



Mung Bean 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.

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	not set	16	–	0
benalaxyl	whole	0.01	not set	16	–	0
bitertanol	whole	0.01	0.5	16	0	0
boscalid	whole	0.01	0.5	16	0	0
bupirimate	whole	0.01	not set	16	–	0
captafol	whole	0.02	not set	16	–	0
captan	whole	0.02	not set	16	–	0
carbendazim	whole	0.01	0.5	16	0	0
chlorothalonil	whole	0.01	3	16	0	0
cyproconazole	whole	0.01	not set	16	–	0
cyprodinil	whole	0.01	not set	16	–	0
difenoconazole	whole	0.01	not set	16	–	0

Mung bean residue testing annual datasets 2015–16

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	16	–	0
dithianon	whole	0.01	not set	16	–	0
dodine	whole	0.01	not set	16	–	0
epoxiconazole	whole	0.01	not set	16	–	0
etridiazole	whole	0.01	0.2	16	0	0
fenarimol	whole	0.01	not set	16	–	0
fenhexamid	whole	0.01	not set	16	–	0
fluazinam	whole	0.01	not set	16	–	0
fludioxonil	whole	0.01	not set	16	–	0
fluquinconazole	whole	0.01	not set	16	–	0
flusilazole	whole	0.01	not set	16	–	0
flutriafol	whole	0.01	not set	16	–	0
fluxapyroxad	whole	0.01	0.1	16	0	0
hexaconazole	whole	0.01	not set	16	–	0
imazalil	whole	0.01	not set	16	–	0
ipconazole	whole	0.01	not set	16	–	0
iprodione	whole	0.01	not set	16	–	0
kresoxim–methyl	whole	0.01	not set	16	–	0
metalaxyl	whole	0.01	not set	16	–	0
myclobutanil	whole	0.01	not set	16	–	0
oxadixyl	whole	0.01	not set	16	–	0
penconazole	whole	0.01	not set	16	–	0
prochloraz	whole	0.01	not set	16	–	0
procymidone	whole	0.01	not set	16	–	0
propiconazole	whole	0.01	not set	16	–	0
prothioconazole	whole	0.01	0.1	16	0	0
pyraclostrobin	whole	0.01	not set	16	–	0
pyrimethanil	whole	0.01	not set	16	–	0
spiroxamine	whole	0.01	not set	16	–	0
tebuconazole	whole	0.01	0.2	16	0	0
thiabendazole	whole	0.01	not set	16	–	0
tolclofos methyl	whole	0.01	not set	16	–	0
triadimefon	whole	0.01	not set	16	–	0
triadimenol	whole	0.01	not set	16	–	0
trifloxystrobin	whole	0.01	not set	16	–	0
triticonazole	whole	0.01	not set	16	–	0
vinclozolin	whole	0.01	not set	16	–	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	0.01	not set	16	–	0
2,4-D	whole	0.01	0.05	16	0	0
amitrole	whole	0.01	0.01	3	0	0
atrazine	whole	0.01	not set	16	–	0
bromacil	whole	0.01	not set	16	–	0
bromoxynil	whole	0.01	not set	16	–	0
carfentrazone-ethyl	whole	0.01	not set	16	–	0
chlorpropham	whole	0.01	not set	16	–	0
chlorsulfuron	whole	0.01	not set	16	–	0
chlorthal-dimethyl	whole	0.01	not set	16	–	0
clethodim (parent only)	whole	0.01	0.1	16	0	0
clodinafop-propargyl	whole	0.01	not set	16	–	0
clopyralid	whole	0.01	not set	16	–	0
cyanazine	whole	0.01	0.01	16	0	0
dicamba	whole	0.01	not set	16	–	0
dichlobenil	whole	0.01	not set	16	–	0
dichlorprop-P	whole	0.01	not set	16	–	0
diclofop-methyl	whole	0.01	not set	3	–	0
diflufenican	whole	0.01	0.05	16	0	0
diquat	whole	0.01	1	3	0	0
diuron	whole	0.01	0.05	16	0	0
ethofumesate	whole	0.01	not set	16	–	0
fenoxaprop-ethyl	whole	0.01	not set	3	–	0
flamprop-M-methyl	whole	0.01	not set	3	–	0
fluazifop-p-butyl	whole	0.01	0.5	3	0	0
flumetsulam	whole	0.01	0.05	16	0	0
glufosinate	whole	0.01	not set	3	–	0
glyphosate	whole	0.01	10	3	0	0
haloxyfop	whole	0.01	0.1	3	0	1
imazamox	whole	0.01	not set	16	–	0
imazapic	whole	0.01	not set	16	–	0
imazapyr	whole	0.01	not set	16	–	0
imazaquin	whole	0.01	not set	16	–	0
imazethapyr	whole	0.01	0.1	16	0	0
iodosulfuron-methyl	whole	0.01	not set	16	–	0
ioxynil	whole	0.01	not set	16	–	0
isoxaben	whole	0.01	not set	16	–	0
linuron	whole	0.01	not set	16	–	0

Mung bean residue testing annual datasets 2015–16

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	16	–	0
methabenthiazuron	whole	0.01	not set	16	–	0
metolachlor	whole	0.01	0.05	16	0	0
metosulam	whole	0.01	not set	16	–	0
metribuzin	whole	0.01	0.01	16	0	0
metsulfuron–methyl	whole	0.01	0.2	16	0	0
napropamide	whole	0.01	not set	16	–	0
norflurazon	whole	0.01	not set	16	–	0
oryzalin	whole	0.01	not set	16	–	0
oxyfluorfen	whole	0.01	not set	16	–	0
paraquat	whole	0.01	1	3	0	0
pendimethalin	whole	0.01	0.05	16	0	0
picloram	whole	0.01	not set	16	–	0
propachlor	whole	0.01	not set	16	–	0
propyzamide	whole	0.01	not set	7	–	0
quizalofop–ethyl	whole	0.01	0.2	3	0	0
quizalofop–P–tefuryl	whole	0.01	0.2	3	0	0
saflufenacil	whole	0.01	0.03	7	0	0
sethoxydim	whole	0.01	0.1	16	0	0
simazine	whole	0.01	not set	16	–	0
tralkoxydim	whole	0.01	not set	16	–	0
triasulfuron	whole	0.01	not set	16	–	0
triclopyr	whole	0.01	not set	16	–	0
trifluralin	whole	0.01	0.05	16	0	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	0.002	16	0	0
acephate	whole	0.01	not set	16	–	0
acetamiprid	whole	0.01	not set	16	–	0
aldicarb	whole	0.01	not set	16	–	0
amitraz	whole	0.01	not set	16	–	0
azamethiphos	whole	0.01	not set	16	–	0
azinphos–methyl	whole	0.01	not set	16	–	0
bifenazate	whole	0.01	not set	16	–	0
bifenthrin	whole	0.01	0.02	16	0	0
bioresmethrin	whole	0.01	not set	16	–	0
buprofezin	whole	0.01	not set	16	–	0

Mung bean residue testing annual datasets 2015–16

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	16	–	0
carbaryl	whole	0.01	0.1	16	0	0
carbofuran	whole	0.01	not set	16	–	0
chlorantraniliprole	whole	0.01	0.7	16	0	0
chlorfenapyr	whole	0.01	not set	16	–	0
chlorfenvinphos	whole	0.01	not set	16	–	0
chlorpyrifos	whole	0.01	not set	16	–	0
chlorpyrifos–methyl	whole	0.01	not set	16	–	0
clofentezine	whole	0.01	not set	16	–	0
clothianidin	whole	0.01	0.1	16	0	0
cyfluthrin	whole	0.01	0.5	16	0	0
cyhalothrin	whole	0.01	0.2	16	0	0
cypermethrin	whole	0.01	0.05	16	0	0
deltamethrin	whole	0.01	0.1	16	0	0
diafenthiuron	whole	0.01	not set	16	–	0
diazinon	whole	0.01	0.7	16	0	0
dichlorvos	whole	0.01	0.01	16	0	0
dicofol	whole	0.01	not set	16	–	0
diflubenzuron	whole	0.01	not set	16	–	0
dimethoate	whole	0.01	0.5	16	0	0
disulfoton	whole	0.01	not set	16	–	0
emamectin	whole	0.01	0.01	16	0	0
endosulfan	whole	0.01	not set	16	–	0
esfenvalerate	whole	0.01	0.5	16	0	0
ethion	whole	0.01	not set	16	–	0
ethoprophos	whole	0.005	not set	16	–	0
etoxazole	whole	0.01	not set	16	–	0
fenamiphos	whole	0.01	not set	16	–	0
fenbutatin oxide	whole	0.01	not set	16	–	0
fenitrothion	whole	0.01	0.1	16	0	0
fenoxycarb	whole	0.01	not set	16	–	0
fenpyroximate	whole	0.01	not set	16	–	0
fenthion	whole	0.01	not set	16	–	0
fenvalerate	whole	0.01	0.5	16	0	0
fipronil	whole	0.005	not set	16	–	0
hexythiazox	whole	0.01	not set	16	–	0
imidacloprid	whole	0.01	not set	16	–	0
indoxacarb	whole	0.01	0.2	16	0	0
malathion (maldison)	whole	0.01	8	16	0	0

Mung bean residue testing annual datasets 2015–16

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methacrifos	whole	0.01	not set	16	–	0
methamidophos	whole	0.01	not set	16	–	0
methidathion	whole	0.01	0.01	16	0	0
methiocarb	whole	0.01	not set	16	–	0
methomyl	whole	0.01	1	16	0	0
methoprene	whole	0.01	not set	16	–	0
methoxychlor	whole	0.01	not set	16	–	0
methoxyfenozide	whole	0.01	not set	16	–	0
mevinphos	whole	0.01	not set	16	–	0
monocrotophos	whole	0.01	not set	16	–	0
omethoate	whole	0.01	2	16	0	0
parathion	whole	0.01	not set	16	–	0
parathion–methyl	whole	0.01	not set	16	–	0
permethrin	whole	0.01	0.1	16	0	0
phenothrin	whole	0.01	not set	16	–	0
phorate	whole	0.01	not set	16	–	0
phosmet	whole	0.01	not set	16	–	0
piperonyl butoxide	whole	0.01	8	16	0	0
pirimicarb	whole	0.01	0.02	16	0	0
pirimiphos–methyl	whole	0.01	not set	16	–	0
profenofos	whole	0.01	not set	16	–	0
propargite	whole	0.01	not set	16	–	0
prothiofos	whole	0.01	not set	16	–	0
pymetrozine	whole	0.01	not set	16	–	0
pyrethrins	whole	0.01	1	16	0	0
pyriproxyfen	whole	0.01	not set	16	–	0
spinetoram	whole	0.01	0.01	16	0	0
spinosad	whole	0.01	0.01	16	0	0
spirotetramat	whole	0.01	not set	16	–	0
sulfoxaflor	whole	0.01	not set	16	–	0
tau–fluvalinate	whole	0.01	not set	16	–	0
tebufenozide	whole	0.01	not set	16	–	0
tebufenpyrad	whole	0.01	not set	16	–	0
terbufos	whole	0.01	not set	16	–	0
tetradifon	whole	0.01	not set	16	–	0
thiacloprid	whole	0.01	not set	16	–	0
thiamethoxam	whole	0.01	not set	16	–	0
thiodicarb	whole	0.01	0.1	16	0	1
triazofos	whole	0.01	not set	16	–	0

Mung bean residue testing annual datasets 2015–16

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.2	16	0	0
triflumuron	whole	0.01	not set	16	-	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	16	-	0
chlordane	whole	0.01	0.02	16	0	0
DDT	whole	0.01	1	16	0	0
endrin	whole	0.01	not set	16	-	0
HCB (hexachlorobenzene)	whole	0.01	not set	16	-	0
HCH (or BHC)	whole	0.01	not set	16	-	0
heptachlor	whole	0.01	0.05	16	0	0
lindane (gamma-HCH)	whole	0.01	2	16	0	0
mirex	whole	0.01	not set	16	-	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	whole	0.005	0.01	2	0	1