



Sorghum residue testing annual datasets 2016–17

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.

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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	348	–	0
benalaxyl	whole	0.01	not set	348	–	0
bitertanol	whole	0.01	not set	348	–	0
boscalid	whole	0.01	0.5	348	0	0
bupirimate	whole	0.01	not set	348	–	0
captafol	whole	0.02	not set	348	–	0
captan	whole	0.01	not set	348	–	0
carbendazim	whole	0.01	not set	348	–	0
chlorothalonil	whole	0.01	not set	348	–	0
cyproconazole	whole	0.01	not set	348	–	0
cyprodinil	whole	0.01	not set	348	–	0
difenoconazole	whole	0.01	0.01	348	0	0

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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	348	–	0
dithianon	whole	0.01	not set	348	–	0
dodine	whole	0.01	not set	348	–	0
epoxiconazole	whole	0.01	0.05	348	0	0
etridiazole	whole	0.01	not set	348	–	0
fenarimol	whole	0.01	not set	348	–	0
fenhexamid	whole	0.01	not set	348	–	0
fluazinam	whole	0.01	not set	348	–	0
fludioxonil	whole	0.01	0.01	348	0	0
fluquinconazole	whole	0.01	not set	348	–	0
flusilazole	whole	0.01	not set	348	–	0
flutriafol	whole	0.01	0.02	348	0	0
fluxapyroxad	whole	0.01	0.1	348	0	0
hexaconazole	whole	0.01	not set	348	–	0
imazalil	whole	0.01	not set	348	–	0
ipconazole	whole	0.01	0.01	348	0	0
iprodione	whole	0.01	not set	348	–	0
kresoxim-methyl	whole	0.01	not set	348	–	0
metalaxyl	whole	0.01	0.01	348	0	0
myclobutanil	whole	0.01	not set	348	–	0
oxadixyl	whole	0.01	not set	348	–	0
penconazole	whole	0.01	not set	348	–	0
prochloraz	whole	0.01	not set	348	–	0
procymidone	whole	0.01	not set	348	–	0
propiconazole	whole	0.01	0.05	348	0	0
prothioconazole	whole	0.01	0.3	348	0	0
pyraclostrobin	whole	0.01	0.01	348	0	0
pyrimethanil	whole	0.01	not set	348	–	0
quinoxifen	whole	0.01	not set	348	–	0
spiroxamine-P	whole	0.01	not set	348	–	0
tebuconazole	whole	0.01	0.2	348	0	0
thiabendazole	whole	0.01	not set	348	–	0
tolclofos methyl	whole	0.01	not set	348	–	0
triadimefon	whole	0.01	0.5	348	0	0
triadimenol	whole	0.01	0.5	348	0	0
trifloxystrobin	whole	0.01	not set	348	–	0
triticonazole	whole	0.01	0.05	348	0	0
vinclozolin	whole	0.01	not set	348	–	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	348	0	0
2,4-D	whole	0.01	0.2	348	0	0
amitrole	whole	0.01	0.01	44	0	0
atrazine	whole	0.01	0.1	348	0	0
bromacil	whole	0.01	not set	348	–	0
bromoxynil	whole	0.01	0.2	348	0	0
carfentrazone-ethyl	whole	0.01	0.05	348	0	0
chlorpropham	whole	0.01	not set	348	–	0
chlorsulfuron	whole	0.01	0.05	348	0	0
chlorthal-dimethyl	whole	0.01	not set	348	–	0
clethodim (parent only)	whole	0.01	not set	348	–	0
clodinafop-propargyl	whole	0.01	not set	348	–	0
clopyralid	whole	0.01	2	348	0	0
cyanazine	whole	0.01	0.01	348	0	0
dicamba	whole	0.01	0.05	348	0	0
dichlobenil	whole	0.01	not set	348	–	0
dichlorprop-P	whole	0.01	not set	348	–	0
diclofop-methyl	whole	0.01	0.1	44	0	0
diflufenican	whole	0.01	not set	348	–	0
diquat	whole	0.01	2	44	0	0
diuron	whole	0.01	0.1	348	0	0
ethofumesate	whole	0.01	not set	348	–	0
fenoxaprop-ethyl	whole	0.01	not set	44	–	0
flamprop-M-methyl	whole	0.01	not set	44	–	0
fluazifop-p-butyl	whole	0.01	not set	44	–	0
flumetsulam	whole	0.01	0.05	348	0	0
glufosinate	whole	0.01	not set	44	–	0
glyphosate	whole	0.01	15	44	0	0
haloxyfop	whole	0.01	not set	44	–	0
imazamox	whole	0.01	0.02	348	0	0
imazapic	whole	0.01	not set	348	–	0
imazapyr	whole	0.01	0.02	348	0	0
imazaquin	whole	0.01	not set	348	–	0
imazethapyr	whole	0.01	not set	348	–	0
iodosulfuron-methyl	whole	0.01	not set	348	–	0
ioxynil	whole	0.01	not set	348	–	0
isoxaben	whole	0.01	not set	348	–	0
linuron	whole	0.01	0.05	348	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	348	0	0
methabenzthiazuron	whole	0.01	not set	348	–	0
metolachlor	whole	0.01	0.05	348	0	0
metosulam	whole	0.01	0.02	348	0	0
metribuzin	whole	0.01	0.05	348	0	0
metsulfuron-methyl	whole	0.01	0.02	348	0	0
napropamide	whole	0.01	not set	348	–	0
norflurazon	whole	0.01	not set	348	–	0
oryzalin	whole	0.01	0.01	348	0	0
oxyfluorfen	whole	0.01	0.05	348	0	1
paraquat	whole	0.01	0.05	44	0	0
pendimethalin	whole	0.01	not set	348	–	0
picloram	whole	0.01	0.2	348	0	0
propachlor	whole	0.01	0.2	348	0	0
propyzamide	whole	0.01	not set	348	–	0
quizalofop-ethyl	whole	0.01	not set	44	–	0
quizalofop-P-tefuryl	whole	0.01	not set	44	–	0
saflufenacil	whole	0.01	0.03	348	0	0
sethoxydim	whole	0.01	not set	348	–	0
simazine	whole	0.01	not set	348	–	1
tralkoxydim	whole	0.01	0.02	348	0	0
triasulfuron	whole	0.01	0.02	348	0	0
triclopyr	whole	0.01	0.1	348	0	0
trifluralin	whole	0.01	0.05	348	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	348	–	0
acephate	whole	0.01	not set	348	–	0
acetamiprid	whole	0.01	not set	348	–	0
aldicarb	whole	0.01	not set	348	–	0
amitraz	whole	0.01	not set	348	–	0
azamethiphos	whole	0.01	0.1	348	1	0
azinphos-methyl	whole	0.01	not set	348	–	0
bifenazate	whole	0.01	not set	348	–	0
bifenthrin	whole	0.01	0.02	348	0	0
bioresmethrin	whole	0.01	not set	348	–	0
buprofezin	whole	0.01	not set	348	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	348	–	0
carbaryl	whole	0.01	10	348	0	0
carbofuran	whole	0.01	not set	348	–	0
chlorantraniliprole	whole	0.01	0.01	348	0	0
chlorfenapyr	whole	0.01	not set	348	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	348	–	0
chlorpyrifos	whole	0.01	3	348	0	0
chlorpyrifos-methyl	whole	0.01	10	348	0	1
clofentezine	whole	0.01	not set	348	–	0
clothianidin	whole	0.01	0.01	348	0	0
cyfluthrin (sum of isomers)	whole	0.01	2	348	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.5	348	0	0
cypermethrin (sum of isomers)	whole	0.01	1	348	0	0
deltamethrin	whole	0.01	2	348	0	0
diafenthiuron	whole	0.01	not set	348	–	0
diazinon	whole	0.01	0.1	348	0	0
dichlorvos	whole	0.01	0.01	348	0	0
dicofol	whole	0.01	not set	348	–	0
diflubenzuron	whole	0.01	not set	348	–	0
dimethoate	whole	0.01	0.05	348	0	0
disulfoton	whole	0.01	not set	348	–	0
emamectin	whole	0.01	not set	348	–	0
esfenvalerate	whole	0.01	2	348	0	0
ethion	whole	0.01	not set	348	–	0
ethoprophos	whole	0.005	0.005	348	0	0
etoxazole	whole	0.01	not set	348	–	0
fenamiphos	whole	0.01	not set	348	–	0
fenbutatin oxide	whole	0.01	not set	348	–	0
fenitrothion	whole	0.01	10	348	0	0
fenoxycarb	whole	0.01	not set	348	–	0
fenpyroximate	whole	0.01	not set	348	–	0
fenthion	whole	0.01	not set	348	–	0
fenvalerate (sum of isomers)	whole	0.01	2	348	0	0
fipronil	whole	0.002	0.01	348	0	0
hexythiazox	whole	0.01	not set	348	–	0
imidacloprid	whole	0.01	0.02	348	0	0

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indoxacarb	whole	0.01	not set	348	–	0
malathion (maldison)	whole	0.01	8	348	0	0
methacrifos	whole	0.01	not set	348	–	0
methamidophos	whole	0.01	not set	348	–	0
methidathion	whole	0.01	0.01	348	0	0
methiocarb	whole	0.01	not set	348	–	0
methomyl	whole	0.01	0.1	348	0	0
methoprene	whole	0.01	2	348	1	0
methoxychlor	whole	0.01	not set	348	–	0
methoxyfenozide	whole	0.01	not set	348	–	0
mevinphos	whole	0.01	not set	348	–	0
monocrotophos	whole	0.01	not set	348	–	0
omethoate	whole	0.01	0.05	348	0	0
parathion	whole	0.01	not set	348	–	0
parathion-methyl	whole	0.01	not set	348	–	0
permethrin (sum of isomers)	whole	0.01	2	348	1	0
phenothrin (sum of isomers)	whole	0.01	not set	348	–	0
phorate	whole	0.01	not set	348	–	0
phosmet	whole	0.01	0.05	348	0	0
piperonyl butoxide	whole	0.01	20	348	0	0
pirimicarb	whole	0.01	0.02	348	0	0
pirimiphos-methyl	whole	0.01	10	348	0	0
profenofos	whole	0.01	not set	348	–	0
propargite	whole	0.01	not set	348	–	0
prothiofos	whole	0.01	not set	348	–	0
pymetrozine	whole	0.01	not set	348	–	0
pyrethrins	whole	0.01	3	348	0	0
pyriproxyfen	whole	0.01	not set	348	–	0
spinetoram	whole	0.01	not set	348	–	0
spinosad	whole	0.01	1	348	0	0
spirotetramat	whole	0.01	0.02	348	0	0
sulfoxaflor	whole	0.01	0.01	348	0	0
tau-fluvalinate	whole	0.01	not set	348	–	0
tebufenozide	whole	0.01	not set	348	–	0
tebufenpyrad	whole	0.01	not set	348	–	0
terbufos	whole	0.01	0.01	348	0	0
tetradifon	whole	0.01	not set	348	–	0
thiacloprid	whole	0.01	not set	348	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	0.02	348	0	0
thiodicarb	whole	0.01	not set	348	–	0
triazofos	whole	0.01	not set	348	–	0
trichlorfon	whole	0.01	0.1	348	0	0
triflumuron	whole	0.01	0.05	348	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	348	0	0
chlordane	whole	0.01	0.02	348	0	0
DDT	whole	0.01	0.1	348	0	0
endosulfan	whole	0.01	not set	348	–	0
endrin	whole	0.01	not set	348	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	348	0	0
HCH (BHC)	whole	0.01	0.1	348	0	0
heptachlor	whole	0.01	0.02	348	0	0
lindane (gamma-HCH)	whole	0.01	0.5	348	0	0
mirex	whole	0.01	not set	348	–	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	28	0	0