Apple 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	0.05	208	0	0
chlordane	Whole	0.01	0.02	208	0	0
DDT	Whole	0.01	1	208	0	0
endosulfan	Whole	0.01	not set	208	-	-
endrin	Whole	0.01	not set	208	-	-
HCB	Whole	0.01	not set	208	-	-
HCH	Whole	0.01	not set	208	-	-
heptachlor	Whole	0.01	not set	208	-	-
lindane (gamma-HCH)	Whole	0.01	2	208	0	0
mirex	Whole	0.01	not set	208	-	-

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	208	-	-

azoxystrobin	Whole	0.01	not set	208	-	-
benalaxyl	Whole	0.01	not set	208	-	-
bitertanol	Whole	0.01	not set	208	-	-
boscalid	Whole	0.01	2	208	0	0
bupirimate	Whole	0.01	1	208	0	0
captafol	Whole	0.05	not set	208	-	-
captan	Whole	0.05	10	208	0	0
carbendazim	Whole	0.01	not set	208	-	-
chlorothalonil	Whole	0.01	not set	208	-	-
cyproconazole	Whole	0.01	not set	208	-	-
cyprodinil	Whole	0.01	0.05	208	0	0
difenoconazole	Whole	0.01	0.3	208	0	0
dimethomorph	Whole	0.01	not set	208	-	-
dithianon	Whole	0.01	2	208	0	0
dithiocarbamates	Whole	0.2	3	208	2	0
dodine	Whole	0.01	5	208	0	0
epoxiconazole	Whole	0.01	not set	208	-	-
etridiazole	Whole	0.01	not set	208	-	-
fenarimol	Whole	0.01	not set	208	-	-
fenbuconazole	Whole	0.01	not set	208	-	-
fenhexamid	Whole	0.01	not set	208	-	-
fluazinam	Whole	0.01	0.01	208	0	0
fludioxonil	Whole	0.01	5	208	0	0
fluopyram	Whole	0.01	1	208	0	0
fluquinconazole	Whole	0.01	0.3	208	0	0
flusilazole	Whole	0.01	0.2	208	0	0
flutriafol	Whole	0.01	0.5	208	0	0
hexaconazole	Whole	0.01	0.1	208	0	0
imazalil	Whole	0.01	5	208	0	0
iprodione	Whole	0.01	3	208	9	0
kresoxim-methyl	Whole	0.01	0.1	208	0	0
mandestrobin	Whole	0.01	not set	208	-	-
metalaxyl	Whole	0.01	0.2	208	0	0
metrafenone	Whole	0.01	not set	208	-	-
myclobutanil	Whole	0.01	0.5	208	0	0
oxadixyl	Whole	0.01	not set	208	-	-
paclobutrazol	Whole	0.01	1	208	0	0
penconazole	Whole	0.01	0.1	208	0	0
penthiopyrad	Whole	0.01	0.5	208	0	0

prochloraz	Whole	0.01	not set	208	-	-
procymidone	Whole	0.01	not set	208	-	-
propiconazole	Whole	0.01	not set	208	-	-
prothioconazole	Whole	0.01	not set	208	-	-
pyraclostrobin	Whole	0.01	1	208	0	0
pyrimethanil	Whole	0.01	15	208	0	0
tebuconazole	Whole	0.01	0.01	208	0	0
thiabendazole	Whole	0.01	10	208	0	0
tolclofos methyl	Whole	0.01	not set	208	-	-
triadimefon	Whole	0.01	not set	208	-	-
triadimenol	Whole	0.01	not set	208	-	-
trifloxystrobin	Whole	0.01	0.7	208	0	0
triforine	Whole	0.01	1	208	0	0
triticonazole	Whole	0.01	not set	208	-	-
vinclozolin	Whole	0.01	not set	208	-	-

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	0.1	208	0	0
2,4-D	Whole	0.01	0.05	208	0	0
atrazine	Whole	0.01	not set	208	-	-
bromacil	Whole	0.01	not set	208	-	-
bromoxynil	Whole	0.01	not set	208	-	-
carfentrazone-ethyl	Whole	0.01	0.05	208	0	0
chlorpropham	Whole	0.05	not set	208	-	-
chlorsulfuron	Whole	0.01	not set	208	-	-
chlorthal-dimethyl	Whole	0.01	not set	208	-	-
clethodim	Whole	0.01	not set	208	-	-
clodinafop-propargyl	Whole	0.01	not set	208	-	-
clopyralid	Whole	0.05	not set	208	-	-
cyanazine	Whole	0.01	0.02	208	0	0
dicamba	Whole	0.01	not set	208	-	-
dichlobenil	Whole	0.01	0.1	208	0	0
dichlorprop-P	Whole	0.01	not set	208	-	-
diflufenican	Whole	0.01	not set	208	-	-
diuron	Whole	0.01	not set	208	-	-
ethofumesate	Whole	0.01	not set	208	-	-

fenoxaprop-ethyl	Whole	0.01	not set	94	-	-
flumioxazin	Whole	0.02	0.02	208	0	0
iodosulfuron-methyl	Whole	0.01	not set	208	-	-
ioxynil	Whole	0.01	not set	208	-	-
isoxaben	Whole	0.01	0.01	208	0	0
linuron	Whole	0.01	not set	208	-	-
MCPA	Whole	0.01	not set	208	-	-
methabenzthiazuron	Whole	0.01	not set	208	-	-
metolachlor	Whole	0.01	not set	208	-	-
metosulam	Whole	0.01	not set	208	-	-
metribuzin	Whole	0.01	not set	208	-	-
metsulfuron-methyl	Whole	0.01	not set	208	-	-
napropamide	Whole	0.01	not set	208	-	-
norflurazon	Whole	0.01	0.2	208	0	0
oryzalin	Whole	0.01	0.1	208	0	0
oxyfluorfen	Whole	0.01	0.05	208	0	0
pendimethalin	Whole	0.01	0.05	208	0	0
picloram	Whole	0.01	not set	208	-	-
propachlor	Whole	0.01	not set	208	-	-
propyzamide	Whole	0.01	not set	208	-	-
quizalofop-ethyl	Whole	0.01	not set	208	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	208	-	-
saflufenacil	Whole	0.01	0.03	208	0	0
sethoxydim	Whole	0.01	not set	208	-	-
simazine	Whole	0.01	0.1	208	0	0
tralkoxydim	Whole	0.01	not set	208	-	-
triasulfuron	Whole	0.01	not set	208	-	-
triclopyr	Whole	0.01	not set	208	-	-
trifluralin	Whole	0.01	0.05	208	0	0

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	208	0	0
acephate	Whole	0.05	not set	208	-	-
acetamiprid	Whole	0.01	0.2	208	0	0
aldicarb	Whole	0.01	not set	208	-	-
amitraz	Whole	0.01	not set	208	-	-
azamethiphos	Whole	0.01	not set	208	-	-

azinphos-methyl	Whole	0.01	not set	208	-	-
bifenazate	Whole	0.01	2	208	0	0
bifenthrin	Whole	0.01	0.05	208	1	0
bioresmethrin	Whole	0.01	not set	208	-	-
buprofezin	Whole	0.01	0.1	208	0	0
cadusafos	Whole	0.005	not set	208	-	-
carbaryl	Whole	0.01	0.2	208	0	0
carbofuran	Whole	0.005	not set	208	-	-
chlorantraniliprole	Whole	0.01	0.3	208	0	0
chlorfenapyr	Whole	0.01	0.5	208	0	0
chlorfenvinphos	Whole	0.01	not set	208	-	-
chlorpyrifos	Whole	0.005	0.5	208	0	0
chlorpyrifos-methyl	Whole	0.005	not set	208	-	-
clofentezine	Whole	0.01	0.1	208	0	0
clothianidin	Whole	0.01	2	208	0	0
cyantraniliprole	Whole	0.01	0.05	208	0	0
cyfluthrin	Whole	0.01	not set	208	-	-
cyhalothrin	Whole	0.01	not set	208	-	-
cypermethrin	Whole	0.01	1	208	0	0
deltamethrin	Whole	0.01	not set	208	-	-
diazinon	Whole	0.01	0.5	208	0	0
dichlorvos	Whole	0.01	0.1	208	0	0
dicofol	Whole	0.01	5	208	0	0
diflubenzuron	Whole	0.01	not set	208	-	-
dimethoate	Whole	0.01	not set	208	-	-
disulfoton	Whole	0.01	not set	208	-	-
emamectin	Whole	0.005	not set	208	-	-
ethion	Whole	0.01	1	208	0	0
ethoprophos	Whole	0.005	not set	208	-	-
etoxazole	Whole	0.01	0.2	208	0	0
fenamiphos	Whole	0.01	not set	208	-	-
fenbutatin oxide	Whole	0.01	3	208	0	0
fenitrothion	Whole	0.01	1	208	0	0
fenoxycarb	Whole	0.01	2	208	0	0
fenpyroximate	Whole	0.01	0.3	208	0	0
fenthion	Whole	0.01	not set	208	-	-
fenvalerate	Whole	0.01	not set	208	-	-
fipronil	Whole	0.005	not set	208	-	-
flonicamid	Whole	0.01	0.7	208	0	0

hexythiazox	Whole	0.01	1	208	0	0
imidacloprid	Whole	0.01	0.3	208	0	0
indoxacarb	Whole	0.01	2	208	0	0
malathion	Whole	0.01	2	208	0	0
metaldehyde	Whole	0.05	1	208	0	0
methacrifos	Whole	0.01	not set	208	-	-
methamidophos	Whole	0.01	not set	208	-	-
methidathion	Whole	0.01	not set	208	-	-
methiocarb	Whole	0.01	0.1	208	0	0
methomyl	Whole	0.01	1	208	0	0
methoprene	Whole	0.01	not set	208	-	-
methoxychlor	Whole	0.01	not set	208	-	-
methoxyfenozide	Whole	0.01	0.5	208	0	0
mevinphos	Whole	0.01	not set	208	-	-
monocrotophos	Whole	0.01	not set	208	-	-
novaluron	Whole	0.01	0.3	208	0	0
omethoate	Whole	0.01	2	208	0	0
parathion	Whole	0.01	not set	208	-	-
parathion-methyl	Whole	0.01	not set	208	-	-
permethrin	Whole	0.01	not set	208	-	-
phenothrin	Whole	0.01	not set	208	-	-
phorate	Whole	0.01	not set	208	-	-
phosmet	Whole	0.01	not set	208	-	-
piperonyl butoxide	Whole	0.01	8	208	0	0
pirimicarb	Whole	0.01	0.5	208	1	0
pirimiphos-methyl	Whole	0.01	not set	208	-	-
profenofos	Whole	0.01	not set	208	-	-
propargite	Whole	0.01	3	208	0	0
prothiofos	Whole	0.01	not set	208	-	-
pymetrozine	Whole	0.01	not set	208	-	-
pyrethrins	Whole	0.05	1	208	0	0
pyridaben	Whole	0.02	0.5	208	0	0
pyriproxyfen	Whole	0.01	not set	208	-	-
spinetoram	Whole	0.01	0.1	208	0	0
spinosad	Whole	0.01	0.5	208	0	0
spirotetramat	Whole	0.01	0.5	208	0	0
sulfoxaflor	Whole	0.01	0.5	208	0	0
tau-fluvalinate	Whole	0.01	0.1	208	0	0
tebufenozide	Whole	0.01	1	208	0	0

tebufenpyrad	Whole	0.01	1	208	0	0
terbufos	Whole	0.005	not set	208	-	-
tetradifon	Whole	0.01	not set	208	-	-
thiacloprid	Whole	0.01	1	208	0	0
thiamethoxam	Whole	0.01	not set	208	-	-
thiodicarb	Whole	0.01	not set	208	-	-
triazofos	Whole	0.01	not set	208	-	-
trichlorfon	Whole	0.01	0.1	208	0	0
triflumuron	Whole	0.01	not set	208	-	-

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	129	0	0
cadmium	Whole	0.01	no limit	129	0	0
copper	Whole	0.05	no limit	129	0	0
lead	Whole	0.01	0.1	129	0	0
mercury (total)	Whole	0.01	no limit	129	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	10	208	0	0