Australian Government
Department of Agriculture and Water Resources

Beef residue testing annual datasets 2014–15

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

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	0.1	330	0	0	0
albendazole	liver	0.001	0.1	330	1	0	0
closantel	liver	0.05	not set	330	0	0	0
derquantel	fat	0.005	not set	330	0	0	0
doramectin	fat	0.005	0.1	330	6	0	0
emamectin	fat	0.005	0.01	330	0	0	0
eprinomectin	fat	0.005	0.5	330	0	0	0
fenbendazole	liver	0.001	0.1	330	6	0	0
ivermectin	fat	0.005	0.04	330	1	1	0
levamisole	liver	0.001	1	330	1	0	0
mebendazole	liver	0.005	0.02	330	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
mebendazole, 5-hydroxy	liver	0.005	not set	330	0	0	0
milbemectin	fat	0.01	0.002	280	0	0	0
monepantel sulphone	fat	0.005	not set	330	0	0	0
morantel	liver	0.001	2	330	0	0	0
moxidectin	fat	0.005	1	330	18	0	0
oxfendazole	liver	0.001	3	330	1	0	0
oxibendazole	liver	0.001	not set	330	0	0	0
praziquantel	fat	0.005	not set	330	0	0	0
thiabendazole-A	liver	0.01	0.2	330	0	0	0
triclabendazole	liver	0.05	2	330	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
4-epichlortetracycline	kidney	0.01	0.6	970	0	0	0
4-epioxytetracycline	kidney	0.01	0.6	970	1	0	0
4-epitetracycline	kidney	0.01	not set	970	0	0	0
AHD	retina	0.002	not defined	50	0	–	–
amoxicillin	kidney	0.01	0.01	970	0	0	0
AMOZ	retina	0.002	not defined	50	0	–	–
ampicillin	kidney	0.01	not set	970	0	0	0
amprolium	liver	0.01	not set	330	0	0	0
AOZ	retina	0.002	not defined	50	0	–	–
apramycin	kidney	0.5	2	970	0	0	0
avilamycin	kidney	0.1	not set	970	0	0	0
benzyl G penicillin	kidney	0.01	0.06	970	0	0	0
ceftiofur	kidney	0.2	2	970	0	0	0
cefuroxime	kidney	0.05	0.1	970	0	0	0
cephalonium	kidney	0.05	0.1	970	0	0	0
chloramphenicol	muscle	0.0003	not set	429	0	0	0
chlortetracycline	kidney	0.01	0.6	970	2	0	0
cloxacillin	kidney	0.05	not set	970	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	970	0	0	0
doxycycline	kidney	0.01	not set	970	0	0	0
erythromycin	kidney	0.1	0.3	970	0	0	0
florfenicol	muscle	0.0043	0.3	429	1	0	0
gentamycin	kidney	0.1	not set	970	0	0	0
halofuginone	liver	0.01	0.03	330	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
lasalocid	liver	0.01	0.7	330	0	0	0
lincomycin	kidney	0.1	0.2	970	0	0	0
maduramicin	liver	0.01	not set	330	0	0	0
monensin	liver	0.01	0.05	330	16	0	0
narasin	liver	0.01	0.05	330	0	0	0
neomycin	kidney	0.1	10	970	2	0	0
nicarbazin	liver	0.01	not set	330	0	0	0
oleandomycin	kidney	0.2	0.1	970	0	0	0
oxytetracycline	kidney	0.01	0.6	970	1	0	1
salinomycin	liver	0.01	0.5	330	0	0	0
SEM	retina	0.002	not defined	50	0	–	–
semduramycin	liver	0.01	not set	330	0	0	0
streptomycin	kidney	0.1	0.3	970	0	0	0
sulfachloropyridazine	kidney	0.05	not set	970	0	0	0
sulfadiazine	kidney	0.05	0.1	970	0	0	0
sulfadimethoxine	kidney	0.05	not set	970	0	0	0
sulfadimidine	kidney	0.05	0.1	970	0	0	0
sulfadoxine	kidney	0.05	0.1	970	0	0	0
sulfafurazole	kidney	0.05	not set	970	0	0	0
sulfamerazine	kidney	0.05	not set	970	0	0	0
sulfamethoxazole	kidney	0.05	not set	970	0	0	0
sulfamethoxydiazine	kidney	0.05	not set	970	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	970	0	0	0
sulfapyridine	kidney	0.05	not set	970	0	0	0
sulfaquinoxaline	kidney	0.05	not set	970	0	0	0
sulfathiazole	kidney	0.05	not set	970	0	0	0
sulfatroxazole	kidney	0.05	0.1	970	0	0	0
tetracycline	kidney	0.01	not set	970	0	0	0
thiamphenicol	muscle	0.0029	not set	429	0	0	0
tilmicosin	kidney	0.2	1	970	0	0	0
trimethoprim	kidney	0.05	not set	702	0	0	0
tulathromycin	kidney	0.3	1	970	0	0	0
tylosin	kidney	0.1	0.1	970	0	0	0
virginiamycin	kidney	0.2	0.2	970	0	0	0

Table 3 Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin	fat	0.02	0.2	1115	3	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
arochlor 1254	fat	0.03	not set	1115	0	0	0
arochlor 1260	fat	0.03	not set	1115	0	0	0
chlordane	fat	0.02	0.2	1115	0	0	0
DDT	fat	0.05	5	1115	9	0	0
endrin	fat	0.01	not set	1115	0	0	0
HCB	fat	0.02	1	1115	0	0	0
HCH	fat	0.02	0.3	1115	0	0	0
heptachlor	fat	0.02	0.2	1115	0	0	0
lindane	fat	0.01	2	1115	0	0	0
mirex	fat	0.02	not set	1115	0	0	0
pentachlorobenzene	fat	0.02	not set	1115	0	0	0

Table 4 Fluoroquinolones

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
norfloxacin	kidney	0.01	not set	134	0	0	0

Table 5 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
boscalid	fat	0.01	0.3	1115	0	0	0
carbendazim	fat	0.01	0.2	1115	0	0	0
cyproconazole	fat	0.02	0.03	1115	0	0	0
fluquinconazole	fat	0.01	0.5	1115	2	0	0
flutriafol	fat	0.02	0.05	1115	0	0	0
fluxapyroxad	fat	0.01	0.05	1115	0	0	0
procymidone	fat	0.02	0.2	1115	0	0	0
propiconazole	fat	0.05	0.1	1115	0	0	0
prothioconazole	fat	0.02	0.02	1115	0	0	0
quintozene	fat	0.02	not set	1115	0	0	0

Table 6 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
ethofumesate	fat	0.02	0.5	1115	0	0	0
metolachlor	fat	0.02	0.05	1115	0	0	0
propachlor	fat	0.02	0.02	1115	0	0	0
pyrasulfotole	fat	0.01	0.01	1115	0	0	0

Table 7 Hormones

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
16-hydroxystanozolol	urine	0.001	not defined	430	0	–	–
boldenone 17α	urine	0.001	not defined	430	0	–	–
boldenone 17β	urine	0.001	not defined	430	0	–	–
dienoestrol	liver	0.0002	not set	430	0	0	0
diethylstilboestrol	liver	0.0002	not set	430	0	0	0
hexoestrol	liver	0.0002	not set	430	0	0	0
methandriol	urine	0.005	not defined	430	0	–	–
nortestosterone-17 alpha	urine	0.001	not defined	430	0	–	–
nortestosterone-17 beta	urine	0.001	not defined	430	0	–	–
stanozolol	urine	0.001	not defined	430	0	–	–
trenbolone	liver	0.0005	0.01	471	2	0	0
trenbolone	muscle	0.0005	0.002	1	0	0	0
zeranol	liver	0.002	0.02	471	2	1	0
zeranol	muscle	0.002	0.005	1	0	0	0

Table 8 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
bifenthrin	fat	0.02	2	1115	0	0	0
bioresmethrin	fat	0.02	not set	1115	0	0	0
carbaryl	fat	0.01	0.2	1115	0	0	0
chlorantraniliprole	fat	0.01	0.02	1115	0	0	0
chlorfenapyr	fat	0.02	0.05	1115	0	0	0
chlorfenvinphos	fat	0.02	0.2	1115	0	0	0
chlorfluazuron	fat	0.01	1	330	0	0	0
chlorpyrifos	fat	0.02	0.5	1115	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	1115	1	0	0
coumaphos	fat	0.02	0.02	1115	0	0	0
cyfluthrin	fat	0.02	0.5	1115	1	0	0
cyhalothrin	fat	0.02	0.5	1115	0	0	0
cypermethrin	fat	0.02	0.5	1115	3	0	0
cyromazine	kidney	0.01	0.05	330	0	0	0
deltamethrin	fat	0.02	0.5	1115	1	0	0
diafenthiuron	fat	0.02	not set	955	0	0	0
diazinon	fat	0.02	0.7	1115	8	0	0
dichlorvos	fat	0.02	0.05	1115	0	0	0
dicofol	fat	0.01	not set	1115	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
dicyclanil	kidney	0.01	not set	330	0	0	0
diflubenzuron	fat	0.01	0.02	330	0	0	0
dimethoate	fat	0.02	0.05	1115	0	0	0
endosulfan	fat	0.02	not set	1115	0	0	0
esfenvalerate	fat	0.02	1	1091	0	0	0
ethion	fat	0.02	2.5	1115	3	0	0
famphur	fat	0.02	not set	1115	0	0	0
famphur oxygen-analogue	fat	0.05	not set	1091	0	0	0
fenitrothion	fat	0.02	0.05	1115	0	0	0
fenthion	fat	0.02	1	1115	0	0	0
fenvalerate	fat	0.02	1	1115	0	0	0
fipronil	fat	0.02	0.1	1115	0	0	0
fluazuron	fat	0.01	7	330	20	0	0
flubendiamide	fat	0.01	0.05	1115	0	0	0
flumethrin	fat	0.05	0.2	1115	0	0	0
imidacloprid	fat	0.01	0.05	1115	0	0	0
indoxacarb	fat	0.02	1	1115	0	0	0
malathion	fat	0.02	1	1115	0	0	0
melamine	kidney	0.01	not set	330	0	0	0
methidathion	fat	0.02	0.5	1115	0	0	0
methoxychlor	fat	0.02	not set	1115	0	0	0
omethoate	fat	0.02	not set	1115	0	0	0
parathion-methyl	fat	0.02	not set	1115	0	0	0
permethrin	fat	0.02	1	1115	3	0	0
phosmet	fat	0.02	1	1115	0	0	0
pirimiphos-methyl	fat	0.02	0.05	1115	0	0	0
prothiofos	fat	0.01	not set	1115	0	0	0
pyraclofos	fat	0.02	not set	1115	0	0	0
spinetoram	fat	0.005	2	330	0	0	0
spinosad	fat	0.005	2	330	38	0	0
spirotetramat	fat	0.02	0.02	1115	0	0	0
sulfoxaflor	fat	0.01	not set	507	0	0	0
tau-fluvalinate	fat	0.01	not set	1115	0	0	0
temephos	fat	0.02	5	1115	0	0	0
triflumuron	fat	0.01	0.05	330	0	0	0

Table 9 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	330	0	0	0
arsenic	liver	0.05	no limit	330	0	0	0
cadmium	liver	0.01	1.25	330	263	3	0
lead	liver	0.01	0.5	330	156	2	1
mercury	liver	0.01	no limit	330	0	0	0

Table 10 Mycotoxins

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
taleranol	liver	0.002	no limit	471	0	0	0
taleranol	muscle	0.002	no limit	1	0	0	0
zearalenol, alpha-	liver	0.002	no limit	471	0	0	0
zearalenol, alpha-	muscle	0.002	no limit	1	0	0	0
zearalenol, beta-	liver	0.002	no limit	471	0	0	0
zearalenol, beta-	muscle	0.002	no limit	1	0	0	0
zearalanone	liver	0.002	no limit	471	0	0	0
zearalanone	muscle	0.002	no limit	1	0	0	0
zearalenone	Liver	0.002	no limit	471	0	0	0
zearalenone	muscle	0.002	no limit	1	0	0	0
taleranol	liver	0.002	no limit	471	0	0	0
taleranol	muscle	0.002	no limit	1	0	0	0
zearalenol, alpha-	liver	0.002	no limit	471	0	0	0

Table 11 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	430	0	0	0
clenbuterol	liver	0.0003	not set	430	0	0	0
flunixin	kidney	0.01	0.02	330	0	0	0
ketoprofen	kidney	0.01	0.05	330	0	0	0
mabuterol	liver	0.0003	not set	430	0	0	0
oxyphenbutazone	kidney	0.01	not set	330	0	0	0
phenylbutazone	kidney	0.01	not set	330	0	0	0
ractopamine	liver	0.0003	not set	430	0	0	0
salbutamol	liver	0.001	not set	430	0	0	0
tolfenamic acid	kidney	0.005	0.01	330	0	0	0
zilpaterol	liver	0.0003	not set	430	0	0	0