



Goat residue testing annual datasets 2022-23

National Residue Survey (NRS), Department of Agriculture, Fisheries and Forestry

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	103	0	0	0
albendazole	Liver	0.001	0.1	5	0	0	0
clorsulon	Liver	0.08	not set	5	0	0	0
closantel	Liver	0.05	not set	5	0	0	0
derquantel	Fat	0.001	not set	103	0	0	0
doramectin	Fat	0.005	not set	103	0	0	0
emamectin	Fat	0.002	0.01	103	0	0	0
eprinomectin	Fat	0.005	not set	103	0	0	0
fenbendazole	Liver	0.001	0.5	5	0	0	0
fenbendazole sulfone	Liver	0.001	0.5	5	0	0	0
flubendazole	Liver	0.001	not set	5	0	0	0
ivermectin	Fat	0.005	not set	103	0	0	0
levamisole	Liver	0.001	1	5	0	0	0
mebendazole	Liver	0.005	0.02	5	0	0	0
mebendazole, 5-hydroxy-	Liver	0.005	not set	5	0	0	0
milbemectin	Fat	0.01	0.002	103	0	0	0
monepantel sulphone	Fat	0.005	not set	103	0	0	0
morantel	Liver	0.001	2	5	0	0	0
moxidectin	Fat	0.005	not set	103	0	0	4
nitroxynil	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
parbendazole	Liver	0.001	not set	5	0	0	0
praziquantel	Fat	0.005	not set	103	0	0	0
rafoxanide	Liver	0.01	not set	5	0	0	0
thiabendazole	Liver	0.004	0.2	5	0	0	0

Table 2: ANTIBIOTICS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
amoxicillin	Kidney	0.01	0.01	31	0	0	0
ampicillin	Kidney	0.01	not set	31	0	0	0
apramycin	Kidney	0.05	2	31	0	0	0
avilamycin	Kidney	0.05	not set	31	0	0	0
benzyl G penicillin	Kidney	0.01	0.06	31	0	0	0
ceftiofur (desfuroylceftiofur)	Kidney	0.1	not set	31	0	0	0
cefuroxime	Kidney	0.05	not set	31	0	0	0

cephalonium	Kidney	0.05	not set	31	0	0	0
chloramphenicol	Muscle	0.0001	not set	5	0	0	0
chlortetracycline	Kidney	0.01	not set	31	0	0	0
ciprofloxacin	Kidney	0.005	not set	10	0	0	0
cloxacillin	Kidney	0.01	not set	31	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	31	0	0	0
doxycycline	Kidney	0.01	not set	31	0	0	0
enrofloxacin	Kidney	0.005	not set	10	0	0	0
erythromycin	Kidney	0.05	0.3	31	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	0.05	not set	31	0	0	0
levofloxacin	Kidney	0.005	not set	10	0	0	0
lincomycin	Kidney	0.05	0.2	31	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	0.05	10	31	0	0	0
norfloxacin	Kidney	0.005	not set	10	0	0	0
oleandomycin	Kidney	0.05	0.1	31	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	31	0	0	0
sarafloxacin	Kidney	0.005	not set	10	0	0	0
streptomycin	Kidney	0.1	0.3	31	0	0	0
sulfachloropyridazine	Kidney	0.02	not set	31	0	0	0
sulfadiazine	Kidney	0.01	0.1	31	0	0	0
sulfadimethoxine	Kidney	0.02	not set	31	0	0	0
sulfadimidine (sulfamethazine)	Kidney	0.01	0.1	31	0	0	0
sulfadoxine	Kidney	0.02	0.1	31	0	0	0
sulfafurazole	Kidney	0.02	not set	31	0	0	0
sulfamerazine	Kidney	0.02	not set	31	0	0	0
sulfamethoxazole	Kidney	0.02	not set	31	0	0	0
sulfamethoxydiazine (sulfameter)	Kidney	0.02	not set	31	0	0	0
sulfamethoxypyridazine	Kidney	0.02	not set	31	0	0	0
sulfapyridine	Kidney	0.02	not set	31	0	0	0
sulfaquinoxaline	Kidney	0.02	not set	31	0	0	0
sulfathiazole	Kidney	0.02	not set	31	0	0	0
sulfatroxazole	Kidney	0.02	0.1	31	0	0	0
tetracycline	Kidney	0.01	not set	31	0	0	0
thiamphenicol	Muscle	0.001	not set	5	0	0	0
tilmicosin	Kidney	0.05	not set	31	0	0	0
trimethoprim	Kidney	0.01	0.05	31	0	0	0
tulathromycin	Kidney	0.1	not set	31	0	0	0
tylosin	Kidney	0.1	not set	31	0	0	0
virginiamycin	Kidney	0.005	not set	31	0	0	0

*In some instances, tetracycline may be present as an impurity in a chlortetracycline or oxytetracycline product and is not considered to be a violative residue.

Table 3: ANTICOCCIDIALS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤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
semduramicin	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 ≤½MRL	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	Fat	0.02	0.2	103	0	0	0
arochlor 1254	Fat	0.03	0.2	103	0	0	0
arochlor 1260	Fat	0.03	0.2	103	0	0	0
chlordane	Fat	0.02	0.2	103	0	0	0

DDT	Fat	0.05	5	103	0	0	0
endosulfan	Fat	0.02	not set	103	0	0	0
endrin	Fat	0.01	not set	103	0	0	0
HCB (hexachlorobenzene)	Fat	0.02	1	103	0	0	0
HCH (BHC)	Fat	0.02	0.3	103	0	0	0
heptachlor	Fat	0.02	0.2	103	0	0	0
lindane (gamma-HCH)	Fat	0.01	2	103	0	0	0
mirex	Fat	0.02	not set	103	0	0	0
pentachlorobenzene	Fat	0.02	not set	103	0	0	0

Table 5: DIOXINS

Chemical	Matrix	LOR (pg/g)	MRL (pg/g)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
Dioxin-like PCBs Upper Bound	Fat	0	no limit	5	5	0	0
Dioxins+Furans Upper Bound	Fat	0	no limit	5	5	0	0
Dioxins+Furans+Dioxin-likePCBs Upper Bound	Fat	0	no limit	5	5	0	0

*pg TEQ/g (fat) expressed on an upper bound basis.

Table 6: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
amisulbrom	Fat	0.01	0.01	103	0	0	0
azoxystrobin	Fat	0.01	0.02	103	0	0	0
benzovindiflupyr	Fat	0.01	0.01	103	0	0	0
bixafen	Fat	0.02	0.2	103	0	0	0
boscalid	Fat	0.01	0.3	103	0	0	0
carbendazim	Fat	0.01	0.2	103	0	0	0
cyproconazole	Fat	0.02	0.03	103	0	0	0
difenoconazole	Fat	0.01	0.05	103	0	0	0
epoxiconazole	Fat	0.01	0.01	103	0	0	0
fenhexamid	Fat	0.01	0.05	103	0	0	0
fenpyrazamine	Fat	0.01	0.01	103	0	0	0
fludioxonil	Fat	0.01	0.05	103	0	0	0
fluopicolide	Fat	0.01	0.01	103	0	0	0
fluopyram	Fat	0.01	0.1	103	0	0	0
fluquinconazole	Fat	0.01	0.5	103	0	0	0
flutriafol	Fat	0.02	0.05	103	0	0	0
fluxapyroxad	Fat	0.01	0.05	103	0	0	0
imazalil	Fat	0.01	not set	103	0	0	0
isofetamid	Fat	0.01	0.02	103	0	0	0
isopyrazam	Fat	0.01	0.005	103	0	0	0
mandestrobin	Fat	0.01	0.02	103	0	0	0
mefentrifluconazole	Fat	0.01	0.2	103	0	0	0
procymidone	Fat	0.02	0.2	103	0	0	0
propamocarb	Fat	0.01	0.01	103	0	0	0
propiconazole	Fat	0.02	0.1	103	0	0	0
proquinazid	Fat	0.01	0.01	103	0	0	0
prothioconazole	Fat	0.02	0.02	103	0	0	0
pydiflumetofen	Fat	0.01	0.02	103	0	0	0
pyraclostrobin	Fat	0.01	0.05	103	0	0	0
pyrimethanil	Fat	0.01	0.05	103	0	0	0
pyriofenone	Fat	0.01	0.01	103	0	0	0
quinoxifen	Fat	0.01	0.1	103	0	0	0
quintozene	Fat	0.02	0.2	103	0	0	0
spiroxamine	Fat	0.01	0.05	103	0	0	0
tebuconazole	Fat	0.01	0.1	103	0	0	0
trifloxystrobin	Fat	0.01	0.05	103	0	0	0

Table 7: HERBICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
amicarbazone	Fat	0.01	0.01	103	0	0	0
cinmethylin	Fat	0.01	0.01	103	0	0	0
cloquintocet-mexyl	Fat	0.01	0.1	103	0	0	0
ethofumesate	Fat	0.02	0.5	103	0	0	0
florpyrauxifen-benzyl	Fat	0.01	0.02	103	0	0	0
indaziflam	Fat	0.01	not set	103	0	0	0
metamitron	Fat	0.01	0.05	103	0	0	0
metazachlor	Fat	0.01	0.05	103	0	0	0
metolachlor	Fat	0.02	0.05	103	0	0	0
propachlor	Fat	0.02	0.02	103	0	0	0
pyrasulfotole	Fat	0.01	0.01	103	0	0	0
pyroxsulam	Fat	0.01	0.01	103	0	0	0

saflufenacil	Fat	0.01	0.01	103	0	0	0
topramezone	Fat	0.01	0.01	103	0	0	0
trifludimoxazin	Fat	0.01	0.01	103	0	0	0

Table 8: 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	5	0	0	0
diethylstilboestrol	Liver	0.0002	not set	5	0	0	0
flumethasone	Liver	0.001	not set	5	0	0	0
hexoestrol	Liver	0.0002	not set	5	0	0	0
methylprednisolone	Liver	0.001	not set	5	0	0	0
trenbolone	Liver	0.0005	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
zeranol (alpha-zearalanol)	Liver	0.002	not set	5	0	0	0

Table 9: INSECTICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
acequinocyl	Fat	0.01	0.02	103	0	0	0
acetamiprid	Fat	0.01	0.01	103	0	0	0
afidopyropen	Fat	0.012	0.1	103	0	0	0
bifenthrin	Fat	0.02	2	103	0	0	0
bioresmethrin	Fat	0.02	0.02	103	0	0	0
buprofezin	Fat	0.01	0.05	103	0	0	0
carbaryl	Fat	0.01	0.07	103	0	0	0
chlorantraniliprole	Fat	0.01	0.02	103	0	0	0
chlorfenapyr	Fat	0.02	0.05	103	0	0	0
chlorfenvinphos	Fat	0.005	0.2	103	0	0	0
chlorfluazuron	Fat	0.01	not set	103	0	0	0
chlorpyrifos	Fat	0.01	0.5	103	0	0	0
chlorpyrifos-methyl	Fat	0.01	0.05	103	0	0	0
clothianidin	Fat	0.01	0.02	103	0	0	0
coumaphos	Fat	0.02	not set	103	0	0	0
cyantraniliprole	Fat	0.01	0.01	103	0	0	0
cyclaniliprole	Fat	0.01	0.01	103	0	0	0
cyfluthrin	Fat	0.02	0.5	103	0	0	0
cyhalothrin	Fat	0.02	0.5	103	0	0	0
cypermethrin	Fat	0.02	0.5	103	0	0	0
deltamethrin	Fat	0.02	0.2	103	0	0	0
diafenthiuron	Fat	0.01	0.02	103	0	0	0
diazinon	Fat	0.02	0.7	103	0	0	0
dichlorvos	Fat	0.02	0.01	103	0	0	0
dicofol	Fat	0.01	not set	103	0	0	0
diflubenzuron	Fat	0.01	not set	103	0	0	0
dimethoate	Fat	0.02	0.05	103	0	0	0
dinotefuran	Fat	0.03	0.02	103	0	0	0
ethion	Fat	0.02	not set	103	0	0	0
etofenprox	Fat	0.01	0.01	103	0	0	0
famphur	Fat	0.02	not set	103	0	0	0
famphur oxygen-analogue	Fat	0.02	not set	103	0	0	0
fenitrothion	Fat	0.02	0.05	103	0	0	0
fenthion	Fat	0.02	not set	103	0	0	0
fenvalerate	Fat	0.02	1	103	0	0	0
fipronil	Fat	0.01	0.1	103	0	0	0
flonicamid	Fat	0.01	0.02	103	0	0	0
fluazuron	Fat	0.01	not set	103	0	0	0
flubendiamide	Fat	0.01	0.05	103	0	0	0
fluensulfone	Fat	0.01	0.01	103	0	0	0
flumethrin	Fat	0.02	not set	103	0	0	0
flupyradifurone	Fat	0.01	0.1	103	0	0	0
fluralaner	Fat	0.01	not set	103	0	0	0
imidacloprid	Fat	0.01	0.05	103	0	0	0
indoxacarb	Fat	0.02	3	103	0	0	0
malathion	Fat	0.01	1	103	0	0	0
metaflumizone	Fat	0.01	not set	103	0	0	0
methidathion	Fat	0.02	not set	103	0	0	0
methoxychlor	Fat	0.02	not set	103	0	0	0
mevinphos	Fat	0.01	0.05	103	0	0	0
novaluron	Fat	0.01	0.1	103	0	0	0
omethoate	Fat	0.02	0.05	103	0	0	0

parathion-methyl	Fat	0.02	not set	103	0	0	0
permethrin	Fat	0.02	1	103	0	0	0
phosmet	Fat	0.02	0.05	103	0	0	0
pirimiphos-methyl	Fat	0.02	0.05	103	0	0	0
prothiofos	Fat	0.01	not set	103	0	0	0
pyraclofos	Fat	0.02	not set	103	0	0	0
pyriproxyfen	Fat	0.01	0.02	103	0	0	0
spinetoram	Fat	0.005	2	103	0	0	0
spinosad	Fat	0.005	2	103	3	0	0
spirotetramat	Fat	0.01	0.02	103	0	0	0
sulfoxaflor	Fat	0.01	0.2	103	0	0	0
tau-fluvalinate	Fat	0.01	not set	103	0	0	0
temephos	Fat	0.02	not set	103	0	0	0
triflumuron	Fat	0.01	0.05	103	0	0	0

Table 10: 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	0	0	0
arsenic (total)	Liver	0.05	no limit	60	0	0	0
cadmium	Liver	0.01	no limit	60	26	0	0
lead	Liver	0.01	no limit	60	9	0	0
mercury (total)	Liver	0.01	no limit	60	1	0	0

Table 11: 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
taleranol (beta-zearalanol)	Liver	0.002	no limit	5	0	0	0
zearalanone	Liver	0.002	no limit	5	0	0	0
zearalenol alpha	Liver	0.002	no limit	5	0	0	0
zearalenol beta	Liver	0.002	no limit	5	0	0	0
zearalenone	Liver	0.002	no limit	5	0	0	0

Table 12: 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
flunixin	Kidney	0.01	not set	31	0	0	0
ketoprofen	Kidney	0.01	not set	31	0	0	0
mabuterol	Liver	0.0003	not set	5	0	0	0
meloxicam	Kidney	0.005	not set	31	0	0	0
oxyphenbutazone	Kidney	0.005	not set	31	0	0	0
phenylbutazone	Kidney	0.005	not set	31	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	31	0	0	0
zilpaterol	Liver	0.0003	not set	5	0	0	0