



Kangaroo 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.

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Table 1: Anthelmintics

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
fluensulfone	fat	0.01	0.01	6	0	0	0

Table 2: 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	25	0	0	0
arochlor 1254	fat	0.03	not set	25	0	0	0
arochlor 1260	fat	0.03	0.2	25	0	0	0
chlordane	fat	0.02	0.2	25	0	0	0
DDT	fat	0.05	5	25	0	0	0

Kangaroo residue testing annual datasets 2019-20

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endosulfan	fat	0.02	not set	25	0	0	0
endrin	fat	0.01	not set	25	0	0	0
HCB (hexachlorobenzene)	fat	0.02	1	25	0	0	0
HCH (BHC)	fat	0.02	0.3	25	0	0	0
heptachlor	fat	0.02	0.2	25	0	0	0
lindane (gamma-HCH)	fat	0.01	2	25	0	0	0
mirex	fat	0.02	not set	25	0	0	0
pentachlorobenzene	fat	0.02	not set	25	0	0	0

Table 3: Fungicides

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
amisulbrom	fat	0.01	0.01	25	0	0	0
azoxystrobin	fat	0.01	0.02	6	0	0	0
bixafen	fat	0.02	0.2	25	0	0	0
boscalid	fat	0.01	0.3	25	0	0	0
carbendazim	fat	0.01	0.2	25	0	0	0
cyproconazole	fat	0.02	0.03	25	0	0	0
difenoconazole	fat	0.01	0.05	25	0	0	0
epoxiconazole	fat	0.01	0.01	6	0	0	0
fenpyrazamine	fat	0.01	0.01	6	0	0	0
fludioxonil	fat	0.01	0.05	25	0	0	0
fluopicolide	fat	0.01	0.01	25	0	0	0
fluopyram	fat	0.01	0.1	25	0	0	0
fluquinconazole	fat	0.01	0.5	25	0	0	0
flutriafol	fat	0.02	0.5	25	0	0	0
fluxapyroxad	fat	0.01	0.05	25	0	0	0
imazalil	fat	0.01	not set	25	0	0	0
isopyrazam	fat	0.01	0.01	6	0	0	0
mandestrobin	fat	0.01	0.02	25	0	0	0
procymidone	fat	0.02	0.2	25	0	0	0
propamocarb	fat	0.01	0.01	25	0	0	0
propiconazole	fat	0.02	0.1	25	0	0	0
prothioconazole	fat	0.02	0.02	25	0	0	0
pydiflumetofen	fat	0.01	0.01	6	0	0	0
pyraclostrobin	fat	0.01	0.05	6	0	0	0
pyrimethanil	fat	0.01	0.05	25	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
pyriofenone	fat	0.01	0.01	25	0	0	0
quinoxifen	fat	0.01	0.1	25	0	0	0
quintozene	fat	0.02	0.2	25	0	0	0
spiroxamine	fat	0.01	0.05	6	0	0	0
tebuconazole	fat	0.01	0.1	25	0	0	0
trifloxystrobin	fat	0.01	0.05	25	0	0	0

Table 4: 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	6	0	0	0
cloquintocet	fat	0.01	0.2	25	0	0	0
ethofumesate	fat	0.02	0.5	25	0	0	0
florpyrauxifen-benzyl	fat	0.01	0.02	6	0	0	0
indaziflam	fat	0.01	not set	25	0	0	0
metamitron	fat	0.01	0.05	6	0	0	0
metazachlor	fat	0.01	0.05	25	0	0	0
metolachlor	fat	0.02	0.05	25	0	0	0
propachlor	fat	0.02	0.02	25	0	0	0
pyrasulfotole	fat	0.01	0.01	25	0	0	0
pyroxulam	fat	0.01	0.01	25	0	0	0
saflufenacil	fat	0.01	0.01	25	0	0	0
topramezone	fat	0.01	0.01	6	0	0	0

Table 5: Insecticides

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
acetamiprid	fat	0.01	not set	25	0	0	0
afidopyropen	fat	0.012	0.1	6	0	0	0
bifenthrin	fat	0.02	2	25	0	0	0
bioresmethrin	fat	0.02	not set	25	0	0	0
carbaryl	fat	0.01	0.07	25	0	0	0
chlorantraniliprole	fat	0.01	0.02	25	0	0	0
chlorfenapyr	fat	0.02	0.05	25	0	0	0
chlorfenvinphos (sum of isomers)	fat	0.02	not set	25	0	0	0
chlorpyrifos	fat	0.01	0.5	25	0	0	0
chlorpyrifos-methyl	fat	0.01	0.05	25	0	0	0

Kangaroo residue testing annual datasets 2019-20

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
clothianidin	fat	0.01	not set	25	0	0	0
coumaphos	fat	0.02	not set	25	0	0	0
cyantraniliprole	fat	0.01	0.01	25	0	0	0
cyclaniliprole	fat	0.01	0.01	6	0	0	0
cyfluthrin (sum of isomers)	fat	0.02	0.5	25	0	0	0
cyhalothrin (sum of isomers)	fat	0.02	0.5	25	0	0	0
cypermethrin (sum of isomers)	fat	0.02	0.01	25	0	0	0
deltamethrin	fat	0.02	not set	25	0	0	0
diafenthiuron	fat	0.01	0.02	25	0	0	0
diazinon	fat	0.02	0.7	25	0	0	0
dichlorvos	fat	0.02	0.01	25	0	0	0
dicofol	fat	0.01	not set	25	0	0	0
dimethoate	fat	0.02	0.05	25	0	0	0
dinotefuran	fat	0.03	0.02	25	0	0	0
esfenvalerate	fat	0.02	1	25	0	0	0
ethion	fat	0.02	not set	25	0	0	0
famphur	fat	0.02	not set	25	0	0	0
famphur oxygen-analogue	fat	0.02	not set	25	0	0	0
fenitrothion	fat	0.02	0.05	25	0	0	0
fenthion	fat	0.02	not set	25	0	0	0
fenvalerate (sum of isomers)	fat	0.02	1	25	0	0	0
fipronil	fat	0.02	0.1	25	0	0	0
flonicamid	fat	0.01	0.02	25	0	0	0
flubendiamide	fat	0.01	0.05	25	0	0	0
flumethrin	fat	0.02	not set	25	0	0	0
flupyradifurone	fat	0.01	not set	6	0	0	0
imidacloprid	fat	0.01	0.05	25	0	0	0
indoxacarb	fat	0.02	3	25	0	0	0
malathion (maldison)	fat	0.01	1	25	0	0	0
metaflumizone	fat	0.01	not set	25	0	0	0
methidathion	fat	0.02	0.5	25	0	0	0
methoxychlor	fat	0.02	not set	25	0	0	0
mevinphos	fat	0.01	0.05	25	0	0	0
omethoate	fat	0.02	0.05	25	0	0	0
parathion-methyl	fat	0.02	not set	25	0	0	0
permethrin (sum of isomers)	fat	0.02	1	25	0	0	0
phosmet	fat	0.02	not set	25	0	0	0

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pirimiphos-methyl	fat	0.02	0.05	25	0	0	0
prothiofos	fat	0.01	not set	25	0	0	0
pyraclofos	fat	0.02	0.05	25	0	0	0
spirotetramat	fat	0.01	0.02	25	0	0	0
sulfoxaflor	fat	0.01	0.2	25	0	0	0
tau-fluvalinate	fat	0.01	not set	25	0	0	0
temephos	fat	0.02	not set	25	0	0	0

Table 6: Metals

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
antimony	liver	0.01	no limit	25	0	0	0
arsenic (total)	liver	0.05	no limit	25	5	0	0
cadmium	liver	0.01	no limit	25	15	0	0
lead	liver	0.01	no limit	25	22	0	0
mercury (total)	liver	0.01	no limit	25	0	0	0