



Sorghum residue testing annual datasets 2015–16

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	296	–	0
benalaxyl	whole	0.01	not set	296	–	0
bitertanol	whole	0.01	not set	296	–	0
boscalid	whole	0.01	0.5	296	0	0
bupirimate	whole	0.01	not set	296	–	0
captafol	whole	0.02	not set	296	–	0
captan	whole	0.02	not set	296	–	0
carbendazim	whole	0.01	not set	296	–	0
chlorothalonil	whole	0.01	not set	296	–	0
cyproconazole	whole	0.01	not set	296	–	0
cyprodinil	whole	0.01	not set	296	–	0
difenoconazole	whole	0.01	0.01	296	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	296	–	0
dithianon	whole	0.01	not set	296	–	0
dodine	whole	0.01	not set	296	–	0
epoxiconazole	whole	0.01	0.05	296	0	0
etridiazole	whole	0.01	not set	296	–	0
fenarimol	whole	0.01	not set	296	–	0
fenhexamid	whole	0.01	not set	296	–	0
fluazinam	whole	0.01	not set	296	–	0
fludioxonil	whole	0.01	0.01	296	0	0
fluquinconazole	whole	0.01	not set	296	–	0
flusilazole	whole	0.01	not set	296	–	0
flutriafol	whole	0.01	0.02	296	0	0
fluxapyroxad	whole	0.01	0.1	296	0	0
hexaconazole	whole	0.01	not set	296	–	0
imazalil	whole	0.01	not set	296	–	0
ipconazole	whole	0.01	0.01	296	0	0
iprodione	whole	0.01	not set	296	–	0
kresoxim-methyl	whole	0.01	not set	296	–	0
metalaxyl	whole	0.01	0.01	296	0	0
myclobutanil	whole	0.01	not set	296	–	0
oxadixyl	whole	0.01	not set	296	–	0
penconazole	whole	0.01	not set	296	–	0
prochloraz	whole	0.01	not set	296	–	0
procymidone	whole	0.01	not set	296	–	0
propiconazole	whole	0.01	0.05	296	0	0
prothioconazole	whole	0.01	0.3	296	0	0
pyraclostrobin	whole	0.01	0.01	296	0	0
pyrimethanil	whole	0.01	not set	296	–	0
quinoxifen	whole	0.01	not set	36	–	0
spiroxamine	whole	0.01	not set	296	–	0
tebuconazole	whole	0.01	0.2	296	0	0
thiabendazole	whole	0.01	not set	296	–	0
tolclofos methyl	whole	0.01	not set	296	–	0
triadimefon	whole	0.01	0.5	296	0	0
triadimenol	whole	0.01	0.5	296	0	0
trifloxystrobin	whole	0.01	not set	296	–	0
triticonazole	whole	0.01	0.05	296	0	0
vinclozolin	whole	0.01	not set	296	–	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2,2-DPA (2,2-dichloropropionic acid)	whole	0.01	0.1	296	0	0
2,4-D	whole	0.01	0.2	296	0	0
amitrole	whole	0.01	0.01	92	0	0
atrazine	whole	0.01	0.1	296	0	0
bromacil	whole	0.01	not set	296	–	0
bromoxynil	whole	0.01	0.2	296	0	0
carfentrazone-ethyl	whole	0.01	0.05	296	0	0
chlorpropham	whole	0.01	not set	296	–	0
chlorsulfuron	whole	0.01	0.05	296	0	0
chlorthal-dimethyl	whole	0.01	not set	296	–	0
clethodim (parent only)	whole	0.01	not set	296	–	0
clodinafop-propargyl	whole	0.01	not set	296	–	0
clopyralid	whole	0.01	2	296	0	0
cyanazine	whole	0.01	0.01	296	0	0
dicamba	whole	0.01	0.05	296	0	0
dichlobenil	whole	0.01	not set	296	–	0
dichlorprop-P	whole	0.01	not set	296	–	0
diclofop-methyl	whole	0.01	0.1	92	0	0
diflufenican	whole	0.01	not set	296	–	0
diquat	whole	0.01	2	92	0	0
diuron	whole	0.01	0.1	296	0	0
ethofumesate	whole	0.01	not set	296	–	0
fenoxaprop-ethyl	whole	0.01	not set	92	–	0
flamprop-M-methyl	whole	0.01	not set	92	–	0
fluazifop-p-butyl	whole	0.01	not set	92	–	0
flumetsulam	whole	0.01	0.05	296	0	0
glufosinate	whole	0.01	not set	92	–	0
glyphosate	whole	0.01	15	92	0	0
haloxyfop	whole	0.01	not set	92	–	0
imazamox	whole	0.01	not set	296	–	0
imazapic	whole	0.01	not set	296	–	0
imazapyr	whole	0.01	not set	296	–	0
imazaquin	whole	0.01	not set	296	–	0
imazethapyr	whole	0.01	not set	296	–	0
iodosulfuron-methyl	whole	0.01	not set	296	–	0
ioxynil	whole	0.01	not set	296	–	0
isoxaben	whole	0.01	not set	296	–	0
linuron	whole	0.01	0.05	296	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	0.02	296	0	0
methabenthiazuron	whole	0.01	not set	296	–	0
metolachlor	whole	0.01	0.05	296	0	0
metosulam	whole	0.01	0.02	296	0	0
metribuzin	whole	0.01	0.05	296	0	0
metsulfuron–methyl	whole	0.01	0.02	296	0	0
napropamide	whole	0.01	not set	296	–	0
norflurazon	whole	0.01	not set	296	–	0
oryzalin	whole	0.01	0.01	296	0	0
oxyfluorfen	whole	0.01	0.05	296	0	0
paraquat	whole	0.01	0.05	92	0	0
pendimethalin	whole	0.01	not set	296	–	0
picloram	whole	0.01	0.2	296	0	0
propachlor	whole	0.01	0.2	296	0	0
propyzamide	whole	0.01	not set	108	–	0
quizalofop–ethyl	whole	0.01	not set	92	–	0
quizalofop–P–tefuryl	whole	0.01	not set	92	–	0
saflufenacil	whole	0.01	0.03	108	0	0
sethoxydim	whole	0.01	not set	296	–	0
simazine	whole	0.01	not set	296	–	0
tralkoxydim	whole	0.01	0.02	296	0	0
triasulfuron	whole	0.01	0.02	296	0	0
triclopyr	whole	0.01	0.1	296	0	0
trifluralin	whole	0.01	0.05	296	0	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
abamectin	whole	0.01	not set	296	–	0
acephate	whole	0.01	not set	296	–	0
acetamiprid	whole	0.01	not set	296	–	0
aldicarb	whole	0.01	not set	296	–	0
amitraz	whole	0.01	not set	296	–	0
azamethiphos	whole	0.01	0.1	296	0	0
azinphos–methyl	whole	0.01	not set	296	–	0
bifenazate	whole	0.01	not set	296	–	0
bifenthrin	whole	0.01	0.02	296	0	0
bioresmethrin	whole	0.01	not set	296	–	0
buprofezin	whole	0.01	not set	296	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	296	–	0
carbaryl	whole	0.01	10	296	0	0
carbofuran	whole	0.01	not set	296	–	0
chlorantraniliprole	whole	0.01	0.01	296	0	0
chlorfenapyr	whole	0.01	not set	296	–	0
chlorfenvinphos	whole	0.01	not set	296	–	0
chlorpyrifos	whole	0.01	3	296	0	0
chlorpyrifos–methyl	whole	0.01	10	296	1	0
clofentezine	whole	0.01	not set	296	–	0
clothianidin	whole	0.01	0.01	296	0	0
cyfluthrin	whole	0.01	2	296	0	0
cyhalothrin	whole	0.01	0.5	296	0	0
cypermethrin	whole	0.01	1	296	0	0
deltamethrin	whole	0.01	2	296	0	0
diafenthiuron	whole	0.01	not set	296	–	0
diazinon	whole	0.01	0.1	296	0	0
dichlorvos	whole	0.01	0.01	296	0	0
dicofol	whole	0.01	not set	296	–	0
diflubenzuron	whole	0.01	2	296	0	0
dimethoate	whole	0.01	0.05	296	0	0
disulfoton	whole	0.01	not set	296	–	0
emamectin	whole	0.01	not set	296	–	0
endosulfan	whole	0.01	not set	296	–	0
esfenvalerate	whole	0.01	2	296	0	0
ethion	whole	0.01	not set	296	–	0
ethoprophos	whole	0.005	0.005	296	0	0
etoxazole	whole	0.01	not set	296	–	0
fenamiphos	whole	0.01	not set	296	–	0
fenbutatin oxide	whole	0.01	not set	296	–	0
fenitrothion	whole	0.01	10	296	0	0
fenoxycarb	whole	0.01	not set	296	–	0
fenpyroximate	whole	0.01	not set	296	–	0
fenthion	whole	0.01	not set	296	–	0
fenvalerate	whole	0.01	2	296	0	0
fipronil	whole	0.005	0.01	296	0	0
hexythiazox	whole	0.01	not set	296	–	0
imidacloprid	whole	0.01	0.02	296	0	0
indoxacarb	whole	0.01	not set	296	–	0
malathion (maldison)	whole	0.01	8	296	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methacrifos	whole	0.01	not set	296	–	0
methamidophos	whole	0.01	not set	296	–	0
methidathion	whole	0.01	0.01	296	0	0
methiocarb	whole	0.01	not set	296	–	0
methomyl	whole	0.01	0.1	296	0	0
methoprene	whole	0.01	2	296	0	0
methoxychlor	whole	0.01	not set	296	–	0
methoxyfenozide	whole	0.01	not set	296	–	0
mevinphos	whole	0.01	not set	296	–	0
monocrotophos	whole	0.01	not set	296	–	0
omethoate	whole	0.01	0.05	296	0	0
parathion	whole	0.01	not set	296	–	0
parathion–methyl	whole	0.01	not set	296	–	0
permethrin	whole	0.01	2	296	0	0
phenothrin	whole	0.01	not set	296	–	0
phorate	whole	0.01	not set	296	–	0
phosmet	whole	0.01	0.05	296	0	0
piperonyl butoxide	whole	0.01	20	296	0	0
pirimicarb	whole	0.01	0.02	296	0	0
pirimiphos–methyl	whole	0.01	10	296	0	0
profenofos	whole	0.01	not set	296	–	0
propargite	whole	0.01	not set	296	–	1
prothiofos	whole	0.01	not set	296	–	0
pymetrozine	whole	0.01	not set	296	–	0
pyrethrins	whole	0.01	3	296	0	0
pyriproxyfen	whole	0.01	not set	296	–	0
spinetoram	whole	0.01	not set	296	–	0
spinosad	whole	0.01	1	296	0	0
spirotetramat	whole	0.01	not set	296	–	0
sulfoxaflor	whole	0.01	0.01	296	0	0
tau–fluvalinate	whole	0.01	not set	296	–	0
tebufenozide	whole	0.01	not set	296	–	0
tebufenpyrad	whole	0.01	not set	296	–	0
terbufos	whole	0.01	0.01	296	0	0
tetradifon	whole	0.01	not set	296	–	0
thiacloprid	whole	0.01	not set	296	–	0
thiamethoxam	whole	0.01	0.02	296	0	0
thiodicarb	whole	0.01	0.5	296	0	0
triazofos	whole	0.01	not set	296	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.1	296	0	0
triflumuron	whole	0.01	0.05	296	0	0

Table 4 Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	0.02	296	0	0
chlordane	whole	0.01	0.02	296	0	0
DDT	whole	0.01	0.1	296	0	0
endrin	whole	0.01	not set	296	–	0
HCB (hexachlorobenzene)	whole	0.01	0.05	296	0	0
HCH (or BHC)	whole	0.01	0.1	296	0	0
heptachlor	whole	0.01	0.02	296	0	0
lindane (gamma-HCH)	whole	0.01	0.5	296	0	0
mirex	whole	0.01	not set	296	–	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine	whole	0.005	0.1	35	0	0