



Pig residue testing annual datasets 2019–20

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.

Disclaimer

Although the Australian Government has exercised due care and skill in the preparation and compilation of this publication, it does not warrant its accuracy, completeness, currency or suitability for any purpose. To the maximum extent permitted by law, the Australian Government disclaims all liability, including liability in negligence for any loss, damage, cost or expense incurred by persons as a result of accessing, using or relying on any of the information or data set out in this publication. Before relying on the material in any matters, users should carefully evaluate its accuracy, currency, completeness and relevance for the purposes intended, and should obtain any appropriate professional advice relevant to their particular circumstances.

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	250	0	0	0
derquantel	fat	0.001	not set	250	0	0	0
doramectin	fat	0.005	0.1	250	4	0	0
emamectin	fat	0.002	0.01	250	0	0	0
eprinomectin B1a	fat	0.005	not set	250	0	0	0
fluensulfone	fat	0.01	not set	36	0	0	0
ivermectin H2B1a	fat	0.005	0.02	250	0	0	0
milbemectin	fat	0.01	0.002	250	0	0	0
monepantel sulphone	fat	0.005	not set	250	0	0	0
moxidectin	fat	0.005	not set	250	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
praziquantel	fat	0.005	not set	250	0	0	0

Table 2: Antibiotics

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
amoxicillin	kidney	0.01	0.01	250	0	0	0
ampicillin	kidney	0.01	not set	250	0	0	0
apramycin	kidney	0.1	2	250	0	0	0
avilamycin	kidney	0.05	not set	250	0	0	0
benzyl G penicillin	kidney	0.01	0.06	250	0	0	0
carbadox	liver	0.005	not set	250	0	0	0
ceftiofur (desfuroylceftiofur)	kidney	0.1	not set	250	0	0	0
cefuroxime	kidney	0.05	not set	250	0	0	0
cephalonium	kidney	0.05	not set	250	0	0	0
chloramphenicol	muscle	0.0003	not set	250	0	0	0
chlortetracycline	kidney	0.01	0.6	250	74	1	0
cloxacillin	kidney	0.01	not set	250	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	250	0	0	0
dimetridazole	muscle	0.0001	not set	250	0	0	0
doxycycline	kidney	0.01	not set	250	0	0	0
erythromycin	kidney	0.1	0.3	250	0	0	0
florfenicol	muscle	0.001	0.5	250	0	0	0
gentamycin	kidney	0.1	not set	250	0	0	0
lincomycin	kidney	0.1	0.2	250	0	0	1
metronidazole	muscle	0.0001	not set	250	0	0	0
neomycin	kidney	0.1	10	250	2	0	0
olaquinox	liver	0.005	0.3	250	0	0	0
oleandomycin	kidney	0.1	0.1	250	0	0	0
oxytetracycline	kidney	0.01	0.6	250	7	0	0
ronidazole	muscle	0.0001	not set	250	0	0	0
streptomycin	kidney	0.1	0.3	250	0	0	0
sulfachloropyridazine	kidney	0.05	not set	250	0	0	0
sulfadiazine	kidney	0.02	0.1	250	2	0	0
sulfadimethoxine	kidney	0.05	not set	250	0	0	0
sulfadimidine (sulfamethazine)	kidney	0.02	0.1	250	0	0	0
sulfadoxine	kidney	0.05	0.1	250	0	0	0
sulfafurazole	kidney	0.05	not set	250	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
sulfamerazine	kidney	0.05	not set	250	0	0	0
sulfamethoxazole	kidney	0.05	not set	250	0	0	0
sulfamethoxydiazine (sulfameter)	kidney	0.05	not set	250	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	250	0	0	0
sulfapyridine	kidney	0.05	not set	250	0	0	0
sulfaquinoxaline	kidney	0.05	not set	250	0	0	0
sulfathiazole	kidney	0.05	not set	250	0	0	0
sulfatroxazole	kidney	0.05	0.1	250	0	0	0
tetracycline	kidney	0.01	not set	250	0	0	0
thiamphenicol	muscle	0.001	not set	250	0	0	0
tilmicosin	kidney	0.1	1	250	0	0	0
trimethoprim	kidney	0.01	0.05	250	0	0	0
tulathromycin	kidney	0.1	0.1	250	0	0	0
tylosin	kidney	0.1	0.2	250	0	0	0
virginiamycin	kidney	0.1	not set	250	0	0	0

Table 3: Anticoccidials

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
amprolium	liver	0.01	not set	250	0	0	0
decoquinate	liver	0.002	not set	250	0	0	1
diclazuril	liver	0.01	not set	250	0	0	0
halofuginone	liver	0.01	not set	250	0	0	0
lasalocid	liver	0.01	0.7	250	4	0	0
maduramicin	liver	0.002	not set	250	0	0	0
monensin	liver	0.01	not set	250	0	0	0
narasin	liver	0.01	not set	250	0	0	0
nicarbazin (4,4'-dinitrocarbanilide)	liver	0.01	0.01	250	0	0	0
salinomycin	liver	0.002	0.1	250	1	0	0
semduramycin	liver	0.002	not set	250	0	0	10
toltrazuril	liver	0.01	2	250	22	0	0

Table 4: Contaminants

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
aldrin and dieldrin (HHDN+HEOD)	fat	0.02	0.2	250	0	0	0
arochlor 1254	fat	0.03	not set	250	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
arochlor 1260	fat	0.03	not set	250	0	0	0
chlordane	fat	0.02	0.2	250	0	0	0
DDT	fat	0.05	5	250	2	0	0
endosulfan	fat	0.02	not set	250	0	0	0
endrin	fat	0.01	not set	250	0	0	0
HCB (hexachlorobenzene)	fat	0.02	1	250	0	0	0
HCH (BHC)	fat	0.02	0.3	250	0	0	0
heptachlor	fat	0.02	0.2	250	0	0	0
lindane (gamma-HCH)	fat	0.01	2	250	0	0	0
mirex	fat	0.02	not set	250	0	0	0
pentachlorobenzene	fat	0.02	not set	250	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	250	0	0	0
azoxystrobin	fat	0.01	not set	36	0	0	0
bixafen	fat	0.02	0.2	250	0	0	0
boscalid	fat	0.01	0.3	250	0	0	0
carbendazim	fat	0.01	0.2	250	0	0	0
cyproconazole	fat	0.02	0.03	250	0	0	0
difenoconazole	fat	0.01	0.05	250	0	0	0
epoxiconazole	fat	0.01	not set	36	0	0	0
fenpyrazamine	fat	0.01	not set	36	0	0	0
fludioxonil	fat	0.01	0.05	250	0	0	0
fluopicolide	fat	0.01	0.01	250	0	0	0
fluopyram	fat	0.01	0.1	250	0	0	0
fluquinconazole	fat	0.01	0.5	250	0	0	0
flutriafol	fat	0.02	0.05	250	1	0	0
fluxapyroxad	fat	0.01	0.05	250	0	0	0
imazalil	fat	0.01	not set	250	0	0	0
isopyrazam	fat	0.01	not set	36	0	0	0
mandestrobin	fat	0.01	0.02	250	0	0	0
procymidone	fat	0.02	0.2	250	0	0	0
propamocarb	fat	0.01	0.01	250	0	0	0
propiconazole	fat	0.02	0.1	250	0	0	0
prothioconazole	fat	0.02	0.02	250	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
pydiflumetofen	fat	0.01	not set	36	0	0	0
pyraclostrobin	fat	0.01	not set	32	0	0	0
pyraclostrobin-P	fat	0.01	not set	4	0	0	0
pyrimethanil	fat	0.01	0.05	250	0	0	0
pyriofenone	fat	0.01	0.01	250	0	0	0
quinoxifen	fat	0.01	0.1	250	0	0	0
quintozene	fat	0.02	0.2	250	0	0	0
spiroxamine	fat	0.01	not set	36	0	0	0
tebuconazole	fat	0.01	0.1	250	0	0	0
trifloxystrobin	fat	0.01	0.05	250	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	not set	36	0	0	0
cloquintocet	fat	0.01	0.1	250	0	0	0
ethofumesate	fat	0.02	0.5	250	0	0	0
florpyrauxifen-benzyl	fat	0.01	not set	36	0	0	0
indaziflam	fat	0.01	not set	250	0	0	0
metamitron	fat	0.01	not set	36	0	0	0
metazachlor	fat	0.01	0.05	250	0	0	0
metolachlor	fat	0.02	0.05	250	0	0	0
propachlor	fat	0.02	0.02	250	0	0	0
pyrasulfotole	fat	0.01	0.01	250	0	0	0
pyroxulam	fat	0.01	0.01	250	0	0	0
saflufenacil	fat	0.01	0.01	250	0	0	0
topramezone	fat	0.01	not set	36	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	250	0	0	0
diethylstilboestrol	liver	0.0002	not set	250	0	0	0
hexoestrol	liver	0.0002	not set	250	0	0	0
trenbolone	liver	0.0005	not set	250	0	0	0
zeranol (alpha-zearalanol)	liver	0.002	not set	250	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	250	0	0	0
afidopyropen	fat	0.012	not set	36	0	0	0
bifenthrin	fat	0.02	2	250	0	0	0
bioresmethrin	fat	0.02	not set	250	0	0	0
carbaryl	fat	0.01	0.07	250	0	0	0
chlorantraniliprole	fat	0.01	0.02	250	0	0	0
chlorfenapyr	fat	0.02	0.05	250	0	0	0
chlorfenvinphos (sum of isomers)	fat	0.02	not set	250	0	0	0
chlorfluazuron	fat	0.01	not set	250	0	0	0
chlorpyrifos	fat	0.01	0.5	250	0	0	0
chlorpyrifos-methyl	fat	0.01	0.05	250	2	0	0
clothianidin	fat	0.01	0.02	250	0	0	0
coumaphos	fat	0.02	0.001	250	0	0	0
cyantraniliprole	fat	0.01	0.01	250	0	0	0
cyclaniliprole	fat	0.01	not set	36	0	0	0
cyfluthrin (sum of isomers)	fat	0.02	0.5	250	0	0	0
cyhalothrin (sum of isomers)	fat	0.02	0.5	250	0	0	0
cypermethrin (sum of isomers)	fat	0.02	0.05	250	0	0	0
cyromazine	kidney	0.01	0.05	250	0	0	0
deltamethrin	fat	0.02	0.1	250	2	0	0
diafenthiuron	fat	0.01	0.02	250	0	0	0
diazinon	fat	0.02	0.7	250	1	0	0
dichlorvos	fat	0.02	0.01	250	0	0	0
dicofol	fat	0.01	not set	250	0	0	0
dicyclanil	kidney	0.01	not set	250	0	0	0
diflubenzuron	fat	0.01	not set	250	0	0	0
dimethoate	fat	0.02	0.05	250	0	0	0
dinotefuran	fat	0.03	0.02	250	0	0	0
esfenvalerate	fat	0.02	1	250	0	0	0
ethion	fat	0.02	not set	250	0	0	0
famphur	fat	0.02	not set	250	0	0	0
famphur oxygen-analogue	fat	0.02	not set	250	0	0	0
fenitrothion	fat	0.02	0.05	250	0	0	0
fenthion	fat	0.02	not set	250	0	0	0
fenvalerate (sum of isomers)	fat	0.02	1	250	0	0	0
fipronil	fat	0.02	0.1	250	1	0	0

Pig residue testing annual datasets 2019-20

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	250	0	0	0
fluazuron	fat	0.01	0.02	250	0	0	0
flubendiamide	fat	0.01	0.05	250	0	0	0
flumethrin	fat	0.02	not set	250	0	0	0
flupyradifurone	fat	0.01	not set	36	0	0	0
imidacloprid	fat	0.01	0.05	250	0	0	0
indoxacarb	fat	0.02	3	250	0	0	0
malathion (maldison)	fat	0.01	1	250	0	0	0
melamine	kidney	0.01	no limit	250	0	0	0
metaflumizone	fat	0.01	not set	250	0	0	0
methidathion	fat	0.02	0.5	250	0	0	0
methoxychlor	fat	0.02	not set	250	0	0	0
mevinphos	fat	0.01	0.05	250	0	0	0
novaluron	fat	0.01	not set	250	0	0	0
omethoate	fat	0.02	0.05	250	0	0	0
parathion-methyl	fat	0.02	not set	250	0	0	0
permethrin (sum of isomers)	fat	0.02	1	250	0	0	0
phosmet	fat	0.02	0.1	250	0	0	0
pirimiphos-methyl	fat	0.02	0.05	250	0	0	0
prothiofos	fat	0.01	not set	250	0	0	0
pyraclofos	fat	0.02	0.05	250	0	0	0
spinetoram	fat	0.005	2	250	0	0	0
spinosad	fat	0.005	2	250	71	0	0
spirotetramat	fat	0.02	0.02	250	0	0	0
sulfoxaflor	fat	0.01	0.2	250	0	0	0
tau-fluvalinate	fat	0.01	not set	250	0	0	0
temephos	fat	0.02	not set	250	0	0	0
triflumuron	fat	0.01	0.05	250	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	250	7	0	0
arsenic (total)	liver	0.05	no limit	250	2	0	0
cadmium	liver	0.01	1.25	250	221	0	0
lead	liver	0.01	0.5	250	77	0	0
mercury (total)	liver	0.01	no limit	250	27	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	250	0	0	0
zearalanone	liver	0.002	no limit	250	0	0	0
zearalenol alpha	liver	0.002	no limit	250	0	0	0
zearalenol beta	liver	0.002	no limit	250	0	0	0
zearalenone	liver	0.002	no limit	250	0	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	250	0	0	0
clenbuterol	liver	0.0003	not set	250	0	0	0
flunixin	kidney	0.01	not set	250	0	0	0
ketoprofen	kidney	0.01	not set	250	0	0	0
mabuterol	liver	0.0003	not set	250	0	0	0
meloxicam	kidney	0.005	0.01	250	0	0	0
oxyphenbutazone	kidney	0.005	not set	250	0	0	0
phenylbutazone	kidney	0.005	not set	250	0	0	0
ractopamine	liver	0.0003	0.2	250	51	0	0
salbutamol	liver	0.001	not set	250	0	0	0
tolfenamic acid	kidney	0.005	0.01	250	0	0	0
zilpaterol	liver	0.0003	not set	250	0	0	0