



Australian Government

Department of Agriculture, Fisheries and Forestry

Pear residue testing annual datasets 2023-24

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.

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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	47	0	0
chlordane	Whole	0.01	0.02	47	0	0
DDT	Whole	0.01	1	47	0	0
endosulfan	Whole	0.01	not set	47	-	-
endrin	Whole	0.01	not set	47	-	-
HCB (hexachlorobenzene)	Whole	0.01	not set	47	-	-
HCH (BHC)	Whole	0.01	not set	47	-	-
heptachlor	Whole	0.01	not set	47	-	-
lindane (gamma-HCH)	Whole	0.01	0.5	47	0	0
mirex	Whole	0.01	not set	47	-	-

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	47	-	-
azoxystrobin	Whole	0.01	not set	47	-	-
benalaxyl	Whole	0.01	not set	47	-	-
bitertanol	Whole	0.01	not set	47	-	-
boscalid	Whole	0.01	2	47	0	0
bupirimate	Whole	0.01	not set	47	-	-
captafol	Whole	0.05	not set	47	-	-
captan	Whole	0.05	10	47	0	0
carbendazim	Whole	0.01	not set	47	-	-
chlorothalonil	Whole	0.01	not set	47	-	-
cyproconazole	Whole	0.01	not set	47	-	-
cyprodinil	Whole	0.01	0.05	47	0	0
difenoconazole	Whole	0.01	0.3	47	0	0
dimethomorph	Whole	0.01	not set	47	-	-
dithianon	Whole	0.01	2	47	0	0
dithiocarbamates	Whole	0.2	3	47	5	0
dodine	Whole	0.01	5	47	0	0
epoxiconazole	Whole	0.01	not set	47	-	-
etridiazole	Whole	0.01	not set	47	-	-
fenarimol	Whole	0.01	not set	47	-	-
fenbuconazole	Whole	0.01	not set	47	-	-
fenhexamid	Whole	0.01	not set	47	-	-
fluazinam	Whole	0.01	0.01	47	0	0
fludioxonil	Whole	0.01	5	47	0	0
fluopyram	Whole	0.01	1	47	0	0
fluquinconazole	Whole	0.01	0.3	47	0	0
flusilazole	Whole	0.01	0.2	47	0	0
flutriafol	Whole	0.01	0.5	47	0	0
fluxapyroxad	Whole	0.01	0.7	22	0	0
hexaconazole	Whole	0.01	0.1	47	0	0
imazalil	Whole	0.01	5	47	0	0
iprodione	Whole	0.01	3	47	0	0
isopyrazam	Whole	0.01	0.7	47	0	0
kresoxim-methyl	Whole	0.01	0.1	47	0	0
mandestrobin	Whole	0.01	not set	47	-	-
mefentrifluconazole	Whole	0.01	not set	47	-	-
metalaxyl	Whole	0.01	0.2	47	0	0
metrafenone	Whole	0.01	not set	47	-	-
myclobutanil	Whole	0.01	0.5	47	0	0

oxadixyl	Whole	0.01	not set	47	-	-
paclobutrazol	Whole	0.01	1	47	0	0
penconazole	Whole	0.01	0.1	47	0	0
penthiopyrad	Whole	0.01	0.5	47	0	0
prochloraz	Whole	0.01	not set	47	-	-
procymidone	Whole	0.01	not set	47	-	-
propiconazole	Whole	0.01	not set	47	-	-
prothioconazole	Whole	0.01	not set	47	-	-
pyraclostrobin	Whole	0.01	1	47	0	0
pyrimethanil	Whole	0.01	15	47	0	0
tebuconazole	Whole	0.01	0.01	47	0	0
thiabendazole	Whole	0.01	10	47	0	0
tolclofos methyl	Whole	0.01	not set	47	-	-
triadimefon	Whole	0.01	not set	47	-	-
triadimenol	Whole	0.01	not set	47	-	-
trifloxystrobin	Whole	0.01	0.7	47	0	0
triforine	Whole	0.01	1	47	0	0
triticonazole	Whole	0.01	not set	47	-	-
uniconazole-P	Whole	0.01	not set	47	-	-
vinclozolin	Whole	0.01	not set	47	-	-

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	47	0	0
2,4-D	Whole	0.01	0.05	47	0	0
atrazine	Whole	0.01	not set	47	-	-
bromacil	Whole	0.01	not set	47	-	-
bromoxynil	Whole	0.01	not set	47	-	-
carfentrazone-ethyl	Whole	0.01	0.05	47	0	0
chlorpropham	Whole	0.05	not set	47	-	-
chlorsulfuron	Whole	0.01	not set	47	-	-
chlorthal-dimethyl	Whole	0.01	not set	47	-	-
clethodim	Whole	0.01	not set	47	-	-
clodinafop-propargyl	Whole	0.01	not set	47	-	-
clopyralid	Whole	0.05	not set	47	-	-
cyanazine	Whole	0.01	not set	47	-	-
dicamba	Whole	0.01	not set	47	-	-
dichlobenil	Whole	0.01	0.1	47	0	0
dichlorprop-P	Whole	0.01	not set	47	-	-

diflufenican	Whole	0.01	not set	47	-	-
diuron	Whole	0.01	not set	47	-	-
ethofumesate	Whole	0.01	not set	47	-	-
fenoxaprop-ethyl	Whole	0.01	not set	22	-	-
flumioxazin	Whole	0.02	0.02	47	0	0
iodosulfuron-methyl	Whole	0.01	not set	47	-	-
ioxynil	Whole	0.01	not set	47	-	-
isoxaben	Whole	0.01	0.01	47	0	0
linuron	Whole	0.01	not set	47	-	-
MCPA	Whole	0.01	not set	47	-	-
metamitron	Whole	0.01	0.01	47	0	0
methabenzthiazuron	Whole	0.01	not set	47	-	-
metolachlor	Whole	0.01	not set	47	-	-
metosulam	Whole	0.01	not set	47	-	-
metribuzin	Whole	0.01	not set	47	-	-
metsulfuron-methyl	Whole	0.01	not set	47	-	-
napropamide	Whole	0.01	not set	47	-	-
norflurazon	Whole	0.01	0.2	47	0	0
oryzalin	Whole	0.01	0.1	47	0	0
oxyfluorfen	Whole	0.01	0.05	47	0	0
pendimethalin	Whole	0.01	0.05	47	0	0
picloram	Whole	0.01	not set	47	-	-
propachlor	Whole	0.01	not set	47	-	-
propyzamide	Whole	0.01	not set	47	-	-
quizalofop-ethyl	Whole	0.01	not set	47	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	47	-	-
saflufenacil	Whole	0.01	0.03	47	0	0
sethoxydim	Whole	0.01	not set	47	-	-
simazine	Whole	0.01	0.1	47	0	0
tralkoxydim	Whole	0.01	not set	47	-	-
triasulfuron	Whole	0.01	not set	47	-	-
triclopyr	Whole	0.01	not set	47	-	-
trifluralin	Whole	0.01	0.05	47	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	47	0	0
acephate	Whole	0.05	not set	47	-	-
acetamiprid	Whole	0.01	0.3	47	0	0
aldicarb	Whole	0.01	not set	47	-	-

amitraz	Whole	0.01	not set	47	-	-
azamethiphos	Whole	0.01	not set	47	-	-
azinphos-methyl	Whole	0.01	not set	47	-	-
bifenazate	Whole	0.01	2	47	0	0
bifenthrin	Whole	0.01	0.5	47	0	0
bioresmethrin	Whole	0.01	not set	47	-	-
buprofezin	Whole	0.01	0.2	47	0	0
cadusafos	Whole	0.005	not set	47	-	-
carbaryl	Whole	0.01	0.2	47	0	0
carbofuran	Whole	0.005	not set	47	-	-
chlorantraniliprole	Whole	0.01	0.3	47	1	0
chlorfenapyr	Whole	0.01	0.5	47	0	0
chlorfenvinphos	Whole	0.01	not set	47	-	-
chlorpyrifos	Whole	0.005	0.5	47	0	0
chlorpyrifos-methyl	Whole	0.005	not set	47	-	-
clofentezine	Whole	0.01	0.1	47	0	0
clothianidin	Whole	0.01	2	47	0	0
cyantraniliprole	Whole	0.01	0.05	47	0	0
cyflumetofen	Whole	0.01	0.5	22	0	0
cyfluthrin	Whole	0.01	not set	47	-	-
cyhalothrin	Whole	0.01	not set	47	-	-
cypermethrin	Whole	0.01	1	47	0	0
deltamethrin	Whole	0.01	not set	47	-	-
diazinon	Whole	0.01	0.5	47	0	0
dichlorvos	Whole	0.01	0.1	47	0	0
dicofol	Whole	0.01	5	47	0	0
diflubenzuron	Whole	0.01	not set	47	-	-
dimethoate	Whole	0.01	not set	47	-	-
disulfoton	Whole	0.01	not set	47	-	-
emamectin	Whole	0.005	not set	47	-	-
ethion	Whole	0.01	1	47	0	0
ethoprophos	Whole	0.005	not set	47	-	-
etoxazole	Whole	0.01	0.2	47	0	0
fenamiphos	Whole	0.01	not set	47	-	-
fenbutatin oxide	Whole	0.01	3	47	0	0
fenitrothion	Whole	0.01	not set	47	-	-
fenoxycarb	Whole	0.01	2	47	0	0
fenpyroximate	Whole	0.01	0.3	47	0	0
fenthion	Whole	0.01	not set	47	-	-
fenvalerate	Whole	0.01	not set	47	-	-
fipronil	Whole	0.005	not set	47	-	-
flonicamid	Whole	0.01	0.7	47	0	0

flupyradifurone	Whole	0.01	0.2	47	0	0
hexythiazox	Whole	0.01	1	47	0	0
imidacloprid	Whole	0.01	not set	47	-	-
indoxacarb	Whole	0.01	2	47	0	0
malathion	Whole	0.01	2	47	0	0
metaldehyde	Whole	0.05	1	47	0	0
methacrifos	Whole	0.01	not set	47	-	-
methamidophos	Whole	0.01	not set	47	-	-
methidathion	Whole	0.01	not set	47	-	-
methiocarb	Whole	0.01	0.1	47	0	0
methomyl	Whole	0.01	3	47	0	0
methoprene	Whole	0.01	not set	47	-	-
methoxychlor	Whole	0.01	not set	47	-	-
methoxyfenozide	Whole	0.01	0.5	47	0	0
mevinphos	Whole	0.01	not set	47	-	-
monocrotophos	Whole	0.01	not set	47	-	-
novaluron	Whole	0.01	0.3	47	0	0
omethoate	Whole	0.01	2	47	0	0
parathion	Whole	0.01	not set	47	-	-
parathion-methyl	Whole	0.01	not set	47	-	-
permethrin	Whole	0.01	not set	47	-	-
phenothrin	Whole	0.01	not set	47	-	-
phorate	Whole	0.01	not set	47	-	-
phosmet	Whole	0.01	not set	47	-	-
piperonyl butoxide	Whole	0.01	8	47	0	0
pirimicarb	Whole	0.01	0.5	47	0	0
pirimiphos-methyl	Whole	0.01	not set	47	-	-
profenofos	Whole	0.01	not set	47	-	-
propargite	Whole	0.01	3	47	0	0
prothiofos	Whole	0.01	0.05	47	0	0
pymetrozine	Whole	0.01	not set	47	-	-
pyrethrins	Whole	0.05	1	47	0	0
pyridaben	Whole	0.02	0.5	47	0	0
pyriproxyfen	Whole	0.01	not set	47	-	-
spinetoram	Whole	0.01	0.1	47	0	0
spinosad	Whole	0.01	0.5	47	0	0
spirotetramat	Whole	0.01	0.5	47	0	0
sulfoxaflor	Whole	0.01	0.5	47	0	0
tau-fluvalinate	Whole	0.01	not set	47	-	-
tebufenozide	Whole	0.01	1	47	0	0
tebufenpyrad	Whole	0.01	1	47	0	0
terbufos	Whole	0.005	not set	47	-	-

tetradifon	Whole	0.01	not set	47	-	-
tetraniliprole	Whole	0.01	0.5	22	0	0
thiacloprid	Whole	0.01	1	47	0	0
thiamethoxam	Whole	0.01	not set	47	-	-
thiodicarb	Whole	0.01	not set	47	-	-
triazofos	Whole	0.01	not set	47	-	-
trichlorfon	Whole	0.01	0.1	47	0	0
triflumuron	Whole	0.01	not set	47	-	-

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	33	0	0
cadmium	Whole	0.01	no limit	33	0	0
copper	Whole	0.05	no limit	33	0	0
lead	Whole	0.01	0.1	33	0	0
mercury (total)	Whole	0.01	no limit	33	0	0

Table 6: MYCOTOXINS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
patulin	Paste	0.01	not set	2	-	-

Table 7: PHYSIOLOGICAL MODIFIER

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
diphenylamine	Whole	0.01	7	47	0	0
forchlorfenuron	Whole	0.01	not set	47	-	-
prohexadione-calcium	Whole	0.01	not set	47	-	-