Cattle Annual Results 2011-12

Table 1 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTHELMINTICS: BENZIMADAZOLES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
albendazole	Liver	0.05	0.1	346	0	0
fenbendazole	Liver	0.05	0.1	346	0	0
mebendazole	Liver	0.01	0.02	346	0	0
oxfendazole	Liver	0.05	3	346	0	0
oxibendazole	Liver	0.01	Not set	346	0	0
thiabendazole	Liver	0.05	0.2	346	0	0
triclabendazole	Liver	0.05	2	346	**2**	0

Table 2 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTHELMINTICS: MACROCYCLIC LACTONES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
abamectin	Fat	0.005	0.1	330	0	0
doramectin	Fat	0.005	0.1	330	**2**	0
emamectin	Fat	0.005	0.002	330	0	0
eprinomectin	Fat	0.005	0.5	330	0	0
ivermectin	Fat	0.005	0.04	330	**1**	**1**
moxidectin	Fat	0.005	1	330	**10**	0

Table 3 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTHELMINTICS: OTHER

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
monepantel sulphone	Fat	0.005	Not set	330	0	0

Table 4 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: AMINOGLYCOSIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
apramycin	Kidney	0.1	2	970	0	0
dihydrostreptomycin	Kidney	0.1	0.3	970	0	0
gentamicin	Kidney	0.1	Not set	970	0	0
neomycin	Kidney	0.1	10	970	**6**	0
streptomycin	Kidney	0.1	0.3	970	**1**	0

Table 5 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTICOCCIDIALS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
amprolium	Liver	0.01	Not set	332	0	0
halofuginone	Liver	0.01	0.03	332	0	0
lasalocid	Liver	0.01	0.7	332	**1**	**1**
maduramicin	Liver	0.01	Not set	332	0	0
monensin	Liver	0.01	0.05	332	0	0
narasin	Liver	0.01	0.05	332	0	0
nicarbazin	Liver	0.01	Not set	332	0	0
salinomycin	Liver	0.01	0.5	332	0	0
semduramycin	Liver	0.01	Not set	332	0	0

Table 6 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: BETA LACTAMS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
amoxicillin	Kidney	0.01	0.01	970	0	0
ampicillin	Kidney	0.01	Not set	970	0	0
benzyl G penicillin	Kidney	0.01	0.06	970	0	0
cloxacillin	Kidney	0.1	Not set	970	0	0

Table 7 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: CEPHALOSPORINS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
ceftiofur	Kidney	0.2	2	970	0	0
cefuroxime	Kidney	0.05	0.1	970	0	0
cephalonium	Kidney	0.05	0.1	970	0	0

Table 8 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: MACROLIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
erythromycin	Kidney	0.1	0.3	970	0	0
lincomycin	Kidney	0.1	0.2	970	0	0
oleandomycin	Kidney	0.5	0.1	970	0	0
tilmicosin	Kidney	0.2	1	970	0	0
tulathromycin	Kidney	0.3	1	970	**1**	0
tylosin	Kidney	0.1	0.1	970	0	0

Table 9 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: PHENICOLS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chloramphenicol	Muscle	0.0003	Not set	335	0	0
florfenicol	Muscle	0.0003	0.3	335	0	0
thiamphenicol	Muscle	0.0003	Not set	335	0	0

Table 10 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: SULFONAMIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
sulfachloropyridazine	Kidney	0.05	Not set	970	0	0
sulfadiazine	Kidney	0.05	0.1	970	0	**1**
sulfadimethoxine	Kidney	0.05	Not set	970	0	0
sulfadimidine	Kidney	0.05	0.1	970	0	**1**

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
sulfadoxine	Kidney	0.05	0.1	970	0	0
sulfafurazole	Kidney	0.05	Not set	970	0	0
sulfamerazine	Kidney	0.05	Not set	970	0	0
sulfamethoxazole	Kidney	0.05	Not set	970	0	0
sulfamethoxydiazine	Kidney	0.05	Not set	970	0	0
sulfamethoxypyridazine	Kidney	0.05	Not set	970	0	0
sulfapyridine	Kidney	0.05	Not set	970	0	0
sulfaquinoxaline	Kidney	0.05	Not set	970	0	0
sulfathiazole	Kidney	0.05	Not set	970	0	0
sulfatroxazole	Kidney	0.05	0.1	970	0	0

Table 11 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: TETRACYCLINES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chlortetracycline	Kidney	0.05	0.6	970	0	0
doxycycline	Kidney	0.05	Not set	970	0	0
oxytetracycline	Kidney	0.1	0.6	970	0	0
tetracycline	Kidney	0.1	Not set	970	0	0

Table 12 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: OTHER

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
avilamycin	Kidney	0.1	Not set	954	0	0
virginiamycin	Kidney	0.2	0.2	954	0	0

Table 13 VETERINARY DRUGS AND ANIMAL TREATMENTS. HORMONES: RESORCYCLIC ACID LACTONES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
zeranol (alpha-zearalanol)	faeces	0.005	Not defined	115	**4**	n/a
zeranol (alpha-zearalanol)	Liver	0.002	0.02	331	0	0

Table 14 VETERINARY DRUGS AND ANIMAL TREATMENTS. HORMONES: STEROIDS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
16-hydroxystanozolol	Urine	0.001	Not defined	334	0	n/a
boldenone (17-alpha)	Urine	0.001	Not defined	334	0	n/a
boldenone (17-beta)	Urine	0.001	Not defined	334	0	n/a
methandriol	Urine	0.005	Not defined	334	0	n/a
nortestosterone (17-alpha)	Urine	0.001	Not defined	334	**4**	n/a
nortestosterone (17-beta)	Urine	0.001	Not defined	334	0	n/a
stanozolol	Urine	0.001	Not defined	334	0	n/a

Table 15 VETERINARY DRUGS AND ANIMAL TREATMENTS. HORMONES: STILBENES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
dienoestrol	faeces	0.001	Not defined	115	0	n/a
dienoestrol	Liver	0.0002	Not set	331	0	0
diethylstilboestrol	faeces	0.001	Not defined	115	0	n/a
diethylstilboestrol	Liver	0.0002	Not set	331	0	0
hexoestrol	faeces	0.001	Not defined	115	0	n/a
hexoestrol	Liver	0.0002	Not set	331	0	0

Table 16 VETERINARY DRUGS AND ANIMAL TREATMENTS. HORMONES: TRENBOLONES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
trenbolone acetate	faeces	0.005	Not defined	115	0	n/a
trenbolone acetate	Liver	0.002	0.01	331	0	0

Table 17 VETERINARY DRUGS AND ANIMAL TREATMENTS. BETA-AGONISTS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
cimaterol	Liver	0.001	Not set	331	0	0
clenbuterol	Liver	0.0005	Not set	331	0	0
mabuterol	Liver	0.001	Not set	331	0	0
ractopamine	Liver	0.001	Not set	331	0	0
salbutamol	Liver	0.001	Not set	331	0	0
zilpaterol	Liver	0.001	Not set	331	0	0

Table 18 VETERINARY DRUGS AND ANIMAL TREATMENTS. OTHER VETERINARY DRUGS: NON-STEROIDAL ANTI-INFLAMMATORY DRUGS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
flunixin	Kidney	0.01	0.02	339	0	0
ketoprofen	Kidney	0.01	0.05	339	0	0
oxyphenbutazone	Kidney	0.01	Not set	339	0	0
phenylbutazone	Kidney	0.01	Not set	339	0	0
tolfenamic acid	Kidney	0.005	0.01	339	0	0

Table 19 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
boscalid	Fat	0.01	0.3	1124	0	0
cyproconazole	Fat	0.03	0.03	1124	0	0

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
fluquinconazole	Fat	0.01	0.5	1124	0	0
flutriafol	Fat	0.05	0.05	1124	0	0
procymidone	Fat	0.1	0.2	1124	0	0
propiconazole	Fat	0.05	0.1	1124	0	0
prothioconazole	Fat	0.01	0.01	760	0	0
quintozene	Fat	0.05	Not set	1124	0	0

Table 20 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. HERBICIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
pyrasulfotole	Fat	0.01	0.01	760	0	0
ethofumesate	Fat	0.1	0.5	1124	0	0
metolachlor	Fat	0.05	0.05	1124	0	0
propachlor	Fat	0.02	0.02	1124	0	0

Table 21 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: BENZOYL UREAS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chlorfluazuron	Fat	0.01	1	331	0	0
diflubenzuron	Fat	0.01	Not set	331	0	0
fluazuron	Fat	0.01	7	331	**10**	0
triflumuron	Fat	0.01	0.05	331	0	0

Table 22 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: CARBAMATES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
carbaryl	Fat	0.1	0.2	1124	0	0

Table 23 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: ORGANOCHLORINES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
dicofol	Fat	0.01	Not set	1124	0	0
endosulfan	Fat	0.02	0.2	1124	0	0
methoxychlor	Fat	0.02	Not set	1124	0	0

Table 24 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: ORGANOPHOSPHATES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chlorfenvinphos	Fat	0.05	0.2	1124	**1**	0
chlorpyrifos	Fat	0.1	0.5	1124	0	0
chlorpyrifos-methyl	Fat	0.02	0.05	1124	0	0
coumaphos	Fat	0.2	0.2	1124	0	0
diazinon	Fat	0.05	0.7	1124	**1**	0
dichlorvos	Fat	0.05	0.05	1124	0	0
dimethoate	Fat	0.05	0.05	1124	0	0
ethion	Fat	0.1	2.5	1124	0	0
famphur	Fat	0.02	Not set	1124	0	0
fenitrothion	Fat	0.02	0.05	1124	0	0
fenthion	Fat	0.05	1	1124	0	0
malathion	Fat	0.2	1	1124	0	0
methidathion	Fat	0.1	Not set	1124	0	0
omethoate	Fat	0.05	Not set	1124	0	0
parathion-methyl	Fat	0.05	0.05	1124	0	0
phosmet	Fat	0.05	1	1124	0	0
pirimiphos-methyl	Fat	0.05	0.05	1124	0	0
prothiofos	Fat	0.01	Not set	1124	0	0
pyraclofos	Fat	0.04	Not set	1124	0	0
temephos	Fat	0.1	5	1124	0	0

Table 25 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: PYRETHROIDS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
bifenthrin	Fat	0.02	2	1124	0	0
bioresmethrin	Fat	0.02	Not set	1124	0	0
cyfluthrin	Fat	0.01	0.5	1124	0	0
cyhalothrin	Fat	0.02	0.5	1124	0	0
cypermethrin	Fat	0.01	0.5	1124	**4**	0
deltamethrin	Fat	0.02	0.5	1124	**8**	0
fenvalerate	Fat	0.02	1	1124	0	0
flumethrin	Fat	0.02	0.2	1124	0	0
permethrin	Fat	0.02	1	1124	**1**	0
tau-fluvalinate	Fat	0.01	Not set	1124	0	0

Table 26 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: OTHER

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chlorfenapyr	Fat	0.05	0.05	1124	0	0
fipronil	Fat	0.02	0.1	1124	0	0
flubendiamide	Fat	0.01	0.05	1124	0	0
imidacloprid	Fat	0.01	0.05	1124	**1**	0
indoxacarb	Fat	0.1	1	1124	0	0
spinosad	Fat	0.005	2	330	0	0
spinetoram	Fat	0.005	0.01	330	0	0

Table 27 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. ENVIRONMENTAL CONTAMINANTS: PERSISTENT ORGANIC POLLUTANTS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
aldrin and dieldrin	Fat	0.02	0.2	1124	**4**	0
aroclor 1254 and aroclor 1260	Fat	0.03	0.2	1124	0	0
chlordane	Fat	0.02	0.2	1124	0	0

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
DDT	Fat	0.1	5	1124	**3**	0
endrin	Fat	0.01	Not set	1124	0	0
HCB	Fat	0.02	1	1124	0	0
HCH	Fat	0.02	0.3	1124	**1**	0
heptachlor	Fat	0.02	0.2	1124	0	0
lindane	Fat	0.01	2	1124	0	0
mirex	Fat	0.05	Not set	1124	0	0
pentachlorobenzene	Fat	0.01	Not set	1121	0	n/a

Table 28 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. ENVIRONMENTAL CONTAMINANTS: METALS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
cadmium	Liver	0.01	1.25	336	**242**	0
lead	Liver	0.01	0.5	336	**98**	0
mercury	Liver	0.01	No limit	336	**10**	n/a

Table 29 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. ENVIRONMENTAL CONTAMINANTS: MYCOTOXINS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
taleranol (beta-zearalanol)	faeces	0.005	No Limit	115	**1**	n/a
taleranol (beta-zearalanol)	Liver	0.002	No Limit	331	0	n/a
zearalanone	faeces	0.005	No Limit	115	**2**	n/a
zearalanone	Liver	0.002	No Limit	331	**21**	n/a
zearalenol (alpha)	faeces	0.005	No Limit	115	**54**	n/a
zearalenol (alpha)	Liver	0.002	No Limit	331	**21**	n/a
zearalenol (beta)	faeces	0.005	No Limit	115	**82**	n/a
zearalenol (beta)	Liver	0.002	No Limit	331	**26**	n/a
zearalenone	faeces	0.005	No Limit	115	**25**	n/a

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
zearalenone	Liver	0.002	No Limit	331	**6**	n/a

LOR = Limit of reporting; Aust. Std = Australian Standard
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
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 urine and faeces
n/a - Australian Standard does not apply. No limit set or defined