



Pear residue testing annual datasets 2019–20

National Residue Survey, Department of Agriculture, Water and the Environment

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	75	–	0
azoxystrobin	whole	0.01	not set	75	–	0
benalaxyl	whole	0.01	not set	75	–	0
bitertanol	whole	0.01	not set	75	–	0
boscalid	whole	0.01	2	75	0	0
bupirimate	whole	0.01	not set	75	–	0
captafol	whole	0.05	not set	75	–	0
captan	whole	0.05	10	75	0	0
carbendazim	whole	0.01	not set	75	–	0
chlorothalonil	whole	0.01	not set	75	–	0
cyproconazole	whole	0.01	not set	75	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyprodinil	whole	0.01	0.05	75	0	0
difenoconazole	whole	0.01	0.3	75	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	75	–	0
dithianon	whole	0.01	2	75	0	0
dithiocarbamates	whole	0.2	3	75	1	0
dodine	whole	0.01	5	75	0	0
epoxiconazole	whole	0.01	not set	75	–	0
etridiazole	whole	0.01	not set	75	–	0
fenarimol	whole	0.01	not set	75	–	0
fenbuconazole	whole	0.01	not set	75	–	0
fenhexamid	whole	0.01	not set	75	–	0
fluazinam	whole	0.01	0.01	75	0	0
fludioxonil	whole	0.01	5	75	0	0
fluopyram	whole	0.01	1	75	0	0
fluquinconazole	whole	0.01	0.3	75	0	0
flusilazole	whole	0.01	0.2	75	0	0
flutriafol	whole	0.01	0.5	75	0	0
hexaconazole	whole	0.01	0.1	75	0	0
imazalil	whole	0.01	5	75	2	0
iprodione	whole	0.01	3	75	0	0
kresoxim-methyl	whole	0.01	0.1	75	0	0
mandestrobin	whole	0.01	not set	75	–	0
metalaxyl	whole	0.01	0.2	75	0	0
metrafenone	whole	0.01	not set	75	–	0
myclobutanil	whole	0.01	0.5	75	0	0
oxadixyl	whole	0.01	not set	75	–	0
paclobutrazol	whole	0.01	1	75	0	0
penconazole	whole	0.01	0.1	75	0	0
penthiopyrad	whole	0.01	0.5	75	0	0
prochloraz	whole	0.01	not set	75	–	0
procymidone	whole	0.01	1	75	0	0
propiconazole	whole	0.01	not set	75	–	0
prothioconazole	whole	0.05	not set	75	–	0
pyraclostrobin	whole	0.01	1	75	0	0
pyrimethanil	whole	0.01	15	75	0	0
tebuconazole	whole	0.01	0.01	75	0	0
thiabendazole	whole	0.01	10	75	0	0
tolclofos methyl	whole	0.01	not set	75	–	0
triadimefon	whole	0.01	not set	75	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triadimenol	whole	0.01	not set	75	–	0
trifloxystrobin	whole	0.01	0.7	75	0	0
triforine	whole	0.01	1	75	0	0
triticonazole	whole	0.01	not set	75	–	0
vinclozolin	whole	0.01	not set	75	–	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	75	0	0
2,4-D	whole	0.01	0.05	75	0	0
atrazine	whole	0.01	not set	75	–	0
bromacil	whole	0.01	not set	75	–	0
bromoxynil	whole	0.01	not set	75	–	0
carfentrazone-ethyl	whole	0.01	0.05	75	0	0
chlorpropham	whole	0.05	not set	75	–	0
chlorsulfuron	whole	0.01	not set	75	–	0
chlorthal-dimethyl	whole	0.01	not set	75	–	0
clethodim (parent only)	whole	0.01	not set	75	–	0
clodinafop-propargyl	whole	0.01	not set	75	–	0
clopyralid	whole	0.05	not set	75	–	0
cyanazine	whole	0.01	not set	75	–	0
dicamba	whole	0.01	not set	75	–	0
dichlobenil	whole	0.01	0.1	75	0	0
dichlorprop-P	whole	0.01	not set	75	–	0
diflufenican	whole	0.01	not set	75	–	0
diuron	whole	0.01	not set	75	–	0
ethofumesate	whole	0.01	not set	75	–	0
flumioxazin	whole	0.02	0.02	75	0	0
iodosulfuron-methyl	whole	0.01	not set	75	–	0
ioxynil	whole	0.01	not set	75	–	0
isoxaben	whole	0.01	0.01	75	0	0
linuron	whole	0.05	not set	75	–	0
MCPA	whole	0.01	not set	75	–	0
methabenzthiazuron	whole	0.01	not set	75	–	0
metolachlor	whole	0.01	not set	75	–	0
metosulam	whole	0.01	not set	75	–	0
metribuzin	whole	0.01	not set	75	–	0
metsulfuron-methyl	whole	0.01	not set	75	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
napropamide	whole	0.01	not set	75	–	0
norflurazon	whole	0.01	0.2	75	0	0
oryzalin	whole	0.01	0.1	75	0	0
oxyfluorfen	whole	0.01	0.05	75	0	0
pendimethalin	whole	0.01	0.05	75	0	0
picloram	whole	0.01	not set	75	–	0
propachlor	whole	0.01	not set	75	–	0
propyzamide	whole	0.01	not set	75	–	0
quizalofop-ethyl	whole	0.01	not set	75	–	0
quizalofop-P-tefuryl	whole	0.01	not set	75	–	0
saflufenacil	whole	0.01	0.03	75	0	0
sethoxydim	whole	0.01	not set	75	–	0
simazine	whole	0.01	0.1	75	0	0
tralkoxydim	whole	0.01	not set	75	–	0
triasulfuron	whole	0.01	not set	75	–	0
triclopyr	whole	0.01	not set	75	–	0
trifluralin	whole	0.01	0.05	75	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	0.01	75	0	0
acephate	whole	0.05	not set	75	0	0
acetamiprid	whole	0.01	0.3	75	0	0
aldicarb	whole	0.01	not set	75	–	0
amitraz	whole	0.01	not set	75	–	0
azamethiphos	whole	0.01	not set	75	–	0
azinphos-methyl	whole	0.01	1	75	0	0
bifenazate	whole	0.01	2	75	1	0
bifenthrin	whole	0.01	0.5	75	0	0
bioresmethrin	whole	0.01	not set	75	–	0
buprofezin	whole	0.01	0.2	75	0	0
cadusafos	whole	0.005	not set	75	–	0
carbaryl	whole	0.01	0.2	75	0	0
carbofuran	whole	0.005	not set	75	–	0
chlorantraniliprole	whole	0.01	0.3	75	0	0
chlorfenapyr	whole	0.01	0.5	75	0	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	75	–	0
chlorpyrifos	whole	0.01	0.5	75	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorpyrifos-methyl	whole	0.01	not set	75	–	0
clofentezine	whole	0.01	0.1	75	0	0
clothianidin	whole	0.01	2	75	0	0
cyantraniliprole	whole	0.01	0.05	75	0	0
cyfluthrin (sum of isomers)	whole	0.01	not set	75	–	0
cyhalothrin (sum of isomers)	whole	0.01	not set	75	–	0
cypermethrin (sum of isomers)	whole	0.01	1	75	0	0
deltamethrin	whole	0.01	not set	75	–	0
diazinon	whole	0.01	0.5	75	0	0
dichlorvos	whole	0.01	0.1	75	0	0
dicofol	whole	0.01	5	75	0	0
diflubenzuron	whole	0.01	not set	75	–	0
dimethoate	whole	0.01	not set	75	–	0
disulfoton	whole	0.01	not set	75	–	0
emamectin	whole	0.005	not set	75	–	0
esfenvalerate	whole	0.01	not set	75	–	0
ethion	whole	0.01	1	75	0	0
ethoprophos	whole	0.005	not set	75	–	0
etoxazole	whole	0.01	0.2	75	0	0
fenamiphos	whole	0.01	not set	75	–	0
fenbutatin oxide	whole	0.01	3	75	0	0
fenitrothion	whole	0.01	not set	75	–	0
fenoxycarb	whole	0.01	2	75	0	0
fenpyroximate	whole	0.01	0.3	75	0	0
fenthion	whole	0.01	not set	75	–	0
fenvalerate (sum of isomers)	whole	0.01	not set	75	–	0
fipronil	whole	0.01	not set	75	–	0
flonicamid	whole	0.01	0.7	75	0	0
hexythiazox	whole	0.01	1	75	0	0
imidacloprid	whole	0.01	not set	75	–	0
indoxacarb	whole	0.01	2	75	0	0
malathion (maldison)	whole	0.01	2	75	0	0
metaldehyde	whole	0.05	1	75	0	0
methacrifos	whole	0.01	not set	75	–	0
methamidophos	whole	0.01	not set	75	–	0
methidathion	whole	0.01	0.2	75	0	0
methiocarb	whole	0.01	0.1	75	0	0
methomyl	whole	0.01	3	75	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methoprene	whole	0.01	not set	75	–	0
methoxychlor	whole	0.01	not set	75	–	0
methoxyfenozide	whole	0.01	0.5	75	0	0
mevinphos	whole	0.01	not set	75	–	0
monocrotophos	whole	0.01	not set	75	–	0
novaluron	whole	0.01	0.3	75	0	0
omethoate	whole	0.01	2	75	0	0
parathion	whole	0.01	not set	75	–	0
parathion-methyl	whole	0.01	not set	75	–	0
permethrin (sum of isomers)	whole	0.01	not set	75	–	0
phenothrin (sum of isomers)	whole	0.01	not set	75	–	0
phorate	whole	0.01	not set	75	–	0
phosmet	whole	0.01	not set	75	–	0
piperonyl butoxide	whole	0.01	8	75	0	0
pirimicarb	whole	0.01	0.5	75	0	0
pirimiphos-methyl	whole	0.01	not set	75	–	0
profenofos	whole	0.01	not set	75	–	0
propargite	whole	0.01	3	75	0	0
prothiofos	whole	0.01	0.05	75	0	0
pymetrozine	whole	0.01	not set	75	–	0
pyrethrins	whole	0.05	1	75	0	0
pyridaben	whole	0.02	0.5	75	0	0
pyriproxyfen	whole	0.01	not set	75	–	0
spinetoram	whole	0.01	0.1	75	0	0
spinosad	whole	0.01	0.5	75	0	0
spirotetramat	whole	0.01	0.5	75	0	0
sulfoxaflor	whole	0.01	0.5	75	0	0
tau-fluvalinate	whole	0.01	not set	75	–	0
tebufenozide	whole	0.01	1	75	0	0
tebufenpyrad	whole	0.01	1	75	0	0
terbufos	whole	0.01	not set	75	–	0
tetradifon	whole	0.01	not set	75	–	0
thiacloprid	whole	0.01	1	75	0	0
thiamethoxam	whole	0.01	not set	75	–	0
thiodicarb	whole	0.01	not set	75	–	0
triazofos	whole	0.01	not set	75	–	0
trichlorfon	whole	0.01	0.1	75	0	0
triflumuron	whole	0.01	not set	75	–	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	75	0	0
chlordane	whole	0.01	0.02	75	0	0
DDT	whole	0.01	1	75	0	0
endosulfan	whole	0.01	not set	75	–	0
endrin	whole	0.01	not set	75	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	75	–	0
HCH (BHC)	whole	0.01	not set	75	–	0
heptachlor	whole	0.01	not set	75	–	0
lindane (gamma-HCH)	whole	0.01	0.5	75	0	0
mirex	whole	0.01	not set	75	–	0

Table 5 Physiological modifier

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diphenylamine	whole	0.01	7	75	1	0