



Pear residue testing annual datasets 2020–21

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	85	–	0
azoxystrobin	whole	0.01	not set	85	–	0
benalaxyl	whole	0.01	not set	85	–	0
bitertanol	whole	0.01	not set	85	–	0
boscalid	whole	0.01	2	85	0	0
bupirimate	whole	0.01	not set	85	–	0
captafol	whole	0.05	not set	85	–	0
captan	whole	0.05	10	85	0	0
carbendazim	whole	0.01	not set	85	–	0
chlorothalonil	whole	0.01	not set	85	–	0
cyproconazole	whole	0.01	not set	85	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyprodinil	whole	0.01	0.05	85	0	0
difenoconazole	whole	0.01	0.3	85	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	85	–	0
dithianon	whole	0.01	2	85	1	0
dithiocarbamates	whole	0.2	3	85	3	1
dodine	whole	0.01	5	85	0	0
epoxiconazole	whole	0.01	not set	85	–	0
etridiazole	whole	0.01	not set	85	–	0
fenarimol	whole	0.01	not set	85	–	0
fenbuconazole	whole	0.01	not set	85	–	0
fenhexamid	whole	0.01	not set	85	–	0
fluazinam	whole	0.01	0.01	85	0	0
fludioxonil	whole	0.01	5	85	0	0
fluopyram	whole	0.01	1	85	0	0
fluquinconazole	whole	0.01	0.3	85	0	0
flusilazole	whole	0.01	0.2	85	0	0
flutriafol	whole	0.01	0.5	85	0	0
hexaconazole	whole	0.01	0.1	85	0	0
imazalil	whole	0.01	5	85	1	2
iprodione	whole	0.01	3	85	1	2
kresoxim-methyl	whole	0.01	0.1	85	0	0
mandestrobin	whole	0.01	not set	85	–	0
metalaxyl	whole	0.01	0.2	85	0	0
metrafenone	whole	0.01	not set	85	–	0
myclobutanil	whole	0.01	0.5	85	0	0
oxadixyl	whole	0.01	not set	85	–	0
paclobutrazol	whole	0.01	1	85	0	0
penconazole	whole	0.01	0.1	85	0	0
penthioopyrad	whole	0.01	0.5	85	0	0
prochloraz	whole	0.01	not set	85	–	0
procymidone	whole	0.01	not set	85	–	0
propiconazole	whole	0.01	not set	85	–	0
prothioconazole	whole	0.05	not set	85	–	0
pyraclostrobin	whole	0.01	1	85	0	0
pyrimethanil	whole	0.01	15	85	0	0
tebuconazole	whole	0.01	0.01	85	0	0
thiabendazole	whole	0.01	10	85	0	0
tolclofos methyl	whole	0.01	not set	85	–	0
triadimefon	whole	0.01	not set	85	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triadimenol	whole	0.01	not set	85	–	0
trifloxystrobin	whole	0.01	0.7	85	0	0
triforine	whole	0.01	1	85	0	0
triticonazole	whole	0.01	not set	85	–	0
vinclozolin	whole	0.01	not set	85	–	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	85	0	0
2,4-D	whole	0.01	0.05	85	0	0
atrazine	whole	0.01	not set	85	–	0
bromacil	whole	0.01	not set	85	–	0
bromoxynil	whole	0.01	not set	85	–	0
carfentrazone-ethyl	whole	0.01	0.05	85	0	0
chlorpropham	whole	0.05	not set	85	–	0
chlorsulfuron	whole	0.01	not set	85	–	0
chlorthal-dimethyl	whole	0.01	not set	85	–	0
clethodim (parent only)	whole	0.01	not set	85	–	0
clodinafop-propargyl	whole	0.01	not set	85	–	0
clopyralid	whole	0.05	not set	85	–	0
cyanazine	whole	0.01	not set	85	–	0
dicamba	whole	0.01	not set	85	–	0
dichlobenil	whole	0.01	0.1	85	0	0
dichlorprop	whole	0.01	not set	85	–	0
diflufenican	whole	0.01	not set	85	–	0
diuron	whole	0.01	not set	85	–	0
ethofumesate	whole	0.01	not set	85	–	0
fenoxaprop-ethyl	whole	0.01	not set	37	–	0
flumioxazin	whole	0.02	0.02	85	0	0
iodosulfuron-methyl	whole	0.01	not set	85	–	0
ioxynil	whole	0.01	not set	85	–	0
isoxaben	whole	0.01	0.01	85	0	0
linuron	whole	0.05	not set	85	–	0
MCPA	whole	0.01	not set	85	–	0
methabenzthiazuron	whole	0.01	not set	85	–	0
metolachlor	whole	0.01	not set	85	–	0
metosulam	whole	0.01	not set	85	–	0
metribuzin	whole	0.01	not set	85	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
metsulfuron-methyl	whole	0.01	not set	85	–	0
napropamide	whole	0.01	not set	85	–	0
norflurazon	whole	0.01	0.2	85	0	0
oryzalin	whole	0.01	0.1	85	0	0
oxyfluorfen	whole	0.01	0.05	85	0	0
pendimethalin	whole	0.01	0.05	85	0	0
picloram	whole	0.01	not set	85	–	0
propachlor	whole	0.01	not set	85	–	0
propyzamide	whole	0.01	not set	85	–	0
quizalofop-ethyl	whole	0.01	not set	85	–	0
quizalofop-P-tefuryl	whole	0.01	not set	85	–	0
saflufenacil	whole	0.01	0.03	85	0	0
sethoxydim	whole	0.01	not set	85	–	0
simazine	whole	0.01	0.1	85	0	0
tralkoxydim	whole	0.01	not set	85	–	0
triasulfuron	whole	0.01	not set	85	–	0
triclopyr	whole	0.01	not set	85	–	0
trifluralin	whole	0.01	0.05	85	0	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
acephate	whole	0.05	not set	85	–	0
acetamiprid	whole	0.01	0.3	85	0	0
aldicarb	whole	0.01	not set	85	–	0
amitraz	whole	0.01	not set	85	–	0
azamethiphos	whole	0.01	not set	85	–	0
azinphos-methyl	whole	0.01	1	85	0	0
bifenazate	whole	0.01	2	85	0	0
bifenthrin	whole	0.01	0.5	85	0	0
bioresmethrin	whole	0.01	not set	85	–	0
buprofezin	whole	0.01	0.2	85	0	0
cadusafos	whole	0.005	not set	85	–	0
carbaryl	whole	0.01	0.2	85	0	0
carbofuran	whole	0.005	not set	85	–	0
chlorantraniliprole	whole	0.01	0.3	85	1	0
chlorfenapyr	whole	0.01	0.5	85	0	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	85	–	0
chlorpyrifos	whole	0.005	0.5	85	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorpyrifos-methyl	whole	0.005	not set	85	–	0
clofentezine	whole	0.01	0.1	85	0	0
clothianidin	whole	0.01	2	85	0	0
cyantraniliprole	whole	0.01	0.05	85	0	0
cyfluthrin (sum of isomers)	whole	0.01	not set	85	–	0
cyhalothrin (sum of isomers)	whole	0.01	not set	85	–	0
cypermethrin (sum of isomers)	whole	0.01	1	85	0	0
deltamethrin	whole	0.01	not set	85	–	0
diazinon	whole	0.01	0.5	85	0	0
dichlorvos	whole	0.01	0.1	85	0	0
dicofol	whole	0.01	5	85	0	0
diflubenzuron	whole	0.01	not set	85	–	0
dimethoate	whole	0.01	not set	85	–	0
disulfoton	whole	0.01	not set	85	–	0
esfenvalerate	whole	0.01	not set	37	–	0
ethion	whole	0.01	1	85	0	0
ethoprophos	whole	0.005	not set	85	–	0
etoxazole	whole	0.01	0.2	85	0	0
fenamiphos	whole	0.01	not set	85	–	0
fenbutatin oxide	whole	0.01	3	85	0	0
fenitrothion	whole	0.01	not set	85	–	0
fenoxycarb	whole	0.01	2	85	0	0
fenpyroximate	whole	0.01	0.3	85	0	0
fenthion	whole	0.01	not set	85	–	0
fenvalerate (sum of isomers)	whole	0.01	not set	85	–	0
fipronil	whole	0.01	not set	85	–	0
flonicamid	whole	0.01	0.7	85	0	0
hexythiazox	whole	0.01	1	85	0	0
imidacloprid	whole	0.01	not set	85	–	0
indoxacarb	whole	0.01	2	85	0	0
malathion (maldison)	whole	0.01	2	85	0	0
metaldehyde	whole	0.05	1	85	0	0
methacrifos	whole	0.01	not set	85	–	0
methamidophos	whole	0.01	not set	85	–	0
methidathion	whole	0.01	not set	85	–	0
methiocarb	whole	0.01	0.1	85	0	0
methomyl	whole	0.01	3	85	0	0
methoprene	whole	0.01	not set	85	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methoxychlor	whole	0.01	not set	85	–	0
methoxyfenozide	whole	0.01	0.5	85	0	0
mevinphos	whole	0.01	not set	85	–	0
monocrotophos	whole	0.01	not set	85	–	0
novaluron	whole	0.01	0.3	85	0	0
omethoate	whole	0.01	2	85	0	0
parathion	whole	0.01	not set	85	–	0
parathion-methyl	whole	0.01	not set	85	–	0
permethrin (sum of isomers)	whole	0.01	not set	85	–	0
phenothrin (sum of isomers)	whole	0.01	not set	85	–	0
phorate	whole	0.01	not set	85	–	0
phosmet	whole	0.01	not set	85	–	0
piperonyl butoxide	whole	0.01	8	85	0	0
pirimicarb	whole	0.01	0.5	85	0	0
pirimiphos-methyl	whole	0.01	not set	85	–	0
profenofos	whole	0.01	not set	85	–	0
propargite	whole	0.01	3	85	0	0
prothiofos	whole	0.01	0.05	85	0	1
pymetrozine	whole	0.01	not set	85	–	0
pyrethrins	whole	0.05	1	85	0	0
pyridaben	whole	0.02	0.5	85	0	0
pyriproxyfen	whole	0.01	not set	85	–	0
spinetoram	whole	0.01	0.1	85	0	0
spinosad	whole	0.01	0.5	85	0	0
spirotetramat	whole	0.01	0.5	85	0	0
sulfoxaflor	whole	0.01	0.5	85	0	0
tau-fluvalinate	whole	0.01	not set	85	–	0
tebufenozide	whole	0.01	1	85	0	0
tebufenpyrad	whole	0.01	1	85	0	0
terbufos	whole	0.01	not set	85	–	0
tetradifon	whole	0.01	not set	85	–	0
thiacloprid	whole	0.01	1	85	0	0
thiamethoxam	whole	0.01	not set	85	–	0
thiodicarb	whole	0.01	not set	85	–	0
triazofos	whole	0.01	not set	85	–	0
trichlorfon	whole	0.01	0.1	85	0	1
triflumuron	whole	0.01	not set	85	–	0
acephate	whole	0.05	not set	85	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
acetamiprid	whole	0.01	0.3	85	0	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	85	0	0
chlordane	whole	0.01	0.02	85	0	0
DDT	whole	0.01	1	85	0	0
endosulfan	whole	0.01	not set	85	–	0
endrin	whole	0.01	not set	85	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	85	–	0
HCH (BHC)	whole	0.01	not set	85	–	0
heptachlor	whole	0.01	not set	85	–	0
lindane (gamma-HCH)	whole	0.01	0.5	85	0	0
mirex	whole	0.01	not set	85	–	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	85	0	0