



Kangaroo residue testing annual datasets 2017–18

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, 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

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
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 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
bixafen	fat	0.02	not set	11	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
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
procymidone	fat	0.02	0.2	25	0	0	0
propiconazole	fat	0.02	0.1	25	0	0	0
prothioconazole	fat	0.02	0.02	25	0	0	0
quintozene	fat	0.02	not set	25	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
ethofumesate	fat	0.02	0.5	25	0	0	0
metazachlor	fat	0.01	not set	11	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

Table 4 Insecticides

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
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	0.02	0.5	25	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	25	0	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
coumaphos	fat	0.02	not set	25	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	1	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
diafenthuron	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	11	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
flubendiamide	fat	0.01	0.05	25	0	0	0
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
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 (sum of isomers)	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

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
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	4	0	0
cadmium	liver	0.01	no limit	25	15	0	0
lead	liver	0.01	no limit	25	23	0	0
mercury (total)	liver	0.01	no limit	25	0	0	0