Australian Government

Department of Agriculture, Fisheries and Forestry

Almond 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.

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	146	-	-
chlordane	Whole	0.01	not set	146	-	-
DDT	Whole	0.01	not set	146	-	-
endosulfan	Whole	0.01	not set	146	-	-
endrin	Whole	0.01	not set	146	-	-
HCB (hexachlorobenzene)	Whole	0.01	not set	146	-	-
HCH (BHC)	Whole	0.01	not set	146	-	-
heptachlor	Whole	0.01	not set	146	-	-
lindane (gamma-HCH)	Whole	0.01	not set	146	-	-
mirex	Whole	0.01	not set	146	-	-

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	18	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	146	-	-
azoxystrobin	Whole	0.01	0.01	146	0	0
benalaxyl	Whole	0.01	not set	146	-	-
bitertanol	Whole	0.01	not set	146	-	-
boscalid	Whole	0.01	0.5	146	0	0
bupirimate	Whole	0.01	not set	146	-	-
captafol	Whole	0.05	not set	146	-	-
captan	Whole	0.05	0.3	146	0	0
carbendazim	Whole	0.01	not set	146	-	-
chlorothalonil	Whole	0.01	0.1	146	0	0
cyproconazole	Whole	0.01	not set	146	-	-
cyprodinil	Whole	0.01	0.01	146	0	0
difenoconazole	Whole	0.01	not set	146	-	-
dimethomorph	Whole	0.01	not set	146	-	-
dithianon	Whole	0.01	not set	146	-	-
dithiocarbamates	Whole	0.2	3	146	0	0
dodine	Whole	0.01	not set	146	-	-
epoxiconazole	Whole	0.01	not set	146	-	-
etridiazole	Whole	0.01	not set	146	-	-
fenarimol	Whole	0.01	not set	146	-	-
fenbuconazole	Whole	0.01	not set	146	-	-
fenhexamid	Whole	0.01	not set	146	-	-
fluazinam	Whole	0.01	not set	146	-	-
fludioxonil	Whole	0.01	not set	146	-	-
fluopyram	Whole	0.01	0.05	146	0	0
fluquinconazole	Whole	0.01	not set	146	-	-
flusilazole	Whole	0.01	not set	146	-	-
flutriafol	Whole	0.01	0.5	146	0	0
fluxapyroxad	Whole	0.01	0.07	146	0	0
hexaconazole	Whole	0.01	not set	146	-	-
imazalil	Whole	0.01	not set	146	-	-
iprodione	Whole	0.01	0.02	146	1	0
isopyrazam	Whole	0.01	0.01	146	0	0

kresoxim-methyl	Whole	0.01	not set	146	-	-
mandestrobin	Whole	0.01	not set	146	-	-
mefentrifluconazole	Whole	0.01	0.01	146	0	0
metalaxyl	Whole	0.01	5	146	0	0
metrafenone	Whole	0.01	not set	146	-	-
myclobutanil	Whole	0.01	not set	146	-	-
oxadixyl	Whole	0.01	not set	146	-	-
paclobutrazol	Whole	0.01	not set	146	-	-
penconazole	Whole	0.01	not set	146	-	-
penthiopyrad	Whole	0.01	0.1	146	0	0
prochloraz	Whole	0.01	not set	146	-	-
procymidone	Whole	0.01	not set	146	-	-
propiconazole	Whole	0.01	0.2	146	0	0
prothioconazole	Whole	0.01	not set	146	-	-
pyraclostrobin	Whole	0.01	0.07	146	0	0
pyrimethanil	Whole	0.01	not set	146	-	-
tebuconazole	Whole	0.01	0.05	146	0	0
thiabendazole	Whole	0.01	not set	146	-	-
tolclofos methyl	Whole	0.01	not set	146	-	-
triadimefon	Whole	0.01	not set	146	-	-
triadimenol	Whole	0.01	not set	146	-	-
trifloxystrobin	Whole	0.01	0.05	146	0	0
triforine	Whole	0.01	not set	146	-	-
triticonazole	Whole	0.01	not set	146	-	-
uniconazole-P	Whole	0.01	not set	146	-	-
vinclozolin	Whole	0.01	not set	146	-	-

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	146	-	-
2,4-D	Whole	0.01	0.05	146	0	0
amitrole	Whole	0.01	not set	122	-	-
atrazine	Whole	0.01	not set	146	-	-
bromacil	Whole	0.01	not set	146	-	-
bromoxynil	Whole	0.01	not set	146	-	-
carfentrazone-ethyl	Whole	0.01	0.05	146	0	0
chlormequat	Whole	0.01	not set	122	-	-
chlorpropham	Whole	0.05	not set	146	-	-
chlorsulfuron	Whole	0.01	not set	146	-	-

chlorthal-dimethyl	Whole	0.01	not set	146	-	-
clethodim	Whole	0.01	not set	146	-	-
clodinafop-propargyl	Whole	0.01	not set	146	-	-
clopyralid	Whole	0.05	not set	146	-	-
cyanazine	Whole	0.01	not set	146	-	-
dicamba	Whole	0.01	not set	146	-	-
dichlobenil	Whole	0.01	not set	146	-	-
dichlorprop-P	Whole	0.01	not set	122	-	-
diclofop-methyl	Whole	0.01	not set	122	-	-
diflufenican	Whole	0.01	not set	146	-	-
diquat	Whole	0.01	0.05	122	0	0
diuron	Whole	0.01	not set	146	-	-
ethofumesate	Whole	0.01	not set	146	-	-
fenoxaprop-ethyl	Whole	0.01	not set	146	-	-
flamprop-M-methyl	Whole	0.01	not set	122	-	-
fluazifop-p-butyl	Whole	0.01	not set	122	-	-
flumioxazin	Whole	0.02	0.02	146	0	0
glufosinate	Whole	0.01	0.1	122	0	0
glyphosate	Whole	0.01	0.2	122	0	1
haloxyfop	Whole	0.005	0.05	122	0	0
iodosulfuron-methyl	Whole	0.01	not set	146	-	-
ioxynil	Whole	0.01	not set	146	-	-
isoxaben	Whole	0.01	0.01	146	0	0
linuron	Whole	0.01	not set	146	-	-
MCPA	Whole	0.01	not set	146	-	-
metamitron	Whole	0.01	not set	146	-	-
methabenzthiazuron	Whole	0.01	not set	146	-	-
metolachlor	Whole	0.01	not set	146	-	-
metosulam	Whole	0.01	not set	146	-	-
metribuzin	Whole	0.01	not set	146	-	-
metsulfuron-methyl	Whole	0.01	not set	146	-	-
napropamide	Whole	0.01	0.1	146	0	0
norflurazon	Whole	0.01	0.2	146	0	0
oryzalin	Whole	0.01	0.1	146	0	0
oxyfluorfen	Whole	0.01	0.05	146	0	0
paraquat	Whole	0.01	0.05	122	0	0
pendimethalin	Whole	0.01	0.05	146	0	0
picloram	Whole	0.01	not set	146	-	-
propachlor	Whole	0.01	not set	146	-	-
propaquizafop	Whole	0.01	not set	122	-	-
propyzamide	Whole	0.01	not set	146	-	-
quizalofop-ethyl	Whole	0.01	not set	122	-	-

quizalofop-P-tefuryl	Whole	0.01	not set	122	-	-
saflufenacil	Whole	0.01	0.03	146	0	0
sethoxydim	Whole	0.01	not set	146	-	-
simazine	Whole	0.01	0.1	146	0	0
tralkoxydim	Whole	0.01	not set	146	-	-
triasulfuron	Whole	0.01	not set	146	-	-
triclopyr	Whole	0.01	not set	146	-	-
trifluralin	Whole	0.01	not set	146	-	-

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	146	0	0
acephate	Whole	0.05	not set	146	-	-
acetamiprid	Whole	0.01	not set	146	-	-
aldicarb	Whole	0.01	not set	146	-	-
amitraz	Whole	0.01	not set	146	-	-
azamethiphos	Whole	0.01	not set	146	-	-
azinphos-methyl	Whole	0.01	not set	146	-	-
bifenazate	Whole	0.01	0.1	146	0	0
bifenthrin	Whole	0.01	0.1	146	0	0
bioresmethrin	Whole	0.01	not set	146	-	-
buprofezin	Whole	0.01	0.1	146	0	0
cadusafos	Whole	0.005	not set	146	-	-
carbaryl	Whole	0.01	not set	146	-	-
carbofuran	Whole	0.005	not set	146	-	-
chlorantraniliprole	Whole	0.01	0.1	146	0	0
chlorfenapyr	Whole	0.01	not set	146	-	-
chlorfenvinphos	Whole	0.01	not set	146	-	-
chlorpyrifos	Whole	0.005	0.05	146	0	0
chlorpyrifos-methyl	Whole	0.005	not set	146	-	-
clofentezine	Whole	0.01	0.5	146	0	0
clothianidin	Whole	0.01	0.05	146	0	0
cyantraniliprole	Whole	0.01	0.05	146	0	0
cyflumetofen	Whole	0.01	0.01	146	0	0
cyfluthrin	Whole	0.01	not set	146	-	-
cyhalothrin	Whole	0.01	not set	146	-	-
cypermethrin	Whole	0.01	0.01	146	0	0
deltamethrin	Whole	0.01	not set	146	-	-
diazinon	Whole	0.01	0.1	146	0	0
dichlorvos	Whole	0.01	2	146	0	0

dicofol	Whole	0.01	5	146	0	0
diflubenzuron	Whole	0.01	not set	146	-	-
dimethoate	Whole	0.01	not set	146	-	-
disulfoton	Whole	0.01	not set	146	-	-
emamectin	Whole	0.005	not set	146	-	-
ethion	Whole	0.01	not set	146	-	-
ethoprophos	Whole	0.005	not set	146	-	-
etoxazole	Whole	0.01	0.01	146	0	0
fenamiphos	Whole	0.01	not set	146	-	-
fenbutatin oxide	Whole	0.01	not set	146	-	-
fenitrothion	Whole	0.01	not set	146	-	-
fenoxycarb	Whole	0.01	not set	146	-	-
fenpyroximate	Whole	0.01	not set	146	-	-
fenthion	Whole	0.01	not set	146	-	-
fenvalerate	Whole	0.01	not set	146	-	-
fipronil	Whole	0.005	not set	146	-	-
flonicamid	Whole	0.01	not set	146	-	-
flupyradifurone	Whole	0.01	0.2	146	0	0
hexythiazox	Whole	0.01	not set	146	-	-
imidacloprid	Whole	0.01	not set	146	-	-
indoxacarb	Whole	0.01	not set	146	-	-
malathion	Whole	0.01	8	146	0	0
metaldehyde	Whole	0.05	not set	146	-	-
methacrifos	Whole	0.01	not set	146	-	-
methamidophos	Whole	0.01	not set	146	-	-
methidathion	Whole	0.01	not set	146	-	-
methiocarb	Whole	0.01	not set	146	-	-
methomyl	Whole	0.01	not set	146	-	-
methoprene	Whole	0.01	not set	146	-	-
methoxychlor	Whole	0.01	not set	146	-	-
methoxyfenozide	Whole	0.01	0.2	146	0	0
mevinphos	Whole	0.01	not set	146	-	-
monocrotophos	Whole	0.01	not set	146	-	-
novaluron	Whole	0.01	not set	146	-	-
omethoate	Whole	0.01	not set	146	-	-
parathion	Whole	0.01	not set	146	-	-
parathion-methyl	Whole	0.01	not set	146	-	-
permethrin	Whole	0.01	not set	146	-	-
phenothrin	Whole	0.01	not set	146	-	-
phorate	Whole	0.01	not set	146	-	-
phosmet	Whole	0.01	not set	146	-	-
piperonyl butoxide	Whole	0.01	8	146	0	0

pirimicarb	Whole	0.01	0.05	146	0	0
pirimiphos-methyl	Whole	0.01	not set	146	-	-
profenofos	Whole	0.01	not set	146	-	-
propargite	Whole	0.01	not set	146	-	-
prothiofos	Whole	0.01	not set	146	-	-
pymetrozine	Whole	0.01	0.01	146	0	0
pyrethrins	Whole	0.05	1	146	0	0
pyridaben	Whole	0.02	not set	146	-	-
pyriproxyfen	Whole	0.01	not set	146	-	-
spinetoram	Whole	0.01	0.01	146	0	0
spinosad	Whole	0.01	0.01	146	0	0
spirotetramat	Whole	0.01	not set	146	-	-
sulfoxaflor	Whole	0.01	0.02	146	0	0
tau-fluvalinate	Whole	0.01	not set	146	-	-
tebufenozide	Whole	0.01	not set	146	-	-
tebufenpyrad	Whole	0.01	not set	146	-	-
terbufos	Whole	0.005	not set	146	-	-
tetradifon	Whole	0.01	not set	146	-	-
tetraniliprole	Whole	0.01	0.05	146	0	0
thiacloprid	Whole	0.01	not set	146	-	-
thiamethoxam	Whole	0.01	not set	146	-	-
thiodicarb	Whole	0.01	not set	146	-	-
triazofos	Whole	0.01	not set	146	-	-
trichlorfon	Whole	0.01	not set	146	-	-
triflumuron	Whole	0.01	not set	146	-	-

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	42	0	0
cadmium	Whole	0.01	no limit	42	0	0
copper	Whole	0.05	no limit	42	0	0
lead	Whole	0.01	no limit	42	0	0
mercury (total)	Whole	0.01	no limit	42	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	146	-	-
forchlorfenuron	Whole	0.01	not set	146	-	-

prohexadione-calcium	Whole	0.01	not set	146	-	-