



Sorghum residue testing annual datasets 2018–19

National Residue Survey, Department of Agriculture

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	80	–	0
benalaxyl	whole	0.01	not set	80	–	0
bitertanol	whole	0.01	not set	80	–	0
bixafen-P	whole	0.01	0.01	14	0	0
boscalid	whole	0.01	0.5	80	0	0
bupirimate	whole	0.01	not set	80	–	0
captafol	whole	0.02	not set	80	–	0
captan	whole	0.01	not set	80	–	0
carbendazim	whole	0.01	not set	80	–	0
carboxin	whole	0.01	0.1	14	0	0
chlorothalonil	whole	0.01	not set	80	–	0
cyproconazole	whole	0.01	not set	80	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cyprodinil	whole	0.01	not set	80	–	0
difenoconazole	whole	0.01	0.01	80	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	80	–	0
dithianon	whole	0.01	not set	80	–	0
dodine	whole	0.01	not set	80	–	0
epoxiconazole	whole	0.01	0.05	80	0	0
etridiazole	whole	0.01	not set	80	–	0
fenarimol	whole	0.01	not set	80	–	0
fenbuconazole	whole	0.01	not set	14	–	0
fenhexamid	whole	0.01	not set	80	–	0
fluazinam	whole	0.01	not set	80	–	0
fludioxonil	whole	0.01	0.01	80	0	0
fluquinconazole	whole	0.01	not set	80	–	0
flusilazole	whole	0.01	not set	80	–	0
flutriafol	whole	0.01	0.1	80	0	0
fluxapyroxad	whole	0.01	0.1	80	0	0
hexaconazole	whole	0.01	not set	80	–	0
imazalil	whole	0.01	not set	80	–	0
ipconazole	whole	0.01	0.01	80	0	0
iprodione	whole	0.01	not set	80	–	0
isoprothiolane	whole	0.01	not set	14	–	0
kresoxim-methyl	whole	0.01	not set	80	–	0
metalaxyl	whole	0.01	0.01	80	0	0
myclobutanil	whole	0.01	not set	80	–	0
oxadixyl	whole	0.01	not set	80	–	0
penconazole	whole	0.01	not set	80	–	0
penflufen	whole	0.01	0.01	14	0	0
prochloraz	whole	0.01	not set	80	–	0
procymidone	whole	0.01	not set	80	–	0
propiconazole	whole	0.01	0.05	80	0	0
prothioconazole	whole	0.01	0.3	80	0	0
pyraclostrobin	whole	0.01	0.01	80	0	0
pyrimethanil	whole	0.01	not set	80	–	0
quinoxifen	whole	0.01	not set	80	–	0
sedaxane	whole	0.01	0.01	14	0	0
spiroxamine-P	whole	0.01	not set	80	–	0
tebuconazole	whole	0.01	0.2	80	0	0
thiabendazole-P	whole	0.01	not set	80	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
tolclofos methyl	whole	0.01	not set	80	–	0
triadimefon	whole	0.01	0.5	80	0	0
triadimenol	whole	0.01	0.5	80	0	0
trifloxystrobin	whole	0.01	not set	80	–	0
triticonazole	whole	0.01	0.05	80	0	0
vinclozolin	whole	0.01	not set	80	–	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	80	0	0
2,4-D	whole	0.01	0.2	80	0	0
2,4-DB	whole	0.01	0.02	14	0	0
aminopyralid	whole	0.01	0.1	14	0	0
amitrole	whole	0.01	0.01	10	0	0
atrazine	whole	0.01	0.1	80	0	0
bentazone	whole	0.01	not set	14	–	0
bromacil	whole	0.01	not set	80	–	0
bromoxynil	whole	0.01	0.2	80	0	0
butoxydim	whole	0.01	not set	14	–	0
carfentrazone-ethyl	whole	0.01	0.05	80	0	0
chlorpropham	whole	0.01	not set	80	–	0
chlorsulfuron	whole	0.01	0.05	80	0	0
chlorthal-dimethyl	whole	0.01	not set	80	–	0
clethodim (parent only)	whole	0.01	not set	80	–	0
clodinafop-propargyl	whole	0.01	not set	80	–	0
clopyralid	whole	0.01	2	80	0	0
cyanazine	whole	0.01	0.01	80	0	0
dicamba	whole	0.01	0.05	80	0	0
dichlobenil	whole	0.01	not set	80	–	0
dichlorprop-P	whole	0.02	not set	71	–	0
diclofop-methyl	whole	0.01	0.1	10	0	0
diflufenican	whole	0.01	not set	80	–	0
diquat	whole	0.01	2	10	0	0
diuron	whole	0.01	0.1	80	0	0
ethofumesate	whole	0.01	not set	80	–	0
fenoxaprop-ethyl	whole	0.01	not set	10	–	0
flamprop-M-methyl	whole	0.01	not set	10	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
fluazifop-p-butyl	whole	0.01	not set	10	–	0
flumetsulam	whole	0.01	0.05	80	0	0
flumioxazin	whole	0.01	0.05	14	0	0
fluroxypyr	whole	0.01	0.2	14	0	0
glufosinate	whole	0.01	not set	10	–	0
glyphosate	whole	0.01	15	10	0	0
haloxyfop	whole	0.01	not set	10	–	0
imazamox	whole	0.01	0.02	80	0	0
imazapic	whole	0.01	not set	80	–	0
imazapyr	whole	0.01	0.02	80	0	0
imazaquin	whole	0.01	not set	80	–	0
imazethapyr	whole	0.01	not set	80	–	0
iodosulfuron-methyl	whole	0.01	not set	80	–	0
ioxynil	whole	0.01	not set	80	–	0
isoxaben	whole	0.01	not set	80	–	0
linuron	whole	0.01	0.05	80	0	0
MCPA	whole	0.01	0.02	80	0	0
methabenzthiazuron	whole	0.01	not set	80	–	0
metolachlor	whole	0.01	0.05	80	0	0
metosulam	whole	0.01	0.02	80	0	0
metribuzin	whole	0.01	0.05	80	0	0
metsulfuron-methyl	whole	0.01	0.02	80	0	0
napropamide	whole	0.01	not set	80	–	0
norflurazon	whole	0.01	not set	80	–	0
oryzalin	whole	0.01	0.01	80	0	0
oxyfluorfen	whole	0.01	0.05	80	0	0
paraquat	whole	0.01	0.05	10	0	0
pendimethalin	whole	0.01	not set	80	–	0
picloram	whole	0.01	0.2	80	0	0
propachlor	whole	0.01	0.2	80	0	0
propaquizafop	whole	0.02	not set	1	–	0
propyzamide	whole	0.01	not set	80	–	0
quizalofop-ethyl	whole	0.01	not set	10	–	0
quizalofop-P-tefuryl	whole	0.01	not set	10	–	0
saflufenacil	whole	0.01	0.2	80	0	0
sethoxydim	whole	0.01	not set	80	–	0
simazine	whole	0.01	not set	80	–	0
terbutryn	whole	0.01	0.1	14	0	0
tralkoxydim	whole	0.01	0.02	80	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
triallate	whole	0.01	0.05	14	0	0
triasulfuron	whole	0.01	0.02	80	0	0
triclopyr	whole	0.01	0.1	80	0	0
trifluralin	whole	0.01	0.05	80	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	80	–	0
acephate	whole	0.01	not set	80	–	0
acetamiprid-P	whole	0.01	not set	80	–	0
aldicarb	whole	0.01	not set	80	–	0
amitraz	whole	0.01	not set	80	–	0
azamethiphos	whole	0.01	0.1	80	0	0
azinphos-methyl	whole	0.01	not set	80	–	0
bifenazate	whole	0.01	not set	80	–	0
bifenthrin	whole	0.01	0.02	80	0	0
bioresmethrin	whole	0.01	not set	80	–	0
buprofezin	whole	0.01	not set	80	–	0
cadusafos	whole	0.01	not set	80	–	0
carbaryl	whole	0.01	10	80	0	0
carbofuran	whole	0.01	not set	80	–	0
chlorantraniliprole	whole	0.01	0.01	80	0	0
chlorfenapyr	whole	0.01	not set	80	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	80	–	0
chlorpyrifos	whole	0.01	3	80	0	0
chlorpyrifos-methyl	whole	0.01	10	80	0	0
clofentezine	whole	0.01	not set	80	–	0
clothianidin	whole	0.01	0.01	80	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	80	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.5	80	0	0
Cypermethrin (sum of isomers)	whole	0.01	1	80	0	0
deltamethrin	whole	0.01	2	80	0	0
diafenthiuron	whole	0.01	not set	80	–	0
diazinon	whole	0.01	0.1	80	0	0
dichlorvos	whole	0.01	0.01	80	0	0

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dicofol	whole	0.01	not set	80	–	0
diflubenzuron	whole	0.01	not set	80	–	0
dimethoate	whole	0.01	0.05	80	0	0
disulfoton	whole	0.01	not set	80	–	0
emamectin	whole	0.01	not set	80	–	0
esfenvalerate	whole	0.01	2	80	0	0
ethion	whole	0.01	not set	80	–	0
ethoprophos	whole	0.005	0.005	80	0	0
etoxazole	whole	0.01	not set	80	–	0
fenamiphos	whole	0.01	not set	80	–	0
fenbutatin oxide	whole	0.01	not set	80	–	0
fenitrothion	whole	0.01	10	80	0	0
fenoxycarb	whole	0.01	not set	80	–	0
fenpyroximate	whole	0.01	not set	80	–	0
fenthion	whole	0.01	not set	80	–	0
fenvalerate (sum of isomers)	whole	0.01	2	80	0	0
fipronil	whole	0.002	0.01	80	0	0
hexythiazox	whole	0.01	not set	80	–	0
imidacloprid	whole	0.01	0.02	80	0	0
indoxacarb	whole	0.01	not set	80	–	0
malathion (maldison)	whole	0.01	8	80	0	0
methacrifos	whole	0.01	not set	80	–	0
methamidophos	whole	0.01	not set	80	–	0
methidathion	whole	0.01	0.01	80	0	0
methiocarb	whole	0.01	not set	80	–	0
methomyl	whole	0.01	0.1	80	0	0
methoprene	whole	0.01	2	80	0	0
methoxychlor	whole	0.01	not set	80	–	0
methoxyfenozide	whole	0.01	not set	80	–	0
mevinphos	whole	0.01	not set	80	–	0
monocrotophos	whole	0.01	not set	80	–	0
omethoate	whole	0.01	0.05	80	0	0
parathion	whole	0.01	not set	80	–	0
parathion-methyl	whole	0.01	not set	80	–	0
permethrin (sum of isomers)	whole	0.01	2	80	0	0
phenothrin (sum of isomers)	whole	0.01	not set	80	–	0
phorate	whole	0.01	not set	80	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosmet	whole	0.01	0.05	80	0	0
piperonyl butoxide	whole	0.01	20	80	0	0
pirimicarb	whole	0.01	0.02	80	0	0
pirimiphos-methyl	whole	0.01	10	80	0	0
profenofos	whole	0.01	not set	80	–	0
propargite	whole	0.01	not set	80	–	0
prothiofos	whole	0.01	not set	80	–	0
pymetrozine	whole	0.01	not set	80	–	0
pyrethrins	whole	0.01	3	80	0	0
pyriproxyfen	whole	0.01	not set	80	–	0
spinetoram	whole	0.01	not set	80	–	0
spinosad	whole	0.01	1	80	0	0
spirotetramat	whole	0.01	0.02	80	0	0
sulfoxaflor	whole	0.01	0.01	80	0	0
tau-fluvalinate	whole	0.01	not set	80	–	0
tebufenozide	whole	0.01	not set	80	–	0
tebufenpyrad	whole	0.01	not set	80	–	0
terbufos	whole	0.01	0.01	80	0	0
tetradifon	whole	0.01	not set	80	–	0
thiacloprid	whole	0.01	not set	80	–	0
thiamethoxam	whole	0.01	0.02	80	0	0
thiodicarb	whole	0.01	not set	80	–	0
triazofos	whole	0.01	not set	80	–	0
trichlorfon	whole	0.01	0.1	80	0	0
triflumuron	whole	0.01	0.05	80	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	80	0	0
chlordane	whole	0.01	0.02	80	0	0
DDT	whole	0.01	0.1	80	0	0
endosulfan	whole	0.01	not set	80	–	0
endrin	whole	0.01	not set	80	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	80	0	0
HCH (BHC)	whole	0.01	0.1	80	0	0
heptachlor	whole	0.01	0.02	80	0	0
lindane (gamma-HCH)	whole	0.01	0.5	80	0	0

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mirex	whole	0.01	not set	80	–	0