



# Mung bean residue testing annual datasets 2018–19

National Residue Survey, Department of Agriculture

## 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
azoxystrobin	whole	0.01	0.7	12	0	0
benalaxyl	whole	0.01	not set	12	–	0
bitertanol	whole	0.01	0.5	12	0	0
boscalid	whole	0.01	0.5	12	0	0
bupirimate	whole	0.01	not set	12	–	0
captafol	whole	0.02	not set	12	–	0
captan	whole	0.01	not set	12	–	0
carbendazim	whole	0.01	0.5	12	0	0
chlorothalonil	whole	0.01	3	12	0	0
cyproconazole	whole	0.01	0.07	12	0	0
cyprodinil	whole	0.01	not set	12	–	0
difenoconazole	whole	0.01	not set	12	–	0

## Mung bean residue testing annual datasets 2018–19

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	12	–	0
dithianon	whole	0.01	not set	12	–	0
dodine	whole	0.01	not set	12	–	0
epoxiconazole	whole	0.01	not set	12	–	0
etridiazole	whole	0.01	0.2	12	0	0
fenarimol	whole	0.01	not set	12	–	0
fenhexamid	whole	0.01	not set	12	–	0
fluazinam	whole	0.01	not set	12	–	0
fludioxonil	whole	0.01	not set	12	–	0
fluquinconazole	whole	0.01	not set	12	–	0
flusilazole	whole	0.01	not set	12	–	0
flutriafol	whole	0.01	0.05	12	0	0
fluxapyroxad	whole	0.01	0.1	12	0	0
hexaconazole	whole	0.01	not set	12	–	0
imazalil	whole	0.01	not set	12	–	0
ipconazole	whole	0.01	not set	12	–	0
iprodione	whole	0.01	not set	12	–	0
kresoxim-methyl	whole	0.01	not set	12	–	0
metalaxyl	whole	0.01	not set	12	–	0
myclobutanil	whole	0.01	not set	12	–	0
oxadixyl	whole	0.01	not set	12	–	0
penconazole	whole	0.01	not set	12	–	0
prochloraz	whole	0.01	not set	12	–	0
procymidone	whole	0.01	not set	12	–	0
propiconazole	whole	0.01	0.3	12	0	0
prothioconazole	whole	0.01	0.7	12	0	0
pyraclostrobin	whole	0.01	not set	12	–	0
pyrimethanil	whole	0.01	not set	12	–	0
quinoxifen	whole	0.01	not set	12	–	0
spiroxamine-P	whole	0.01	not set	12	–	0
tebuconazole	whole	0.01	1	12	0	0
thiabendazole-P	whole	0.01	not set	12	–	0
tolclofos methyl	whole	0.01	not set	12	–	0
triadimefon	whole	0.01	not set	12	–	0
triadimenol	whole	0.01	not set	12	–	0
trifloxystrobin	whole	0.01	not set	12	–	0
triticonazole	whole	0.01	not set	12	–	0
vinclozolin	whole	0.01	not set	12	–	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	0.01	not set	12	–	0
2,4-D	whole	0.01	0.05	12	0	0
atrazine	whole	0.01	not set	12	–	0
bromacil	whole	0.01	not set	12	–	0
bromoxynil	whole	0.01	not set	12	–	0
carfentrazone-ethyl	whole	0.01	not set	12	–	0
chlorpropham	whole	0.01	not set	12	–	0
chlorsulfuron	whole	0.01	not set	12	–	0
chlorthal-dimethyl	whole	0.01	not set	12	–	0
clethodim (parent only)	whole	0.01	0.1	12	0	0
clodinafop-propargyl	whole	0.01	not set	12	–	0
clopyralid	whole	0.01	not set	12	–	0
cyanazine	whole	0.01	0.01	12	0	0
dicamba	whole	0.01	not set	12	–	0
dichlobenil	whole	0.01	not set	12	–	0
dichlorprop-P	whole	0.01	not set	12	–	0
diflufenican	whole	0.01	0.05	12	0	0
diuron	whole	0.01	0.05	12	0	0
ethofumesate	whole	0.01	not set	12	–	0
flumetsulam	whole	0.01	0.05	12	0	0
imazamox	whole	0.01	0.05	12	0	0
imazapic	whole	0.01	not set	12	–	0
imazapyr	whole	0.01	not set	12	–	0
imazaquin	whole	0.01	not set	12	–	0
imazethapyr	whole	0.01	0.1	12	0	0
iodosulfuron-methyl	whole	0.01	not set	12	–	0
ioxynil	whole	0.01	not set	12	–	0
isoxaben	whole	0.01	not set	12	–	0
linuron	whole	0.01	not set	12	–	0
MCPA	whole	0.01	not set	12	–	0
methabenzthiazuron	whole	0.01	not set	12	–	0
metolachlor	whole	0.01	0.05	12	0	0
metosulam	whole	0.01	not set	12	–	0
metribuzin	whole	0.01	0.01	12	0	0
metsulfuron-methyl	whole	0.01	0.2	12	0	0
napropamide	whole	0.01	not set	12	–	0
norflurazon	whole	0.01	not set	12	–	0
oryzalin	whole	0.01	not set	12	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
oxyfluorfen	whole	0.01	not set	12	–	0
pendimethalin	whole	0.01	0.05	12	0	0
picloram	whole	0.01	not set	12	–	0
propachlor	whole	0.01	not set	12	–	0
propyzamide	whole	0.01	0.01	12	0	0
saflufenacil	whole	0.01	0.2	12	0	0
sethoxydim	whole	0.01	0.1	12	0	0
simazine	whole	0.01	not set	12	–	0
tralkoxydim	whole	0.01	not set	12	–	0
triasulfuron	whole	0.01	not set	12	–	0
triclopyr	whole	0.01	not set	12	–	0
trifluralin	whole	0.01	0.05	12	0	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	0.002	12	0	0
emamectin	whole	0.01	0.01	12	0	0
acephate	whole	0.01	not set	12	–	0
acetamiprid-P	whole	0.01	not set	12	–	0
aldicarb	whole	0.01	not set	12	–	0
amitraz	whole	0.01	not set	12	–	0
azamethiphos	whole	0.01	not set	12	–	0
azinphos-methyl	whole	0.01	not set	12	–	0
bifenazate	whole	0.01	not set	12	–	0
bifenthrin	whole	0.01	0.02	12	0	0
bioresmethrin	whole	0.01	not set	12	–	0
buprofezin	whole	0.01	not set	12	–	0
cadusafos	whole	0.01	not set	12	–	0
carbaryl	whole	0.01	0.1	12	0	0
carbofuran	whole	0.01	not set	12	–	0
chlorantraniliprole	whole	0.01	0.7	12	0	0
chlorfenapyr	whole	0.01	not set	12	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	12	–	0
chlorpyrifos	whole	0.01	not set	12	–	0
chlorpyrifos-methyl	whole	0.01	0.15	12	0	0
clofentezine	whole	0.01	not set	12	–	0
clothianidin	whole	0.01	0.1	12	0	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	12	0	0

## Mung bean residue testing annual datasets 2018–19

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyhalothrin (sum of isomers)	whole	0.01	0.2	12	0	0
cypermethrin (sum of isomers)	whole	0.01	0.05	12	0	0
deltamethrin	whole	0.01	0.1	12	0	0
diafenthiuron	whole	0.01	not set	12	–	0
diazinon	whole	0.01	0.7	12	0	0
dichlorvos	whole	0.01	0.01	12	0	0
dicofol	whole	0.01	not set	12	–	0
diflubenzuron	whole	0.01	not set	12	–	0
dimethoate	whole	0.01	0.5	12	0	0
disulfoton	whole	0.01	not set	12	–	0
esfenvalerate	whole	0.01	0.5	12	0	0
ethion	whole	0.01	not set	12	–	0
ethoprophos	whole	0.005	not set	12	–	0
etoxazole	whole	0.01	not set	12	–	0
fenamiphos	whole	0.01	not set	12	–	0
fenbutatin oxide	whole	0.01	not set	12	–	0
fenitrothion	whole	0.01	0.1	12	0	0
fenoxycarb	whole	0.01	not set	12	–	0
fenpyroximate	whole	0.01	not set	12	–	0
fenthion	whole	0.01	not set	12	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	12	0	0
fipronil	whole	0.002	not set	12	–	0
hexythiazox	whole	0.01	not set	12	–	0
imidacloprid	whole	0.01	not set	12	–	0
indoxacarb	whole	0.01	0.2	12	0	0
malathion (maldison)	whole	0.01	2	12	0	0
methacrifos	whole	0.01	not set	12	–	0
methamidophos	whole	0.01	not set	12	–	0
methidathion	whole	0.01	not set	12	–	0
methiocarb	whole	0.01	not set	12	–	0
methomyl	whole	0.01	1	12	0	0
methoprene	whole	0.01	not set	12	–	0
methoxychlor	whole	0.01	not set	12	–	0
methoxyfenozide	whole	0.01	not set	12	–	0
mevinphos	whole	0.01	not set	12	–	0
monocrotophos	whole	0.01	not set	12	–	0
omethoate	whole	0.01	2	12	0	0
parathion	whole	0.01	not set	12	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
parathion-methyl	whole	0.01	not set	12	–	0
permethrin (sum of isomers)	whole	0.01	not set	12	–	0
phenothrin (sum of isomers)	whole	0.01	not set	12	–	0
phorate	whole	0.01	not set	12	–	0
phosmet	whole	0.01	not set	12	–	0
piperonyl butoxide	whole	0.01	8	12	0	0
pirimicarb	whole	0.01	0.02	12	0	0
pirimiphos-methyl	whole	0.01	not set	12	–	0
profenofos	whole	0.01	not set	12	–	0
propargite	whole	0.01	not set	12	–	0
prothiofos	whole	0.01	not set	12	–	0
pymetrozine	whole	0.01	not set	12	–	0
pyrethrins	whole	0.01	1	12	0	0
pyriproxyfen	whole	0.01	not set	12	–	0
spinetoram	whole	0.01	0.01	12	0	0
spinosad	whole	0.01	0.01	12	0	0
spirotetramat	whole	0.01	not set	12	–	0
sulfoxaflor	whole	0.01	not set	12	–	0
tau-fluvalinate	whole	0.01	not set	12	–	0
tebufenozide	whole	0.01	not set	12	–	0
tebufenpyrad	whole	0.01	not set	12	–	0
terbufos	whole	0.01	not set	12	–	0
tetradifon	whole	0.01	not set	12	–	0
thiacloprid	whole	0.01	not set	12	–	0
thiamethoxam	whole	0.01	not set	12	–	0
thiodicarb	whole	0.01	0.1	12	0	0
triazofos	whole	0.01	not set	12	–	0
trichlorfon	whole	0.01	0.2	12	0	0
triflumuron	whole	0.01	not set	12	–	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	12	–	0
chlordane	whole	0.01	0.02	12	0	0
DDT	whole	0.01	1	12	0	0
endosulfan	whole	0.01	not set	12	–	0

Mung bean residue testing annual datasets 2018–19

<b>Chemical</b>	<b>Matrix</b>	<b>LOR (mg/kg)</b>	<b>Australian standard (mg/kg)</b>	<b>No. of samples tested</b>	<b>&gt; ½ MRL to ≤ MRL</b>	<b>&gt; MRL</b>
endrin	whole	0.01	not set	12	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	12	–	0
HCH (BHC)	whole	0.01	not set	12	–	0
heptachlor	whole	0.01	0.05	12	0	0
lindane (gamma-HCH)	whole	0.01	2	12	0	0
mirex	whole	0.01	not set	12	–	0