



# Australian Government

## Department of Agriculture, Fisheries and Forestry

# Goat residue testing annual datasets 2021-22

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.

### Disclaimer

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**Table 1: ANTHELMINTICS**

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
abamectin	Fat	0.005	0.1	101	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	101	0	0	0
doramectin	Fat	0.005	not set	101	0	0	0
emamectin	Fat	0.002	0.01	101	0	0	0
eprinomectin	Fat	0.005	not set	101	0	0	0
fenbendazole	Liver	0.001	0.5	5	0	0	0
fenbendazole sulfone	Liver	0.001	no limit	5	0	0	0
flubendazole	Liver	0.002	not set	5	0	0	0
ivermectin	Fat	0.005	not set	101	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	101	0	0	0
monepantel sulphone	Fat	0.005	not set	101	0	0	0
morantel	Liver	0.001	2	5	0	0	0
moxidectin	Fat	0.005	not set	101	0	0	3
nitroxylnil	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	101	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	0.0003	not set	6	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	6	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	6	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	0.05	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
decoquinatate	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 ≤½MRL	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	Fat	0.02	0.2	101	0	0	0
arochlor 1254	Fat	0.03	0.2	101	0	0	0
arochlor 1260	Fat	0.03	0.2	101	0	0	0
chlordane	Fat	0.02	0.2	101	0	0	0
DDT	Fat	0.05	5	101	0	0	0
endosulfan	Fat	0.02	not set	101	0	0	0
endrin	Fat	0.01	not set	101	0	0	0
HCB	Fat	0.02	1	101	0	0	0
HCH	Fat	0.02	0.3	101	0	0	0
heptachlor	Fat	0.02	0.2	101	0	0	0
lindane (gamma-HCH)	Fat	0.01	2	101	0	0	0
mirex	Fat	0.02	not set	101	0	0	0
pentachlorobenzene	Fat	0.02	not set	101	0	0	0

**Table 5: DIOXINS**

Chemical	Matrix	LOR (pg/g)	EU MRL (pg/g)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
Dioxin-like PCBs Upper Bound	Fat	1.0	1.5	5	0	0	0
Dioxins+Furans Upper Bound	Fat	1.0	2.5	5	0	0	0
Dioxins+Furans+Dioxin-likePCBs Upper Bound	Fat	1.0	4.0	5	0	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	101	0	0	0
azoxystrobin	Fat	0.01	0.02	101	0	0	0
bixafen	Fat	0.01	0.2	101	0	0	0
boscalid	Fat	0.01	0.3	101	0	0	0
carbendazim	Fat	0.01	0.2	101	0	0	0
cyproconazole	Fat	0.02	0.03	101	0	0	0
difenoconazole	Fat	0.01	0.05	101	0	0	0
epoxiconazole	Fat	0.01	0.01	101	0	0	0
fenpyrazamine	Fat	0.01	0.01	101	0	0	0
fludioxonil	Fat	0.01	0.05	101	0	0	0
fluopicolide	Fat	0.01	0.01	101	0	0	0
fluopyram	Fat	0.01	0.1	101	0	0	0
fluquinconazole	Fat	0.01	0.5	101	0	0	0
flutriafol	Fat	0.02	0.05	101	0	0	0
fluxapyroxad	Fat	0.01	0.05	101	0	0	0
imazalil	Fat	0.01	not set	101	0	0	0
isopyrazam	Fat	0.01	0.005	101	0	0	0
mandestrobin	Fat	0.01	0.02	101	0	0	0
procymidone	Fat	0.02	0.2	101	0	0	0
propamocarb	Fat	0.01	0.01	101	0	0	0
propiconazole	Fat	0.02	0.1	101	0	0	0
prothioconazole	Fat	0.01	0.02	101	0	0	0
pydiflumetofen	Fat	0.01	0.02	101	0	0	0
pyraclostrobin	Fat	0.01	0.05	101	0	0	0
pyrimethanil	Fat	0.01	0.05	101	0	0	0
pyriofenone	Fat	0.01	0.01	101	0	0	0
quinoxifen	Fat	0.01	0.1	101	0	0	0
quintozene	Fat	0.02	0.2	101	0	0	0
spiroxamine	Fat	0.01	0.05	101	0	0	0
tebuconazole	Fat	0.01	0.1	101	0	0	0
trifloxystrobin	Fat	0.01	0.05	101	0	0	0

**Table 7: 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	101	0	0	0
cloquintocet-mexyl	Fat	0.01	0.1	101	0	0	0
ethofumesate	Fat	0.02	0.5	101	0	0	0
florpyrauxifen-benzyl	Fat	0.01	0.02	101	0	0	0
indaziflam	Fat	0.01	not set	101	0	0	0
metamitron	Fat	0.01	0.05	101	0	0	0
metazachlor	Fat	0.01	0.05	101	0	0	0
metolachlor	Fat	0.02	0.05	101	0	0	0
propachlor	Fat	0.02	0.02	101	0	0	0
pyrasulfotole	Fat	0.01	0.01	101	0	0	0
pyroxsulam	Fat	0.01	0.01	101	0	0	0
saflufenacil	Fat	0.01	0.01	101	0	0	0
topramezone	Fat	0.01	0.01	101	0	0	0

**Table 8: HORMONES**

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
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 $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
acetamiprid	Fat	0.01	0.01	101	0	0	0
afidopyropen	Fat	0.012	0.1	101	0	0	0
bifenthrin	Fat	0.02	2	101	0	0	0
bioresmethrin	Fat	0.02	not set	101	0	0	0
carbaryl	Fat	0.01	0.07	101	0	0	0

chlorantraniliprole	Fat	0.01	0.02	101	0	0	0
chlorfenapyr	Fat	0.02	0.05	101	0	0	0
chlorfenvinphos	Fat	0.02	0.2	101	0	0	0
chlorfluazuron	Fat	0.01	not set	101	0	0	0
chlorpyrifos	Fat	0.01	0.5	101	0	0	0
chlorpyrifos-methyl	Fat	0.01	0.05	101	0	0	0
clothianidin	Fat	0.01	0.02	101	0	0	0
coumaphos	Fat	0.02	not set	101	0	0	0
cyantraniliprole	Fat	0.01	0.01	101	0	0	0
cyclaniliprole	Fat	0.01	0.01	101	0	0	0
cyfluthrin	Fat	0.02	0.5	101	0	0	0
cyhalothrin	Fat	0.02	0.5	101	0	0	0
cypermethrin	Fat	0.02	0.5	101	1	0	0
deltamethrin	Fat	0.02	0.2	101	0	0	0
diafenthiuron	Fat	0.01	0.02	101	0	0	0
diazinon	Fat	0.02	0.7	101	0	0	0
dichlorvos	Fat	0.02	0.01	101	0	0	0
dicofol	Fat	0.01	not set	101	0	0	0
diflubenzuron	Fat	0.01	not set	101	0	0	0
dimethoate	Fat	0.02	0.05	101	0	0	0
dinotefuran	Fat	0.03	0.02	101	0	0	0
ethion	Fat	0.02	not set	101	0	0	0
famphur	Fat	0.02	not set	101	0	0	0
famphur oxygen-analogue	Fat	0.02	not set	101	0	0	0
fenitrothion	Fat	0.02	0.05	101	0	0	0
fenthion	Fat	0.02	not set	101	0	0	0
fenvalerate	Fat	0.02	1	101	0	0	0
fipronil	Fat	0.01	0.1	101	0	0	0
flonicamid	Fat	0.01	0.02	101	0	0	0
fluazuron	Fat	0.01	not set	101	0	0	0
flubendiamide	Fat	0.01	0.05	101	0	0	0
fluensulfone	Fat	0.01	0.01	101	0	0	0
flumethrin	Fat	0.02	not set	101	0	0	0
flupyradifurone	Fat	0.01	not set	101	0	0	0
imidacloprid	Fat	0.01	0.05	101	0	0	0
indoxacarb	Fat	0.02	3	101	0	0	0
malathion	Fat	0.01	1	101	0	0	0
metaflumizone	Fat	0.01	not set	101	0	0	0
methidathion	Fat	0.02	not set	101	0	0	0
methoxychlor	Fat	0.02	not set	101	0	0	0
mevinphos	Fat	0.01	0.05	101	0	0	0
novaluron	Fat	0.01	0.1	101	0	0	0

omethoate	Fat	0.02	0.05	101	0	0	0
parathion-methyl	Fat	0.02	not set	101	0	0	0
permethrin	Fat	0.02	1	101	0	0	0
phosmet	Fat	0.02	0.05	101	0	0	0
pirimiphos-methyl	Fat	0.02	0.05	101	0	0	0
prothiofos	Fat	0.01	not set	101	0	0	0
pyraclofos	Fat	0.02	not set	101	0	0	0
spinetoram	Fat	0.005	2	101	0	0	0
spinosad	Fat	0.005	2	101	2	0	0
spirotetramat	Fat	0.01	0.02	101	0	0	0
sulfoxaflor	Fat	0.01	0.2	101	0	0	0
tau-fluvalinate	Fat	0.01	not set	101	0	0	0
temephos	Fat	0.02	not set	101	0	0	0
triflumuron	Fat	0.01	0.05	101	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	43	0	0
lead	Liver	0.01	no limit	60	24	0	0
mercury (total)	Liver	0.01	no limit	60	2	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
taleralanol (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	6	0	0	0
clenbuterol	Liver	0.0003	not set	6	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	6	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	6	0	0	0
salbutamol	Liver	0.001	not set	6	0	0	0
tolfenamic acid	Kidney	0.005	not set	31	0	0	0
zilpaterol	Liver	0.0003	not set	6	0	0	0