Australian Government
Department of Agriculture and Water Resources

Maize residue testing annual datasets 2017–18

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

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	30	0	0
benalaxyl	whole	0.01	not set	30	–	0
bitertanol	whole	0.01	not set	30	–	0
boscalid	whole	0.01	0.5	30	0	0
bupirimate	whole	0.01	not set	30	–	0
captafol	whole	0.02	not set	30	–	0
captan	whole	0.01	not set	30	–	0
carbendazim	whole	0.01	not set	30	–	0
chlorothalonil	whole	0.01	not set	30	–	0
cyproconazole	whole	0.01	0.01	30	0	0
cyprodinil	whole	0.01	not set	30	–	0
difenoconazole	whole	0.01	0.01	30	0	0

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	30	–	0
dithianon	whole	0.01	not set	30	–	0
dodine	whole	0.01	not set	30	–	0
epoxiconazole	whole	0.01	0.05	30	0	0
etridiazole	whole	0.01	not set	30	–	0
fenarimol	whole	0.01	not set	30	–	0
fenhexamid	whole	0.01	not set	30	–	0
fluazinam	whole	0.01	not set	30	–	0
fludioxonil	whole	0.01	0.02	30	0	0
fluquinconazole	whole	0.01	not set	30	–	0
flusilazole	whole	0.01	not set	30	–	0
flutriafol	whole	0.01	0.02	30	3	0
fluxapyroxad	whole	0.01	0.1	30	0	0
hexaconazole	whole	0.01	not set	30	–	0
imazalil	whole	0.01	not set	30	–	0
ipconazole	whole	0.01	0.01	30	0	0
iprodione	whole	0.01	not set	30	–	0
kresoxim-methyl	whole	0.01	not set	30	–	0
metalaxyl	whole	0.01	0.01	30	0	0
myclobutanil	whole	0.01	not set	30	–	0
oxadixyl	whole	0.01	not set	30	–	0
penconazole	whole	0.01	not set	30	–	0
prochloraz	whole	0.01	not set	30	–	0
procymidone	whole	0.01	not set	30	–	0
propiconazole	whole	0.01	0.05	30	0	0
prothioconazole	whole	0.01	0.3	30	0	0
pyraclostrobin	whole	0.01	0.01	30	0	0
pyrimethanil	whole	0.01	not set	30	–	0
quinoxyfen	whole	0.01	not set	30	–	0
spiroxamine-P	whole	0.01	not set	30	–	0
tebuconazole	whole	0.01	0.2	30	0	0
thiabendazole	whole	0.01	not set	30	–	0
tolclofos methyl	whole	0.01	not set	30	–	0
triadimefon	whole	0.01	0.5	30	0	0
triadimenol	whole	0.01	0.01	30	0	0
trifloxystrobin	whole	0.01	not set	30	–	0
triticonazole	whole	0.01	0.05	30	0	0
vinclozolin	whole	0.01	not set	30	–	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	0.1	30	0	0
2,4-D	whole	0.01	0.2	30	0	0
amitrole	whole	0.01	0.01	5	0	0
atrazine	whole	0.01	0.1	30	0	0
bromacil	whole	0.01	not set	30	–	0
bromoxynil	whole	0.01	0.2	30	0	0
carfentrazone-ethyl	whole	0.01	0.05	30	0	0
chlorpropham	whole	0.01	not set	30	–	0
chlorsulfuron	whole	0.01	0.05	30	0	0
chlorthal-dimethyl	whole	0.01	not set	30	–	0
clethodim (parent only)	whole	0.01	not set	30	–	0
clodinafop-propargyl	whole	0.01	not set	30	–	0
clopyralid	whole	0.01	2	30	0	0
cyanazine	whole	0.01	0.01	30	0	0
dicamba	whole	0.01	0.05	30	0	0
dichlobenil	whole	0.01	not set	30	–	0
dichlorprop-P	whole	0.01	not set	30	–	0
diclofop-methyl	whole	0.01	0.1	5	0	0
diflufenican	whole	0.01	not set	30	–	0
diquat	whole	0.01	0.1	5	0	0
diuron	whole	0.01	0.1	30	0	0
ethofumesate	whole	0.01	not set	30	–	0
fenoxaprop-ethyl	whole	0.01	not set	5	–	0
flamprop-M-methyl	whole	0.01	not set	5	–	0
fluazifop-p-butyl	whole	0.01	not set	5	–	0
flumetsulam	whole	0.01	0.05	30	0	0
glufosinate	whole	0.01	not set	5	–	0
glyphosate	whole	0.01	0.1	5	0	0
haloxyfop	whole	0.01	not set	5	–	0
imazamox	whole	0.01	not set	30	–	0
imazapic	whole	0.01	not set	30	–	0
imazapyr	whole	0.01	0.05	30	0	0
imazaquin	whole	0.01	not set	30	–	0
imazethapyr	whole	0.01	0.05	30	0	0
iodosulfuron-methyl	whole	0.01	not set	30	–	0
ioxynil	whole	0.01	not set	30	–	0
isoxaben	whole	0.01	not set	30	–	0
linuron	whole	0.01	0.05	30	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	30	0	0
methabenzthiazuron	whole	0.01	not set	30	–	0
metolachlor	whole	0.01	0.1	30	0	0
metosulam	whole	0.01	0.02	30	0	0
metribuzin	whole	0.01	0.05	30	0	0
metsulfuron-methyl	whole	0.01	0.02	30	0	0
napropamide	whole	0.01	not set	30	–	0
norflurazon	whole	0.01	not set	30	–	0
oryzalin	whole	0.01	0.01	30	0	0
oxyfluorfen	whole	0.01	0.05	30	0	0
paraquat	whole	0.01	0.1	5	0	0
pendimethalin	whole	0.01	0.05	30	0	0
picloram	whole	0.01	0.2	30	0	0
propachlor	whole	0.01	0.05	30	0	0
propyzamide	whole	0.01	not set	30	–	0
quizalofop-ethyl	whole	0.01	not set	5	–	0
quizalofop-P-tefuryl	whole	0.01	not set	5	–	0
saflufenacil	whole	0.01	0.03	30	0	0
sethoxydim	whole	0.01	not set	30	–	0
simazine	whole	0.01	not set	30	–	0
tralkoxydim	whole	0.01	0.02	30	0	0
triasulfuron	whole	0.01	0.02	30	0	0
triclopyr	whole	0.01	not set	30	–	0
trifluralin	whole	0.01	0.05	30	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	0.01	30	0	0
acephate	whole	0.01	not set	30	–	0
acetamiprid	whole	0.01	not set	30	–	0
aldicarb	whole	0.01	not set	30	–	0
amitraz	whole	0.01	not set	30	–	0
azamethiphos	whole	0.01	0.1	30	0	0
azinphos-methyl	whole	0.01	not set	30	–	0
bifenazate	whole	0.01	not set	30	–	0
bifenthrin	whole	0.01	0.02	30	0	0
bioresmethrin	whole	0.01	not set	30	–	0
buprofezin	whole	0.01	not set	30	–	0

cadusafos	whole	0.01	not set	30	–	0
carbaryl	whole	0.01	5	30	0	0
carbofuran	whole	0.01	not set	30	–	0
chlorantraniliprole	whole	0.01	0.01	30	0	0
chlorfenapyr	whole	0.01	not set	30	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	0.05	30	0	0
chlorpyrifos	whole	0.01	0.1	30	0	0
chlorpyrifos-methyl	whole	0.01	10	30	0	0
clofentezine	whole	0.01	not set	30	–	0
clothianidin	whole	0.01	0.01	30	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	30	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.01	30	0	0
cypermethrin (sum of isomers)	whole	0.01	1	30	0	0
deltamethrin	whole	0.01	2	30	0	0
diafenthiuron	whole	0.01	not set	30	–	0
diazinon	whole	0.01	0.1	30	0	0
dichlorvos	whole	0.01	0.01	30	0	0
dicofol	whole	0.01	not set	30	–	0
diflubenzuron	whole	0.01	not set	30	–	0
dimethoate	whole	0.01	0.05	30	0	0
disulfoton	whole	0.01	not set	30	–	0
emamectin	whole	0.01	not set	30	–	0
esfenvalerate	whole	0.01	2	30	0	0
ethion	whole	0.01	not set	30	–	0
ethoprophos	whole	0.005	0.005	30	0	0
etoxazole	whole	0.01	0.01	30	0	0
fenamiphos	whole	0.01	not set	30	–	0
fenbutatin oxide	whole	0.01	not set	30	–	0
fenitrothion	whole	0.01	10	30	0	0
fenoxycarb	whole	0.01	not set	30	–	0
fenpyroximate	whole	0.01	not set	30	–	0
fenthion	whole	0.01	not set	30	–	0
fenvalerate (sum of isomers)	whole	0.01	2	30	0	0
fipronil	whole	0.002	not set	30	–	0
hexythiazox	whole	0.01	not set	30	–	0
imidacloprid	whole	0.01	0.05	30	0	0
indoxacarb	whole	0.01	not set	30	–	0
malathion (maldison)	whole	0.01	8	30	0	0
methacrifos	whole	0.01	not set	30	–	0

methamidophos	whole	0.01	not set	30	–	0
methidathion	whole	0.01	0.01	30	0	0
methiocarb	whole	0.01	not set	30	–	0
methomyl	whole	0.01	0.1	30	0	0
methoprene	whole	0.01	2	30	0	0
methoxychlor	whole	0.01	not set	30	–	0
methoxyfenozide	whole	0.01	not set	30	–	0
mevinphos	whole	0.01	not set	30	–	0
monocrotophos	whole	0.01	not set	30	–	0
omethoate	whole	0.01	0.05	30	0	0
parathion	whole	0.01	not set	30	–	0
parathion-methyl	whole	0.01	not set	30	–	0
permethrin (sum of isomers)	whole	0.01	2	30	0	0
phenothrin (sum of isomers)	whole	0.01	not set	30	–	0
phorate	whole	0.01	not set	30	–	0
phosmet	whole	0.01	0.05	30	0	0
piperonyl butoxide	whole	0.01	20	30	0	0
pirimicarb	whole	0.01	0.02	30	0	0
pirimiphos-methyl	whole	0.01	7	30	0	0
profenofos	whole	0.01	not set	30	–	0
propargite	whole	0.01	not set	30	–	0
prothiofos	whole	0.01	not set	30	–	0
pymetrozine	whole	0.01	not set	30	–	0
pyrethrins	whole	0.01	3	30	0	0
pyriproxyfen	whole	0.01	not set	30	–	0
spinetoram	whole	0.01	not set	30	–	0
spinosad	whole	0.01	1	30	0	0
spirotetramat	whole	0.01	0.02	30	0	0
sulfoxaflor	whole	0.01	0.01	30	0	0
tau-fluvalinate	whole	0.01	not set	30	–	0
tebufenozide	whole	0.01	not set	30	–	0
tebufenpyrad	whole	0.01	not set	30	–	0
terbufos	whole	0.01	0.01	30	0	0
tetradifon	whole	0.01	not set	30	–	0
thiacloprid	whole	0.01	not set	30	–	0
thiamethoxam	whole	0.01	0.02	30	0	0
thiodicarb	whole	0.01	0.1	30	0	0
triazofos	whole	0.01	not set	30	–	0
trichlorfon	whole	0.01	0.1	30	0	0
triflumuron	whole	0.01	0.05	30	0	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	0.02	30	0	0
chlordane	whole	0.01	0.02	30	0	0
DDT	whole	0.01	0.1	30	0	0
endosulfan	whole	0.01	not set	30	–	0
endrin	whole	0.01	not set	30	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	30	0	0
HCH (BHC)	whole	0.01	0.1	30	0	0
heptachlor	whole	0.01	0.02	30	0	0
lindane (gamma-HCH)	whole	0.01	0.5	30	0	0
mirex	whole	0.01	not set	30	–	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	0.1	5	0	0