



# Deer residue testing annual datasets 2017–18

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, 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)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
abamectin	fat	0.005	not set	5	0	0	0
derquantel	fat	0.005	not set	5	0	0	0
doramectin	fat	0.005	not set	5	0	0	0
emamectin	fat	0.005	0.01	5	0	0	0
eprinomectin B1a	fat	0.005	0.1	5	0	0	0
ivermectin H2B1a	fat	0.005	0.01	5	0	0	0
milbemectin	fat	0.01	0.002	5	0	0	0
monepantel sulphone	fat	0.005	not set	5	0	0	0
moxidectin	fat	0.005	1	5	0	0	0
praziquantel	fat	0.005	not set	5	0	0	0

**Table 2 Antibiotics**

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
amoxicillin	kidney	0.01	0.01	2	0	0	0
ampicillin	kidney	0.01	not set	2	0	0	0
apramycin	kidney	0.25	2	2	0	0	0
avilamycin	kidney	0.1	not set	2	0	0	0
benzyl G penicillin	kidney	0.01	0.06	2	0	0	0
ceftiofur (desfuroylceftiofu)	kidney	0.2	not set	2	0	0	0
cefuroxime	kidney	0.05	not set	2	0	0	0
cephalonium	kidney	0.05	not set	2	0	0	0
chloramphenicol	muscle	0.00027	not set	2	0	0	0
chlortetracycline	kidney	0.01	not set	2	0	0	0
cloxacillin	kidney	0.05	not set	2	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	2	0	0	0
dimetridazole	muscle	0.000035	not set	1	0	0	0
doxycycline	kidney	0.01	not set	2	0	0	0
erythromycin	kidney	0.1	0.3	2	0	0	0
florfenicol	muscle	0.003	not set	2	0	0	0
gentamycin	kidney	0.1	not set	2	0	0	0
lincomycin	kidney	0.1	0.2	2	0	0	0
metronidazole	muscle	0.000046	not set	1	0	0	0
neomycin	kidney	0.1	not set	2	0	0	0
oleandomycin	kidney	0.2	0.1	2	0	0	0
oxytetracycline	kidney	0.01	not set	2	0	0	0
ronidazole	muscle	0.000055	not set	1	0	0	0
streptomycin	kidney	0.1	0.3	2	0	0	0
sulfachloropyridazine	kidney	0.05	not set	2	0	0	0
sulfadiazine	kidney	0.05	0.1	2	0	0	0
sulfadimethoxine	kidney	0.05	not set	2	0	0	0
sulfadimidine (sulfamethazine)	kidney	0.05	0.1	2	0	0	0
sulfadoxine	kidney	0.05	0.1	2	0	0	0
sulfafurazole	kidney	0.05	not set	2	0	0	0
sulfamerazine	kidney	0.05	not set	2	0	0	0
sulfamethoxazole	kidney	0.05	not set	2	0	0	0
sulfamethoxydiazine (sulfameter)	kidney	0.05	not set	2	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	2	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
sulfapyridine	kidney	0.05	not set	2	0	0	0
sulfaquinoxaline	kidney	0.05	not set	2	0	0	0
sulfathiazole	kidney	0.05	not set	2	0	0	0
sulfatroxazole	kidney	0.05	0.1	2	0	0	0
tetracycline	kidney	0.01	not set	2	0	0	0
thiamphenicol	muscle	0.0029	not set	2	0	0	0
tilmicosin	kidney	0.2	not set	2	0	0	0
trimethoprim	kidney	0.05	not set	2	0	0	0
tulathromycin	kidney	0.3	not set	2	0	0	0
tylosin	kidney	0.1	not set	2	0	0	0
virginiamycin	kidney	0.2	not set	2	0	0	0

**Table 3 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
16-hydroxystanozolol	urine	0.001	not defined	1	0	–	–
boldenone 17-alpha	urine	0.001	not defined	1	0	–	–
boldenone 17-beta	urine	0.001	not defined	1	0	–	–
dienoestrol	liver	0.0002	not set	2	0	0	0
diethylstilboestrol	liver	0.0002	not set	2	0	0	0
hexoestrol	liver	0.0002	not set	2	0	0	0
methandriol	urine	0.005	not defined	1	0	–	–
nortestosterone 17-alpha	urine	0.001	not defined	1	0	–	–
nortestosterone 17-beta	urine	0.001	not defined	1	0	–	–
stanozolol	urine	0.001	not defined	1	0	–	–
trenbolone	liver	0.0005	not set	2	0	0	0
Zeranol (alpha-zearalanol)	liver	0.002	not set	2	0	0	0

**Table 4 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
spinetoram	fat	0.005	2	5	0	0	0
spinosad	fat	0.005	2	5	0	0	0

**Table 5 Metals**

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
antimony	liver	0.01	no limit	6	0	0	0
arsenic (total)	liver	0.05	no limit	6	0	0	0
cadmium	liver	0.01	no limit	6	6	0	0
lead	liver	0.01	no limit	6	3	0	0
mercury (total)	liver	0.01	no limit	6	0	0	0

**Table 6 Mycotoxins**

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
Taleranol (beta-zearalanol)	liver	0.002	no limit	2	0	0	0
zearalanone	liver	0.002	no limit	2	0	0	0
zearalenol alpha	liver	0.002	no limit	2	0	0	0
zearalenol beta	liver	0.002	no limit	2	0	0	0
zearalenone	liver	0.002	no limit	2	0	0	0

**Table 6 Other veterinary drugs**

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
cimaterol	liver	0.0003	not set	1	0	0	0
clenbuterol	liver	0.0003	not set	1	0	0	0
mabuterol	liver	0.0003	not set	1	0	0	0
ractopamine	liver	0.0003	not set	1	0	0	0
salbutamol	liver	0.001	not set	1	0	0	0
zilpaterol	liver	0.0003	not set	1	0	0	0