



Mandarin residue testing annual datasets 2018

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

Although the Australian Government has exercised due care and skill in the preparation and compilation of this publication, it does not warrant its accuracy, completeness, currency or suitability for any purpose. To the maximum extent permitted by law, the Australian Government disclaims all liability, including liability in negligence for any loss, damage, cost or expense incurred by persons as a result of accessing, using or relying on any of the information or data set out in this publication. Before relying on the material in any matters, users should carefully evaluate its accuracy, currency, completeness and relevance for the purposes intended, and should obtain any appropriate professional advice relevant to their particular circumstances.

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	10	125	0	0
azoxystrobin	whole	0.01	3	125	0	0
benalaxyl	whole	0.01	not set	125	-	0
bitertanol	whole	0.01	not set	125	-	0
boscalid	whole	0.01	0.5	125	0	0
bupirimate	whole	0.01	not set	125	-	0
captafol	whole	0.05	not set	125	-	0
captan	whole	0.05	3	125	0	0
carbendazim	whole	0.01	not set	125	-	0
chlorothalonil	whole	0.01	not set	125	-	0
cyproconazole	whole	0.01	not set	125	-	0
cyprodinil	whole	0.01	not set	125	-	0

Mandarin residue testing annual datasets 2018

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
difenoconazole	whole	0.01	not set	125	-	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	125	-	0
dithianon	whole	0.01	2	125	0	0
dodine	whole	0.01	not set	125	-	0
epoxiconazole	whole	0.01	not set	125	-	0
etridiazole	whole	0.01	not set	125	-	0
fenarimol	whole	0.01	not set	125	-	0
fenbuconazole	whole	0.01	not set	53	-	0
fenhexamid	whole	0.01	not set	125	-	0
fluazinam	whole	0.01	not set	125	-	0
fludioxonil	whole	0.01	10	125	0	0
fluopyram	whole	0.01	not set	53	-	0
fluquinconazole	whole	0.01	not set	125	-	0
flusilazole	whole	0.01	not set	125	-	0
flutriafol	whole	0.01	0.5	125	0	0
hexaconazole	whole	0.01	not set	125	-	0
imazalil	whole	0.01	10	125	1	0
iprodione	whole	0.05	5	125	0	0
kresoxim-methyl	whole	0.01	not set	125	-	0
mandestrobin	whole	0.01	not set	53	-	0
metalaxyl	whole	0.01	not set	125	-	0
metrafenone	whole	0.01	not set	125	-	0
myclobutanil	whole	0.01	not set	125	-	0
oxadixyl	whole	0.01	not set	125	-	0
paclobutrazol	whole	0.01	not set	125	-	0
penconazole	whole	0.01	not set	125	-	0
penthiopyrad	whole	0.01	not set	125	-	0
prochloraz	whole	0.01	not set	125	-	0
procymidone	whole	0.01	not set	125	-	0
propiconazole	whole	0.01	7	125	0	0
prothioconazole	whole	0.05	not set	125	-	0
pyraclostrobin	whole	0.01	not set	125	-	0
pyrimethanil	whole	0.01	7	125	0	0
tebuconazole	whole	0.01	not set	125	-	0
thiabendazole-P	whole	0.01	10	125	10	0
tolclofos methyl	whole	0.01	not set	125	-	0
triadimefon	whole	0.01	not set	125	-	0
triadimenol	whole	0.01	not set	125	-	0
trifloxystrobin	whole	0.01	not set	125	-	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triforine	whole	0.01	not set	53	-	0
triticonazole	whole	0.01	not set	125	-	0
vinclozolin	whole	0.01	not set	125	-	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	0.1	125	0	0
2,4-D	whole	0.01	5	125	0	0
atrazine	whole	0.01	not set	125	-	0
bromacil	whole	0.01	0.04	125	0	0
bromoxynil	whole	0.01	not set	125	-	0
carfentrazone-ethyl	whole	0.01	0.05	125	0	0
chlorpropham	whole	0.05	not set	125	-	0
chlorsulfuron	whole	0.01	not set	125	-	0
chlorthal-dimethyl	whole	0.01	not set	125	-	0
clethodim (parent only)	whole	0.01	not set	125	-	0
clodinafop-propargyl	whole	0.01	not set	125	-	0
clopyralid	whole	0.05	not set	125	-	0
cyanazine	whole	0.01	not set	125	-	0
dicamba	whole	0.01	not set	125	-	0
dichlobenil	whole	0.01	0.1	125	0	0
dichlorprop-P	whole	0.01	0.2	125	0	0
diflufenican	whole	0.01	not set	125	-	0
diuron	whole	0.01	not set	125	-	0
ethofumesate	whole	0.01	not set	125	-	0
flumioxazin	whole	0.02	0.05	53	0	0
iodosulfuron-methyl	whole	0.01	not set	125	-	0
ioxynil	whole	0.01	not set	125	-	0
isoxaben	whole	0.01	0.01	125	0	0
linuron	whole	0.05	not set	125	-	0
MCPA	whole	0.01	not set	125	-	0
methabenzthiazuron	whole	0.01	not set	125	-	0
metolachlor	whole	0.01	not set	125	-	0
metosulam	whole	0.01	not set	125	-	0
metribuzin	whole	0.01	not set	125	-	0
metsulfuron-methyl	whole	0.01	not set	125	-	0
napropamide	whole	0.01	not set	125	-	0
norflurazon	whole	0.01	0.2	125	0	0

Mandarin residue testing annual datasets 2018

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
oryzalin	whole	0.01	0.1	125	0	0
oxyfluorfen	whole	0.01	not set	125	-	0
pendimethalin	whole	0.01	0.05	125	0	0
picloram	whole	0.01	not set	125	-	0
propachlor	whole	0.01	not set	125	-	0
propyzamide	whole	0.01	not set	125	-	0
quizalofop-ethyl	whole	0.01	not set	125	-	0
quizalofop-P-tefuryl	whole	0.01	not set	125	-	0
saflufenacil	whole	0.01	0.03	125	0	0
sethoxydim	whole	0.01	not set	125	-	0
simazine	whole	0.01	0.1	125	1	0
tralkoxydim	whole	0.01	not set	125	-	0
triasulfuron	whole	0.01	not set	125	-	0
triclopyr	whole	0.01	0.2	125	0	0
trifluralin	whole	0.01	0.05	125	0	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
acephate	whole	0.05	not set	125	-	0
acetamiprid-P	whole	0.01	1	125	0	0
aldicarb	whole	0.01	not set	125	-	0
amitraz	whole	0.01	not set	125	-	0
azamethiphos	whole	0.01	not set	125	-	0
azinphos-methyl	whole	0.01	not set	125	-	0
bifenazate	whole	0.01	not set	125	-	0
bifenthrin	whole	0.01	0.05	125	0	0
bioresmethrin	whole	0.01	not set	125	-	0
buprofezin	whole	0.01	2	125	0	0
cadusafos	whole	0.01	0.01	125	0	0
carbaryl	whole	0.01	not set	125	-	1
carbofuran	whole	0.01	not set	125	-	0
chlorantraniliprole	whole	0.01	0.01	125	0	0
chlorfenapyr	whole	0.01	not set	125	-	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	125	-	0
chlorpyrifos	whole	0.01	0.5	125	0	0
chlorpyrifos-methyl	whole	0.01	not set	125	-	0
clofentezine	whole	0.01	not set	125	-	0
clothianidin	whole	0.01	0.2	125	0	0

Mandarin residue testing annual datasets 2018

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyantranilprole	whole	0.01	0.7	53	0	0
cyfluthrin (sum of isomers)	whole	0.01	not set	125	-	0
cyhalothrin (sum of isomers)	whole	0.01	0.01	125	0	0
cypermethrin (sum of isomers)	whole	0.01	0.01	125	0	1
deltamethrin	whole	0.01	not set	125	-	0
diazinon	whole	0.01	0.7	125	0	0
dichlorvos	whole	0.01	0.1	125	0	0
dicofol	whole	0.01	5	125	0	0
diflubenzuron	whole	0.01	not set	125	-	0
dimethoate	whole	0.01	5	125	0	0
disulfoton	whole	0.01	not set	125	-	0
esfenvalerate	whole	0.01	not set	125	-	0
ethion	whole	0.01	1	125	0	0
ethoprophos	whole	0.005	not set	125	-	0
etoxazole	whole	0.01	0.5	125	0	0
fenamiphos	whole	0.01	not set	125	-	0
fenbutatin oxide	whole	0.01	5	125	0	0
fenitrothion	whole	0.01	not set	125	-	0
fenoxycarb	whole	0.01	not set	125	-	0
fenpyroximate	whole	0.01	not set	125	-	0
fenthion	whole	0.01	not set	125	-	0
fenvalerate (sum of isomers)	whole	0.01	not set	125	-	0
fipronil	whole	0.01	0.01	125	0	0
flonicamid	whole	0.01	not set	125	-	0
hexythiazox	whole	0.01	not set	125	-	0
imidacloprid	whole	0.01	2	125	0	0
indoxacarb	whole	0.01	not set	125	-	0
malathion (maldison)	whole	0.01	4	125	0	0
metaldehyde	whole	0.05	1	125	0	0
methacrifos	whole	0.01	not set	125	-	0
methamidophos	whole	0.01	not set	125	-	0
methidathion	whole	0.01	5	125	0	0
methiocarb	whole	0.01	0.1	125	0	0
methomyl	whole	0.01	1	125	0	0
methoprene	whole	0.01	not set	125	-	0
methoxychlor	whole	0.01	not set	125	-	0
methoxyfenozide	whole	0.01	1	125	0	0

Mandarin residue testing annual datasets 2018

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
mevinphos	whole	0.01	not set	125	-	0
monocrotophos	whole	0.01	not set	125	-	0
novaluron	whole	0.01	not set	53	-	0
omethoate	whole	0.01	2	125	0	0
parathion	whole	0.01	not set	125	-	0
parathion-methyl	whole	0.01	not set	125	-	0
permethrin (sum of isomers)	whole	0.01	not set	125	-	0
phenothrin (sum of isomers)	whole	0.01	not set	125	-	0
phorate	whole	0.01	not set	125	-	0
phosmet	whole	0.01	not set	125	-	0
piperonyl butoxide	whole	0.01	8	125	0	0
pirimicarb	whole	0.01	0.5	125	0	0
pirimiphos-methyl	whole	0.01	not set	125	-	0
profenofos	whole	0.01	not set	125	-	0
propargite	whole	0.01	not set	125	-	0
prothiofos	whole	0.01	not set	125	-	0
pymetrozine	whole	0.01	not set	125	-	0
pyrethrins	whole	0.05	1	125	0	0
pyridaben	whole	0.02	not set	125	-	0
pyriproxyfen	whole	0.01	0.3	125	0	0
spinetoram	whole	0.01	0.2	125	0	0
spinosad	whole	0.01	0.3	125	0	0
spirotetramat	whole	0.01	1	125	0	0
sulfoxaflor	whole	0.01	0.7	125	0	0
tau-fluvalinate	whole	0.01	not set	125	-	0
tebufenozide	whole	0.01	1	125	0	0
tebufenpyrad	whole	0.01	not set	125	-	0
terbufos	whole	0.01	not set	125	-	0
tetradifon	whole	0.01	not set	125	-	0
thiacloprid	whole	0.01	not set	125	-	0
thiamethoxam	whole	0.01	1	125	0	0
thiodicarb	whole	0.01	not set	125	-	0
triazofos	whole	0.01	not set	125	-	0
trichlorfon	whole	0.01	0.1	125	0	0
triflumuron	whole	0.01	not set	125	-	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	0.05	125	0	0
chlordane	whole	0.01	0.02	125	0	0
DDT	whole	0.01	1	125	0	0
endosulfan	whole	0.01	not set	125	-	0
endrin	whole	0.01	not set	125	-	0
HCB (hexachlorobenzene)	whole	0.01	not set	125	-	0
HCH (BHC)	whole	0.01	not set	125	-	0
heptachlor	whole	0.01	0.01	125	0	0
lindane (gamma-HCH)	whole	0.01	0.5	125	0	0
mirex	whole	0.01	not set	125	-	0

Table 4 - Physiological Modifier

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diphenylamine	whole	0.01	not set	125	-	0