Macadamia residue testing annual datasets 2021-22

National Residue Survey (NRS), Department of Agriculture, Fisheries and Forestry

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

Table 1: CONTAMINANTS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	Whole	0.01	not set	126	-	-
chlordane	Whole	0.01	not set	126	-	-
DDT	Whole	0.01	not set	126	-	-
endosulfan	Whole	0.01	not set	126	-	-
endrin	Whole	0.01	not set	126	-	-
HCB	Whole	0.01	not set	126	-	-
HCH	Whole	0.01	not set	126	-	-
heptachlor	Whole	0.01	not set	126	-	-
lindane (gamma-HCH)	Whole	0.01	not set	126	-	-
mirex	Whole	0.01	not set	126	-	-

Table 2: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
2-phenylphenol	Whole	0.05	not set	126	-	-

azoxystrobin	Whole	0.01	0.01	126	0	0
benalaxyl	Whole	0.01	not set	126	-	-
bitertanol	Whole	0.01	not set	126	-	-
boscalid	Whole	0.01	0.5	126	0	0
bupirimate	Whole	0.01	not set	126	-	-
captafol	Whole	0.05	not set	126	-	-
captan	Whole	0.05	3	126	0	0
carbendazim	Whole	0.01	0.1	126	0	0
chlorothalonil	Whole	0.01	not set	126	-	-
cyproconazole	Whole	0.01	not set	126	-	-
cyprodinil	Whole	0.01	not set	126	-	-
difenoconazole	Whole	0.01	0.01	126	0	0
dimethomorph	Whole	0.01	not set	126	-	-
dithianon	Whole	0.01	not set	126	-	-
dithiocarbamates	Whole	0.2	not set	126	-	-
dodine	Whole	0.01	not set	126	-	-
epoxiconazole	Whole	0.01	not set	126	-	-
etridiazole	Whole	0.01	not set	126	-	-
fenarimol	Whole	0.01	not set	126	-	-
fenbuconazole	Whole	0.01	not set	126	-	-
fenhexamid	Whole	0.01	not set	126	-	-
fluazinam	Whole	0.01	not set	126	-	-
fludioxonil	Whole	0.01	not set	126	-	-
fluopyram	Whole	0.01	0.2	126	0	0
fluquinconazole	Whole	0.01	not set	126	-	-
flusilazole	Whole	0.01	not set	126	-	-
flutriafol	Whole	0.01	0.5	126	0	0
hexaconazole	Whole	0.01	not set	126	-	-
imazalil	Whole	0.01	not set	126	-	-
iprodione	Whole	0.01	0.01	126	0	0
kresoxim-methyl	Whole	0.01	not set	126	-	-
mandestrobin	Whole	0.01	not set	126	-	-
metalaxyl	Whole	0.01	1	126	0	0
metrafenone	Whole	0.01	not set	126	-	-
myclobutanil	Whole	0.01	not set	126	-	-
oxadixyl	Whole	0.01	not set	126	-	-
paclobutrazol	Whole	0.01	not set	126	-	-
penconazole	Whole	0.01	not set	126	-	-
penthiopyrad	Whole	0.01	0.1	126	0	0

prochloraz	Whole	0.01	not set	126	-	-
procymidone	Whole	0.01	not set	126	-	-
propiconazole	Whole	0.01	0.2	126	0	0
prothioconazole	Whole	0.01	not set	126	-	-
pyraclostrobin	Whole	0.01	0.07	126	0	0
pyrimethanil	Whole	0.01	not set	126	-	-
tebuconazole	Whole	0.01	0.01	126	0	0
thiabendazole	Whole	0.01	not set	126	-	-
tolclofos methyl	Whole	0.01	not set	126	-	-
triadimefon	Whole	0.01	not set	126	-	-
triadimenol	Whole	0.01	not set	126	-	-
trifloxystrobin	Whole	0.01	not set	126	-	-
triforine	Whole	0.01	not set	126	-	-
triticonazole	Whole	0.01	not set	126	-	-
vinclozolin	Whole	0.01	not set	126	-	-

Table 3: HERBICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
2,2-DPA (2,2-dichloropropionic acid)	Whole	0.05	not set	126	-	-
2,4-D	Whole	0.01	not set	126	-	-
amitrole	Whole	0.01	not set	39	-	-
atrazine	Whole	0.01	not set	126	-	-
bromacil	Whole	0.01	not set	126	-	-
bromoxynil	Whole	0.01	not set	126	-	-
carfentrazone-ethyl	Whole	0.01	0.05	126	0	0
chlormequat	Whole	0.01	not set	39	-	-
chlorpropham	Whole	0.05	not set	126	-	-
chlorsulfuron	Whole	0.01	not set	126	-	-
chlorthal-dimethyl	Whole	0.01	not set	126	-	-
clethodim	Whole	0.01	not set	126	-	-
clodinafop-propargyl	Whole	0.01	not set	126	-	-
clopyralid	Whole	0.05	not set	126	-	-
cyanazine	Whole	0.01	not set	126	-	-
dicamba	Whole	0.01	not set	126	-	-
dichlobenil	Whole	0.01	not set	126	-	-
dichlorprop-P	Whole	0.01	not set	39	-	-
diclofop-methyl	Whole	0.01	not set	39	-	-

diflufenican	Whole	0.01	not set	126	-	-
diquat	Whole	0.01	0.05	39	0	
diuron	Whole	0.01	not set	126	-	-
ethofumesate	Whole	0.01	not set	126	-	-
fenoxaprop-ethyl	Whole	0.01	not set	126	-	-
flamprop-M-methyl	Whole	0.01	not set	39	-	-
fluazifop-p-butyl	Whole	0.01	not set	39	-	-
flumioxazin	Whole	0.02	0.02	126	0	0
glufosinate	Whole	0.01	0.1	39	0	0
glyphosate	Whole	0.01	0.2	39	0	0
haloxyfop	Whole	0.01	0.05	39	0	0
iodosulfuron-methyl	Whole	0.01	not set	126	-	-
ioxynil	Whole	0.01	not set	126	-	-
isoxaben	Whole	0.01	0.01	126	0	0
linuron	Whole	0.01	not set	126	-	-
MCPA	Whole	0.01	not set	126	-	-
methabenzthiazuron	Whole	0.01	not set	126	-	-
metolachlor	Whole	0.01	not set	126	-	-
metosulam	Whole	0.01	not set	126	-	-
metribuzin	Whole	0.01	not set	126	-	-
metsulfuron-methyl	Whole	0.01	not set	126	-	-
napropamide	Whole	0.01	not set	126	-	-
norflurazon	Whole	0.01	0.2	126	0	0
oryzalin	Whole	0.01	0.1	126	0	0
oxyfluorfen	Whole	0.01	0.05	126	0	0
paraquat	Whole	0.01	0.05	39	0	0
pendimethalin	Whole	0.01	0.05	126	0	0
picloram	Whole	0.01	not set	126	-	-
propachlor	Whole		not set	126	-	-
propaquizafop	Whole	0.01	not set	39	-	-
propyzamide	Whole	0.01	not set	126	-	-
quizalofop-ethyl	Whole	0.01	not set	39	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	39	-	-
saflufenacil	Whole	0.01	0.03	126	0	0
sethoxydim	Whole	0.01	not set	126	-	-
simazine	Whole	0.01	0.1	126	0	0
tralkoxydim	Whole	0.01	not set	126	-	-
triasulfuron	Whole	0.01	not set	126	-	-
triclopyr	Whole	0.01	not set	126	-	-

trifluralin	Whole	0.01	not set	126	-	-

Table 4: INSECTICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
abamectin	Whole	0.01	0.01	126	0	0
acephate	Whole	0.05	0.1	126	0	0
acetamiprid	Whole	0.01	0.01	126	0	0
aldicarb	Whole	0.01	not set	126	-	-
amitraz	Whole	0.01	not set	126	-	-
azamethiphos	Whole	0.01	not set	126	-	-
azinphos-methyl	Whole	0.01	not set	126	-	-
bifenazate	Whole	0.01	not set	126	-	-
bifenthrin	Whole	0.01	not set	126	-	-
bioresmethrin	Whole	0.01	not set	126	-	-
buprofezin	Whole	0.01	0.1	126	0	0
cadusafos	Whole	0.005	not set	126	-	-
carbaryl	Whole	0.01	2	126	0	0
carbofuran	Whole	0.005	not set	126	-	-
chlorantraniliprole	Whole	0.01	0.1	126	0	0
chlorfenapyr	Whole	0.01	not set	126	-	-
chlorfenvinphos	Whole	0.01	not set	126	-	-
chlorpyrifos	Whole	0.005	0.05	126	0	0
chlorpyrifos-methyl	Whole	0.005	not set	126	-	-
clofentezine	Whole	0.01	not set	126	-	-
clothianidin	Whole	0.01	0.1	126	0	0
cyantraniliprole	Whole	0.01	0.05	126	0	0
cyfluthrin	Whole	0.01	0.05	126	0	0
cyhalothrin	Whole	0.01	not set	126	-	-
cypermethrin	Whole	0.01	0.01	126	0	0
deltamethrin	Whole	0.01	not set	126	-	-
diazinon	Whole	0.01	0.1	126	0	0
dichlorvos	Whole	0.01	2	126	0	0
dicofol	Whole	0.01	not set	126	-	-
diflubenzuron	Whole	0.01	not set	126	-	-
dimethoate	Whole	0.01	not set	126	-	-
disulfoton	Whole	0.01	not set	126	-	-
emamectin	Whole	0.005	not set	126	-	-
ethion	Whole	0.01	not set	126	-	-

ethoprophos	Whole	0.005	not set	126	-	-
etoxazole	Whole	0.01	not set	126	-	-
fenamiphos	Whole	0.01	not set	126	-	-
fenbutatin oxide	Whole	0.01	not set	126	-	-
fenitrothion	Whole	0.01	not set	126	-	-
fenoxycarb	Whole	0.01	not set	126	-	-
fenpyroximate	Whole	0.01	not set	126	-	-
fenthion	Whole	0.01	not set	126	-	-
fenvalerate	Whole	0.01	not set	126	-	-
fipronil	Whole	0.005	not set	126	-	-
flonicamid	Whole	0.01	not set	126	-	-
hexythiazox	Whole	0.01	not set	126	-	-
imidacloprid	Whole	0.01	not set	126	-	-
indoxacarb	Whole	0.01	0.03	126	0	0
malathion	Whole	0.01	8	126	0	0
metaldehyde	Whole	0.05	not set	126	-	-
methacrifos	Whole	0.01	not set	126	-	-
methamidophos	Whole	0.01	not set	126	-	-
methidathion	Whole	0.01	not set	126	-	-
methiocarb	Whole	0.01	not set	126	-	-
methomyl	Whole	0.01	1	126	0	0
methoprene	Whole	0.01	not set	126	-	-
methoxychlor	Whole	0.01	not set	126	-	-
methoxyfenozide	Whole	0.01	0.05	126	0	0
mevinphos	Whole	0.01	not set	126	-	-
monocrotophos	Whole	0.01	not set	126	-	-
novaluron	Whole	0.01	not set	126	-	-
omethoate	Whole	0.01	not set	126	-	-
parathion	Whole	0.01	not set	126	-	-
parathion-methyl	Whole	0.01	not set	126	-	-
permethrin	Whole	0.01	not set	126	-	-
phenothrin	Whole	0.01	not set	126	-	-
phorate	Whole	0.01	not set	126	-	-
phosmet	Whole	0.01	not set	126	-	-
piperonyl butoxide	Whole	0.01	8	126	0	0
pirimicarb	Whole	0.01	0.05	126	0	0
pirimiphos-methyl	Whole	0.01	not set	126	-	-
profenofos	Whole	0.01	not set	126	-	-
propargite	Whole	0.01	not set	126	-	-

prothiofos	Whole	0.01	not set	126	-	-
pymetrozine	Whole	0.01	not set	126	-	-
pyrethrins	Whole	0.05	1	126	0	0
pyridaben	Whole	0.02	not set	126	-	-
pyriproxyfen	Whole	0.01	0.01	126	0	0
spinetoram	Whole	0.01	0.02	126	0	0
spinosad	Whole	0.01	0.01	126	0	0
spirotetramat	Whole	0.01	not set	126	-	-
sulfoxaflor	Whole	0.01	0.01	126	0	0
tau-fluvalinate	Whole	0.01	not set	126	-	-
tebufenozide	Whole	0.01	0.05	126	0	0
tebufenpyrad	Whole	0.01	not set	126	-	-
terbufos	Whole	0.005	not set	126	-	-
tetradifon	Whole	0.01	not set	126	-	-
thiacloprid	Whole	0.01	not set	126	-	-
thiamethoxam	Whole	0.01	not set	126	-	-
thiodicarb	Whole	0.01	not set	126	-	-
triazofos	Whole	0.01	not set	126	-	-
trichlorfon	Whole	0.01	0.1	126	0	0
triflumuron	Whole	0.01	not set	126	-	-

Table 5: METALS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
arsenic (total)	Whole	0.05	no limit	126	0	0
cadmium	Whole	0.01	no limit	126	0	0
copper	Whole	0.05	no limit	126	0	0
lead	Whole	0.01	no limit	126	0	0
mercury (total)	Whole	0.01	no limit	126	0	0

Table 6: PHYSIOLOGICAL MODIFIER

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
diphenylamine	Whole	0.01	not set	126	-	-