Australian Government

Department of Agriculture, Fisheries and Forestry

Almond residue testing annual datasets 2022-23

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	not set	136	-	-
chlordane	Whole	0.01	not set	136	-	-
DDT	Whole	0.01	not set	136	-	-
endosulfan	Whole	0.01	not set	136	-	-
endrin	Whole	0.01	not set	136	-	-
HCB (hexachlorobenzene)	Whole	0.01	not set	136	-	-
HCH (BHC)	Whole	0.01	not set	136	-	-
heptachlor	Whole	0.01	not set	136	-	-
lindane (gamma-HCH)	Whole	0.01	not set	136	-	-
mirex	Whole	0.01	not set	136	-	-

Table 2: FUMIGANTS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
phosphine total	Whole	0.005	0.01	39	0	0

Table 3: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
2-phenylphenol	Whole	0.05	not set	136	-	-
azoxystrobin	Whole	0.01	0.01	136	0	7
benalaxyl	Whole	0.01	not set	136	-	-
bitertanol	Whole	0.01	not set	136	-	-
boscalid	Whole	0.01	0.5	136	0	0
bupirimate	Whole	0.01	not set	136	-	-
captafol	Whole	0.05	not set	136	-	-
captan	Whole	0.05	0.3	136	0	0
carbendazim	Whole	0.01	not set	136	-	-
chlorothalonil	Whole	0.01	0.1	136	0	0
cyproconazole	Whole	0.01	not set	136	-	-
cyprodinil	Whole	0.01	0.01	136	0	0
difenoconazole	Whole	0.01	not set	136	-	-
dimethomorph	Whole	0.01	not set	136	-	-
dithianon	Whole	0.01	not set	136	-	-
dithiocarbamates	Whole	0.2	3	136	0	0
dodine	Whole	0.01	not set	136	-	-
epoxiconazole	Whole	0.01	not set	136	-	-
etridiazole	Whole	0.01	not set	136	-	-
fenarimol	Whole	0.01	not set	136	-	-
fenbuconazole	Whole	0.01	not set	136	-	-
fenhexamid	Whole	0.01	not set	136	-	-
fluazinam	Whole	0.01	not set	136	-	-
fludioxonil	Whole	0.01	not set	136	-	-
fluopyram	Whole	0.01	0.05	136	0	0
fluquinconazole	Whole	0.01	not set	136	-	-
flusilazole	Whole	0.01	not set	136	-	-
flutriafol	Whole	0.01	0.5	136	0	0
hexaconazole	Whole	0.01	not set	136	-	-
imazalil	Whole	0.01	not set	136	-	-
iprodione	Whole	0.01	0.02	136	0	0
isopyrazam	Whole	0.01	0.01	136	0	0
kresoxim-methyl	Whole	0.01	not set	136	-	-
mandestrobin	Whole	0.01	not set	136	-	-

mefentrifluconazole	Whole	0.01	0.2	136	0	0
metalaxyl	Whole	0.01	not set	136	-	-
metrafenone	Whole	0.01	not set	136	-	-
myclobutanil	Whole	0.01	not set	136	-	-
oxadixyl	Whole	0.01	not set	136	-	-
paclobutrazol	Whole	0.01	not set	136	-	-
penconazole	Whole	0.01	not set	136	-	-
penthiopyrad	Whole	0.01	0.1	136	0	0
prochloraz	Whole	0.01	not set	136	-	-
procymidone	Whole	0.01	not set	136	-	-
propiconazole	Whole	0.01	0.2	136	0	0
prothioconazole	Whole	0.01	not set	136	-	-
pyraclostrobin	Whole	0.01	0.07	136	0	0
pyrimethanil	Whole	0.01	not set	136	-	-
tebuconazole	Whole	0.01	0.05	136	0	0
thiabendazole	Whole	0.01	not set	136	-	-
tolclofos methyl	Whole	0.01	not set	136	-	-
triadimefon	Whole	0.01	not set	136	-	-
triadimenol	Whole	0.01	not set	136	-	-
trifloxystrobin	Whole	0.01	0.05	136	0	0
triforine	Whole	0.01	not set	136	-	-
triticonazole	Whole	0.01	not set	136	-	-
uniconazole-P	Whole	0.01	not set	136	-	-
vinclozolin	Whole	0.01	not set	136	-	-

Table 4: 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	not set	136	-	-
2,4-D	Whole	0.01	0.05	136	0	0
amitrole	Whole	0.01	not set	136	-	-
atrazine	Whole	0.01	not set	136	-	-
bromacil	Whole	0.01	not set	136	-	-
bromoxynil	Whole	0.01	not set	136	-	-
carfentrazone-ethyl	Whole	0.01	0.05	136	0	0
chlormequat	Whole	0.01	not set	136	-	-
chlorpropham	Whole	0.05	not set	136	-	-
chlorsulfuron	Whole	0.01	not set	136	-	-
chlorthal-dimethyl	Whole	0.01	not set	136	-	-
clethodim	Whole	0.01	not set	136	-	-
clodinafop-propargyl	Whole	0.01	not set	136	-	-

clopyralid	Whole	0.05	not set	136	-	-
cyanazine	Whole	0.01	not set	136	-	-
dicamba	Whole	0.01	not set	136	-	-
dichlobenil	Whole	0.01	not set	136	-	-
dichlorprop-P	Whole	0.01	not set	136	-	-
diclofop-methyl	Whole	0.01	not set	136	-	-
diflufenican	Whole	0.01	not set	136	-	-
diquat	Whole	0.01	0.05	136	0	0
diuron	Whole	0.01	not set	136	-	-
ethofumesate	Whole	0.01	not set	136	-	-
fenoxaprop-ethyl	Whole	0.01	not set	136	-	-
flamprop-M-methyl	Whole	0.01	not set	136	-	-
fluazifop-p-butyl	Whole	0.01	not set	136	-	-
flumioxazin	Whole	0.02	0.02	136	0	0
glufosinate	Whole	0.01	0.1	136	0	0
glyphosate	Whole	0.01	0.2	136	0	1
haloxyfop	Whole	0.005	0.05	136	0	0
iodosulfuron-methyl	Whole	0.01	not set	136	-	-
ioxynil	Whole	0.01	not set	136	-	-
isoxaben	Whole	0.01	0.01	136	0	0
linuron	Whole	0.01	not set	136	-	-
MCPA	Whole	0.01	not set	136	-	-
metamitron	Whole	0.01	not set	136	-	-
methabenzthiazuron	Whole	0.01	not set	136	-	-
metolachlor	Whole	0.01	not set	136	-	-
metosulam	Whole	0.01	not set	136	-	-
metribuzin	Whole	0.01	not set	136	-	-
metsulfuron-methyl	Whole	0.01	not set	136	-	-
napropamide	Whole	0.01	0.1	136	0	0
norflurazon	Whole	0.01	0.2	136	0	0
oryzalin	Whole	0.01	0.1	136	0	0
oxyfluorfen	Whole	0.01	0.05	136	0	0
paraquat	Whole	0.01	0.05	136	0	0
pendimethalin	Whole	0.01	0.05	136	0	0
picloram	Whole	0.01	not set	136	-	-
propachlor	Whole	0.01	not set	136	-	-
propaquizafop	Whole	0.01	not set	136	-	-
propyzamide	Whole	0.01	not set	136	-	-
quizalofop-ethyl	Whole	0.01	not set	136	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	136	-	-
saflufenacil	Whole	0.01	0.03	136	0	0
sethoxydim	Whole	0.01	not set	136	-	-

simazine	Whole	0.01	0.1	136	0	0
tralkoxydim	Whole	0.01	not set	136	-	-
triasulfuron	Whole	0.01	not set	136	-	-
triclopyr	Whole	0.01	not set	136	-	-
trifluralin	Whole	0.01	not set	136	-	-

Table 5: INSECTICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
abamectin	Whole	0.01	0.01	136	0	0
acephate	Whole	0.05	not set	136	-	-
acetamiprid	Whole	0.01	not set	136	-	-
aldicarb	Whole	0.01	not set	136	-	-
amitraz	Whole	0.01	not set	136	-	-
azamethiphos	Whole	0.01	not set	136	-	-
azinphos-methyl	Whole	0.01	not set	136	-	-
bifenazate	Whole	0.01	0.1	136	0	0
bifenthrin	Whole	0.01	0.1	136	0	0
bioresmethrin	Whole	0.01	not set	136	-	-
buprofezin	Whole	0.01	0.1	136	0	0
cadusafos	Whole	0.005	not set	136	-	-
carbaryl	Whole	0.01	not set	136	-	-
carbofuran	Whole	0.005	not set	136	-	-
chlorantraniliprole	Whole	0.01	0.1	136	0	0
chlorfenapyr	Whole	0.01	not set	136	-	-
chlorfenvinphos	Whole	0.01	not set	136	-	-
chlorpyrifos	Whole	0.005	0.05	136	0	0
chlorpyrifos-methyl	Whole	0.005	not set	136	-	-
clofentezine	Whole	0.01	0.5	136	0	0
clothianidin	Whole	0.01	0.05	136	0	0
cyantraniliprole	Whole	0.01	0.05	136	0	0
cyfluthrin	Whole	0.01	not set	136	-	-
cyhalothrin	Whole	0.01	not set	136	-	-
cypermethrin	Whole	0.01	0.01	136	0	0
deltamethrin	Whole	0.01	not set	136	-	-
diazinon	Whole	0.01	0.1	136	0	0
dichlorvos	Whole	0.01	2	136	0	0
dicofol	Whole	0.01	5	136	0	0
diflubenzuron	Whole	0.01	not set	136	-	-
dimethoate	Whole	0.01	not set	136	-	-
disulfoton	Whole	0.01	not set	136	-	-

emamectin	Whole	0.005	not set	136	-	-
ethion	Whole	0.01	not set	136	-	-
ethoprophos	Whole	0.005	not set	136	-	-
etoxazole	Whole	0.01	0.01	136	0	0
fenamiphos	Whole	0.01	not set	136	-	-
fenbutatin oxide	Whole	0.01	not set	136	-	-
fenitrothion	Whole	0.01	not set	136	-	-
fenoxycarb	Whole	0.01	not set	136	-	-
fenpyroximate	Whole	0.01	not set	136	-	-
fenthion	Whole	0.01	not set	136	-	-
fenvalerate	Whole	0.01	not set	136	-	-
fipronil	Whole	0.005	not set	136	-	-
flonicamid	Whole	0.01	not set	136	-	-
flupyradifurone	Whole	0.01	0.2	136	0	0
hexythiazox	Whole	0.01	not set	136	-	-
imidacloprid	Whole	0.01	not set	136	-	-
indoxacarb	Whole	0.01	not set	136	-	-
malathion	Whole	0.01	8	136	0	0
metaldehyde	Whole	0.05	not set	136	-	-
methacrifos	Whole	0.01	not set	136	-	-
methamidophos	Whole	0.01	not set	136	-	-
methidathion	Whole	0.01	not set	136	-	-
methiocarb	Whole	0.01	not set	136	-	-
methomyl	Whole	0.01	not set	136	-	-
methoprene	Whole	0.01	not set	136	-	-
methoxychlor	Whole	0.01	not set	136	-	-
methoxyfenozide	Whole	0.01	0.2	136	0	0
mevinphos	Whole	0.01	not set	136	-	-
monocrotophos	Whole	0.01	not set	136	-	-
novaluron	Whole	0.01	not set	136	-	-
omethoate	Whole	0.01	not set	136	-	-
parathion	Whole	0.01	not set	136	-	-
parathion-methyl	Whole	0.01	not set	136	-	-
permethrin	Whole	0.01	not set	136	-	-
phenothrin	Whole	0.01	not set	136	-	-
phorate	Whole	0.01	not set	136	-	-
phosmet	Whole	0.01	not set	136	-	-
piperonyl butoxide	Whole	0.01	8	136	0	0
pirimicarb	Whole	0.01	0.05	136	0	0
pirimiphos-methyl	Whole	0.01	not set	136	-	-
profenofos	Whole	0.01	not set	136	-	-
propargite	Whole	0.01	not set	136	-	-

prothiofos	Whole	0.01	not set	136	-	-
pymetrozine	Whole	0.01	0.01	136	0	0
pyrethrins	Whole	0.05	1	136	0	0
pyridaben	Whole	0.02	not set	136	-	-
pyriproxyfen	Whole	0.01	not set	136	-	-
spinetoram	Whole	0.01	0.01	136	0	0
spinosad	Whole	0.01	0.01	136	0	0
spirotetramat	Whole	0.01	not set	136	-	-
sulfoxaflor	Whole	0.01	0.02	136	0	0
tau-fluvalinate	Whole	0.01	not set	136	-	-
tebufenozide	Whole	0.01	not set	136	-	-
tebufenpyrad	Whole	0.01	not set	136	-	-
terbufos	Whole	0.005	not set	136	-	-
tetradifon	Whole	0.01	not set	136	-	-
thiacloprid	Whole	0.01	not set	136	-	-
thiamethoxam	Whole	0.01	not set	136	-	-
thiodicarb	Whole	0.01	not set	136	-	-
triazofos	Whole	0.01	not set	136	-	-
trichlorfon	Whole	0.01	not set	136	-	-
triflumuron	Whole	0.01	not set	136	-	-

Table 6: METALS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
arsenic (total)	Whole	0.05	no limit	39	0	0
cadmium	Whole	0.01	no limit	39	0	0
copper	Whole	0.05	no limit	39	0	0
lead	Whole	0.01	no limit	39	0	0
mercury (total)	Whole	0.01	no limit	39	0	0

Table 7: PHYSIOLOGICAL MODIFIER

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
diphenylamine	Whole	0.01	not set	136	-	-
forchlorfenuron	Whole	0.01	not set	136	-	-
prohexadione-calcium	Whole	0.01	not set	136	-	-