Australian Government
Department of Agriculture and Water Resources

Almond residue testing annual datasets 2015–16

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.

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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	35	–	0
azoxystrobin	whole	0.01	0.01	35	0	0
benalaxyl	whole	0.01	not set	35	–	0
bitertanol	whole	0.01	not set	35	–	0
boscalid	whole	0.01	0.5	35	0	0
bupirimate	whole	0.01	not set	35	–	0
captafol	whole	0.05	not set	35	–	0
captan	whole	0.05	0.3	35	0	0
carbendazim	whole	0.01	not set	35	–	0
chlorothalonil	whole	0.01	0.1	35	0	0
cyproconazole	whole	0.01	not set	35	–	0
cyprodinil	whole	0.01	not set	35	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	not set	35	–	0
dimethomorph	whole	0.01	not set	35	–	0
dithianon	whole	0.01	not set	35	–	0
dithiocarbamates	whole	0.2	3	35	0	0
dodine	whole	0.01	not set	35	–	0
epoxiconazole	whole	0.01	not set	35	–	0
etridiazole	whole	0.01	not set	35	–	0
fenarimol	whole	0.01	not set	35	–	0
fenhexamid	whole	0.01	not set	35	–	0
fluazinam	whole	0.01	not set	35	–	0
fludioxonil	whole	0.01	not set	35	–	0
fluquinconazole	whole	0.01	not set	35	–	0
flusilazole	whole	0.01	not set	35	–	0
flutriafol	whole	0.01	not set	35	–	0
hexaconazole	whole	0.01	not set	35	–	0
imazalil	whole	0.01	not set	35	–	0
iprodione	whole	0.05	0.02	35	0	0
kresoxim-methyl	whole	0.01	not set	35	–	0
metalaxyl	whole	0.01	not set	35	–	0
myclobutanil	whole	0.01	not set	35	–	0
oxadixyl	whole	0.01	not set	35	–	0
paclobutrazol	whole	0.01	not set	35	–	0
penconazole	whole	0.01	not set	35	–	0
prochloraz	whole	0.01	not set	35	–	0
procymidone	whole	0.01	not set	35	–	0
propiconazole	whole	0.01	0.2	35	0	0
prothioconazole	whole	0.05	not set	35	–	0
pyraclostrobin	whole	0.01	0.01	35	0	0
pyrimethanil	whole	0.01	not set	35	–	0
tebuconazole	whole	0.01	0.01	35	0	0
thiabendazole	whole	0.01	not set	35	–	0
tolclofos methyl	whole	0.01	not set	35	–	0
triadimefon	whole	0.01	not set	35	–	0
triadimenol	whole	0.01	not set	35	–	0
trifloxystrobin	whole	0.01	0.05	35	0	0
triticonazole	whole	0.01	not set	35	–	0
vinclozolin	whole	0.01	not set	35	–	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2,2-DPA (2,2-dichloropropionic acid)	whole	0.05	not set	35	–	0
2,4-D	whole	0.01	not set	35	–	0
amitrole	whole	0.01	not set	17	–	0
atrazine	whole	0.01	not set	35	–	0
bromacil	whole	0.01	not set	35	–	0
bromoxynil	whole	0.01	not set	35	–	0
carfentrazone-ethyl	whole	0.01	0.05	35	0	0
chlorpropham	whole	0.05	not set	35	–	0
chlorsulfuron	whole	0.01	not set	35	–	0
chlorthal-dimethyl	whole	0.01	not set	35	–	0
clethodim	whole	0.01	not set	35	–	0
clodinafop-propargyl	whole	0.01	not set	35	–	0
clopyralid	whole	0.05	not set	35	–	0
cyanazine	whole	0.01	not set	35	–	0
dicamba	whole	0.01	not set	35	–	0
dichlobenil	whole	0.01	not set	35	–	0
dichlorprop-P	whole	0.01	not set	35	–	0
diclofop-methyl	whole	0.01	not set	17	–	0
diflufenican	whole	0.01	not set	35	–	0
diquat	whole	0.01	0.05	17	0	0
diuron	whole	0.01	not set	35	–	0
ethofumesate	whole	0.01	not set	35	–	0
fenoxaprop-ethyl	whole	0.01	not set	17	–	0
flamprop-M-methyl	whole	0.01	not set	17	–	0
fluazifop-p-butyl	whole	0.01	not set	17	–	0
glufosinate	whole	0.01	0.1	17	0	0
glyphosate	whole	0.01	0.2	17	0	0
haloxyfop	whole	0.01	0.05	17	0	3
iodosulfuron-methyl	whole	0.01	not set	35	–	0
ioxynil	whole	0.01	not set	35	–	0
isoxaben	whole	0.01	0.01	35	0	0
linuron	whole	0.05	not set	35	–	0
MCPA	whole	0.01	not set	35	–	0
methabenthiazuron	whole	0.01	not set	35	–	0
metolachlor	whole	0.01	not set	35	–	0
metosulam	whole	0.01	not set	35	–	0
metribuzin	whole	0.01	not set	35	–	0
metsulfuron-methyl	whole	0.01	not set	35	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
napropamide	whole	0.01	0.1	35	0	0
norflurazon	whole	0.01	0.2	35	0	0
oryzalin	whole	0.01	0.1	35	0	0
oxyfluorfen	whole	0.01	0.05	35	0	0
paraquat	whole	0.01	0.05	17	0	0
pendimethalin	whole	0.01	0.05	35	0	0
picloram	whole	0.01	not set	35	–	0
propachlor	whole	0.01	not set	35	–	0
propyzamide	whole	0.01	not set	35	–	0
quizalofop-ethyl	whole	0.01	not set	35	–	0
quizalofop-P-tefuryl	whole	0.01	not set	35	–	0
saflufenacil	whole	0.01	0.03	35	0	0
sethoxydim	whole	0.01	not set	35	–	0
simazine	whole	0.01	0.1	35	0	0
tralkoxydim	whole	0.01	not set	35	–	0
triasulfuron	whole	0.01	not set	35	–	0
triclopyr	whole	0.01	not set	35	–	0
trifluralin	whole	0.01	not set	35	–	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
abamectin	whole	0.01	0.01	35	0	0
acephate	whole	0.05	not set	35	–	0
acetamiprid	whole	0.01	not set	35	–	0
aldicarb	whole	0.01	not set	35	–	0
amitraz	whole	0.01	not set	35	–	0
azamethiphos	whole	0.01	not set	35	–	0
azinphos-methyl	whole	0.01	not set	35	–	0
bifenazate	whole	0.01	0.1	35	0	0
bifenthrin	whole	0.01	not set	35	–	0
bioresmethrin	whole	0.01	not set	35	–	0
buprofezin	whole	0.01	not set	35	–	0
cadusafos	whole	0.01	not set	35	–	0
carbaryl	whole	0.01	not set	35	–	0
carbofuran	whole	0.01	not set	35	–	0
chlorantraniliprole	whole	0.01	0.05	35	0	0
chlorfenapyr	whole	0.01	not set	35	–	0
chlorfenvinphos	whole	0.01	not set	35	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorpyrifos	whole	0.01	0.05	35	0	0
chlorpyrifos-methyl	whole	0.01	not set	35	–	0
clofentezine	whole	0.01	0.5	35	0	0
clothianidin	whole	0.01	not set	35	–	0
cyfluthrin	whole	0.01	not set	35	–	0
cyhalothrin	whole	0.01	not set	35	–	0
cypermethrin	whole	0.01	0.01	35	0	0
deltamethrin	whole	0.01	not set	35	–	0
diazinon	whole	0.01	0.1	35	0	0
dichlorvos	whole	0.01	2	35	0	0
dicofol	whole	0.01	5	35	0	0
diflubenzuron	whole	0.01	not set	35	–	0
dimethoate	whole	0.01	not set	35	–	0
disulfoton	whole	0.01	not set	35	–	0
emamectin	whole	0.01	not set	35	–	0
endosulfan	whole	0.01	not set	35	–	0
esfenvalerate	whole	0.01	not set	35	–	0
ethion	whole	0.01	not set	35	–	0
ethoprophos	whole	0.005	not set	35	–	0
etoxazole	whole	0.01	not set	35	–	0
fenamiphos	whole	0.01	not set	35	–	0
fenbutatin oxide	whole	0.01	not set	35	–	0
fenitrothion	whole	0.01	not set	35	–	0
fenoxycarb	whole	0.01	not set	35	–	0
fenpyroximate	whole	0.01	not set	35	–	0
fenthion	whole	0.01	not set	35	–	0
fenvalerate	whole	0.01	not set	35	–	0
fipronil	whole	0.01	not set	35	–	0
hexythiazox	whole	0.01	not set	35	–	0
imidacloprid	whole	0.01	not set	35	–	0
indoxacarb	whole	0.01	not set	35	–	0
malathion (maldison)	whole	0.01	8	35	0	0
metaldehyde	whole	0.05	not set	35	–	0
methacrifos	whole	0.01	not set	35	–	0
methamidophos	whole	0.01	not set	35	–	0
methidathion	whole	0.01	not set	35	–	0
methiocarb	whole	0.01	not set	35	–	0
methomyl	whole	0.01	not set	35	–	0
methoprene	whole	0.01	not set	35	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methoxychlor	whole	0.01	not set	35	–	0
methoxyfenozide	whole	0.01	0.2	35	0	0
mevinphos	whole	0.01	not set	35	–	0
monocrotophos	whole	0.01	not set	35	–	0
omethoate	whole	0.01	not set	35	–	0
parathion	whole	0.01	not set	35	–	0
parathion-methyl	whole	0.01	not set	35	–	0
permethrin	whole	0.01	not set	35	–	0
phenothrin	whole	0.01	not set	35	–	0
phorate	whole	0.01	not set	35	–	0
phosmet	whole	0.01	not set	35	–	0
piperonyl butoxide	whole	0.01	8	35	0	0
pirimicarb	whole	0.01	0.05	35	0	0
pirimiphos-methyl	whole	0.01	not set	35	–	0
profenofos	whole	0.01	not set	35	–	0
propargite	whole	0.01	not set	35	–	0
prothiofos	whole	0.01	not set	35	–	0
pymetrozine	whole	0.01	0.01	35	0	0
pyrethrins	whole	0.05	1	35	0	0
pyridaben	whole	0.02	0.05	35	0	0
pyriproxyfen	whole	0.01	not set	35	–	0
spinetoram	whole	0.01	not set	35	–	0
spinosad	whole	0.01	0.01	35	0	0
spirotetramat	whole	0.01	not set	35	–	0
sulfoxaflor	whole	0.01	not set	35	–	0
tau-fluvalinate	whole	0.01	not set	35	–	0
tebufenozide	whole	0.01	not set	35	–	0
tebufenpyrad	whole	0.01	not set	35	–	0
terbufos	whole	0.01	not set	35	–	0
tetradifon	whole	0.01	not set	35	–	0
thiacloprid	whole	0.01	not set	35	–	0
thiamethoxam	whole	0.01	not set	35	–	0
thiodicarb	whole	0.01	not set	35	–	0
triazofos	whole	0.01	not set	35	–	0
trichlorfon	whole	0.01	0.1	35	0	0
triflumuron	whole	0.01	not set	35	–	0

Table 4 Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	not set	35	–	0
chlordane	whole	0.01	not set	35	–	0
DDT	whole	0.01	not set	35	–	0
endrin	whole	0.01	not set	35	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	35	–	0
HCH (or BHC)	whole	0.01	not set	35	–	0
heptachlor	whole	0.01	not set	35	–	0
lindane (gamma-HCH)	whole	0.01	not set	35	–	0
mirex	whole	0.01	not set	35	–	0

Table 5 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	17	0	0

Table 6 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	35	–	0