



Mung bean residue testing annual datasets 2020–21

National Residue Survey, Department of Agriculture, Water and the Environment

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	0.3	92	0	0
benalaxyl	whole	0.01	not set	92	–	0
bitertanol	whole	0.01	not set	92	–	0
bixafen	whole	0.01	0.01	92	0	0
boscalid	whole	0.01	0.5	92	0	0
bupirimate	whole	0.01	not set	92	–	0
captafol	whole	0.02	not set	92	–	0
captan	whole	0.01	not set	92	–	0
carbendazim	whole	0.01	0.5	92	0	0
carboxin	whole	0.01	not set	92	–	0
chlorothalonil	whole	0.01	3	92	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyproconazole	whole	0.01	0.05	92	0	0
cyprodinil	whole	0.01	not set	92	–	0
difenoconazole	whole	0.01	not set	92	–	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	92	–	0
dithianon	whole	0.01	not set	92	–	0
dodine	whole	0.01	not set	92	–	0
epoxiconazole	whole	0.01	not set	92	–	0
etridiazole	whole	0.01	0.2	92	0	0
fenarimol	whole	0.01	not set	92	–	0
fenbuconazole	whole	0.01	not set	92	–	0
fenhexamid	whole	0.01	not set	92	–	0
fluazinam	whole	0.01	not set	92	–	0
fludioxonil	whole	0.01	0.1	92	0	0
fluquinconazole	whole	0.01	not set	92	–	0
flusilazole	whole	0.01	not set	92	–	0
flutriafol	whole	0.01	0.05	92	0	0
fluxapyroxad	whole	0.01	0.1	92	0	0
hexaconazole	whole	0.01	not set	92	–	0
imazalil	whole	0.01	not set	92	–	0
ipconazole	whole	0.01	not set	92	–	0
iprodione	whole	0.01	not set	92	–	0
isoprothiolane	whole	0.01	not set	92	–	0
kresoxim-methyl	whole	0.01	not set	92	–	0
metalaxyl	whole	0.01	not set	92	–	0
myclobutanil	whole	0.01	not set	92	–	0
oxadixyl	whole	0.01	not set	92	–	0
penconazole	whole	0.01	not set	92	–	0
penflufen	whole	0.01	not set	92	–	0
prochloraz	whole	0.01	not set	92	–	0
procymidone	whole	0.01	not set	92	–	0
propiconazole	whole	0.01	not set	92	–	0
prothioconazole	whole	0.01	0.02	92	0	0
pyraclostrobin	whole	0.01	not set	92	–	0
pyrimethanil	whole	0.01	not set	92	–	0
quinoxifen	whole	0.01	not set	92	–	0
sedaxane	whole	0.01	not set	92	–	0
spiroxamine	whole	0.01	not set	92	–	0
tebuconazole	whole	0.01	1	92	0	0
thiabendazole	whole	0.01	not set	92	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tolclofos methyl	whole	0.01	not set	92	–	0
triadimefon	whole	0.01	not set	92	–	0
triadimenol	whole	0.01	not set	92	–	0
trifloxystrobin	whole	0.01	not set	92	–	0
triticonazole	whole	0.01	not set	92	–	0
vinclozolin	whole	0.01	not set	92	–	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of sample s tested	> ½ MRL to ≤ MRL	> MRL
2,2-DPA (2,2-dichloropropionic acid)	whole	0.01	not set	92	–	0
2,4-D	whole	0.01	0.05	92	0	0
2,4-DB	whole	0.01	not set	92	–	0
acifluorfen	whole	0.01	0.1	85	0	0
ametryn	whole	0.01	not set	85	–	0
aminopyralid	whole	0.01	not set	92	–	0
amitrole	whole	0.01	0.01	17	0	0
atrazine	whole	0.01	not set	92	–	0
bentazone	whole	0.01	0.01	92	0	0
bicyclopyrone	whole	0.01	not set	85	–	0
bromacil	whole	0.01	not set	92	–	0
bromoxynil	whole	0.01	not set	92	–	0
butoxydim	whole	0.01	0.01	92	0	0
carfentrazone-ethyl	whole	0.01	not set	92	–	0
chlormequat	whole	0.01	not set	17	–	0
chlorpropham	whole	0.01	not set	92	–	0
chlorsulfuron	whole	0.01	not set	92	–	0
chlorthal-dimethyl	whole	0.01	not set	92	–	0
clethodim (parent only)	whole	0.01	0.1	92	0	0
clodinafop acid	whole	0.01	not set	85	–	0
clodinafop-propargyl	whole	0.01	not set	92	–	0
clomazone	whole	0.01	not set	85	–	0
clopyralid	whole	0.01	not set	92	–	0
cloquintocet-mexyl	whole	0.01	not set	85	–	0
cyanazine	whole	0.01	0.01	92	0	0
dicamba	whole	0.01	not set	92	–	0
dichlobenil	whole	0.01	not set	92	–	0
dichlorprop	whole	0.01	not set	17	–	0
diclofop-methyl	whole	0.01	not set	17	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of sample s tested	> ½ MRL to ≤ MRL	> MRL
diflufenican	whole	0.01	0.05	92	0	0
dimethenamid	whole	0.01	0.02	85	0	0
diquat	whole	0.01	1	17	0	0
diuron	whole	0.01	0.05	92	0	0
EPTC	whole	0.01	0.04	85	0	0
ethofumesate	whole	0.01	not set	92	–	0
fenoxaprop-ethyl	whole	0.01	not set	92	–	0
flamprop-M-methyl	whole	0.01	not set	17	–	0
florasulam	whole	0.01	not set	85	–	0
fluazifop-p-butyl	whole	0.01	0.5	17	0	0
flumetsulam	whole	0.01	0.05	92	0	0
flumioxazin	whole	0.01	0.1	92	0	0
fluroxypyr	whole	0.01	not set	92	–	0
glufosinate	whole	0.01	not set	17	–	0
glyphosate	whole	0.01	10	17	0	0
halauxifen-methyl	whole	0.01	not set	85	–	0
halosulfuron-methyl	whole	0.01	not set	85	–	0
haloxyfop	whole	0.01	0.1	17	1	4
iodosulfuron-methyl	whole	0.01	not set	92	–	0
ioxynil	whole	0.01	not set	92	–	0
isoxaben	whole	0.01	not set	92	–	0
isoxaflutole	whole	0.01	not set	85	–	0
linuron	whole	0.01	not set	92	–	0
MCPA	whole	0.01	not set	92	–	0
MCPB	whole	0.01	0.02	85	0	0
mefenpyr-diethyl	whole	0.01	not set	85	–	0
metazachlor	whole	0.01	0.03	85	0	0
methabenzthiazuron	whole	0.01	not set	92	–	0
metolachlor	whole	0.01	0.01	92	0	0
metosulam	whole	0.01	not set	92	–	0
metribuzin	whole	0.01	0.01	92	0	0
metsulfuron-methyl	whole	0.01	0.2	92	0	0
napropamide	whole	0.01	not set	92	–	0
norflurazon	whole	0.01	not set	92	–	0
oryzalin	whole	0.01	not set	92	–	0
oxyfluorfen	whole	0.01	not set	92	–	0
paraquat	whole	0.01	1	17	0	0
pendimethalin	whole	0.01	0.05	92	0	0
picloram	whole	0.01	not set	92	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
picolinafen	whole	0.01	not set	85	–	0
pinoxaden (parent)	whole	0.01	not set	85	–	0
prometryn	whole	0.01	0.1	85	0	0
propachlor	whole	0.01	not set	92	–	0
propaquizafop	whole	0.01	0.05	17	0	0
propyzamide	whole	0.01	0.01	92	0	0
prosulfocarb	whole	0.01	0.01	85	0	0
pyraflufen-ethyl	whole	0.01	0.02	85	0	0
pyrasulfotole	whole	0.01	not set	85	–	0
pyroxasulfone	whole	0.01	0.01	85	0	0
pyroxulam	whole	0.01	not set	85	–	0
quizalofop-ethyl	whole	0.01	0.2	17	0	0
quizalofop-P-tefuryl	whole	0.01	0.2	17	0	0
saflufenacil	whole	0.01	0.2	92	0	0
sethoxydim	whole	0.01	0.1	92	0	0
simazine	whole	0.01	not set	92	–	0
sulfosulfuron	whole	0.01	not set	85	–	0
terbuthylazine	whole	0.01	0.02	85	0	0
terbutryn	whole	0.01	not set	92	–	0
tralkoxydim	whole	0.01	not set	92	–	0
triallate	whole	0.01	0.1	92	0	0
triasulfuron	whole	0.01	not set	92	–	0
tribenuron-methyl	whole	0.01	0.01	85	0	0
triclopyr	whole	0.01	not set	92	–	0
trifluralin	whole	0.01	0.05	92	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	92	0	0
acephate	whole	0.01	not set	92	–	0
acetamiprid	whole	0.01	0.1	92	0	0
aldicarb	whole	0.01	not set	92	–	0
amitraz	whole	0.01	not set	92	–	0
azamethiphos	whole	0.01	not set	92	–	0
azinphos-methyl	whole	0.01	not set	92	–	0
bifenazate	whole	0.01	not set	92	–	0
bifenthrin	whole	0.01	0.02	92	0	0
bioresmethrin	whole	0.01	not set	92	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
buprofezin	whole	0.01	0.01	92	0	0
cadusafos	whole	0.01	not set	92	–	0
carbaryl	whole	0.01	0.1	92	0	0
carbofuran	whole	0.01	not set	92	–	0
chlorantraniliprole	whole	0.01	0.7	92	0	0
chlorfenapyr	whole	0.01	not set	92	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	92	–	0
chlorpyrifos	whole	0.01	not set	92	–	0
chlorpyrifos-methyl	whole	0.01	0.15	92	0	0
clofentezine	whole	0.01	not set	92	–	0
clothianidin	whole	0.01	0.1	92	0	0
cyantraniliprole	whole	0.01	0.05	85	0	0
cyfluthrin (sum of isomers)	whole	0.01	not set	92	–	0
cyhalothrin (sum of isomers)	whole	0.01	0.2	92	0	0
cypermethrin (sum of isomers)	whole	0.01	0.05	92	2	0
deltamethrin	whole	0.01	0.1	92	0	0
diafenthiuron	whole	0.01	not set	92	–	0
diazinon	whole	0.01	0.7	92	0	0
dichlorvos	whole	0.01	0.01	92	0	0
dicofol	whole	0.01	not set	92	–	0
diflubenzuron	whole	0.01	not set	92	–	0
dimethoate	whole	0.01	0.7	92	0	0
disulfoton	whole	0.01	not set	92	–	0
emamectin	whole	0.01	0.01	92	0	0
esfenvalerate	whole	0.01	0.5	8	0	0
ethion	whole	0.01	not set	92	–	0
ethoprophos	whole	0.005	not set	92	–	0
etoxazole	whole	0.01	not set	92	–	0
fenamiphos	whole	0.01	not set	92	–	0
fenbutatin oxide	whole	0.01	not set	92	–	0
fenitrothion	whole	0.01	0.1	92	0	0
fenoxycarb	whole	0.01	not set	92	–	0
fenpyroximate	whole	0.01	not set	92	–	0
fenthion	whole	0.01	not set	92	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	92	0	0
fipronil	whole	0.002	not set	92	–	0
flonicamid	whole	0.01	not set	85	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
hexythiazox	whole	0.01	not set	92	–	0
imidacloprid	whole	0.01	not set	92	–	0
indoxacarb	whole	0.01	0.2	92	0	0
malathion (maldison)	whole	0.01	8	92	0	0
methacrifos	whole	0.01	not set	92	–	0
methamidophos	whole	0.01	not set	92	–	0
methidathion	whole	0.01	not set	92	–	0
methiocarb	whole	0.01	not set	92	–	0
methomyl	whole	0.01	1	92	0	0
methoprene	whole	0.01	not set	92	–	1
methoxychlor	whole	0.01	not set	92	–	0
methoxyfenozide	whole	0.01	not set	92	–	0
mevinphos	whole	0.01	not set	92	–	0
monocrotophos	whole	0.01	not set	92	–	0
omethoate	whole	0.01	0.1	92	0	0
parathion	whole	0.01	not set	92	–	0
parathion-methyl	whole	0.01	not set	92	–	0
permethrin (sum of isomers)	whole	0.01	not set	92	–	0
phenothrin (sum of isomers)	whole	0.01	not set	92	–	0
phorate	whole	0.01	not set	92	–	0
phosmet	whole	0.01	not set	92	–	0
piperonyl butoxide	whole	0.01	8	92	0	0
pirimicarb	whole	0.01	0.02	92	0	0
pirimiphos-methyl	whole	0.01	not set	92	–	0
profenofos	whole	0.01	not set	92	–	0
propargite	whole	0.01	not set	92	–	0
prothiofos	whole	0.01	not set	92	–	0
pymetrozine	whole	0.01	not set	92	–	0
pyrethrins	whole	0.01	1	92	0	0
pyriproxyfen	whole	0.01	not set	92	–	0
spinetoram	whole	0.01	0.01	92	0	0
spinosad	whole	0.01	0.01	92	0	1
spirotetramat	whole	0.01	not set	92	–	0
sulfoxaflor	whole	0.01	0.7	92	0	0
tau-fluvalinate	whole	0.01	not set	92	–	0
tebufenozide	whole	0.01	not set	92	–	0
tebufenpyrad	whole	0.01	not set	92	–	0
terbufos	whole	0.01	not set	92	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tetradifon	whole	0.01	not set	92	–	0
thiacloprid	whole	0.01	not set	92	–	0
thiamethoxam	whole	0.01	0.1	92	0	0
thiodicarb	whole	0.01	0.1	92	0	0
triazofos	whole	0.01	not set	92	–	0
trichlorfon	whole	0.01	0.2	92	0	0
triflumuron	whole	0.01	not set	92	–	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	92	–	0
chlordane	whole	0.01	0.02	92	0	0
DDT	whole	0.01	1	92	0	0
endosulfan	whole	0.01	not set	92	–	0
endrin	whole	0.01	not set	92	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	92	–	0
HCH (BHC)	whole	0.01	not set	92	–	0
heptachlor	whole	0.01	0.05	92	0	0
lindane (gamma-HCH)	whole	0.01	2	92	0	0
mirex	whole	0.01	not set	92	–	0

Table 5 Physiological modifier

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trinexapac-ethyl	whole	0.01	not set	85	–	0