



Mung bean 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.

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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	10	0	0
benalaxyl	whole	0.01	not set	10	–	0
bitertanol	whole	0.01	0.5	10	0	0
boscalid	whole	0.01	0.5	10	0	0
bupirimate	whole	0.01	not set	10	–	0
captafol	whole	0.02	not set	10	–	0
captan	whole	0.01	not set	10	–	0
carbendazim	whole	0.01	0.5	10	0	0
chlorothalonil	whole	0.01	3	10	0	0
cyproconazole	whole	0.01	0.07	10	0	0
cyprodinil	whole	0.01	not set	10	–	0
difenoconazole	whole	0.01	not set	10	–	0

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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	10	–	0
dithianon	whole	0.01	not set	10	–	0
dodine	whole	0.01	not set	10	–	0
epoxiconazole	whole	0.01	not set	10	–	0
etridiazole	whole	0.01	0.2	10	0	0
fenarimol	whole	0.01	not set	10	–	0
fenhexamid	whole	0.01	not set	10	–	0
fluazinam	whole	0.01	not set	10	–	0
fludioxonil	whole	0.01	not set	10	–	0
fluquinconazole	whole	0.01	not set	10	–	0
flusilazole	whole	0.01	not set	10	–	0
flutriafol	whole	0.01	not set	10	–	0
fluxapyroxad	whole	0.01	0.1	10	0	0
hexaconazole	whole	0.01	not set	10	–	0
imazalil	whole	0.01	not set	10	–	0
ipconazole	whole	0.01	not set	10	–	0
iprodione	whole	0.01	not set	10	–	0
kresoxim-methyl	whole	0.01	not set	10	–	0
metalaxyl	whole	0.01	not set	10	–	0
myclobutanil	whole	0.01	not set	10	–	0
oxadixyl	whole	0.01	not set	10	–	0
penconazole	whole	0.01	not set	10	–	0
prochloraz	whole	0.01	not set	10	–	0
procymidone	whole	0.01	not set	10	–	0
propiconazole	whole	0.01	0.3	10	0	0
prothioconazole	whole	0.01	0.7	10	0	0
pyraclostrobin	whole	0.01	not set	10	–	0
pyrimethanil	whole	0.01	not set	10	–	0
quinoxifen	whole	0.01	not set	10	–	0
spiroxamine-P	whole	0.01	not set	10	–	0
tebuconazole	whole	0.01	1	10	0	0
thiabendazole	whole	0.01	not set	10	–	0
tolclofos methyl	whole	0.01	not set	10	–	0
triadimefon	whole	0.01	not set	10	–	0
triadimenol	whole	0.01	not set	10	–	0
trifloxystrobin	whole	0.01	not set	10	–	0
triticonazole	whole	0.01	not set	10	–	0
vinclozolin	whole	0.01	not set	10	–	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	10	–	0
2,4-D	whole	0.01	0.05	10	0	0
amitrole	whole	0.01	0.01	1	0	0
atrazine	whole	0.01	not set	10	–	0
bromacil	whole	0.01	not set	10	–	0
bromoxynil	whole	0.01	not set	10	–	0
carfentrazone-ethyl	whole	0.01	not set	10	–	0
chlorpropham	whole	0.01	not set	10	–	0
chlorsulfuron	whole	0.01	not set	10	–	0
chlorthal-dimethyl	whole	0.01	not set	10	–	0
clethodim (parent only)	whole	0.01	0.1	10	0	0
clodinafop-propargyl	whole	0.01	not set	10	–	0
clopyralid	whole	0.01	not set	10	–	0
cyanazine	whole	0.01	0.01	10	0	0
dicamba	whole	0.01	not set	10	–	0
dichlobenil	whole	0.01	not set	10	–	0
dichlorprop-P	whole	0.01	not set	10	–	0
diclofop-methyl	whole	0.01	not set	1	–	0
diflufenican	whole	0.01	0.05	10	0	0
diquat	whole	0.01	1	1	0	0
diuron	whole	0.01	0.05	10	0	0
ethofumesate	whole	0.01	not set	10	–	0
fenoxaprop-ethyl	whole	0.01	not set	1	–	0
flamprop-M-methyl	whole	0.01	not set	1	–	0
fluazifop-p-butyl	whole	0.01	0.5	1	0	0
flumetsulam	whole	0.01	0.05	10	0	0
glufosinate	whole	0.01	not set	1	–	0
glyphosate	whole	0.01	10	1	0	0
haloxyfop	whole	0.01	0.1	1	0	1
imazamox	whole	0.01	0.05	10	0	0
imazapic	whole	0.01	not set	10	–	0
imazapyr	whole	0.01	not set	10	–	0
imazaquin	whole	0.01	not set	10	–	0
imazethapyr	whole	0.01	0.1	10	0	0
iodosulfuron-methyl	whole	0.01	not set	10	–	0
ioxynil	whole	0.01	not set	10	–	0
isoxaben	whole	0.01	not set	10	–	0
linuron	whole	0.01	not set	10	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	10	–	0
methabenzthiazuron	whole	0.01	not set	10	–	0
metolachlor	whole	0.01	0.05	10	0	0
metosulam	whole	0.01	not set	10	–	0
metribuzin	whole	0.01	0.01	10	0	0
metsulfuron-methyl	whole	0.01	0.2	10	0	0
napropamide	whole	0.01	not set	10	–	0
norflurazon	whole	0.01	not set	10	–	0
oryzalin	whole	0.01	not set	10	–	0
oxyfluorfen	whole	0.01	not set	10	–	0
paraquat	whole	0.01	1	1	0	0
pendimethalin	whole	0.01	0.05	10	0	0
picloram	whole	0.01	not set	10	–	0
propachlor	whole	0.01	not set	10	–	0
propyzamide	whole	0.01	0.01	10	0	0
quizalofop-ethyl	whole	0.01	0.2	1	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	1	0	0
saflufenacil	whole	0.01	0.2	10	0	0
sethoxydim	whole	0.01	0.1	10	0	0
simazine	whole	0.01	not set	10	–	0
tralkoxydim	whole	0.01	not set	10	–	0
triasulfuron	whole	0.01	not set	10	–	0
triclopyr	whole	0.01	not set	10	–	0
trifluralin	whole	0.01	0.05	10	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	10	0	0
acephate	whole	0.01	not set	10	–	0
acetamiprid	whole	0.01	not set	10	–	0
aldicarb	whole	0.01	not set	10	–	0
amitraz	whole	0.01	not set	10	–	0
azamethiphos	whole	0.01	not set	10	–	0
azinphos-methyl	whole	0.01	not set	10	–	0
bifenazate	whole	0.01	not set	10	–	0
bifenthrin	whole	0.01	0.02	10	0	0
bioresmethrin	whole	0.01	not set	10	–	0
buprofezin	whole	0.01	not set	10	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	10	–	0
carbaryl	whole	0.01	0.1	10	0	0
carbofuran	whole	0.01	not set	10	–	0
chlorantraniliprole	whole	0.01	0.7	10	0	0
chlorfenapyr	whole	0.01	not set	10	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	10	–	0
chlorpyrifos	whole	0.01	not set	10	–	0
chlorpyrifos-methyl	whole	0.01	not set	10	–	0
clofentezine	whole	0.01	not set	10	–	0
clothianidin	whole	0.01	0.1	10	0	0
cyfluthrin (sum of isomers)	whole	0.01	0.5	10	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	10	0	0
cypermethrin (sum of isomers)	whole	0.01	0.05	10	0	0
deltamethrin	whole	0.01	0.1	10	0	0
diafenthion	whole	0.01	not set	10	–	0
diazinon	whole	0.01	0.7	10	0	0
dichlorvos	whole	0.01	0.01	10	0	0
dicofol	whole	0.01	not set	10	–	0
diflubenzuron	whole	0.01	not set	10	–	0
dimethoate	whole	0.01	0.5	10	0	0
disulfoton	whole	0.01	not set	10	–	0
emamectin	whole	0.01	0.01	10	0	0
esfenvalerate	whole	0.01	0.5	10	0	0
ethion	whole	0.01	not set	10	–	0
ethoprophos	whole	0.005	not set	10	–	0
etoxazole	whole	0.01	not set	10	–	0
fenamiphos	whole	0.01	not set	10	–	0
fenbutatin oxide	whole	0.01	not set	10	–	0
fenitrothion	whole	0.01	0.1	10	0	0
fenoxycarb	whole	0.01	not set	10	–	0
fenpyroximate	whole	0.01	not set	10	–	0
fenthion	whole	0.01	not set	10	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	10	0	0
fipronil	whole	0.002	not set	10	–	0
hexythiazox	whole	0.01	not set	10	–	0
imidacloprid	whole	0.01	not set	10	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	0.2	10	0	0
malathion (maldison)	whole	0.01	2	10	0	0
methacrifos	whole	0.01	not set	10	–	0
methamidophos	whole	0.01	not set	10	–	0
methidathion	whole	0.01	not set	10	–	0
methiocarb	whole	0.01	not set	10	–	0
methomyl	whole	0.01	1	10	0	0
methoprene	whole	0.01	not set	10	–	0
methoxychlor	whole	0.01	not set	10	–	0
methoxyfenozide	whole	0.01	not set	10	–	0
mevinphos	whole	0.01	not set	10	–	0
monocrotophos	whole	0.01	not set	10	–	0
omethoate	whole	0.01	2	10	0	0
parathion	whole	0.01	not set	10	–	0
parathion-methyl	whole	0.01	not set	10	–	0
permethrin (sum of isomers)	whole	0.01	0.1	10	0	0
phenothrin (sum of isomers)	whole	0.01	not set	10	–	0
phorate	whole	0.01	not set	10	–	0
phosmet	whole	0.01	not set	10	–	0
piperonyl butoxide	whole	0.01	8	10	0	0
pirimicarb	whole	0.01	0.02	10	0	0
pirimiphos-methyl	whole	0.01	not set	10	–	0
profenofos	whole	0.01	not set	10	–	0
propargite	whole	0.01	not set	10	–	0
prothiofos	whole	0.01	not set	10	–	0
pymetrozine	whole	0.01	not set	10	–	0
pyrethrins	whole	0.01	1	10	0	0
pyriproxyfen	whole	0.01	not set	10	–	0
spinetoram	whole	0.01	0.01	10	0	0
spinosad	whole	0.01	0.01	10	0	0
spirotetramat	whole	0.01	not set	10	–	0
sulfoxaflor	whole	0.01	not set	10	–	0
tau-fluvalinate	whole	0.01	not set	10	–	0
tebufenozide	whole	0.01	not set	10	–	0
tebufenpyrad	whole	0.01	not set	10	–	0
terbufos	whole	0.01	not set	10	–	0
tetradifon	whole	0.01	not set	10	–	0
thiacloprid	whole	0.01	not set	10	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	not set	10	–	0
thiodicarb	whole	0.01	0.1	10	0	0
triazofos	whole	0.01	not set	10	–	0
trichlorfon	whole	0.01	0.2	10	0	0
triflumuron	whole	0.01	not set	10	–	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	10	–	0
chlordane	whole	0.01	0.02	10	0	0
DDT	whole	0.01	1	10	0	0
endosulfan	whole	0.01	not set	10	–	0
endrin	whole	0.01	not set	10	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	10	–	0
HCH (BHC)	whole	0.01	not set	10	–	0
heptachlor	whole	0.01	0.05	10	0	0
lindane (gamma-HCH)	whole	0.01	2	10	0	0
mirex	whole	0.01	not set	10	–	0