



Lemon residue testing annual datasets 2018

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	10	21	0	0
azoxystrobin	whole	0.01	3	21	0	0
benalaxyl	whole	0.01	not set	21	-	0
bitertanol	whole	0.01	not set	21	-	0
boscalid	whole	0.01	0.5	21	0	0
bupirimate	whole	0.01	not set	21	-	0
captafol	whole	0.05	not set	21	-	0
captan	whole	0.05	not set	21	-	0
carbendazim	whole	0.01	not set	21	-	0
chlorothalonil	whole	0.01	not set	21	-	0
cyproconazole	whole	0.01	not set	21	-	0
cyprodinil	whole	0.01	not set	21	-	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	not set	21	-	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	21	-	0
dithianon	whole	0.01	2	21	0	0
dodine	whole	0.01	not set	21	-	0
epoxiconazole	whole	0.01	not set	21	-	0
etridiazole	whole	0.01	not set	21	-	0
fenarimol	whole	0.01	not set	21	-	0
fenbuconazole	whole	0.01	not set	14	-	0
fenhexamid	whole	0.01	not set	21	-	0
fluazinam	whole	0.01	not set	21	-	0
fludioxonil	whole	0.01	10	21	0	0
fluopyram	whole	0.01	not set	14	-	0
fluquinconazole	whole	0.01	not set	21	-	0
flusilazole	whole	0.01	not set	21	-	0
flutriafol	whole	0.01	0.5	21	0	0
hexaconazole	whole	0.01	not set	21	-	0
imazalil	whole	0.01	10	21	0	3
iprodione	whole	0.05	not set	21	-	0
kresoxim-methyl	whole	0.01	not set	21	-	0
mandestrobin	whole	0.01	not set	14	-	0
metalaxyl	whole	0.01	not set	21	-	0
metrafenone	whole	0.01	not set	21	-	0
myclobutanil	whole	0.01	not set	21	-	0
oxadixyl	whole	0.01	not set	21	-	0
paclobutrazol	whole	0.01	not set	21	-	0
penconazole	whole	0.01	not set	21	-	0
penthiopyrad	whole	0.01	not set	21	-	0
prochloraz	whole	0.01	not set	21	-	0
procymidone	whole	0.01	not set	21	-	0
propiconazole	whole	0.01	7	21	0	0
prothioconazole	whole	0.05	not set	21	-	0
pyraclostrobin	whole	0.01	not set	21	-	0
pyrimethanil	whole	0.01	7	21	0	0
tebuconazole	whole	0.01	not set	21	-	0
thiabendazole-P	whole	0.01	10	21	0	2
tolclofos methyl	whole	0.01	not set	21	-	0
triadimefon	whole	0.01	not set	21	-	0
triadimenol	whole	0.01	not set	21	-	0
trifloxystrobin	whole	0.01	not set	21	-	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triforine	whole	0.01	not set	14	-	0
triticonazole	whole	0.01	not set	21	-	0
vinclozolin	whole	0.01	not set	21	-	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2,2-DPA (2,2-dichloropropionic acid)	whole	0.05	0.1	21	0	0
2,4-D	whole	0.01	5	21	0	0
atrazine	whole	0.01	not set	21	-	0
bromacil	whole	0.01	0.04	21	0	0
bromoxynil	whole	0.01	not set	21	-	0
carfentrazone-ethyl	whole	0.01	0.05	21	0	0
chlorpropham	whole	0.05	not set	21	-	0
chlorsulfuron	whole	0.01	not set	21	-	0
chlorthal-dimethyl	whole	0.01	not set	21	-	0
clethodim (parent only)	whole	0.01	not set	21	-	0
clodinafop-propargyl	whole	0.01	not set	21	-	0
clopyralid	whole	0.05	not set	21	-	0
cyanazine	whole	0.01	not set	21	-	0
dicamba	whole	0.01	not set	21	-	0
dichlobenil	whole	0.01	0.1	21	0	0
dichlorprop-P	whole	0.01	0.2	21	0	0
diflufenican	whole	0.01	not set	21	-	0
diuron	whole	0.01	not set	21	-	0
ethofumesate	whole	0.01	not set	21	-	0
flumioxazin	whole	0.02	0.05	14	0	0
iodosulfuron-methyl	whole	0.01	not set	21	-	0
ioxynil	whole	0.01	not set	21	-	0
isoxaben	whole	0.01	0.01	21	0	0
linuron	whole	0.05	not set	21	-	0
MCPA	whole	0.01	not set	21	-	0
methabenzthiazuron	whole	0.01	not set	21	-	0
metolachlor	whole	0.01	not set	21	-	0
metosulam	whole	0.01	not set	21	-	0
metribuzin	whole	0.01	not set	21	-	0
metsulfuron-methyl	whole	0.01	not set	21	-	0
napropamide	whole	0.01	not set	21	-	0
norflurazon	whole	0.01	0.2	21	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
oryzalin	whole	0.01	0.1	21	0	0
oxyfluorfen	whole	0.01	not set	21	-	0
pendimethalin	whole	0.01	0.05	21	0	0
picloram	whole	0.01	not set	21	-	0
propachlor	whole	0.01	not set	21	-	0
propyzamide	whole	0.01	not set	21	-	0
quizalofop-ethyl	whole	0.01	not set	21	-	0
quizalofop-P-tefuryl	whole	0.01	not set	21	-	0
saflufenacil	whole	0.01	0.03	21	0	0
sethoxydim	whole	0.01	not set	21	-	0
simazine	whole	0.01	0.1	21	0	0
tralkoxydim	whole	0.01	not set	21	-	0
triasulfuron	whole	0.01	not set	21	-	0
triclopyr	whole	0.01	0.2	21	0	0
trifluralin	whole	0.01	0.05	21	0	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
abamectin	whole	0.01	1	21	0	0
acephate	whole	0.05	not set	21	-	0
acetamiprid-P	whole	0.01	1	21	0	0
aldicarb	whole	0.01	not set	21	-	0
amitraz	whole	0.01	not set	21	-	0
azamethiphos	whole	0.01	not set	21	-	0
azinphos-methyl	whole	0.01	not set	21	-	0
bifenazate	whole	0.01	not set	21	-	0
bifenthrin	whole	0.01	0.05	21	0	0
bioresmethrin	whole	0.01	not set	21	-	0
buprofezin	whole	0.01	2	21	0	0
cadusafos	whole	0.01	0.01	21	0	0
carbaryl	whole	0.01	3	21	0	0
carbofuran	whole	0.01	not set	21	-	0
chlorantraniliprole	whole	0.01	0.01	21	0	0
chlorfenapyr	whole	0.01	not set	21	-	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	21	-	0
chlorpyrifos	whole	0.01	0.5	21	0	0
chlorpyrifos-methyl	whole	0.01	not set	21	-	0
clofentezine	whole	0.01	not set	21	-	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
clothianidin	whole	0.01	0.2	21	0	0
cyantraniliprole	whole	0.01	0.7	14	1	0
cyfluthrin (sum of isomers)	whole	0.01	not set	21	3	0
cyhalothrin (sum of isomers)	whole	0.01	0.01	21	0	0
cypermethrin (sum of isomers)	whole	0.01	0.01	21	0	0
deltamethrin	whole	0.01	not set	21	-	0
diazinon	whole	0.01	0.7	21	0	0
dichlorvos	whole	0.01	0.1	21	0	0
dicofol	whole	0.01	5	21	0	0
diflubenzuron	whole	0.01	not set	21	-	0
dimethoate	whole	0.01	5	21	0	0
disulfoton	whole	0.01	not set	21	-	0
emamectin	whole	0.01	not set	21	-	0
esfenvalerate	whole	0.01	not set	21	-	0
ethion	whole	0.01	1	21	0	0
ethoprophos	whole	0.005	not set	21	-	0
etoxazole	whole	0.01	0.5	21	0	0
fenamiphos	whole	0.01	not set	21	-	0
fenbutatin oxide	whole	0.01	5	21	0	0
fenitrothion	whole	0.01	not set	21	-	0
fenoxycarb	whole	0.01	not set	21	-	0
fenpyroximate	whole	0.01	not set	21	-	0
fenthion	whole	0.01	not set	21	-	0
fenvalerate (sum of isomers)	whole	0.01	not set	21	-	0
fipronil	whole	0.01	0.01	21	0	0
flonicamid	whole	0.01	not set	21	-	0
hexythiazox	whole	0.01	not set	21	-	0
imidacloprid	whole	0.01	2	21	1	0
indoxacarb	whole	0.01	not set	21	-	0
malathion (maldison)	whole	0.01	4	21	0	0
metaldehyde	whole	0.05	1	21	0	0
methacrifos	whole	0.01	not set	21	-	0
methamidophos	whole	0.01	not set	21	-	0
methidathion	whole	0.01	2	21	3	0
methiocarb	whole	0.01	0.1	21	0	0
methomyl	whole	0.01	1	21	0	0
methoprene	whole	0.01	not set	21	-	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methoxychlor	whole	0.01	not set	21	-	0
methoxyfenozide	whole	0.01	1	21	0	0
mevinphos	whole	0.01	not set	21	-	0
monocrotophos	whole	0.01	not set	21	-	0
novaluron	whole	0.01	not set	14	-	0
omethoate	whole	0.01	2	21	0	0
parathion	whole	0.01	not set	21	-	0
parathion-methyl	whole	0.01	not set	21	-	0
permethrin (sum of isomers)	whole	0.01	not set	21	-	0
phenothrin (sum of isomers)	whole	0.01	not set	21	-	0
phorate	whole	0.01	not set	21	-	0
phosmet	whole	0.01	not set	21	-	0
piperonyl butoxide	whole	0.01	8	21	0	0
pirimicarb	whole	0.01	0.5	21	0	0
pirimiphos-methyl	whole	0.01	not set	21	-	0
profenofos	whole	0.01	not set	21	-	0
propargite	whole	0.01	not set	21	-	0
prothiofos	whole	0.01	not set	21	-	0
pymetrozine	whole	0.01	not set	21	-	0
pyrethrins	whole	0.05	1	21	0	0
pyridaben	whole	0.02	not set	21	-	0
pyriproxyfen	whole	0.01	0.3	21	1	0
spinetoram	whole	0.01	0.2	21	0	0
spinosad	whole	0.01	0.3	21	0	0
spirotetramat	whole	0.01	1	21	4	0
sulfoxaflor	whole	0.01	0.7	21	0	0
tau-fluvalinate	whole	0.01	not set	21	-	0
tebufenozide	whole	0.01	1	21	0	0
tebufenpyrad	whole	0.01	not set	21	-	0
terbufos	whole	0.01	not set	21	-	0
tetradifon	whole	0.01	not set	21	-	0
thiacloprid	whole	0.01	not set	21	-	0
thiamethoxam	whole	0.01	1	21	0	0
thiodicarb	whole	0.01	not set	21	-	0
triazofos	whole	0.01	not set	21	-	0
trichlorfon	whole	0.01	0.1	21	0	0
triflumuron	whole	0.01	not set	21	-	0

Table 4 Contaminants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	0.05	21	0	0
chlordane	whole	0.01	0.02	21	0	0
DDT	whole	0.01	1	21	0	0
endosulfan	whole	0.01	not set	21	-	0
endrin	whole	0.01	not set	21	-	0
HCB (hexachlorobenzene)	whole	0.01	not set	21	-	0
HCH (BHC)	whole	0.01	not set	21	-	0
heptachlor	whole	0.01	0.01	21	0	0
lindane (gamma-HCH)	whole	0.01	0.5	21	0	0
mirex	whole	0.01	not set	21	-	0

Table 4 - Physiological Modifier

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diphenylamine	whole	0.01	not set	21	-	0