Australian Government
Department of Agriculture and Water Resources

Horse 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

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	10	0	0	0
derquantel	fat	0.005	not set	10	0	0	0
doramectin	fat	0.005	not set	10	0	0	0
emamectin	fat	0.002	0.01	10	0	0	0
eprinomectin	fat	0.005	not set	10	0	0	0
ivermectin	fat	0.005	0.01	10	0	0	0
milbemectin	fat	0.05	0.002	10	0	0	0
monepantel sulphone	fat	0.005	not set	10	0	0	0
moxidectin	fat	0.005	not set	10	0	0	0
praziquantel	fat	0.005	not set	10	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	40	0	0	0
ampicillin	kidney	0.01	0.01	40	0	0	0
apramycin	kidney	0.1	2	40	0	0	0
avilamycin	kidney	0.05	not set	40	0	0	0
benzyl G penicillin	kidney	0.01	0.06	40	0	0	0
ceftiofur	kidney	0.1	not set	40	0	0	0
cefuroxime	kidney	0.05	not set	40	0	0	0
cephalonium	kidney	0.05	not set	40	0	0	0
chloramphenicol	muscle	0.00027	not set	10	0	0	0
chlortetracycline	kidney	0.01	not set	40	0	0	0
cloxacillin	kidney	0.01	not set	40	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	40	0	0	0
dimetridazole	muscle	0.000035	not set	10	0	0	0
doxycycline	kidney	0.01	not set	40	0	0	0
erythromycin	kidney	0.1	0.3	40	0	0	0
florfenicol	muscle	0.0043	not set	10	0	0	0
gentamycin	kidney	0.1	not set	40	0	0	1
HMMNI	muscle	0.000035	not set	10	0	0	0
lincomycin	kidney	0.1	0.2	40	0	0	0
neomycin	kidney	0.1	not set	40	0	0	0
oleandomycin	kidney	0.1	0.1	40	0	0	0
oxytetracycline	kidney	0.01	not set	40	0	0	0
ronidazole	muscle	0.000055	not set	10	0	0	0
streptomycin	kidney	0.1	0.3	40	0	0	0
sulfachloropyridazine	kidney	0.05	not set	40	0	0	0
sulfadiazine	kidney	0.05	0.1	40	0	0	0
sulfadimethoxine	kidney	0.05	not set	40	0	0	0
sulfadimidine	kidney	0.05	0.1	40	0	0	0
sulfadoxine	kidney	0.05	0.1	40	0	0	0
sulfafurazole	kidney	0.05	not set	40	0	0	0
sulfamerazine	kidney	0.05	not set	40	0	0	0
sulfamethoxazole	kidney	0.05	not set	40	0	0	0
sulfamethoxydiazine	kidney	0.05	not set	40	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	40	0	0	0
sulfapyridine	kidney	0.05	not set	40	0	0	0
sulfaquinoxaline	kidney	0.05	not set	40	0	0	0
sulfathiazole	kidney	0.05	not set	40	0	0	0
sulfatroxazole	kidney	0.05	0.1	40	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
tetracycline	kidney	0.01	not set	40	0	0	0
thiamphenicol	muscle	0.0029	not set	10	0	0	0
tilmicosin	kidney	0.1	not set	40	0	0	0
trimethoprim	kidney	0.01	not set	40	0	0	0
tulathromycin	kidney	0.1	not set	40	0	0	0
tylosin	kidney	0.1	not set	40	0	0	0
virginiamycin	kidney	0.1	not set	40	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	20	0	0	0
arochlor 1254	fat	0.03	not set	20	0	0	0
arochlor 1260	fat	0.03	not set	20	0	0	0
chlordane	fat	0.02	0.2	20	0	0	0
DDT	fat	0.05	5	20	0	0	0
endrin	fat	0.01	not set	20	0	0	0
HCB	fat	0.02	1	20	0	0	0
HCH	fat	0.02	0.3	20	0	0	0
heptachlor	fat	0.02	0.2	20	0	0	0
lindane	fat	0.01	2	20	0	0	0
mirex	fat	0.02	not set	20	0	0	0
pentachlorobenzene	fat	0.02	not set	20	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	40	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	20	0	0	0
carbendazim	fat	0.01	0.2	20	0	0	0
cyproconazole	fat	0.02	0.03	20	0	0	0
fluquinconazole	fat	0.01	0.5	20	0	0	0
flutriafol	fat	0.02	0.05	20	0	0	0
fluxapyroxad	fat	0.01	0.05	20	0	0	0
procymidone	fat	0.02	0.2	20	0	0	0
propiconazole	fat	0.05	0.1	20	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
prothioconazole	fat	0.02	0.02	20	0	0	0
quintozene	fat	0.02	not set	20	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	20	0	0	0
metolachlor	fat	0.02	0.05	20	0	0	0
propachlor	fat	0.02	0.02	20	0	0	0
pyrasulfotole	fat	0.01	0.01	20	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	10	0	–	–
boldenone 17α	urine	0.001	not defined	10	0	–	–
boldenone 17β	urine	0.001	not defined	10	0	–	–
dienoestrol	liver	0.0002	not set	11	0	0	0
diethylstilboestrol	liver	0.0002	not set	11	0	0	0
hexoestrol	liver	0.0002	not set	11	0	0	0
methandriol	urine	0.005	not defined	10	0	–	–
nortestosterone-17 alpha	urine	0.001	not defined	10	0	–	–
nortestosterone-17 beta	urine	0.001	not defined	10	0	–	–
stanozolol	urine	0.001	not defined	10	0	–	–
trenbolone	liver	0.0005	not set	11	0	0	0
zeranol	liver	0.002	not set	11	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	20	0	0	0
bioresmethrin	fat	0.02	not set	20	0	0	0
carbaryl	fat	0.01	0.07	20	0	0	0
chlorantraniliprole	fat	0.01	0.02	20	0	0	0
chlorfenapyr	fat	0.02	0.05	20	0	0	0
chlorfenvinphos	fat	0.02	not set	20	0	0	0
chlorpyrifos	fat	0.02	0.5	20	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	20	0	0	0
coumaphos	fat	0.02	not set	20	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
cyfluthrin	fat	0.02	0.5	20	0	0	0
cyhalothrin	fat	0.02	0.5	20	0	0	0
cypermethrin	fat	0.02	0.05	20	0	0	0
deltamethrin	fat	0.02	not set	20	0	0	0
diafenthiuron	fat	0.02	not set	20	0	0	0
diazinon	fat	0.02	0.7	20	0	0	0
dichlorvos	fat	0.02	0.01	20	0	0	0
dicofol	fat	0.01	not set	20	0	0	0
dimethoate	fat	0.02	0.05	20	0	0	0
endosulfan	fat	0.02	not set	20	0	0	0
esfenvalerate	fat	0.02	1	10	0	0	0
ethion	fat	0.02	not set	20	0	0	0
famphur	fat	0.02	not set	20	0	0	0
famphur oxygen-analogue	fat	0.05	not set	20	0	0	0
fenitrothion	fat	0.02	0.05	20	0	0	0
fenthion	fat	0.02	not set	20	0	0	0
fenvalerate	fat	0.02	1	20	0	0	0
fipronil	fat	0.02	0.1	20	0	0	0
flubendiamide	fat	0.01	0.05	20	0	0	0
flumethrin	fat	0.05	0.1	20	0	0	0
imidacloprid	fat	0.01	0.05	20	0	0	0
indoxacarb	fat	0.02	1	20	0	0	0
malathion	fat	0.01	1	20	0	0	0
methidathion	fat	0.02	0.5	20	0	0	0
methoxychlor	fat	0.02	not set	20	0	0	0
mevinphos	fat	0.01	not set	6	0	0	0
omethoate	fat	0.02	not set	20	0	0	0
parathion-methyl	fat	0.02	not set	20	0	0	0
permethrin	fat	0.02	1	20	0	0	0
phosmet	fat	0.02	not set	20	0	0	0
pirimiphos-methyl	fat	0.02	0.05	20	0	0	0
prothiofos	fat	0.01	not set	20	0	0	0
pyraclofos	fat	0.02	not set	20	0	0	0
spinetoram	fat	0.005	2	10	0	0	0
spinosad	fat	0.005	2	10	0	0	0
spirotetramat	fat	0.01	0.02	20	0	0	0
sulfoxaflor	fat	0.01	not set	10	0	0	0
tau-fluvalinate	fat	0.01	not set	20	0	0	0
temephos	fat	0.02	not set	20	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	muscle	0.01	no limit	20	0	0	0
arsenic	muscle	0.05	no limit	20	2	0	0
cadmium	muscle	0.01	no limit	20	7	0	0
lead	muscle	0.01	no limit	20	0	0	0
mercury	muscle	0.01	no limit	20	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	11	0	0	0
zearalanone	liver	0.002	no limit	11	0	0	0
zearalenol, alpha-	liver	0.002	no limit	11	0	0	0
zearalenol, beta-	liver	0.002	no limit	11	0	0	0
zearalenone	liver	0.002	no limit	11	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	5	0	0	0
clenbuterol	liver	0.0003	not set	5	0	0	0
flunixin	kidney	0.01	not set	10	0	0	0
ketoprofen	kidney	0.01	not set	10	0	0	0
mabuterol	liver	0.0003	not set	5	0	0	0
oxyphenbutazone	kidney	0.01	not set	10	0	0	0
phenylbutazone	kidney	0.01	not set	10	0	0	0
ractopamine	liver	0.0003	not set	5	0	0	0
salbutamol	liver	0.001	not set	5	0	0	0
tolfenamic acid	kidney	0.005	not set	10	0	0	0
zilpaterol	liver	0.0003	not set	5	0	0	0