Australian Government
Department of Agriculture and Water Resources

Almond residue testing annual datasets 2016–17

National Residue Survey, Department of Agriculture and Water Resources

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.

Disclaimer

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	96	–	0
azoxystrobin	Whole	0.01	0.01	96	0	0
benalaxyl	Whole	0.01	not set	96	–	0
bitertanol	Whole	0.01	not set	96	–	0
boscalid	Whole	0.01	0.5	96	0	0
bupirimate	Whole	0.01	not set	96	–	0
captafol	Whole	0.05	not set	96	–	0
captan	Whole	0.05	0.3	96	0	0
carbendazim	Whole	0.01	not set	96	–	0
chlorothalonil	Whole	0.01	0.1	96	0	0
cyproconazole	Whole	0.01	not set	96	–	0
cyprodinil	Whole	0.01	not set	96	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	Whole	0.01	not set	96	–	0
dimethomorph (sum of E and Z isomers)	Whole	0.01	not set	96	–	0
dithianon	Whole	0.01	not set	96	–	0
dithiocarbamates	Whole	0.2	3	96	0	0
dodine	Whole	0.01	not set	96	–	0
epoxiconazole	Whole	0.01	not set	96	–	0
etridiazole	Whole	0.01	not set	96	–	0
fenarimol	Whole	0.01	not set	96	–	0
fenhexamid	Whole	0.01	not set	96	–	0
fluazinam	Whole	0.01	not set	96	–	0
fludioxonil	Whole	0.01	not set	96	–	0
fluquinconazole	Whole	0.01	not set	96	–	0
flusilazole	Whole	0.01	not set	96	–	0
flutriafol	Whole	0.01	not set	96	–	0
hexaconazole	Whole	0.01	not set	96	–	0
imazalil	Whole	0.01	Not set	96	–	0
iprodione	Whole	0.02	0.02	96	0	0
kresoxim-methyl	Whole	0.01	not set	96	–	0
metalaxyl	Whole	0.01	not set	96	–	0
metrafenone	Whole	0.01	not set	96	–	0
myclobutanil	Whole	0.01	not set	96	–	0
oxadixyl	Whole	0.01	not set	96	–	0
paclobutrazol	Whole	0.01	not set	96	–	0
penconazole	Whole	0.01	not set	96	–	0
penthiopyrad	Whole	0.01	0.1	96	0	0
prochloraz	Whole	0.01	not set	96	–	0
procymidone	Whole	0.01	not set	96	–	0
propiconazole	Whole	0.01	0.2	96	0	0
prothioconazole	Whole	0.05	not set	96	–	0
pyraclostrobin	Whole	0.01	0.01	96	0	0
pyrimethanil	Whole	0.01	Not set	96	–	0
tebuconazole	Whole	0.01	0.01	96	0	0
thiabendazole	Whole	0.01	not set	96	–	0
tolclofos methyl	Whole	0.01	not set	96	–	0
triadimefon	Whole	0.01	not set	96	–	0
triadimenol	Whole	0.01	not set	96	–	0
trifloxystrobin	Whole	0.01	0.05	96	0	0
triticonazole	Whole	0.01	not set	96	–	0
vinclozolin	Whole	0.01	not set	96	–	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	not set	96	–	0
2,4-D	Whole	0.01	not set	96	–	12
amitrole	Whole	0.01	not set	81	–	0
atrazine	Whole	0.01	not set	96	–	0
bromacil	Whole	0.01	not set	96	–	0
bromoxynil	Whole	0.01	not set	96	–	0
carfentrazone-ethyl	Whole	0.01	0.05	96	0	0
chlorpropham	Whole	0.05	not set	96	–	0
chlorsulfuron	Whole	0.01	not set	96	–	0
chlorthal-dimethyl	Whole	0.01	not set	96	–	0
clethodim (parent only)	Whole	0.01	not set	96	–	0
clodinafop-propargyl	Whole	0.01	not set	96	–	0
clopyralid	Whole	0.05	not set	96	–	0
cyanazine	Whole	0.01	not set	96	–	0
dicamba	Whole	0.01	not set	96	–	0
dichlobenil	Whole	0.01	not set	96	–	0
dichlorprop-P	Whole	0.01	not set	96	–	0
diclofop-methyl	Whole	0.01	not set	81	–	0
diflufenican	Whole	0.01	not set	96	–	0
diquat	Whole	0.01	0.05	81	0	0
diuron	Whole	0.01	not set	96	–	0
ethofumesate	Whole	0.01	not set	96	–	0
fenoxaprop-ethyl	Whole	0.01	not set	81	–	0
flamprop-M-methyl	Whole	0.01	not set	81	–	0
fluazifop-p-butyl	Whole	0.01	not set	81	–	0
glufosinate	Whole	0.01	0.1	81	0	0
glyphosate	Whole	0.01	0.2	81	0	0
haloxyfop	Whole	0.01	0.05	81	0	0
iodosulfuron-methyl	Whole	0.01	not set	96	–	0
ioxynil	Whole	0.01	not set	96	–	0
isoxaben	Whole	0.01	0.01	96	0	0
linuron	Whole	0.05	not set	96	–	0
MCPA	Whole	0.01	not set	96	–	0
methabenzthiazuron	Whole	0.01	not set	96	–	0
metolachlor	Whole	0.01	not set	96	–	0
metosulam	Whole	0.01	not set	96	–	0
metribuzin	Whole	0.01	not set	96	–	0
metsulfuron-methyl	Whole	0.01	not set	96	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
napropamide	Whole	0.01	0.1	96	0	0
norflurazon	Whole	0.01	0.2	96	0	0
oryzalin	Whole	0.01	0.1	96	0	0
oxyfluorfen	Whole	0.01	0.05	96	0	0
paraquat	Whole	0.01	0.05	81	0	0
pendimethalin	Whole	0.01	0.05	96	0	0
picloram	Whole	0.01	not set	96	–	0
propachlor	Whole	0.01	not set	96	–	0
propyzamide	Whole	0.01	not set	96	–	0
quizalofop-ethyl	Whole	0.01	not set	177	–	0
quizalofop-P-tefuryl	Whole	0.01	not set	177	–	0
saflufenacil	Whole	0.01	0.03	96	0	0
sethoxydim	Whole	0.01	not set	96	–	0
simazine	Whole	0.01	0.1	96	0	0
tralkoxydim	Whole	0.01	not set	96	–	0
triasulfuron	Whole	0.01	not set	96	–	0
triclopyr	Whole	0.01	not set	96	–	0
trifluralin	Whole	0.01	not set	96	–	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	96	0	0
acephate	Whole	0.05	not set	96	–	0
acetamiprid	Whole	0.01	not set	96	–	0
aldicarb	Whole	0.01	not set	96	–	0
amitraz	Whole	0.01	not set	96	–	0
azamethiphos	Whole	0.01	not set	96	–	0
azinphos-methyl	Whole	0.01	not set	96	–	0
bifenazate	Whole	0.01	0.1	96	0	0
bifenthrin	Whole	0.01	not set	96	–	0
bioresmethrin	Whole	0.01	not set	96	–	0
buprofezin	Whole	0.01	not set	96	–	0
cadusafos	Whole	0.01	not set	96	–	0
carbaryl	Whole	0.01	not set	96	–	0
carbofuran	Whole	0.01	not set	96	–	0
chlorantraniliprole	Whole	0.01	0.05	96	0	0
chlorfenapyr	Whole	0.01	not set	96	–	0
chlorfenvinphos (sum of isomers)	Whole	0.01	not set	96	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorpyrifos	Whole	0.01	0.05	96	0	0
chlorpyrifos-methyl	Whole	0.01	Not set	96	–	0
clofentezine	Whole	0.01	0.5	96	0	0
clothianidin	Whole	0.01	Not set	96	–	0
cyfluthrin (sum of isomers)	Whole	0.01	Not set	96	–	0
cyhalothrin (sum of isomers)	Whole	0.01	Not set	96	–	0
cypermethrin (sum of isomers)	Whole	0.01	0.01	96	0	0
deltamethrin	Whole	0.01	Not set	96	–	0
diazinon	Whole	0.01	0.1	96	0	0
dichlorvos	Whole	0.01	2	96	0	0
dicofol	Whole	0.01	5	96	0	0
diflubenzuron	Whole	0.01	Not set	96	–	0
dimethoate	Whole	0.01	Not set	96	–	0
disulfoton	Whole	0.01	Not set	96	–	0
emamectin	Whole	0.01	Not set	96	–	0
esfenvalerate	Whole	0.01	Not set	96	–	0
ethion	Whole	0.01	Not set	96	–	0
ethoprophos	Whole	0.005	Not set	96	–	0
etoxazole	Whole	0.01	0.01	96	0	0
fenamiphos	Whole	0.01	not set	96	–	0
fenbutatin oxide	Whole	0.01	not set	96	–	0
fenitrothion	Whole	0.01	not set	96	–	0
fenoxycarb	Whole	0.01	not set	96	–	0
fenpyroximate	Whole	0.01	not set	96	–	0
fenthion	Whole	0.01	not set	96	–	0
fenvalerate (sum of isomers)	Whole	0.01	not set	96	–	0
fipronil	Whole	0.01	not set	96	–	0
flonicamid	Whole	0.01	not set	96	–	0
hexythiazox	Whole	0.01	not set	96	–	0
imidacloprid	Whole	0.01	not set	96	–	0
indoxacarb	Whole	0.01	not set	96	–	0
malathion (maldison)	Whole	0.01	8	96	0	0
metaldehyde	Whole	0.05	not set	96	–	0
methacrifos	Whole	0.01	not set	96	–	0
methamidophos	Whole	0.01	not set	96	–	0
methidathion	Whole	0.01	not set	96	–	0
methiocarb	Whole	0.01	not set	96	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methomyl	Whole	0.01	Not set	96	–	0
methoprene	Whole	0.01	Not set	96	–	0
methoxychlor	Whole	0.01	Not set	96	–	0
methoxyfenozide	Whole	0.01	0.2	96	0	0
mevinphos	Whole	0.01	not set	96	–	0
monocrotophos	Whole	0.01	not set	96	–	0
omethoate	Whole	0.01	not set	96	–	0
parathion	Whole	0.01	not set	96	–	0
parathion-methyl	Whole	0.01	not set	96	–	0
permethrin (sum of isomers)	Whole	0.01	not set	96	–	0
phenothrin (sum of isomers)	Whole	0.01	Not set	96	–	0
phorate	Whole	0.01	Not set	96	–	0
phosmet	Whole	0.01	Not set	96	–	0
piperonyl butoxide	Whole	0.01	8	96	0	0
pirimicarb	Whole	0.01	0.05	96	0	0
pirimiphos-methyl	Whole	0.01	not set	96	–	0
profenofos	Whole	0.01	not set	96	–	0
propargite	Whole	0.01	not set	96	–	0
prothiofos	Whole	0.01	not set	96	–	0
pymetrozine	Whole	0.01	0.01	96	0	0
pyrethrins	Whole	0.05	1	96	0	0
pyridaben	Whole	0.02	0.05	96	0	0
pyriproxyfen	Whole	0.01	not set	96	–	0
spinetoram	Whole	0.01	not set	96	–	0
spinosad	Whole	0.01	0.01	96	0	0
spirotetramat	Whole	0.01	Not set	96	–	0
sulfoxaflor	Whole	0.01	0.02	96	0	0
tau-fluvalinate	Whole	0.01	not set	96	–	0
tebufenozide	Whole	0.01	not set	96	–	0
tebufenpyrad	Whole	0.01	not set	96	–	0
terbufos	Whole	0.01	not set	96	–	0
tetradifon	Whole	0.01	not set	96	–	0
thiacloprid	Whole	0.01	not set	96	–	0
thiamethoxam	Whole	0.01	not set	96	–	0
thiodicarb	Whole	0.01	not set	96	–	0
triazofos	Whole	0.01	not set	96	–	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	not set	96	–	0
chlordane	Whole	0.01	not set	96	–	0
DDT	Whole	0.01	not set	96	–	0
endosulfan	Whole	0.01	not set	96	–	0
endrin	Whole	0.01	not set	96	–	0
HCB (hexachlorobenzene)	Whole	0.01	not set	96	–	0
HCH (BHC)	Whole	0.01	not set	96	–	0
heptachlor	Whole	0.01	not set	96	–	0
lindane (gamma-HCH)	Whole	0.01	not set	96	–	0
mirex	Whole	0.01	not set	96	–	0

Table 4 Fumigants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	Whole	0.005	0.01	12	0	0

Table 5 Physiological Modifier

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diphenylamine	Whole	0.01	not set	96	–	0