Australian Government
Department of Agriculture and Water Resources

Maize 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

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	24	0	0
benalaxyl	whole	0.01	not set	24	–	0
bitertanol	whole	0.01	not set	24	–	0
boscalid	whole	0.01	0.5	24	0	0
bupirimate	whole	0.01	not set	24	–	0
captafol	whole	0.02	not set	24	–	0
captan	whole	0.02	not set	24	–	0
carbendazim	whole	0.01	not set	24	–	0
chlorothalonil	whole	0.01	not set	24	–	0
cyproconazole	whole	0.01	0.01	24	0	0
cyprodinil	whole	0.01	not set	24	–	0
difenoconazole	whole	0.01	0.01	24	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	24	–	0
dithianon	whole	0.01	not set	24	–	0
dodine	whole	0.01	not set	24	–	0
epoxiconazole	whole	0.01	0.05	24	0	0
etridiazole	whole	0.01	not set	24	–	0
fenarimol	whole	0.01	not set	24	–	0
fenhexamid	whole	0.01	not set	24	–	0
fluazinam	whole	0.01	not set	24	–	0
fludioxonil	whole	0.01	0.02	24	0	0
fluquinconazole	whole	0.01	not set	24	–	0
flusilazole	whole	0.01	not set	24	–	0
flutriafol	whole	0.01	0.02	24	0	0
fluxapyroxad	whole	0.01	0.1	24	0	0
hexaconazole	whole	0.01	not set	24	–	0
imazalil	whole	0.01	not set	24	–	0
ipconazole	whole	0.01	0.01	24	0	0
iprodione	whole	0.01	not set	24	–	0
kresoxim–methyl	whole	0.01	not set	24	–	0
metalaxyl	whole	0.01	0.01	24	0	0
myclobutanil	whole	0.01	not set	24	–	0
oxadixyl	whole	0.01	not set	24	–	0
penconazole	whole	0.01	not set	24	–	0
prochloraz	whole	0.01	not set	24	–	0
procymidone	whole	0.01	not set	24	–	0
propiconazole	whole	0.01	0.05	24	0	0
prothioconazole	whole	0.01	0.3	24	0	0
pyraclostrobin	whole	0.01	0.01	24	0	0
pyrimethanil	whole	0.01	not set	24	–	0
quinoxyfen	whole	0.01	not set	5	–	0
spiroxamine	whole	0.01	not set	24	–	0
tebuconazole	whole	0.01	0.2	24	0	0
thiabendazole	whole	0.01	not set	24	–	0
tolclofos methyl	whole	0.01	not set	24	–	0
triadimefon	whole	0.01	0.5	24	0	0
triadimenol	whole	0.01	0.01	24	0	0
trifloxystrobin	whole	0.01	not set	24	–	0
triticonazole	whole	0.01	0.05	24	0	0
vinclozolin	whole	0.01	not set	24	–	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	24	0	0
2,4–D	whole	0.01	0.2	24	0	0
amitrole	whole	0.01	0.01	4	0	0
atrazine	whole	0.01	0.1	24	0	0
bromacil	whole	0.01	not set	24	–	0
bromoxynil	whole	0.01	0.2	24	0	0
carfentrazone–ethyl	whole	0.01	0.05	24	0	0
chlorpropham	whole	0.01	not set	24	–	0
chlorsulfuron	whole	0.01	0.05	24	0	0
chlorthal–dimethyl	whole	0.01	not set	24	–	0
clethodim	whole	0.01	not set	24	–	0
clodinafop–propargyl	whole	0.01	not set	24	–	0
clopyralid	whole	0.01	2	24	0	0
cyanazine	whole	0.01	0.01	24	0	0
dicamba	whole	0.01	0.05	24	0	0
dichlobenil	whole	0.01	not set	24	–	0
dichlorprop–P	whole	0.01	not set	24	–	0
diclofop–methyl	whole	0.01	0.1	4	0	0
diflufenican	whole	0.01	not set	24	–	0
diquat	whole	0.01	0.1	4	0	0
diuron	whole	0.01	0.1	24	0	0
ethofumesate	whole	0.01	not set	24	–	0
fenoxaprop–ethyl	whole	0.01	not set	4	–	0
flamprop–M–methyl	whole	0.01	not set	4	–	0
fluazifop–p–butyl	whole	0.01	not set	4	–	0
flumetsulam	whole	0.01	0.05	24	0	0
glufosinate	whole	0.01	not set	4	–	0
glyphosate	whole	0.01	0.1	4	0	0
haloxyfop	whole	0.01	not set	4	–	0
imazamox	whole	0.01	not set	24	–	0
imazapic	whole	0.01	not set	24	–	0
imazapyr	whole	0.01	0.05	24	0	0
imazaquin	whole	0.01	not set	24	–	0
imazethapyr	whole	0.01	0.05	24	0	0
iodosulfuron–methyl	whole	0.01	not set	24	–	0
ioxynil	whole	0.01	not set	24	–	0
isoxaben	whole	0.01	not set	24	–	0
linuron	whole	0.01	0.05	24	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	24	0	0
methabenthiazuron	whole	0.01	not set	24	–	0
metolachlor	whole	0.01	0.1	24	0	0
metosulam	whole	0.01	0.02	24	0	0
metribuzin	whole	0.01	0.05	24	0	0
metsulfuron–methyl	whole	0.01	0.02	24	0	0
napropamide	whole	0.01	not set	24	–	0
norflurazon	whole	0.01	not set	24	–	0
oryzalin	whole	0.01	0.01	24	0	0
oxyfluorfen	whole	0.01	0.05	24	0	0
paraquat	whole	0.01	0.1	4	0	0
pendimethalin	whole	0.01	0.05	24	0	0
picloram	whole	0.01	0.2	24	0	0
propachlor	whole	0.01	0.05	24	0	0
propyzamide	whole	0.01	not set	10	–	0
quizalofop–ethyl	whole	0.01	not set	4	–	0
quizalofop–P–tefuryl	whole	0.01	not set	4	–	0
saflufenacil	whole	0.01	0.03	10	0	0
sethoxydim	whole	0.01	not set	24	–	0
simazine	whole	0.01	not set	24	–	0
tralkoxydim	whole	0.01	0.02	24	0	0
triasulfuron	whole	0.01	0.02	24	0	0
triclopyr	whole	0.01	not set	24	–	0
trifluralin	whole	0.01	0.05	24	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	24	0	0
acephate	whole	0.01	not set	24	–	0
acetamiprid	whole	0.01	not set	24	–	0
aldicarb	whole	0.01	not set	24	–	0
amitraz	whole	0.01	not set	24	–	0
azamethiphos	whole	0.01	0.1	24	0	0
azinphos–methyl	whole	0.01	not set	24	–	0
bifenazate	whole	0.01	not set	24	–	0
bifenthrin	whole	0.01	0.02	24	0	0
bioresmethrin	whole	0.01	not set	24	–	0
buprofezin	whole	0.01	not set	24	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	24	–	0
carbaryl	whole	0.01	5	24	0	0
carbofuran	whole	0.01	not set	24	–	0
chlorantraniliprole	whole	0.01	0.01	24	0	0
chlorfenapyr	whole	0.01	not set	24	–	0
chlorfenvinphos	whole	0.01	0.05	24	0	0
chlorpyrifos	whole	0.01	0.1	24	0	0
chlorpyrifos–methyl	whole	0.01	10	24	0	0
clofentezine	whole	0.01	not set	24	–	0
clothianidin	whole	0.01	0.01	24	0	0
cyfluthrin	whole	0.01	2	24	0	0
cyhalothrin	whole	0.01	0.01	24	0	0
cypermethrin	whole	0.01	1	24	0	0
deltamethrin	whole	0.01	2	24	0	0
diafenthiuron	whole	0.01	not set	24	–	0
diazinon	whole	0.01	0.1	24	0	0
dichlorvos	whole	0.01	0.01	24	0	0
dicofol	whole	0.01	not set	24	–	0
diflubenzuron	whole	0.01	2	24	0	0
dimethoate	whole	0.01	0.05	24	0	0
disulfoton	whole	0.01	not set	24	–	0
emamectin	whole	0.01	not set	24	–	0
endosulfan	whole	0.01	not set	24	–	0
esfenvalerate	whole	0.01	2	24	0	0
ethion	whole	0.01	not set	24	–	0
ethoprophos	whole	0.005	0.005	24	0	0
etoxazole	whole	0.01	0.01	24	0	0
fenamiphos	whole	0.01	not set	24	–	0
fenbutatin oxide	whole	0.01	not set	24	–	0
fenitrothion	whole	0.01	10	24	0	0
fenoxycarb	whole	0.01	not set	24	–	0
fenpyroximate	whole	0.01	not set	24	–	0
fenthion	whole	0.01	not set	24	–	0
fenvalerate	whole	0.01	2	24	0	0
fipronil	whole	0.005	not set	24	–	0
hexythiazox	whole	0.01	not set	24	–	0
imidacloprid	whole	0.01	0.05	24	0	0
indoxacarb	whole	0.01	not set	24	–	0
malathion (maldison)	whole	0.01	8	24	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methacrifos	whole	0.01	not set	24	–	0
methamidophos	whole	0.01	not set	24	–	0
methidathion	whole	0.01	0.01	24	0	0
methiocarb	whole	0.01	not set	24	–	0
methomyl	whole	0.01	0.1	24	0	0
methoprene	whole	0.01	2	24	0	0
methoxychlor	whole	0.01	not set	24	–	0
methoxyfenozide	whole	0.01	not set	24	–	0
mevinphos	whole	0.01	not set	24	–	0
monocrotophos	whole	0.01	not set	24	–	0
omethoate	whole	0.01	0.05	24	0	0
parathion	whole	0.01	not set	24	–	0
parathion–methyl	whole	0.01	not set	24	–	0
permethrin	whole	0.01	2	24	0	0
phenothrin	whole	0.01	not set	24	–	0
phorate	whole	0.01	not set	24	–	0
phosmet	whole	0.01	0.05	24	0	0
piperonyl butoxide	whole	0.01	20	24	0	0
pirimicarb	whole	0.01	0.02	24	0	0
pirimiphos–methyl	whole	0.01	7	24	0	0
profenofos	whole	0.01	not set	24	–	0
propargite	whole	0.01	not set	24	–	0
prothiofos	whole	0.01	not set	24	–	0
pymetrozine	whole	0.01	not set	24	–	0
pyrethrins	whole	0.01	3	24	0	0
pyriproxyfen	whole	0.01	not set	24	–	0
spinetoram	whole	0.01	not set	24	–	0
spinosad	whole	0.01	1	24	0	0
spirotetramat	whole	0.01	not set	24	–	0
sulfoxaflor	whole	0.01	0.01	24	0	0
tau–fluvalinate	whole	0.01	not set	24	–	0
tebufenozide	whole	0.01	not set	24	–	0
tebufenpyrad	whole	0.01	not set	24	–	0
terbufos	whole	0.01	0.01	24	0	0
tetradifon	whole	0.01	not set	24	–	0
thiacloprid	whole	0.01	not set	24	–	0
thiamethoxam	whole	0.01	0.02	24	0	0
thiodicarb	whole	0.01	0.1	24	0	0
triazofos	whole	0.01	not set	24	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.1	24	0	0
triflumuron	whole	0.01	0.05	24	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

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