isomers)	fat	0.02	1	131	0	0	0
fipronil	fat	0.01	0.1	131	0	1	0
flonicamid	fat	0.01	0.02	131	0	0	0
flubendiamide	fat	0.01	0.05	131	0	0	0
flumethrin	fat	0.02	not set	131	0	0	0
flupyradifurone	fat	0.01	not set	131	0	0	0
imidacloprid	fat	0.01	0.05	131	0	0	0
indoxacarb	fat	0.02	3	131	0	0	0
malathion (maldison)	fat	0.01	1	131	0	0	0
metaflumizone	fat	0.01	not set	131	0	0	0
methidathion	fat	0.02	not set	131	0	0	0
methoxychlor	fat	0.02	not set	131	0	0	0
mevinphos	fat	0.01	0.05	131	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
omethoate	fat	0.02	0.05	131	0	0	0
parathion-methyl	fat	0.02	not set	131	0	0	0
permethrin (sum of isomers)	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	100	0	0	0
spinosad	fat	0.005	2	100	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)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
antimony	liver	0.01	no limit	60	2	0	0
arsenic (total)	liver	0.05	no limit	60	0	0	0
cadmium	liver	0.01	no limit	60	36	0	0
lead	liver	0.01	no limit	60	29	0	0
mercury (total)	liver	0.01	no limit	60	1	0	0

Table 10: Mycotoxins

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
taleralanol (beta-zearalanol)	liver	0.002	no limit	6	0	0	0
zearalanone	liver	0.002	no limit	6	0	0	0
zearalenol alpha	liver	0.002	no limit	6	0	0	0
zearalenol beta	liver	0.002	no limit	6	0	0	0
zearalenone	liver	0.002	no limit	6	0	0	0

Table 11: Other Veterinary Drugs

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
cimaterol	liver	0.0003	not set	5	0	0	0
clenbuterol	liver	0.0003	not set	5	0	0	0

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flunixin	kidney	0.01	not set	5	0	0	0
ketoprofen	kidney	0.01	not set	5	0	0	0
mabuterol	liver	0.0003	not set	5	0	0	0
meloxicam	kidney	0.005	not set	5	0	0	0
oxyphenbutazone	kidney	0.005	not set	5	0	0	0
phenylbutazone	kidney	0.005	not set	5	0	0	0
ractopamine	liver	0.0003	not set	5	0	0	0
salbutamol	liver	0.001	not set	5	0	0	0
tolfenamic acid	kidney	0.005	not set	5	0	0	0
zilpaterol	liver	0.0003	not set	5	0	0	0