



Sorghum residue testing annual datasets 2020–21

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	187	–	0
benalaxyl	whole	0.01	not set	187	–	0
bitertanol	whole	0.01	not set	187	–	0
bixafen	whole	0.01	0.01	187	0	0
boscalid	whole	0.01	0.5	187	0	0
bupirimate	whole	0.01	not set	187	–	0
captafol	whole	0.02	not set	187	–	0
captan	whole	0.01	not set	187	–	0
carbendazim	whole	0.01	not set	187	–	0
carboxin	whole	0.01	0.1	187	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	187	–	0
cyproconazole	whole	0.01	not set	187	–	0
cyprodinil	whole	0.01	not set	187	–	0
difenoconazole	whole	0.01	0.01	187	0	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	187	–	0
dithianon	whole	0.01	not set	187	–	0
dodine	whole	0.01	not set	187	–	0
epoxiconazole	whole	0.01	0.05	187	0	0
etridiazole	whole	0.01	not set	187	–	0
fenarimol	whole	0.01	not set	187	–	0
fenbuconazole	whole	0.01	not set	187	–	0
fenhexamid	whole	0.01	not set	187	–	0
fluazinam	whole	0.01	not set	187	–	0
fludioxonil	whole	0.01	0.01	187	0	0
fluquinconazole	whole	0.01	not set	187	–	0
flusilazole	whole	0.01	not set	187	–	0
flutriafol	whole	0.01	0.1	187	0	0
fluxapyroxad	whole	0.01	0.1	187	0	0
hexaconazole	whole	0.01	not set	187	–	0
imazalil	whole	0.01	not set	187	–	0
ipconazole	whole	0.01	0.01	187	0	0
iprodione	whole	0.01	not set	187	–	0
isoprothiolane	whole	0.01	not set	187	–	0
kresoxim-methyl	whole	0.01	not set	187	–	0
metalaxyl	whole	0.01	0.01	187	0	0
myclobutanil	whole	0.01	not set	187	–	0
oxadixyl	whole	0.01	not set	187	–	0
penconazole	whole	0.01	not set	187	–	0
penflufen	whole	0.01	0.01	187	0	0
prochloraz	whole	0.01	not set	187	–	0
procymidone	whole	0.01	not set	187	–	0
propiconazole	whole	0.01	0.05	187	0	0
prothioconazole	whole	0.01	0.3	187	0	0
pyraclostrobin	whole	0.01	0.01	187	0	0
pyrimethanil	whole	0.01	not set	187	–	0
quinoxifen	whole	0.01	not set	187	–	0
sedaxane	whole	0.01	0.01	187	0	0
spiroxamine	whole	0.01	not set	187	–	0
tebuconazole	whole	0.01	0.2	187	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	187	–	0
tolclofos methyl	whole	0.01	not set	187	–	0
triadimefon	whole	0.01	0.5	187	0	0
triadimenol	whole	0.01	0.5	187	0	0
trifloxystrobin	whole	0.01	not set	187	–	0
triticonazole	whole	0.01	0.05	187	0	0
vinclozolin	whole	0.01	not set	187	–	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	187	0	0
2,4-D	whole	0.01	0.2	187	0	0
2,4-DB	whole	0.01	0.02	187	0	0
acifluorfen	whole	0.01	not set	129	–	0
ametryn	whole	0.01	not set	129	–	0
aminopyralid	whole	0.01	0.1	187	0	0
amitrole	whole	0.01	0.01	27	0	0
atrazine	whole	0.01	0.1	187	0	0
bentazone	whole	0.01	not set	187	–	0
bicyclopyrone	whole	0.01	not set	129	–	0
bromacil	whole	0.01	not set	187	–	0
bromoxynil	whole	0.01	0.2	187	0	0
butroxydim	whole	0.01	not set	187	–	0
carfentrazone-ethyl	whole	0.01	0.05	187	0	0
chlormequat	whole	0.01	not set	27	–	0
chlorpropham	whole	0.01	not set	187	–	0
chlorsulfuron	whole	0.01	0.05	187	0	0
chlorthal-dimethyl	whole	0.01	not set	187	–	0
clethodim (parent only)	whole	0.01	not set	187	–	0
clodinafop acid	whole	0.01	not set	129	–	0
clodinafop-propargyl	whole	0.01	not set	187	–	0
clomazone	whole	0.01	not set	129	–	0
clopyralid	whole	0.01	2	187	0	0
cloquintocet-mexyl	whole	0.01	0.1	129	0	0
cyanazine	whole	0.01	0.01	187	0	0
dicamba	whole	0.01	0.05	187	0	0
dichlobenil	whole	0.01	not set	187	–	0
dichlorprop	whole	0.01	not set	27	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diclofop-methyl	whole	0.01	0.1	27	0	0
diflufenican	whole	0.01	not set	187	–	0
dimethenamid	whole	0.01	not set	129	–	0
diquat	whole	0.01	2	27	0	0
diuron	whole	0.01	0.1	187	0	0
EPTC	whole	0.01	0.04	127	0	0
EPTC (ethylidipropylthiocarbamate)	whole	0.01	not set	2	–	0
ethofumesate	whole	0.01	not set	187	–	0
fenoxaprop-ethyl	whole	0.01	not set	187	–	0
flamprop-M-methyl	whole	0.01	not set	27	–	0
florasulam	whole	0.01	0.01	129	0	0
fluazifop-p-butyl	whole	0.01	not set	27	–	0
flumetsulam	whole	0.01	0.05	187	0	0
flumioxazin	whole	0.01	0.05	187	0	0
fluroxypyr	whole	0.01	0.2	187	0	0
glufosinate	whole	0.01	not set	27	–	0
glyphosate	whole	0.01	15	27	0	0
halauxifen-methyl	whole	0.01	0.01	129	0	0
halosulfuron-methyl	whole	0.01	0.05	129	0	0
haloxyfop	whole	0.01	not set	27	–	0
imazamox	whole	0.01	0.02	69	0	0
imazapic	whole	0.01	not set	69	–	0
imazapyr	whole	0.01	0.02	69	0	0
imazaquin	whole	0.01	not set	69	–	0
imazethapyr	whole	0.01	not set	69	–	0
iodosulfuron-methyl	whole	0.01	not set	187	–	0
ioxynil	whole	0.01	not set	187	–	0
isoxaben	whole	0.01	not set	187	–	0
isoxaflutole	whole	0.01	0.02	129	0	0
linuron	whole	0.01	0.05	187	0	0
MCPA	whole	0.01	0.02	187	0	0
MCPB	whole	0.01	0.02	129	0	0
mefenpyr-diethyl	whole	0.01	0.01	129	0	0
metazachlor	whole	0.01	0.03	129	0	0
methabenzthiazuron	whole	0.01	not set	187	–	0
metolachlor	whole	0.01	0.05	187	0	0
metosulam	whole	0.01	0.02	187	0	0
metribuzin	whole	0.01	0.05	187	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
metsulfuron-methyl	whole	0.01	0.02	187	0	0
napropamide	whole	0.01	not set	187	–	0
norflurazon	whole	0.01	not set	187	–	0
oryzalin	whole	0.01	0.01	187	0	0
oxyfluorfen	whole	0.01	0.05	187	0	0
paraquat	whole	0.01	0.05	27	0	0
pendimethalin	whole	0.01	not set	187	–	0
picloram	whole	0.01	0.2	187	0	0
picolinafen	whole	0.01	0.02	129	0	0
pinoxaden (parent)	whole	0.01	not set	129	–	0
prometryn	whole	0.01	0.1	129	0	0
propachlor	whole	0.01	0.2	187	0	0
propaquizafop	whole	0.01	not set	27	–	0
propyzamide	whole	0.01	not set	187	–	0
prosulfocarb	whole	0.01	not set	129	–	0
pyraflufen-ethyl	whole	0.01	0.02	129	0	0
pyrasulfotole	whole	0.01	0.02	129	0	0
pyroxasulfone	whole	0.01	0.01	129	0	0
pyroxulam	whole	0.01	not set	129	–	0
quizalofop-ethyl	whole	0.01	not set	27	–	0
quizalofop-P-tefuryl	whole	0.01	not set	27	–	0
saflufenacil	whole	0.01	0.2	187	0	0
sethoxydim	whole	0.01	not set	187	–	0
simazine	whole	0.01	not set	187	–	0
sulfosulfuron	whole	0.01	not set	129	–	0
terbuthylazine	whole	0.01	0.01	129	0	0
terbutryn	whole	0.01	0.1	187	0	0
tralkoxydim	whole	0.01	0.02	187	0	0
triallate	whole	0.01	0.05	187	0	0
triasulfuron	whole	0.01	0.02	187	0	0
tribenuron-methyl	whole	0.01	0.01	129	0	0
triclopyr	whole	0.01	0.1	187	0	0
trifluralin	whole	0.01	0.05	187	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	187	–	0
acephate	whole	0.01	not set	187	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
acetamiprid	whole	0.01	not set	187	–	0
aldicarb	whole	0.01	not set	187	–	0
amitraz	whole	0.01	not set	187	–	0
azamethiphos	whole	0.01	0.1	187	0	0
azinphos-methyl	whole	0.01	not set	187	–	0
bifenazate	whole	0.01	not set	187	–	0
bifenthrin	whole	0.01	0.02	187	0	0
bioresmethrin	whole	0.01	not set	187	–	0
buprofezin	whole	0.01	0.01	187	0	0
cadusafos	whole	0.01	not set	187	–	0
carbaryl	whole	0.01	10	187	0	0
carbofuran	whole	0.01	not set	187	–	0
chlorantraniliprole	whole	0.01	0.1	187	0	0
chlorfenapyr	whole	0.01	not set	187	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	187	–	0
chlorpyrifos	whole	0.01	3	187	0	0
chlorpyrifos-methyl	whole	0.01	10	187	0	0
clofentezine	whole	0.01	not set	187	–	0
clothianidin	whole	0.01	0.01	187	0	0
cyantraniliprole	whole	0.01	0.05	129	0	0
cyfluthrin (sum of isomers)	whole	0.01	not set	187	–	0
cyhalothrin (sum of isomers)	whole	0.01	0.5	187	0	0
cypermethrin (sum of isomers)	whole	0.01	1	187	0	0
deltamethrin	whole	0.01	2	187	0	0
diafenthiuron	whole	0.01	not set	187	–	0
diazinon	whole	0.01	0.1	187	0	0
dichlorvos	whole	0.01	0.01	187	0	0
dicofol	whole	0.01	not set	187	–	0
diflubenzuron	whole	0.01	not set	187	–	0
dimethoate	whole	0.01	0.5	187	0	0
disulfoton	whole	0.01	not set	187	–	0
emamectin	whole	0.01	not set	187	–	0
esfenvalerate	whole	0.01	2	87	0	0
ethion	whole	0.01	not set	187	–	0
ethoprophos	whole	0.005	0.005	187	0	0
etoxazole	whole	0.01	not set	187	–	0
fenamiphos	whole	0.01	not set	187	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
fenbutatin oxide	whole	0.01	not set	187	–	0
fenitrothion	whole	0.01	10	187	0	0
fenoxycarb	whole	0.01	not set	187	–	0
fenpyroximate	whole	0.01	not set	187	–	0
fenthion	whole	0.01	not set	187	–	0
fenvalerate (sum of isomers)	whole	0.01	2	187	0	0
fipronil	whole	0.002	0.01	187	0	0
flonicamid	whole	0.01	not set	129	–	0
hexythiazox	whole	0.01	not set	187	–	0
imidacloprid	whole	0.01	0.02	187	0	0
indoxacarb	whole	0.01	not set	187	–	0
malathion (maldison)	whole	0.01	8	187	0	0
methacrifos	whole	0.01	not set	187	–	0
methamidophos	whole	0.01	not set	187	–	0
methidathion	whole	0.01	not set	187	–	0
methiocarb	whole	0.01	not set	187	–	0
methomyl	whole	0.01	0.1	187	0	0
methoprene	whole	0.01	2	187	0	0
methoxychlor	whole	0.01	not set	187	–	0
methoxyfenozide	whole	0.01	not set	187	–	0
mevinphos	whole	0.01	not set	187	–	0
monocrotophos	whole	0.01	not set	187	–	0
omethoate	whole	0.01	0.05	187	0	0
parathion	whole	0.01	not set	187	–	0
parathion-methyl	whole	0.01	not set	187	–	0
permethrin (sum of isomers)	whole	0.01	2	187	0	0
phenothrin (sum of isomers)	whole	0.01	not set	187	–	0
phorate	whole	0.01	not set	187	–	0
phosmet	whole	0.01	0.05	187	0	0
piperonyl butoxide	whole	0.01	20	187	0	0
pirimicarb	whole	0.01	0.02	187	0	0
pirimiphos-methyl	whole	0.01	10	187	0	0
profenofos	whole	0.01	not set	187	–	0
propargite	whole	0.01	not set	187	–	0
prothiofos	whole	0.01	not set	187	–	0
pymetrozine	whole	0.01	not set	187	–	0
pyrethrins	whole	0.01	3	187	0	0
pyriproxyfen	whole	0.01	not set	187	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
spinetoram	whole	0.01	0.01	187	0	0
spinosad	whole	0.01	1	187	0	0
spirotetramat	whole	0.01	0.02	187	0	0
sulfoxaflor	whole	0.01	0.01	187	0	0
tau-fluvalinate	whole	0.01	not set	187	–	0
tebufenozide	whole	0.01	not set	187	–	0
tebufenpyrad	whole	0.01	not set	187	–	0
terbufos	whole	0.01	0.01	187	0	0
tetradifon	whole	0.01	not set	187	–	0
thiacloprid	whole	0.01	not set	187	–	0
thiamethoxam	whole	0.01	0.02	187	0	0
thiodicarb	whole	0.01	not set	187	–	0
triazofos	whole	0.01	not set	187	–	0
trichlorfon	whole	0.01	0.1	187	0	0
triflumuron	whole	0.01	0.05	187	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	187	0	0
chlordane	whole	0.01	0.02	187	0	0
DDT	whole	0.01	0.1	187	0	0
endosulfan	whole	0.01	not set	187	–	0
endrin	whole	0.01	not set	187	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	187	0	0
HCH (BHC)	whole	0.01	0.1	187	0	0
heptachlor	whole	0.01	0.02	187	0	0
lindane (gamma-HCH)	whole	0.01	0.5	187	0	0
mirex	whole	0.01	not set	187	–	0

Table 5 Physiological modifier

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trinexapac-ethyl	whole	0.01	0.2	129	0	0