



Apple residue testing annual datasets 2014–15

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	294	0	0
azoxystrobin	whole	0.01	not set	294	0	0
benalaxyl	whole	0.01	not set	294	0	0
bitertanol	whole	0.01	not set	294	0	0
boscalid	whole	0.01	2	294	0	0
bupirimate	whole	0.01	1	294	0	0
captafol	whole	0.05	not set	294	0	0
captan	whole	0.05	10	294	0	0
carbendazim	whole	0.01	not set	294	0	1
chlorothalonil	whole	0.01	2	294	0	0
cyproconazole	whole	0.01	not set	294	0	0
cyprodinil	whole	0.01	0.05	294	0	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	0.3	294	0	0
dimethomorph	whole	0.01	not set	294	0	0
dithianon	whole	0.01	2	294	0	0
dithiocarbamates	whole	0.2	3	294	2	0
dodine	whole	0.01	5	294	0	0
epoxiconazole	whole	0.01	not set	294	0	0
etridiazole	whole	0.01	not set	294	0	0
fenarimol	whole	0.01	0.2	294	0	0
fenhexamid	whole	0.01	not set	294	0	0
fluazinam	whole	0.01	0.01	294	0	0
fludioxonil	whole	0.01	5	294	0	0
fluquinconazole	whole	0.01	0.3	294	0	0
flusilazole	whole	0.01	0.2	294	0	0
flutriafol	whole	0.01	not set	294	0	0
hexaconazole	whole	0.01	0.1	294	0	0
imazalil	whole	0.01	5	294	0	0
iprodione	whole	0.05	3	294	2	0
kresoxim-methyl	whole	0.01	0.1	294	0	0
metalaxyl	whole	0.01	0.2	294	0	0
myclobutanil	whole	0.01	0.5	294	0	0
oxadixyl	whole	0.01	not set	294	0	0
paclobutrazol	whole	0.01	1	294	0	0
penconazole	whole	0.01	0.1	294	0	0
prochloraz	whole	0.01	not set	294	0	0
procymidone	whole	0.01	1	294	0	0
propiconazole	whole	0.01	not set	294	0	0
prothioconazole	whole	0.05	not set	294	0	0
pyraclostrobin	whole	0.01	1	294	0	0
pyrimethanil	whole	0.01	0.05	294	0	0
tebuconazole	whole	0.01	0.01	294	0	0
thiabendazole	whole	0.01	7	294	0	0
tolclofos methyl	whole	0.01	not set	294	0	0
triadimefon	whole	0.01	1	294	0	0
triadimenol	whole	0.01	not set	294	0	0
trifloxystrobin	whole	0.01	0.3	294	0	0
triticonazole	whole	0.01	not set	294	0	0
vinclozolin	whole	0.01	not set	294	0	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	0.1	294	0	0
2,4-D	whole	0.01	not set	294	0	0
atrazine	whole	0.01	not set	294	0	0
bromacil	whole	0.01	not set	294	0	0
bromoxynil	whole	0.01	not set	294	0	0
carfentrazone-ethyl	whole	0.01	0.05	294	0	0
chlorpropham	whole	0.05	not set	294	0	0
chlorsulfuron	whole	0.01	not set	294	0	0
chlorthal-dimethyl	whole	0.01	not set	294	0	0
clethodim	whole	0.01	not set	294	0	0
clodinafop-propargyl	whole	0.01	not set	294	0	0
clopyralid	whole	0.05	not set	294	0	0
cyanazine	whole	0.01	0.02	294	0	0
dicamba	whole	0.01	not set	294	0	0
dichlobenil	whole	0.01	0.1	294	0	0
dichlorprop-P	whole	0.01	not set	294	0	0
diflufenican	whole	0.01	not set	294	0	0
diuron	whole	0.01	0.5	294	0	0
ethofumesate	whole	0.01	not set	294	0	0
iodosulfuron-methyl	whole	0.01	not set	294	0	0
ioxynil	whole	0.01	not set	294	0	0
isoxaben	whole	0.01	0.01	294	0	0
linuron	whole	0.05	not set	294	0	0
MCPA	whole	0.01	not set	294	0	0
methabenthiazuron	whole	0.01	not set	294	0	0
metolachlor	whole	0.01	not set	294	0	0
metosulam	whole	0.01	not set	294	0	0
metribuzin	whole	0.01	not set	294	0	0
metsulfuron-methyl	whole	0.01	not set	294	0	0
napropamide	whole	0.01	not set	294	0	0
norflurazon	whole	0.01	0.2	294	0	0
oryzalin	whole	0.01	0.1	294	0	0
oxyfluorfen	whole	0.01	0.05	294	0	0
pendimethalin	whole	0.01	0.05	294	0	0
picloram	whole	0.01	not set	294	0	0
propachlor	whole	0.01	not set	294	0	0
quizalofop-ethyl	whole	0.01	not set	294	0	0
quizalofop-P-tefuryl	whole	0.01	not set	294	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
saflufenacil	whole	0.01	not set	7	0	0
sethoxydim	whole	0.01	not set	294	0	0
simazine	whole	0.01	0.1	294	0	0
tralkoxydim	whole	0.01	not set	294	0	0
triasulfuron	whole	0.01	not set	294	0	0
triclopyr	whole	0.01	not set	294	0	0
trifluralin	whole	0.01	0.05	294	0	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	294	0	0
acephate	whole	0.05	not set	294	0	0
acetamiprid	whole	0.01	not set	294	0	0
aldicarb	whole	0.01	not set	294	0	0
amitraz	whole	0.01	0.5	294	0	0
azamethiphos	whole	0.01	not set	294	0	0
azinphos-methyl	whole	0.01	1	294	0	0
bifenazate	whole	0.01	2	294	0	0
bifenthrin	whole	0.01	0.05	294	2	1
bioresmethrin	whole	0.01	not set	294	0	0
buprofezin	whole	0.01	not set	294	0	0
cadusafos	whole	0.01	not set	294	0	0
carbaryl	whole	0.01	0.2	294	0	0
carbofuran	whole	0.01	not set	294	0	0
chlorantraniliprole	whole	0.01	0.3	294	0	0
chlorfenapyr	whole	0.01	0.5	294	0	0
chlorfenvinphos	whole	0.01	not set	294	0	0
chlorpyrifos	whole	0.01	0.5	294	1	0
chlorpyrifos-methyl	whole	0.01	not set	294	0	0
clofentezine	whole	0.01	0.1	294	0	0
clothianidin	whole	0.01	2	294	0	0
cyfluthrin	whole	0.01	not set	294	0	0
cyhalothrin	whole	0.01	not set	294	0	0
cypermethrin	whole	0.01	1	294	0	0
deltamethrin	whole	0.01	not set	294	0	0
diazinon	whole	0.01	0.5	294	0	0
dichlorvos	whole	0.01	0.1	294	0	0
dicofol	whole	0.01	5	294	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diflubenzuron	whole	0.01	not set	294	0	0
dimethoate	whole	0.01	not set	294	0	1
disulfoton	whole	0.01	not set	294	0	0
emamectin	whole	0.01	not set	294	0	0
endosulfan	whole	0.01	not set	294	0	0
esfenvalerate	whole	0.01	not set	294	0	0
ethion	whole	0.01	1	294	0	0
ethoprophos	whole	0.005	not set	294	0	0
etoxazole	whole	0.01	0.2	294	0	0
fenamiphos	whole	0.01	not set	294	0	0
fenbutatin oxide	whole	0.01	3	294	0	0
fenitrothion	whole	0.01	1	294	0	0
fenoxycarb	whole	0.01	2	294	0	0
fenpyroximate	whole	0.01	0.3	294	0	0
fenthion	whole	0.01	0.25	294	0	0
fenvalerate	whole	0.01	not set	294	0	0
fipronil	whole	0.01	0.01	294	0	0
hexythiazox	whole	0.01	1	294	0	0
imidacloprid	whole	0.01	0.3	294	0	0
indoxacarb	whole	0.01	2	294	0	0
malathion (maldison)	whole	0.01	2	294	0	0
metaldehyde	whole	0.05	1	294	0	0
methacrifos	whole	0.01	not set	294	0	0
methamidophos	whole	0.01	not set	294	0	0
methidathion	whole	0.01	0.2	294	0	0
methiocarb	whole	0.01	0.1	294	0	0
methomyl	whole	0.01	1	294	0	0
methoprene	whole	0.01	not set	294	0	0
methoxychlor	whole	0.01	not set	294	0	0
methoxyfenozide	whole	0.01	0.5	294	0	0
mevinphos	whole	0.01	not set	294	0	0
monocrotophos	whole	0.01	not set	294	0	0
omethoate	whole	0.01	2	294	0	0
parathion	whole	0.01	not set	294	0	0
parathion-methyl	whole	0.01	not set	294	0	0
permethrin	whole	0.01	not set	294	0	0
phenothrin	whole	0.01	not set	294	0	0
phorate	whole	0.01	not set	294	0	0
phosmet	whole	0.01	1	294	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
piperonyl butoxide	whole	0.01	8	294	0	0
pirimicarb	whole	0.01	0.5	294	1	0
pirimiphos-methyl	whole	0.01	not set	294	0	0
profenofos	whole	0.01	not set	294	0	0
propargite	whole	0.01	3	294	1	1
prothiofos	whole	0.01	0.05	294	0	0
pymetrozine	whole	0.01	not set	294	0	0
pyrethrins	whole	0.05	1	294	0	0
pyridaben	whole	0.02	0.5	294	0	0
pyriproxyfen	whole	0.01	not set	294	0	0
spinetoram	whole	0.01	0.1	294	0	0
spinosad	whole	0.01	0.5	294	0	0
spirotetramat	whole	0.01	0.5	294	0	0
sulfoxaflor	whole	0.01	0.5	262	0	0
tau-fluvalinate	whole	0.01	0.1	294	0	0
tebufenozide	whole	0.01	1	294	0	0
tebufenpyrad	whole	0.01	1	294	0	0
terbufos	whole	0.01	not set	294	0	0
tetradifon	whole	0.01	5	294	0	0
thiacloprid	whole	0.01	1	294	0	0
thiamethoxam	whole	0.01	not set	294	0	0
thiodicarb	whole	0.01	not set	294	0	0
triazofos	whole	0.01	not set	294	0	0
trichlorfon	whole	0.01	0.1	294	0	0
triflumuron	whole	0.01	not set	294	0	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	0.05	294	0	0
chlordane	whole	0.01	0.02	294	0	0
DDT	whole	0.01	1	294	0	0
endrin	whole	0.01	not set	294	0	0
HCB (hexachlorobenzene)	whole	0.01	not set	294	0	0
HCH (or BHC)	whole	0.01	not set	294	0	0
heptachlor	whole	0.01	not set	294	0	0
lindane (gamma-HCH)	whole	0.01	2	294	0	0
mirex	whole	0.01	not set	294	0	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	10	294	3	0