



# Emu residue testing annual datasets 2015–16

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 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	not set	1	0	0	0
derquantel	fat	0.005	not set	1	0	0	0
doramectin	fat	0.005	not set	1	0	0	0
emamectin	fat	0.002	not set	1	0	0	0
eprinomectin	fat	0.005	not set	1	0	0	0
ivermectin	fat	0.005	not set	1	0	0	0
milbemectin	fat	0.05	not set	1	0	0	0
monepantel sulphone	fat	0.005	not set	1	0	0	0
moxidectin	fat	0.005	not set	1	0	0	0
praziquantel	fat	0.005	not set	1	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	2	0	0	0
ampicillin	kidney	0.01	not set	2	0	0	0
apramycin	kidney	0.25	1	2	0	0	0
avilamycin	kidney	0.1	0.05	2	0	0	0
benzyl G penicillin	kidney	0.01	not set	2	0	0	0
ceftiofur	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
chlortetracycline	kidney	0.01	not set	2	0	0	0
cloxacillin	kidney	0.05	not set	2	0	0	0
dihydrostreptomycin	kidney	0.1	not set	2	0	0	0
dimetridazole	muscle	0.000035	not set	2	0	0	0
doxycycline	kidney	0.01	not set	2	0	0	0
erythromycin	kidney	0.1	0.3	2	0	0	0
gentamycin	kidney	0.1	not set	2	0	0	0
HMMNI	muscle	0.000035	not set	2	0	0	0
lincomycin	kidney	0.1	0.1	2	0	0	0
metronidazole	muscle	0.000046	not set	2	0	0	0
neomycin	kidney	0.1	10	2	0	0	0
oleandomycin	kidney	0.2	not set	2	0	0	0
oxytetracycline	kidney	0.01	not set	2	0	0	0
ronidazole	muscle	0.000055	not set	2	0	0	0
streptomycin	kidney	0.1	not set	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	kidney	0.05	0.1	2	0	0	0
sulfadoxine	kidney	0.05	not set	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	kidney	0.05	not set	2	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	2	0	0	0
sulfapyridine	kidney	0.05	not set	2	0	0	0
sulfaquinoxaline	kidney	0.05	0.1	2	0	0	0
sulfathiazole	kidney	0.05	not set	2	0	0	0
sulfatroxazole	kidney	0.05	not set	2	0	0	0
tetracycline	kidney	0.01	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
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	0.2	2	0	0	0
virginiamycin	kidney	0.2	0.2	2	0	0	0

**Table 3 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	fat	0.01	0.2	1	0	0	0
aroachlor 1254	fat	0.03	not set	1	0	0	0
aroachlor 1260	fat	0.03	0.2	1	0	0	0
chlordane	fat	0.01	not set	1	0	0	0
DDT	fat	0.01	5	1	1	0	0
endrin	fat	0.01	not set	1	0	0	0
HCB	fat	0.01	1	1	0	0	0
HCH	fat	0.01	0.3	1	0	0	0
heptachlor	fat	0.01	not set	1	0	0	0
lindane	fat	0.01	0.7	1	0	0	0
mirex	fat	0.01	not set	1	0	0	0
pentachlorobenzene	fat	0.01	not set	1	0	0	0

**Table 4 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
boscalid	fat	0.01	0.5	1	0	0	0
carbendazim	fat	0.01	not set	1	0	0	0
cyproconazole	fat	0.01	0.01	1	0	0	0
fluquinconazole	fat	0.01	0.02	1	0	0	0
flutriafol	fat	0.01	0.05	1	0	0	0
fluxapyroxad	fat	0.01	not set	1	0	0	0
procymidone	fat	0.01	0.1	1	0	0	0
propiconazole	fat	0.05	0.1	1	0	0	0
prothioconazole	fat	0.01	0.05	1	0	0	0
quintozene	fat	0.01	not set	1	0	0	0

**Table 5 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
ethofumesate	fat	0.01	not set	1	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
metolachlor	fat	0.01	0.01	1	0	0	0
propachlor	fat	0.01	0.02	1	0	0	0
pyrasulfotole	fat	0.01	0.01	1	0	0	0

**Table 6 Insecticides**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
bifenthrin	fat	0.01	0.05	1	0	0	0
bioresmethrin	fat	0.01	not set	1	0	0	0
carbaryl	fat	0.01	0.2	1	0	0	0
chlorantraniliprole	fat	0.01	not set	1	0	0	0
chlorfenapyr	fat	0.01	0.01	1	0	0	0
chlorfenvinphos	fat	0.01	not set	1	0	0	0
chlorpyrifos	fat	0.01	0.1	1	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	1	0	0	0
coumaphos	fat	0.01	not set	1	0	0	0
cyfluthrin	fat	0.01	0.01	1	0	0	0
cyhalothrin	fat	0.01	0.02	1	0	0	0
cypermethrin	fat	0.01	0.05	1	0	0	0
deltamethrin	fat	0.01	0.01	1	0	0	0
diafenthiuron	fat	0.02	not set	1	0	0	0
diazinon	fat	0.01	0.05	1	0	0	0
dichlorvos	fat	0.01	0.01	1	0	0	0
dicofol	fat	0.01	not set	1	0	0	0
dimethoate	fat	0.01	0.05	1	0	0	0
endosulfan	fat	0.01	not set	1	0	0	0
ethion	fat	0.01	not set	1	0	0	0
famphur	fat	0.01	not set	1	0	0	0
famphur oxygen-analogue	fat	0.05	not set	1	0	0	0
fenitrothion	fat	0.01	0.05	1	0	0	0
fenthion	fat	0.01	not set	1	0	0	0
fenvalerate	fat	0.01	0.05	1	0	0	0
fipronil	fat	0.01	0.02	1	0	0	0
flubendiamide	fat	0.01	0.01	1	0	0	0
flumethrin	fat	0.05	not set	1	0	0	0
imidacloprid	fat	0.01	0.02	1	0	0	0
indoxacarb	fat	0.01	0.01	1	0	0	0
malathion	fat	0.01	1	1	0	0	0
methidathion	fat	0.01	0.05	1	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
methoxychlor	fat	0.01	not set	1	0	0	0
omethoate	fat	0.01	not set	1	0	0	0
parathion-methyl	fat	0.01	not set	1	0	0	0
permethrin	fat	0.01	0.1	1	0	0	0
phosmet	fat	0.01	not set	1	0	0	0
pirimiphos-methyl	fat	0.01	0.05	1	0	0	0
prothiofos	fat	0.01	not set	1	0	0	0
pyraclofos	fat	0.01	not set	1	0	0	0
spinetoram	fat	0.005	0.01	1	0	0	0
spinosad	fat	0.005	0.5	1	0	0	0
spirotetramat	fat	0.01	not set	1	0	0	0
tau-fluvalinate	fat	0.01	not set	1	0	0	0
temephos	fat	0.01	not set	1	0	0	0

**Table 7 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	2	0	0	0
arsenic	liver	0.05	no limit	2	0	0	0
cadmium	liver	0.01	no limit	2	2	0	0
lead	liver	0.01	0.5	2	1	0	0
mercury	liver	0.01	no limit	2	0	0	0

**Table 8 Other veterinary drugs**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ 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