



Macadamia residue testing annual datasets 2015

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 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 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2-phenylphenol	whole	0.05	not set	135	–	0
azoxystrobin	whole	0.01	2	135	0	0
benalaxyl	whole	0.01	not set	135	–	0
bitertanol	whole	0.01	not set	135	–	0
boscalid	whole	0.01	0.5	135	0	0
bupirimate	whole	0.01	not set	135	–	0
captafol	whole	0.05	not set	135	–	0
captan	whole	0.05	3	135	0	0
carbendazim	whole	0.01	0.1	135	0	0
chlorothalonil	whole	0.01	not set	135	–	0
cyproconazole	whole	0.01	not set	135	–	0
cyprodinil	whole	0.01	not set	135	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	0.01	135	0	0
dimethomorph	whole	0.01	not set	135	-	0
dithianon	whole	0.01	not set	135	-	0
dithiocarbamates	whole	0.2	0.2	135	0	0
dodine	whole	0.01	not set	135	-	0
epoxiconazole	whole	0.01	not set	135	-	0
etridiazole	whole	0.01	not set	135	-	0
fenarimol	whole	0.01	not set	135	-	0
fenhexamid	whole	0.01	not set	135	-	0
fluazinam	whole	0.01	not set	135	-	0
fludioxonil	whole	0.01	not set	135	-	0
fluquinconazole	whole	0.01	not set	135	-	0
flusilazole	whole	0.01	not set	135	-	0
flutriafol	whole	0.01	not set	135	-	0
hexaconazole	whole	0.01	not set	135	-	0
imazalil	whole	0.01	not set	135	-	0
iprodione	whole	0.05	0.01	135	0	0
kresoxim-methyl	whole	0.01	not set	135	-	0
metalaxyl	whole	0.01	1	135	0	0
myclobutanil	whole	0.01	not set	135	-	0
oxadixyl	whole	0.01	not set	135	-	0
paclobutrazol	whole	0.01	not set	135	-	0
penconazole	whole	0.01	not set	135	-	0
prochloraz	whole	0.01	not set	135	-	0
procymidone	whole	0.01	not set	135	-	0
propiconazole	whole	0.01	0.2	135	0	0
prothioconazole	whole	0.05	not set	135	-	0
pyraclostrobin	whole	0.01	0.01	135	0	0
pyrimethanil	whole	0.01	not set	135	-	0
tebuconazole	whole	0.01	not set	135	-	0
thiabendazole	whole	0.01	not set	135	-	0
tolclofos methyl	whole	0.01	not set	135	-	0
triadimefon	whole	0.01	not set	135	-	0
triadimenol	whole	0.01	not set	135	-	0
trifloxystrobin	whole	0.01	0.05	135	0	0
triticonazole	whole	0.01	not set	135	-	0
vinclozolin	whole	0.01	not set	135	-	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2,2-DPA (2,2-dichloropropionic acid)	whole	0.05	not set	135	-	0
2,4-D	whole	0.01	not set	135	-	0
amitrole	whole	0.01	not set	10	-	0
atrazine	whole	0.01	not set	135	-	0
bromacil	whole	0.01	not set	135	-	0
bromoxynil	whole	0.01	not set	135	-	0
carfentrazone-ethyl	whole	0.01	0.05	135	0	0
chlorpropham	whole	0.05	not set	135	-	0
chlorsulfuron	whole	0.01	not set	135	-	0
chlorthal-dimethyl	whole	0.01	not set	135	-	0
clethodim (parent only)	whole	0.01	not set	135	-	0
clodinafop-propargyl	whole	0.01	not set	135	-	0
clopyralid	whole	0.05	not set	135	-	0
cyanazine	whole	0.01	not set	135	-	0
dicamba	whole	0.01	not set	135	-	0
dichlobenil	whole	0.01	not set	135	-	0
dichlorprop	whole	0.01	not set	135	-	0
diclofop-methyl	whole	0.01	not set	10	-	0
diflufenican	whole	0.01	not set	135	-	0
diquat	whole	0.01	0.05	10	0	0
diuron	whole	0.01	not set	135	-	0
ethofumesate	whole	0.01	not set	135	-	0
fenoxaprop-ethyl	whole	0.01	not set	10	-	0
flamprop-M-methyl	whole	0.01	not set	10	-	0
fluazifop-p-butyl	whole	0.01	not set	10	-	0
glufosinate	whole	0.01	0.1	10	0	0
glyphosate	whole	0.01	0.2	10	0	0
haloxyfop	whole	0.01	not set	10	-	0
iodosulfuron-methyl	whole	0.01	not set	135	-	0
ioxynil	whole	0.01	not set	135	-	0
isoxaben	whole	0.01	0.01	135	0	0
linuron	whole	0.05	not set	135	-	0
MCPA	whole	0.01	not set	135	-	0
methabenthiazuron	whole	0.01	not set	135	-	0
metolachlor	whole	0.01	not set	135	-	0
metosulam	whole	0.01	not set	135	-	0
metribuzin	whole	0.01	not set	135	-	0
metsulfuron-methyl	whole	0.01	not set	135	-	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
napropamide	whole	0.01	not set	135	–	0
norflurazon	whole	0.01	0.2	135	0	0
oryzalin	whole	0.01	0.1	135	0	0
oxyfluorfen	whole	0.01	0.05	135	0	0
paraquat	whole	0.01	0.05	10	0	0
pendimethalin	whole	0.01	0.05	135	0	0
picloram	whole	0.01	not set	135	–	0
propachlor	whole	0.01	not set	135	–	0
propyzamide	whole	0.01	not set	82	–	0
quizalofop-ethyl	whole	0.01	not set	145	–	0
quizalofop-P-tefuryl	whole	0.01	not set	145	–	0
saflufenacil	whole	0.01	0.03	135	0	0
sethoxydim	whole	0.01	not set	135	–	0
simazine	whole	0.01	0.1	135	0	0
tralkoxydim	whole	0.01	not set	135	–	0
triasulfuron	whole	0.01	not set	135	–	0
triclopyr	whole	0.01	not set	135	–	0
trifluralin	whole	0.01	not set	135	–	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
abamectin	whole	0.01	0.01	135	0	0
acephate	whole	0.05	0.1	135	0	0
acetamiprid	whole	0.01	not set	135	–	0
aldicarb	whole	0.01	not set	135	–	0
amitraz	whole	0.01	not set	135	–	0
azamethiphos	whole	0.01	not set	135	–	0
azinphos-methyl	whole	0.01	0.01	135	0	0
bifenazate	whole	0.01	not set	135	–	0
bifenthrin	whole	0.01	not set	135	–	0
bioresmethrin	whole	0.01	not set	135	–	0
buprofezin	whole	0.01	not set	135	–	0
cadusafos	whole	0.01	not set	135	–	0
carbaryl	whole	0.01	2	135	0	0
carbofuran	whole	0.01	not set	135	–	0
chlorantraniliprole	whole	0.01	0.01	135	0	0
chlorfenapyr	whole	0.01	not set	135	–	0
chlorfenvinphos	whole	0.01	not set	135	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorpyrifos	whole	0.01	0.05	135	0	0
chlorpyrifos-methyl	whole	0.01	not set	135	-	0
clofentezine	whole	0.01	not set	135	-	0
clothianidin	whole	0.01	not set	135	-	0
cyfluthrin	whole	0.01	0.05	135	0	0
cyhalothrin	whole	0.01	not set	135	-	0
cypermethrin	whole	0.01	0.01	135	0	0
deltamethrin	whole	0.01	not set	135	-	0
diazinon	whole	0.01	0.1	135	0	0
dichlorvos	whole	0.01	2	135	0	0
dicofol	whole	0.01	not set	135	-	0
diflubenzuron	whole	0.01	not set	135	-	0
dimethoate	whole	0.01	not set	135	-	0
disulfoton	whole	0.01	not set	135	-	0
emamectin	whole	0.01	not set	135	-	0
endosulfan	whole	0.01	not set	135	-	0
esfenvalerate	whole	0.01	not set	135	-	0
ethion	whole	0.01	not set	135	-	0
ethoprophos	whole	0.005	not set	135	-	0
etoxazole	whole	0.01	not set	135	-	0
fenamiphos	whole	0.01	not set	135	-	0
fenbutatin oxide	whole	0.01	not set	135	-	0
fenitrothion	whole	0.01	not set	135	-	0
fenoxy carb	whole	0.01	not set	135	-	0
fenpyroximate	whole	0.01	not set	135	-	0
fenthion	whole	0.01	not set	135	-	0
fenvalerate	whole	0.01	not set	135	-	0
fipronil	whole	0.01	not set	135	-	0
hexythiazox	whole	0.01	not set	135	-	0
imidacloprid	whole	0.01	not set	135	-	0
indoxacarb	whole	0.01	not set	135	-	0
malathion (maldison)	whole	0.01	8	135	0	0
metaldehyde	whole	0.05	not set	135	-	0
methacrifos	whole	0.01	not set	135	-	0
methamidophos	whole	0.01	not set	135	-	0
methidathion	whole	0.01	0.01	135	0	0
methiocarb	whole	0.01	not set	135	-	0
methomyl	whole	0.01	1	135	0	0
methoprene	whole	0.01	not set	135	-	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methoxychlor	whole	0.01	not set	135	-	0
methoxyfenozide	whole	0.01	0.05	135	0	0
mevinphos	whole	0.01	not set	135	-	0
monocrotophos	whole	0.01	not set	135	-	0
omethoate	whole	0.01	not set	135	-	0
parathion	whole	0.01	not set	135	-	0
parathion-methyl	whole	0.01	not set	135	-	0
permethrin	whole	0.01	not set	135	-	0
phenothrin	whole	0.01	not set	135	-	0
phorate	whole	0.01	not set	135	-	0
phosmet	whole	0.01	not set	135	-	0
piperonyl butoxide	whole	0.01	8	135	0	0
pirimicarb	whole	0.01	0.05	135	0	0
pirimiphos-methyl	whole	0.01	not set	135	-	0
profenofos	whole	0.01	not set	135	-	0
propargite	whole	0.01	not set	135	-	0
prothiofos	whole	0.01	not set	135	-	0
pymetrozine	whole	0.01	not set	135	-	0
pyrethrins	whole	0.05	1	135	0	0
pyridaben	whole	0.02	0.05	135	0	0
pyriproxifen	whole	0.01	not set	135	-	0
spinetoram	whole	0.01	0.02	135	0	0
spinosad	whole	0.01	0.01	135	0	0
spirotetramat	whole	0.01	not set	135	-	0
sulfoxaflor	whole	0.01	not set	135	-	0
tau-fluvalinate	whole	0.01	not set	135	-	0
tebufenozide	whole	0.01	0.05	135	0	0
tebufenpyrad	whole	0.01	not set	135	-	0
terbufos	whole	0.01	not set	135	-	0
tetradifon	whole	0.01	not set	135	-	0
thiacloprid	whole	0.01	not set	135	-	0
thiamethoxam	whole	0.01	not set	135	-	0
thiodicarb	whole	0.01	not set	135	-	0
triazofos	whole	0.01	not set	135	-	0
trichlorfon	whole	0.01	0.1	135	0	0
triflumuron	whole	0.01	not set	135	-	0

Table 4 Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	not set	135	-	0
chlordane	whole	0.01	not set	135	-	0
DDT	whole	0.01	not set	135	-	0
endrin	whole	0.01	not set	135	-	0
HCB (hexachlorobenzene)	whole	0.01	not set	135	-	0
HCH (or BHC)	whole	0.01	not set	135	-	0
heptachlor	whole	0.01	not set	135	-	0
lindane (gamma-HCH)	whole	0.01	not set	135	-	0
mirex	whole	0.01	not set	135	-	0

Table 5 Physiological Modifier

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diphenylamine	whole	0.01	not set	135	-	0