



Sorghum residue testing annual datasets 2019–20

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	not set	38	–	0
benalaxyl	whole	0.01	not set	38	–	0
bitertanol	whole	0.01	not set	38	–	0
bixafen	whole	0.01	0.01	38	0	0
boscalid	whole	0.01	0.5	38	0	0
bupirimate	whole	0.01	not set	38	–	0
captafol	whole	0.02	not set	38	–	0
captan	whole	0.01	not set	38	–	0
carbendazim	whole	0.01	not set	38	–	0
carboxin	whole	0.01	0.1	38	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorothalonil	whole	0.01	not set	38	–	0
cyproconazole	whole	0.01	not set	38	–	0
cyprodinil	whole	0.01	not set	38	–	0
difenoconazole	whole	0.01	0.01	38	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	38	–	0
dithianon	whole	0.01	not set	38	–	0
dodine	whole	0.01	not set	38	–	0
epoxiconazole	whole	0.01	0.05	38	0	0
etridiazole	whole	0.01	not set	38	–	0
fenarimol	whole	0.01	not set	38	–	0
fenbuconazole	whole	0.01	not set	38	–	0
fenhexamid	whole	0.01	not set	38	–	0
fluazinam	whole	0.01	not set	38	–	0
fludioxonil	whole	0.01	0.01	38	0	0
fluquinconazole	whole	0.01	not set	38	–	0
flusilazole	whole	0.01	not set	38	–	0
flutriafol	whole	0.01	0.1	38	0	0
fluxapyroxad	whole	0.01	0.1	38	0	0
hexaconazole	whole	0.01	not set	38	–	0
imazalil	whole	0.01	not set	38	–	0
ipconazole	whole	0.01	0.01	38	0	0
iprodione	whole	0.01	not set	38	–	0
isoprothiolane	whole	0.01	not set	38	–	0
kresoxim-methyl	whole	0.01	not set	38	–	0
metalaxyl	whole	0.01	0.01	38	0	0
myclobutanil	whole	0.01	not set	38	–	0
oxadixyl	whole	0.01	not set	38	–	0
penconazole	whole	0.01	not set	38	–	0
penflufen	whole	0.01	0.01	38	0	0
prochloraz	whole	0.01	not set	38	–	0
procymidone	whole	0.01	not set	38	–	0
propiconazole	whole	0.01	0.05	38	0	0
prothioconazole	whole	0.01	0.3	38	0	0
pyraclostrobin	whole	0.01	0.01	38	0	0
pyrimethanil	whole	0.01	not set	38	–	0
quinoxifen	whole	0.01	not set	38	–	0
sedaxane	whole	0.01	0.01	38	0	0
spiroxamine	whole	0.01	not set	38	–	0
tebuconazole	whole	0.01	0.2	38	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiabendazole	whole	0.01	not set	38	–	0
tolclofos methyl	whole	0.01	not set	38	–	0
triadimefon	whole	0.01	0.5	38	0	0
triadimenol	whole	0.01	0.5	38	0	0
trifloxystrobin	whole	0.01	not set	38	–	0
triticonazole	whole	0.01	0.05	38	0	0
vinclozolin	whole	0.01	not set	38	–	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	38	0	0
2,4-D	whole	0.01	0.2	38	0	0
2,4-DB	whole	0.01	0.02	38	0	0
aminopyralid	whole	0.01	0.1	38	0	0
amitrole	whole	0.01	0.01	5	0	0
atrazine	whole	0.01	0.1	38	0	0
bentazone	whole	0.01	not set	38	–	0
bromacil	whole	0.01	not set	38	–	0
bromoxynil	whole	0.01	0.2	38	0	0
butroxydim	whole	0.01	not set	38	0	0
carfentrazone-ethyl	whole	0.01	0.05	38	0	0
chlormequat	whole	0.01	not set	5	–	0
chlorpropham	whole	0.01	not set	38	–	0
chlorsulfuron	whole	0.01	0.05	38	0	0
chlorthal-dimethyl	whole	0.01	not set	38	–	0
clethodim (parent only)	whole	0.01	not set	38	–	0
clodinafop-propargyl	whole	0.01	not set	38	–	0
clopyralid	whole	0.01	2	38	0	0
cyanazine	whole	0.01	0.01	38	0	0
dicamba	whole	0.01	0.05	38	0	0
dichlobenil	whole	0.01	not set	38	–	0
dichlorprop-P	whole	0.01	not set	5	–	0
diclofop-methyl	whole	0.01	0.1	5	0	0
diflufenican	whole	0.01	not set	38	–	0
diquat	whole	0.01	2	5	0	0
diuron	whole	0.01	0.1	38	0	0
ethofumesate	whole	0.01	not set	38	–	0
fenoxaprop-ethyl	whole	0.01	not set	38	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
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	38	0	0
flumioxazin	whole	0.01	0.05	38	0	0
fluroxypyr	whole	0.01	0.2	38	0	0
glufosinate	whole	0.01	not set	5	–	0
glyphosate	whole	0.01	15	5	0	0
haloxyfop	whole	0.01	not set	5	–	0
imazamox	whole	0.01	0.02	37	0	0
imazapic	whole	0.01	not set	37	0	0
imazapyr	whole	0.01	0.02	37	0	0
imazaquin	whole	0.01	not set	37	–	0
imazethapyr	whole	0.01	not set	37	–	0
iodosulfuron-methyl	whole	0.01	not set	38	–	0
ioxynil	whole	0.01	not set	38	–	0
isoxaben	whole	0.01	not set	38	–	0
linuron	whole	0.01	0.05	38	0	0
MCPA	whole	0.01	0.02	38	0	0
methabenzthiazuron	whole	0.01	not set	38	–	0
metolachlor	whole	0.01	0.05	38	0	0
metosulam	whole	0.01	0.02	38	0	0
metribuzin	whole	0.01	0.05	38	0	0
metsulfuron-methyl	whole	0.01	0.02	38	0	0
napropamide	whole	0.01	not set	38	–	0
norflurazon	whole	0.01	not set	38	–	0
oryzalin	whole	0.01	0.01	38	0	0
oxyfluorfen	whole	0.01	0.05	38	0	0
paraquat	whole	0.01	0.05	5	0	0
pendimethalin	whole	0.01	not set	38	–	0
picloram	whole	0.01	0.2	38	0	0
propachlor	whole	0.01	0.2	38	0	0
propaquizafop	whole	0.01	not set	5	–	0
propyzamide	whole	0.01	not set	38	–	0
quizalofop-ethyl	whole	0.01	not set	5	–	0
quizalofop-P-tefuryl	whole	0.01	not set	5	–	0
saflufenacil	whole	0.01	0.2	38	0	0
sethoxydim	whole	0.01	not set	38	–	0
simazine	whole	0.01	not set	38	–	0
terbutryn	whole	0.01	0.1	38	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tralkoxydim	whole	0.01	0.02	38	0	0
triallate	whole	0.01	0.05	38	0	0
triasulfuron	whole	0.01	0.02	38	0	0
triclopyr	whole	0.01	0.1	38	0	0
trifluralin	whole	0.01	0.05	38	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	not set	38	–	0
acephate	whole	0.01	not set	38	–	0
acetamiprid	whole	0.01	not set	38	–	0
aldicarb	whole	0.01	not set	38	–	0
amitraz	whole	0.01	not set	38	–	0
azamethiphos	whole	0.01	0.1	38	0	0
azinphos-methyl	whole	0.01	not set	38	–	0
bifenazate	whole	0.01	not set	38	–	0
bifenthrin	whole	0.01	0.02	38	0	0
bioresmethrin	whole	0.01	not set	38	–	0
buprofezin	whole	0.01	not set	38	–	0
cadusafos	whole	0.01	not set	38	–	0
carbaryl	whole	0.01	10	38	0	0
carbofuran	whole	0.01	not set	38	–	0
chlorantraniliprole	whole	0.01	0.1	38	0	0
chlorfenapyr	whole	0.01	not set	38	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	38	–	0
chlorpyrifos	whole	0.01	3	38	0	0
chlorpyrifos-methyl	whole	0.01	10	38	1	0
clofentezine	whole	0.01	not set	38	–	0
clothianidin	whole	0.01	0.01	38	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	38	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.5	38	0	0
cypermethrin (sum of isomers)	whole	0.01	1	38	0	0
deltamethrin	whole	0.01	2	38	1	0
diafenthiuron	whole	0.01	not set	38	–	0
diazinon	whole	0.01	0.1	38	0	0
dichlorvos	whole	0.01	0.01	38	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dicofol	whole	0.01	not set	38	–	0
diflubenzuron	whole	0.01	not set	38	–	0
dimethoate	whole	0.01	0.05	38	0	0
disulfoton	whole	0.01	not set	38	–	0
emamectin	whole	0.01	not set	38	–	0
esfenvalerate	whole	0.01	2	38	0	0
ethion	whole	0.01	not set	38	–	0
ethoprophos	whole	0.005	0.005	38	0	0
etoxazole	whole	0.01	not set	38	–	0
fenamiphos	whole	0.01	not set	38	–	0
fenbutatin oxide	whole	0.01	not set	38	–	0
fenitrothion	whole	0.01	10	38	0	0
fenoxycarb	whole	0.01	not set	38	–	0
fenpyroximate	whole	0.01	not set	38	–	0
fenthion	whole	0.01	not set	38	–	0
fenvalerate (sum of isomers)	whole	0.01	2	38	0	0
fipronil	whole	0.002	0.01	38	0	0
hexythiazox	whole	0.01	not set	38	–	0
imidacloprid	whole	0.01	0.02	38	0	0
indoxacarb	whole	0.01	not set	38	–	0
malathion (maldison)	whole	0.01	8	38	0	0
methacrifos	whole	0.01	not set	38	–	0
methamidophos	whole	0.01	not set	38	–	0
methidathion	whole	0.01	0.01	38	0	0
methiocarb	whole	0.01	not set	38	–	0
methomyl	whole	0.01	0.1	38	0	0
methoprene	whole	0.01	2	38	0	0
methoxychlor	whole	0.01	not set	38	–	0
methoxyfenozide	whole	0.01	not set	38	–	0
mevinphos	whole	0.01	not set	38	–	0
monocrotophos	whole	0.01	not set	38	–	0
omethoate	whole	0.01	0.05	38	0	0
parathion	whole	0.01	not set	38	–	0
parathion-methyl	whole	0.01	not set	38	–	0
permethrin (sum of isomers)	whole	0.01	2	38	0	0
phenothrin (sum of isomers)	whole	0.01	not set	38	–	0
phorate	whole	0.01	not set	38	–	0
phosmet	whole	0.01	0.05	38	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
piperonyl butoxide	whole	0.01	20	38	0	0
pirimicarb	whole	0.01	0.02	38	0	0
pirimiphos-methyl	whole	0.01	10	38	0	0
profenofos	whole	0.01	not set	38	–	0
propargite	whole	0.01	not set	38	–	0
prothiofos	whole	0.01	not set	38	–	0
pymetrozine	whole	0.01	not set	38	–	0
pyrethrins	whole	0.01	3	38	0	0
pyriproxyfen	whole	0.01	not set	38	–	0
spinetoram	whole	0.01	0.01	38	0	0
spinosad	whole	0.01	1	38	0	0
spirotetramat	whole	0.01	0.02	38	0	0
sulfoxaflor	whole	0.01	0.01	38	0	0
tau-fluvalinate	whole	0.01	not set	38	–	0
tebufenozide	whole	0.01	not set	38	–	0
tebufenpyrad	whole	0.01	not set	38	–	0
terbufos	whole	0.01	0.01	38	0	0
tetradifon	whole	0.01	not set	38	–	0
thiacloprid	whole	0.01	not set	38	–	0
thiamethoxam	whole	0.01	0.02	38	0	0
thiodicarb	whole	0.01	not set	38	–	0
triazofos	whole	0.01	not set	38	–	0
trichlorfon	whole	0.01	0.1	38	0	0
triflumuron	whole	0.01	0.05	38	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	38	0	0
chlordane	whole	0.01	0.02	38	0	0
DDT	whole	0.01	0.1	38	0	0
endosulfan	whole	0.01	not set	38	–	0
endrin	whole	0.01	not set	38	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	38	0	0
HCH (BHC)	whole	0.01	0.1	38	0	0
heptachlor	whole	0.01	0.02	38	0	0
lindane (gamma-HCH)	whole	0.01	0.5	38	0	0
mirex	whole	0.01	not set	38	–	0