



Kangaroo residue testing annual datasets 2018–19

National Residue Survey, Department of Agriculture

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 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 (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
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

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
mirex	fat	0.02	not set	25	0	0	0
pentachlorobenzene	fat	0.02	not set	25	0	0	0

Table 2 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
amisulbrom	fat	0.01	not set	9	0	0	0
bixafen	fat	0.02	not set	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	not set	9	0	0	0
fludioxonil	fat	0.01	not set	9	0	0	0
fluopicolide	fat	0.01	not set	9	0	0	0
fluopyram-A	fat	0.01	not set	9	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	9	0	0	0
mandestrobin	fat	0.01	not set	9	0	0	0
procymidone	fat	0.02	0.2	25	0	0	0
propamocarb	fat	0.01	not set	9	0	0	0
propiconazole	fat	0.02	0.1	25	0	0	0
prothioconazole	fat	0.02	0.02	25	0	0	0
pyrimethanil	fat	0.01	not set	9	0	0	0
pyriofenone	fat	0.01	not set	9	0	0	0
quinoxifen	fat	0.01	not set	9	0	0	0
quintozene	fat	0.02	0.2	25	0	0	0
tebuconazole	fat	0.01	not set	9	0	0	0
trifloxystrobin	fat	0.01	not set	9	0	0	0

Table 3 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
cloquintocet	fat	0.01	not set	9	0	0	0
ethofumesate	fat	0.02	0.5	25	0	0	0
indaziflam	fat	0.01	not set	9	0	0	0
metazachlor	fat	0.01	not set	25	0	0	0
metolachlor	fat	0.02	0.05	25	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
propachlor	fat	0.02	0.02	25	0	0	0
pyrasulfotole	fat	0.01	0.01	25	0	0	0
pyroxsulam	fat	0.01	not set	9	0	0	0
saflufenacil-A	fat	0.01	not set	9	0	0	0

Table 4 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
acetamiprid-A	fat	0.01	not set	9	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	fat	0.02	not set	25	0	0	0
chlorpyrifos	fat	0.02	0.5	25	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	25	0	0	0
clothianidin	fat	0.01	not set	9	0	0	0
coumaphos	fat	0.02	not set	25	0	0	0
cyantraniliprole	fat	0.01	not set	9	0	0	0
cyfluthrin	fat	0.02	0.5	25	0	0	0
cyhalothrin	fat	0.02	0.5	25	0	0	0
cypermethrin	fat	0.02	0.01	25	0	0	0
deltamethrin	fat	0.02	not set	25	0	0	0
diafenthiuron	fat	0.01	not set	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	not set	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
fenitrothion	fat	0.02	0.05	25	0	0	0
fenthion	fat	0.02	not set	25	0	0	0
fenvalerate	fat	0.02	1	25	0	0	0
fipronil	fat	0.02	0.1	25	0	0	0
flonicamid-A	fat	0.01	not set	9	0	0	0
flubendiamide	fat	0.01	0.05	25	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
flumethrin	fat	0.02	not set	25	0	0	0
imidacloprid	fat	0.01	0.05	25	0	0	0
indoxacarb	fat	0.02	1	25	0	0	0
malathion (maldison)	fat	0.01	1	25	0	0	0
metaflumizone	fat	0.01	not set	9	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	not set	25	0	0	0
omethoate	fat	0.02	not set	25	0	0	0
parathion-methyl	fat	0.02	not set	25	0	0	0
permethrin	fat	0.02	1	25	0	0	0
phosmet	fat	0.02	not set	25	0	0	0
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	not set	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 5 Metals

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ 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	13	0	0
lead	liver	0.01	no limit	25	21	0	0
mercury (total)	liver	0.01	no limit	25	1	0	0