



Maize residue testing annual datasets 2014–15

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	0.01	26	0	0
benalaxyl	whole	0.01	not set	26	0	0
bitertanol	whole	0.01	not set	26	0	0
boscalid	whole	0.01	0.5	26	0	0
bupirimate	whole	0.01	not set	26	0	0
captafol	whole	0.02	not set	26	0	0
captan	whole	0.02	not set	26	0	0
carbendazim	whole	0.01	not set	26	0	0
chlorothalonil	whole	0.01	not set	26	0	0
cyproconazole	whole	0.01	not set	26	0	0
cyprodinil	whole	0.01	not set	26	0	0
difenoconazole	whole	0.01	0.01	26	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	26	0	0
dithianon	whole	0.01	not set	26	0	0
dodine	whole	0.01	not set	26	0	0
epoxiconazole	whole	0.01	0.05	26	0	0
etridiazole	whole	0.01	not set	26	0	0
fenarimol	whole	0.01	not set	26	0	0
fenhexamid	whole	0.01	not set	26	0	0
fluazinam	whole	0.01	not set	26	0	0
fludioxonil	whole	0.01	0.02	26	0	0
fluquinconazole	whole	0.01	not set	26	0	0
flusilazole	whole	0.01	not set	26	0	0
flutriafol	whole	0.01	0.02	26	0	0
fluxapyroxad	whole	0.01	0.1	26	0	0
hexaconazole	whole	0.01	not set	26	0	0
imazalil	whole	0.01	not set	26	0	0
ipconazole	whole	0.01	0.01	26	0	0
iprodione	whole	0.01	not set	26	0	0
kresoxim-methyl	whole	0.01	not set	26	0	0
metalaxyl	whole	0.01	0.01	26	0	0
myclobutanil	whole	0.01	not set	26	0	0
oxadixyl	whole	0.01	not set	26	0	0
penconazole	whole	0.01	not set	26	0	0
prochloraz	whole	0.01	not set	26	0	0
procymidone	whole	0.01	not set	26	0	0
propiconazole	whole	0.01	0.05	26	0	0
prothioconazole	whole	0.01	0.3	26	0	0
pyraclostrobin	whole	0.01	0.01	26	0	0
pyrimethanil	whole	0.01	not set	26	0	0
spiroxamine	whole	0.01	not set	26	0	0
tebuconazole	whole	0.01	0.2	26	0	0
thiabendazole	whole	0.01	not set	26	0	0
tolclofos methyl	whole	0.01	not set	26	0	0
triadimefon	whole	0.01	0.5	26	0	0
triadimenol	whole	0.01	0.01	26	0	0
trifloxystrobin	whole	0.01	not set	26	0	0
triticonazole	whole	0.01	0.05	26	0	0
vinclozolin	whole	0.01	not set	26	0	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	0.1	26	0	0
2,4-D	whole	0.01	0.2	26	0	0
amitrole	whole	0.01	0.01	5	0	0
atrazine	whole	0.01	0.1	26	0	0
bromacil	whole	0.01	not set	26	0	0
bromoxynil	whole	0.01	0.2	26	0	0
carfentrazone-ethyl	whole	0.01	0.05	26	0	0
chlorpropham	whole	0.01	not set	26	0	0
chlorsulfuron	whole	0.01	0.05	26	0	0
chlorthal-dimethyl	whole	0.01	not set	26	0	0
clethodim	whole	0.01	not set	26	0	0
clodinafop-propargyl	whole	0.01	not set	26	0	0
clopyralid	whole	0.01	2	26	0	0
cyanazine	whole	0.01	0.01	26	0	0
dicamba	whole	0.01	0.05	26	0	0
dichlobenil	whole	0.01	not set	26	0	0
dichlorprop-P	whole	0.01	not set	26	0	0
diclofop-methyl	whole	0.01	0.1	5	0	0
diflufenican	whole	0.01	not set	26	0	0
diquat	whole	0.01	0.1	5	0	0
diuron	whole	0.01	0.1	26	0	0
ethofumesate	whole	0.01	not set	26	0	0
fenoxaprop-ethyl	whole	0.01	not set	5	0	0
flamprop-M-methyl	whole	0.01	not set	5	0	0
fluazifop-p-butyl	whole	0.01	not set	5	0	0
flumetsulam	whole	0.01	0.05	5	0	0
glufosinate	whole	0.01	not set	5	0	0
glyphosate	whole	0.01	0.1	5	0	0
haloxyfop	whole	0.01	not set	5	0	0
imazamox	whole	0.01	not set	26	0	0
imazapic	whole	0.01	not set	26	0	0
imazapyr	whole	0.01	0.05	26	0	0
imazaquin	whole	0.01	not set	26	0	0
imazethapyr	whole	0.01	0.05	26	0	0
iodosulfuron-methyl	whole	0.01	not set	26	0	0
ioxynil	whole	0.01	not set	26	0	0
isoxaben	whole	0.01	not set	26	0	0
linuron	whole	0.01	0.05	26	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	26	0	0
methabenthiazuron	whole	0.01	not set	26	0	0
metolachlor	whole	0.01	0.1	26	0	0
metosulam	whole	0.01	0.02	26	0	0
metribuzin	whole	0.01	0.05	26	0	0
metsulfuron-methyl	whole	0.01	0.02	26	0	0
napropamide	whole	0.01	not set	26	0	0
norflurazon	whole	0.01	not set	26	0	0
oryzalin	whole	0.01	0.01	26	0	0
oxyfluorfen	whole	0.01	0.05	26	0	0
paraquat	whole	0.01	0.1	5	0	0
pendimethalin	whole	0.01	0.05	26	0	0
picloram	whole	0.01	0.2	26	0	0
propachlor	whole	0.01	0.05	26	0	0
quizalofop-ethyl	whole	0.01	not set	5	0	0
quizalofop-P-tefuryl	whole	0.01	not set	5	0	0
sethoxydim	whole	0.01	not set	26	0	0
simazine	whole	0.01	not set	26	0	0
tralkoxydim	whole	0.01	0.02	26	0	0
triasulfuron	whole	0.01	0.02	26	0	0
triclopyr	whole	0.01	not set	26	0	0
trifluralin	whole	0.01	0.05	26	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	0.01	26	0	0
acephate	whole	0.01	not set	26	0	0
acetamiprid	whole	0.01	not set	26	0	0
aldicarb	whole	0.01	not set	26	0	0
amitraz	whole	0.01	not set	26	0	0
azamethiphos	whole	0.01	0.1	26	0	0
azinphos-methyl	whole	0.01	not set	26	0	0
bifenazate	whole	0.01	not set	26	0	0
bifenthrin	whole	0.01	0.02	26	0	0
bioresmethrin	whole	0.01	not set	26	0	0
buprofezin	whole	0.01	not set	26	0	0
cadusafos	whole	0.01	not set	26	0	0
carbaryl	whole	0.01	5	26	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
carbofuran	whole	0.01	not set	26	0	0
chlorantraniliprole	whole	0.01	0.01	26	0	0
chlorfenapyr	whole	0.01	not set	26	0	0
chlorfenvinphos	whole	0.01	0.05	26	0	0
chlorpyrifos	whole	0.01	0.1	26	0	0
chlorpyrifos-methyl	whole	0.01	10	26	0	0
clofentezine	whole	0.01	not set	26	0	0
clothianidin	whole	0.01	0.01	26	0	0
cyfluthrin	whole	0.01	2	26	0	0
cyhalothrin	whole	0.01	0.01	26	0	0
cypermethrin	whole	0.01	1	26	0	0
deltamethrin	whole	0.01	2	26	0	0
diafenthiuron	whole	0.01	not set	26	0	0
diazinon	whole	0.01	0.1	26	0	0
dichlorvos	whole	0.01	5	26	0	0
dicofol	whole	0.01	not set	26	0	0
diflubenzuron	whole	0.01	2	26	0	0
dimethoate	whole	0.01	0.05	26	0	0
disulfoton	whole	0.01	not set	26	0	0
emamectin	whole	0.01	not set	26	0	0
endosulfan	whole	0.01	not set	26	0	0
esfenvalerate	whole	0.01	2	26	0	0
ethion	whole	0.01	not set	26	0	0
ethoprophos	whole	0.005	0.005	26	0	0
etoxazole	whole	0.01	not set	26	0	0
fenamiphos	whole	0.01	not set	26	0	0
fenbutatin oxide	whole	0.01	not set	26	0	0
fenitrothion	whole	0.01	10	26	0	0
fenoxycarb	whole	0.01	not set	26	0	0
fenpyroximate	whole	0.01	not set	26	0	0
fenthion	whole	0.01	not set	26	0	0
fenvalerate	whole	0.01	2	26	0	0
fipronil	whole	0.005	not set	26	0	0
hexythiazox	whole	0.01	not set	26	0	0
imidacloprid	whole	0.01	0.05	26	0	0
indoxacarb	whole	0.01	not set	26	0	0
malathion (maldison)	whole	0.01	8	26	0	0
methacrifos	whole	0.01	not set	26	0	0
methamidophos	whole	0.01	not set	26	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methidathion	whole	0.01	0.01	26	0	0
methiocarb	whole	0.01	not set	26	0	0
methomyl	whole	0.01	0.1	26	0	0
methoprene	whole	0.01	2	26	0	0
methoxychlor	whole	0.01	not set	26	0	0
methoxyfenozide	whole	0.01	not set	26	0	0
mevinphos	whole	0.01	not set	26	0	0
monocrotophos	whole	0.01	not set	26	0	0
omethoate	whole	0.01	0.05	26	0	0
parathion	whole	0.01	not set	26	0	0
parathion-methyl	whole	0.01	not set	26	0	0
permethrin	whole	0.01	2	26	0	0
phenothrin	whole	0.01	not set	26	0	0
phorate	whole	0.01	not set	26	0	0
phosmet	whole	0.01	0.05	26	0	0
piperonyl butoxide	whole	0.01	20	26	0	0
pirimicarb	whole	0.01	0.02	26	0	0
pirimiphos-methyl	whole	0.01	7	26	0	0
profenofos	whole	0.01	not set	26	0	0
propargite	whole	0.01	not set	26	0	0
prothiofos	whole	0.01	not set	26	0	0
pymetrozine	whole	0.01	not set	26	0	0
pyrethrins	whole	0.01	3	26	0	0
pyriproxyfen	whole	0.01	not set	26	0	0
spinetoram	whole	0.01	not set	26	0	0
spinosad	whole	0.01	1	26	0	0
spirotetramat	whole	0.01	not set	26	0	0
sulfoxaflor	whole	0.01	0.01	9	0	0
tau-fluvalinate	whole	0.01	not set	26	0	0
tebufenozide	whole	0.01	not set	26	0	0
tebufenpyrad	whole	0.01	not set	26	0	0
terbufos	whole	0.01	0.01	26	0	0
tetradifon	whole	0.01	not set	26	0	0
thiacloprid	whole	0.01	not set	26	0	0
thiamethoxam	whole	0.01	0.02	26	0	0
thiodicarb	whole	0.01	0.1	26	0	0
triazofos	whole	0.01	not set	26	0	0
trichlorfon	whole	0.01	0.1	26	0	0
triflumuron	whole	0.01	0.05	26	0	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	0.02	26	0	0
arsenic	whole	0.05	1	1	0	0
cadmium	whole	0.01	No Limit	1	0	0
chlordane	whole	0.01	0.02	26	0	0
copper	whole	0.05	No Limit	1	0	0
DDT	whole	0.01	0.1	26	0	0
endrin	whole	0.01	not set	26	0	0
HCB (hexachlorobenzene)	whole	0.01	0.05	26	0	0
HCH (or BHC)	whole	0.01	0.1	26	0	0
heptachlor	whole	0.01	0.02	26	0	0
lead	whole	0.01	0.2	1	0	0
lindane (gamma-HCH)	whole	0.01	0.5	26	0	0
mercury	whole	0.01	No Limit	1	0	0
mirex	whole	0.01	not set	26	0	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine	whole	0.005	0.1	1	0	0