



Pig residue testing annual datasets 2020–21

National Residue Survey (NRS), Department of Agriculture, Water and the Environment

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)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
abamectin	fat	0.005	0.02	265	0	0	0
derquantel	fat	0.001	not set	265	0	0	0
doramectin	fat	0.005	0.1	265	0	0	0
emamectin	fat	0.002	0.01	265	0	0	0
eprinomectin B1a	fat	0.005	not set	265	0	0	0
fluensulfone	fat	0.01	0.01	265	0	0	0
ivermectin H2B1a	fat	0.005	0.02	265	0	0	1
milbemectin	fat	0.01	0.002	265	0	0	0
monepantel sulphone	fat	0.005	not set	265	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
moxidectin	fat	0.005	not set	265	0	0	1
praziquantel	fat	0.005	not set	265	0	0	0

Table 2: Antibiotics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
amoxicillin	kidney	0.01	0.01	262	0	0	0
ampicillin	kidney	0.01	not set	262	0	0	0
apramycin	kidney	0.1	2	262	0	0	0
avilamycin	kidney	0.05	not set	262	0	0	0
benzyl G penicillin	kidney	0.01	0.06	262	0	1	0
carbadox	liver	0.005	not set	264	0	0	0
ceftiofur (desfuroylceftiofur)	kidney	0.1	not set	262	0	0	0
cefuroxime	kidney	0.05	not set	262	0	0	0
cephalonium	kidney	0.05	not set	262	0	0	0
chloramphenicol	muscle	0.0003	not set	264	0	0	0
chlortetracycline	kidney	0.01	0.6	262	62	1	0
cloxacillin	kidney	0.01	not set	262	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	262	0	0	0
dimetridazole	muscle	0.0001	not set	264	0	0	0
doxycycline	kidney	0.01	not set	262	0	0	0
erythromycin	kidney	0.1	0.3	262	0	0	0
florfenicol	muscle	0.001	0.5	264	0	0	0
gentamycin	kidney	0.1	not set	262	0	0	0
lincomycin	kidney	0.1	0.2	262	0	0	0
metronidazole	muscle	0.0001	not set	264	0	0	0
neomycin	kidney	0.1	10	262	1	0	0
olaquinox	liver	0.005	0.3	264	0	0	0
oleandomycin	kidney	0.1	0.1	262	0	0	0
oxytetracycline	kidney	0.01	0.6	262	6	0	0
ronidazole	muscle	0.0001	not set	264	0	0	0
streptomycin	kidney	0.1	0.3	262	0	0	0
sulfachloropyridazine	kidney	0.05	not set	262	0	0	0
sulfadiazine	kidney	0.02	0.1	262	0	0	0
sulfadimethoxine	kidney	0.05	not set	262	0	0	0
sulfadimidine (sulfamethazine)	kidney	0.02	0.1	262	0	0	0
sulfadoxine	kidney	0.05	0.1	262	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
sulfafurazole	kidney	0.05	not set	262	0	0	0
sulfamerazine	kidney	0.05	not set	262	0	0	0
sulfamethoxazole	kidney	0.05	not set	262	0	0	0
sulfamethoxydiazine (sulfameter)	kidney	0.05	not set	262	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	262	0	0	0
sulfapyridine	kidney	0.05	not set	262	0	0	0
sulfaquinoxaline	kidney	0.05	not set	262	0	0	0
sulfathiazole	kidney	0.05	not set	262	0	0	0
sulfatroxazole	kidney	0.05	0.1	262	0	0	0
tetracycline	kidney	0.01	not set	262	0	0	1
thiamphenicol	muscle	0.001	not set	264	0	0	0
tilmicosin	kidney	0.1	1	262	1	0	0
trimethoprim	kidney	0.01	0.05	262	0	0	0
tulathromycin	kidney	0.1	3	262	0	0	0
tylosin	kidney	0.1	0.2	262	0	0	0
virginiamycin	kidney	0.005	not set	262	0	0	0

Table 3: Anticoccidials

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
amprolium	liver	0.01	not set	264	0	0	0
decoquinate	liver	0.002	not set	264	0	0	0
diclazuril	liver	0.01	not set	264	0	0	0
halofuginone	liver	0.01	not set	264	0	0	0
lasalocid	liver	0.01	0.7	264	2	0	0
maduramicin	liver	0.002	not set	264	0	0	0
monensin	liver	0.01	not set	264	0	0	0
narasin	liver	0.01	not set	264	0	0	0
nicarbazin (4,4'- dinitrocarbanilide)	liver	0.01	0.01	264	0	0	0
salinomycin	liver	0.002	0.1	264	4	0	0
semduramycin	liver	0.002	not set	264	0	0	6
toltrazuril	liver	0.01	2	264	12	0	0

Table 4: Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	fat	0.02	0.2	265	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
arochlor 1254	fat	0.03	0.2	265	0	0	0
arochlor 1260	fat	0.03	0.2	265	0	0	0
chlordane	fat	0.02	0.2	265	0	0	0
DDT	fat	0.05	5	265	0	0	0
endosulfan	fat	0.02	not set	265	0	0	0
endrin	fat	0.01	not set	265	0	0	0
HCB (hexachlorobenzene)	fat	0.02	1	265	0	0	0
HCH (BHC)	fat	0.02	0.3	265	0	0	0
heptachlor	fat	0.02	0.2	265	0	0	0
lindane (gamma-HCH)	fat	0.01	2	265	0	0	0
mirex	fat	0.02	not set	265	0	0	0
pentachlorobenzene	fat	0.02	not set	265	0	0	0

Table 5: Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
amisulbrom	fat	0.01	0.01	265	0	0	0
azoxystrobin	fat	0.01	0.02	265	0	0	0
bixafen	fat	0.02	0.2	265	0	0	0
boscalid	fat	0.01	0.3	265	0	0	0
carbendazim	fat	0.01	0.2	265	0	0	0
cyproconazole	fat	0.02	0.03	265	0	0	0
difenoconazole	fat	0.01	0.05	265	0	0	0
epoxiconazole	fat	0.01	0.01	265	0	0	0
fenpyrazamine	fat	0.01	0.01	265	0	0	0
fludioxonil	fat	0.01	0.05	265	0	0	0
fluopicolide	fat	0.01	0.01	265	0	0	0
fluopyram	fat	0.01	0.7	265	0	0	0
fluquinconazole	fat	0.01	0.5	265	0	0	0
flutriafol	fat	0.02	0.05	265	0	0	0
fluxapyroxad	fat	0.01	0.05	265	0	0	0
imazalil	fat	0.01	not set	265	0	0	0
isopyrazam	fat	0.01	0.005	265	0	0	0
mandestrobin	fat	0.01	0.02	265	0	0	0
procymidone	fat	0.02	0.2	265	0	0	0
propamocarb	fat	0.01	0.01	265	0	0	0
propiconazole	fat	0.02	0.1	265	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
prothioconazole	fat	0.02	0.02	265	0	0	0
pydiflumetofen	fat	0.01	not set	265	0	0	0
pyraclostrobin	fat	0.01	0.05	265	0	0	0
pyrimethanil	fat	0.01	0.05	265	0	0	0
pyriofenone	fat	0.01	0.01	265	0	0	0
quinoxifen	fat	0.01	0.1	265	0	0	0
quintozene	fat	0.02	0.2	265	0	0	0
spiroxamine	fat	0.01	0.05	265	0	0	0
tebuconazole	fat	0.01	0.1	265	0	0	0
trifloxystrobin	fat	0.01	0.05	265	0	0	0

Table 6: Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
amicarbazone	fat	0.01	0.01	265	0	0	0
cloquintocet-mexyl	fat	0.01	0.1	265	0	0	0
ethofumesate	fat	0.02	0.5	265	0	0	0
florpyrauxifen-benzyl	fat	0.01	0.02	265	0	0	0
indaziflam	fat	0.01	not set	265	0	0	0
metamitron	fat	0.01	0.05	265	0	0	0
metazachlor	fat	0.01	0.05	265	0	0	0
metolachlor	fat	0.02	0.05	265	0	0	0
propachlor	fat	0.02	0.02	265	0	0	0
pyrasulfotole	fat	0.01	0.01	265	0	0	0
pyroxsulam	fat	0.01	0.01	265	0	0	0
saflufenacil	fat	0.01	0.01	265	0	0	0
topramezone	fat	0.01	0.01	265	0	0	0

Table 7: Hormones

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
dienoestrol	liver	0.0002	not set	264	0	0	0
diethylstilboestrol	liver	0.0002	not set	264	0	0	0
hexoestrol	liver	0.0002	not set	264	0	0	0
trenbolone	liver	0.0005	not set	264	0	0	0
zeranol (alpha-zearalanol)	liver	0.002	not set	264	0	0	0

Table 8: Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
acetamiprid	fat	0.01	0.01	265	0	0	0
afidopyropen	fat	0.012	0.1	265	0	0	0
bifenthrin	fat	0.02	2	265	0	0	0
bioresmethrin	fat	0.02	not set	265	0	0	0
carbaryl	fat	0.01	0.07	265	0	0	0
chlorantraniliprole	fat	0.01	0.02	265	0	0	0
chlorfenapyr	fat	0.02	0.05	265	0	0	0
chlorfenvinphos (sum of isomers)	fat	0.02	not set	265	0	0	0
chlorfluazuron	fat	0.01	not set	265	0	0	0
chlorpyrifos	fat	0.01	0.5	265	0	0	0
chlorpyrifos-methyl	fat	0.01	0.05	265	1	0	0
clothianidin	fat	0.01	0.02	265	0	0	0
coumaphos	fat	0.02	0.001	265	0	0	0
cyantraniliprole	fat	0.01	0.01	265	0	0	0
cyclaniliprole	fat	0.01	0.01	265	0	0	0
cyfluthrin (sum of isomers)	fat	0.02	0.5	265	0	0	0
cyhalothrin (sum of isomers)	fat	0.02	0.5	265	0	0	0
cypermethrin (sum of isomers)	fat	0.02	0.05	265	0	0	0
cyromazine	kidney	0.01	0.05	262	0	0	0
deltamethrin	fat	0.02	0.1	265	0	0	0
diafenthiuron	fat	0.01	0.02	265	0	0	0
diazinon	fat	0.02	0.7	265	0	0	0
dichlorvos	fat	0.02	0.01	265	0	0	0
dicofol	fat	0.01	not set	265	0	0	0
dicyclanil	kidney	0.01	not set	262	0	0	0
diflubenzuron	fat	0.01	not set	265	0	0	0
dimethoate	fat	0.02	0.05	265	0	0	0
dinotefuran	fat	0.03	0.02	265	0	0	0
esfenvalerate	fat	0.02	1	161	0	0	0
ethion	fat	0.02	not set	265	0	0	0
famphur	fat	0.02	not set	265	0	0	0
famphur oxygen-analogue	fat	0.02	not set	265	0	0	0
fenitrothion	fat	0.02	0.05	265	0	0	0
fenthion	fat	0.02	not set	265	0	0	0
fenvalerate (sum of isomers)	fat	0.02	1	265	0	0	0
fipronil	fat	0.01	0.1	265	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
flonicamid	fat	0.01	0.02	265	0	0	0
fluazuron	fat	0.01	not set	265	0	0	0
flubendiamide	fat	0.01	0.05	265	0	0	0
flumethrin	fat	0.02	not set	265	0	0	0
flupyradifurone	fat	0.01	not set	265	0	0	0
imidacloprid	fat	0.01	0.05	265	0	0	0
indoxacarb	fat	0.02	3	265	0	0	0
malathion (maldison)	fat	0.01	1	265	0	0	0
melamine	kidney	0.01	2.5	262	0	0	0
metaflumizone	fat	0.01	not set	265	0	0	0
methidathion	fat	0.02	not set	265	0	0	0
methoxychlor	fat	0.02	not set	265	0	0	0
mevinphos	fat	0.01	0.05	265	0	0	0
novaluron	fat	0.01	0.1	265	0	0	0
omethoate	fat	0.02	0.05	265	0	0	0
parathion-methyl	fat	0.02	not set	265	0	0	0
permethrin (sum of isomers)	fat	0.02	1	265	0	0	0
phosmet	fat	0.02	0.1	265	0	0	0
pirimiphos-methyl	fat	0.02	0.05	265	0	0	0
prothiofos	fat	0.01	not set	265	0	0	0
pyraclofos	fat	0.02	not set	265	0	0	0
spinetoram	fat	0.005	2	265	0	0	0
spinosad	fat	0.005	2	265	94	0	0
spirotetramat	fat	0.02	0.02	265	0	0	0
sulfoxaflor	fat	0.01	0.2	265	0	0	0
tau-fluvalinate	fat	0.01	not set	265	0	0	0
temephos	fat	0.02	not set	265	0	0	0
triflumuron	fat	0.01	0.05	265	0	0	0

Table 9: Metals

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
antimony	liver	0.01	no limit	264	0	0	0
arsenic (total)	liver	0.05	no limit	264	1	0	0
cadmium	liver	0.01	1.25	264	220	0	0
lead	liver	0.01	0.5	264	56	0	0
mercury (total)	liver	0.01	no limit	264	9	0	0

Table 10: Mycotoxins

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
taleralanol (beta-zearalanol)	liver	0.002	no limit	264	0	0	0
zearalanone	liver	0.002	no limit	264	0	0	0
zearalenol alpha	liver	0.002	no limit	264	1	0	0
zearalenol beta	liver	0.002	no limit	264	1	0	0
zearalenone	liver	0.002	no limit	264	1	0	0

Table 11: Other Veterinary Drugs

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
cimaterol	liver	0.0003	not set	264	0	0	0
clenbuterol	liver	0.0003	not set	264	0	0	0
flunixin	kidney	0.01	not set	262	0	0	0
ketoprofen	kidney	0.01	not set	262	0	0	0
mabuterol	liver	0.0003	not set	264	0	0	0
meloxicam	kidney	0.005	0.01	262	0	0	0
oxyphenbutazone	kidney	0.005	not set	262	0	0	0
phenylbutazone	kidney	0.005	not set	262	0	0	0
ractopamine	liver	0.0003	0.2	264	30	1	0
salbutamol	liver	0.001	not set	264	0	0	0
tolfenamic acid	kidney	0.005	0.01	262	0	0	0
zilpaterol	liver	0.0003	not set	264	0	0	0