



Maize residue testing annual datasets 2023-24

National Residue Survey (NRS), Department of Agriculture, Fisheries and Forestry

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, retina 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: CONTAMINANTS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	Whole	0.01	0.02	24	0	0
chlordane	Whole	0.01	0.02	24	0	0
DDT	Whole	0.01	0.1	24	0	0
endosulfan	Whole	0.01	not set	24	-	-
endrin	Whole	0.01	not set	24	-	-
HCB (hexachlorobenzene)	Whole	0.01	0.05	24	0	0
HCH (BHC)	Whole	0.01	0.1	24	0	0
heptachlor	Whole	0.01	0.02	24	0	0
lindane (gamma-HCH)	Whole	0.01	0.5	24	0	0
mirex	Whole	0.01	not set	24	-	-

Table 2: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
azoxystrobin	Whole	0.01	0.01	24	0	0
benalaxyl	Whole	0.01	not set	24	-	-
benzovindiflupyr	Whole	0.01	not set	24	-	-
bitertanol	Whole	0.01	not set	24	-	-
bixafen	Whole	0.01	0.01	24	0	0
boscalid	Whole	0.01	0.5	24	0	0
bupirimate	Whole	0.01	not set	24	-	-
captafol	Whole	0.01	not set	24	-	-
captan	Whole	0.01	not set	24	-	-
carbendazim	Whole	0.01	not set	24	-	-
carboxin	Whole	0.01	0.1	24	0	0
carboxin sulfoxide	Whole	0.01	not set	24	-	-
chlorothalonil	Whole	0.01	not set	24	-	-
cyproconazole	Whole	0.01	0.01	24	0	0
cyprodinil	Whole	0.01	not set	24	-	-
difenoconazole	Whole	0.01	0.01	24	0	0
dimethomorph	Whole	0.01	not set	24	-	-
dithianon	Whole	0.01	not set	24	-	-
dodine	Whole	0.01	not set	24	-	-
epoxiconazole	Whole	0.01	0.05	24	0	0
etridiazole	Whole	0.01	not set	24	-	-
fenarimol	Whole	0.01	not set	24	-	-
fenbuconazole	Whole	0.01	not set	24	-	-
fenhexamid	Whole	0.01	not set	24	-	-
florylpicoxamid	Whole	0.01	not set	12	-	-
fluazinam	Whole	0.01	not set	24	-	-
fludioxonil	Whole	0.01	0.02	24	0	0
fluopicolide	Whole	0.01	0.01	24	0	0
fluopyram	Whole	0.01	0.03	24	0	0
fluquinconazole	Whole	0.01	not set	24	-	-
flusilazole	Whole	0.01	not set	24	-	-
flutriafol	Whole	0.01	0.1	24	0	0
fluxapyroxad	Whole	0.01	0.1	24	0	0
hexaconazole	Whole	0.01	not set	24	-	-
imazalil	Whole	0.01	not set	24	-	-
ipconazole	Whole	0.01	0.01	24	0	0
iprodione	Whole	0.01	not set	24	-	-
isoprothiolane	Whole	0.01	not set	24	-	-
isopyrazam	Whole	0.01	not set	24	-	-

kresoxim-methyl	Whole	0.01	not set	24	-	-
metalaxyl	Whole	0.01	0.01	24	0	0
myclobutanil	Whole	0.01	not set	24	-	-
oxadixyl	Whole	0.01	not set	24	-	-
penconazole	Whole	0.01	not set	24	-	-
penflufen	Whole	0.01	0.01	24	0	0
prochloraz	Whole	0.01	not set	24	-	-
procymidone	Whole	0.01	not set	24	-	-
propiconazole	Whole	0.01	0.05	24	0	0
prothioconazole	Whole	0.01	0.3	24	0	0
pydiflumetofen	Whole	0.01	0.05	24	0	0
pyraclostrobin	Whole	0.01	0.01	24	0	0
pyrimethanil	Whole	0.01	not set	24	-	-
quinoxifen	Whole	0.01	not set	24	-	-
quintozene	Whole	0.01	not set	24	-	-
sedaxane	Whole	0.01	0.01	24	0	0
spiroxamine	Whole	0.01	not set	24	-	-
tebuconazole	Whole	0.01	0.2	24	0	0
thiabendazole	Whole	0.01	not set	24	-	-
tolclofos methyl	Whole	0.01	not set	24	-	-
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	-	-
triticonazole	Whole	0.01	0.05	24	0	0
uniconazole-P	Whole	0.01	not set	24	-	-
vinclozolin	Whole	0.01	not set	24	-	-

Table 3: HERBICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL 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
2,4-DB	Whole	0.01	0.02	24	0	0
acifluorfen	Whole	0.01	not set	24	-	-
aclonifen	Whole	0.01	not set	12	-	-
ametryn	Whole	0.01	not set	24	-	-
aminopyralid	Whole	0.01	0.1	24	0	0
amitrole	Whole	0.01	0.01	2	0	0
atrazine	Whole	0.01	0.1	24	0	0
bentazone	Whole	0.01	not set	24	-	-

bicyclopyrone	Whole	0.01	not set	24	-	-
bixlozone	Whole	0.01	not set	24	-	-
bromacil	Whole	0.01	not set	24	-	-
bromoxynil	Whole	0.01	0.2	24	0	0
butafenacil	Whole	0.01	0.02	24	0	0
butoxydim	Whole	0.01	not set	24	-	-
carfentrazone-ethyl	Whole	0.01	0.05	24	0	0
chlormequat	Whole	0.01	not set	2	-	-
chlorpropham	Whole	0.01	not set	24	-	-
chlorsulfuron	Whole	0.01	0.05	24	0	0
chlorthal-dimethyl	Whole	0.01	not set	24	-	-
cinmethylin	Whole	0.01	not set	24	-	-
clethodim	Whole	0.01	not set	24	-	-
clodinafop acid	Whole	0.01	not set	24	-	-
clodinafop-propargyl	Whole	0.01	not set	24	-	-
clomazone	Whole	0.01	not set	24	-	-
clopyralid	Whole	0.01	2	24	0	0
cloquintocet-mexyl	Whole	0.01	0.1	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	-	-
dichlorprop-P	Whole	0.01	not set	2	-	-
diclofop-methyl	Whole	0.01	0.1	2	0	0
diflufenican	Whole	0.01	not set	24	-	-
dimethenamid-P	Whole	0.01	0.02	24	0	0
diquat	Whole	0.01	0.1	2	0	0
diuron	Whole	0.01	0.1	24	0	0
EPTC	Whole	0.01	0.04	24	0	0
ethofumesate	Whole	0.01	not set	24	-	-
fenoxaprop-ethyl	Whole	0.01	not set	24	-	-
flamprop-M-methyl	Whole	0.01	not set	2	-	-
florasulam	Whole	0.01	0.01	24	0	0
florpyrauxifen-benzyl	Whole		not set	24	-	-
fluazifop-p-butyl	Whole	0.01	not set	2	-	-
flumetsulam	Whole	0.01	0.05	24	0	0
flumioxazin	Whole	0.01	0.05	24	0	0
fluroxypyr	Whole	0.01	0.2	24	0	0
fomesafen	Whole	0.01	not set	24	-	-
glufosinate	Whole	0.01	0.1	2	0	0
glyphosate	Whole	0.01	2	2	0	0
halauxifen-methyl	Whole	0.01	0.01	24	0	0
halosulfuron-methyl	Whole	0.01	0.05	24	0	0

haloxyfop	Whole	0.005	not set	2	-	-
iodosulfuron-methyl	Whole	0.01	not set	24	-	-
ioxynil	Whole	0.01	not set	24	-	-
isoxaben	Whole	0.01	not set	24	-	-
isoxaflutole	Whole	0.01	0.02	24	0	0
linuron	Whole	0.01	0.05	24	0	0
MCPA	Whole	0.01	0.02	24	0	0
MCPB	Whole	0.01	0.02	24	0	0
mefenpyr-diethyl	Whole	0.01	0.01	24	0	0
mesotrione	Whole	0.01	not set	24	-	-
metamitron	Whole	0.01	not set	24	-	-
metazachlor	Whole	0.01	0.03	24	0	0
methabenzthiazuron	Whole	0.01	not set	24	-	-
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	-	-
norflurazon	Whole	0.01	not set	24	-	-
oryzalin	Whole	0.01	0.01	24	0	0
oxyfluorfen	Whole	0.01	0.05	24	0	0
paraquat	Whole	0.01	0.1	2	0	0
pendimethalin	Whole	0.01	0.05	24	0	0
picloram	Whole	0.01	0.2	24	0	0
picolinafen	Whole	0.01	0.02	24	0	0
pinoxaden (parent)	Whole	0.01	not set	24	-	-
prometryn	Whole	0.01	0.1	24	0	0
propachlor	Whole	0.01	0.05	24	0	0
propaquizafop	Whole	0.01	not set	2	-	-
propyzamide	Whole	0.01	not set	24	-	-
prosulfocarb	Whole	0.01	not set	24	-	-
pyraflufen-ethyl	Whole	0.01	0.02	24	0	0
pyrasulfotole	Whole	0.01	0.02	24	0	0
pyroxasulfone	Whole	0.01	0.01	24	0	0
pyroxsulam	Whole	0.01	not set	24	-	-
quizalofop-ethyl	Whole	0.01	not set	2	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	2	-	-
saflufenacil	Whole	0.01	0.2	24	0	0
sethoxydim	Whole	0.01	not set	24	-	-
simazine	Whole	0.01	not set	24	-	-
sulfosulfuron	Whole	0.01	not set	24	-	-
terbuthylazine	Whole	0.01	0.01	24	0	0

terbutryn	Whole	0.01	0.1	24	0	0
tiafenacil	Whole	0.01	0.01	24	0	0
topramezone	Whole	0.01	not set	24	-	-
tralkoxydim	Whole	0.01	0.02	24	0	0
triallate	Whole	0.01	0.05	24	0	0
triasulfuron	Whole	0.01	0.02	24	0	0
tribenuron-methyl	Whole	0.01	0.05	24	0	0
triclopyr	Whole	0.01	not set	24	-	-
trifludimoxazin	Whole	0.01	not set	24	-	-
trifluralin	Whole	0.01	0.05	24	0	0

Table 4: INSECTICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
abamectin	Whole	0.01	0.01	24	0	0
acephate	Whole	0.01	not set	24	-	-
acetamiprid	Whole	0.01	not set	24	-	-
aldicarb	Whole	0.01	not set	24	-	-
amitraz	Whole	0.01	not set	24	-	-
azamethiphos	Whole	0.01	0.1	24	0	0
azinphos-methyl	Whole	0.01	not set	24	-	-
bifenazate	Whole	0.01	not set	24	-	-
bifenthrin	Whole	0.01	0.02	24	0	0
bioresmethrin	Whole	0.01	not set	24	-	-
buprofezin	Whole	0.01	0.01	24	0	0
cadusafos	Whole	0.01	not set	24	-	-
carbaryl	Whole	0.01	5	24	0	0
carbofuran	Whole	0.01	not set	24	-	-
chlorantraniliprole	Whole	0.01	0.01	24	0	0
chlorfenapyr	Whole	0.01	not set	24	-	-
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	-	-
clothianidin	Whole	0.01	0.01	24	0	0
cyantraniliprole	Whole	0.01	0.01	24	0	0
cyfluthrin	Whole	0.01	not set	24	-	-
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	-	-

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	-	-
diflubenzuron	Whole	0.01	not set	24	-	-
dimethoate	Whole	0.01	0.5	24	0	0
dinotefuran	Whole	0.01	not set	24	-	-
disulfoton	Whole	0.01	not set	24	-	-
emamectin	Whole	0.01	0.01	24	0	0
ethion	Whole	0.01	not set	24	-	-
ethoprophos	Whole	0.005	not set	24	-	-
etoxazole	Whole	0.01	0.01	24	0	0
fenamiphos	Whole	0.01	not set	24	-	-
fenbutatin oxide	Whole	0.01	not set	24	-	-
fenitrothion	Whole	0.01	10	24	0	0
fenoxycarb	Whole	0.01	not set	24	-	-
fenpyroximate	Whole	0.01	not set	24	-	-
fenthion	Whole	0.01	not set	24	-	-
fenvaleate	Whole	0.01	2	24	0	0
fipronil	Whole	0.002	not set	24	-	-
flonicamid	Whole	0.01	not set	24	-	-
fluensulfone	Whole	0.01	0.05	24	0	0
flupyradifurone	Whole	0.01	0.2	24	0	0
hexythiazox	Whole	0.01	not set	24	-	-
imidacloprid	Whole	0.01	0.05	24	0	0
indoxacarb	Whole	0.01	0.01	24	0	0
malathion	Whole	0.01	8	24	0	0
methacrifos	Whole	0.01	not set	24	-	-
methamidophos	Whole	0.01	not set	24	-	-
methidathion	Whole	0.01	not set	24	-	-
methiocarb	Whole	0.01	not set	24	-	-
methomyl	Whole	0.01	0.1	24	0	0
methoprene	Whole	0.01	2	24	0	0
methoxychlor	Whole	0.01	not set	24	-	-
methoxyfenozide	Whole	0.01	0.02	24	0	0
mevinphos	Whole	0.01	not set	24	-	-
monocrotophos	Whole	0.01	not set	24	-	-
omethoate	Whole	0.01	0.05	24	0	0
parathion	Whole	0.01	not set	24	-	-
parathion-methyl	Whole	0.01	not set	24	-	-
permethrin	Whole	0.01	2	24	0	0
phenothrin	Whole	0.01	not set	24	-	-
phorate	Whole	0.01	not set	24	-	-

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	-	-
propargite	Whole	0.01	not set	24	-	-
prothiofos	Whole	0.01	not set	24	-	-
pymetrozine	Whole	0.01	not set	24	-	-
pyrethrins	Whole	0.01	3	24	0	0
pyriproxyfen	Whole	0.01	not set	24	-	-
spinetoram	Whole	0.01	0.01	24	0	0
spinosad	Whole	0.01	1	24	0	0
spirotetramat	Whole	0.01	0.02	24	0	0
sulfoxaflor	Whole	0.01	0.01	24	0	0
tau-fluvalinate	Whole	0.01	not set	24	-	-
tebufenozide	Whole	0.01	not set	24	-	-
tebufenpyrad	Whole	0.01	not set	24	-	-
terbufos	Whole	0.01	0.01	24	0	0
tetradifon	Whole	0.01	not set	24	-	-
tetraniliprole	Whole	0.01	0.02	12	0	0
thiacloprid	Whole	0.01	not set	24	-	-
thiamethoxam	Whole	0.01	0.02	24	1	0
thiodicarb	Whole	0.01	0.1	24	0	0
triazofos	Whole	0.01	not set	24	-	-
trichlorfon	Whole	0.01	0.1	24	0	0
triflumuron	Whole	0.01	0.05	24	0	0

Table 5: PHYSIOLOGICAL MODIFIER

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
forchlorfenuron	Whole	0.01	not set	24	-	-
prohexadione-calcium	Whole	0.01	not set	24	-	-
trinexapac-ethyl	Whole	0.01	0.2	24	0	0