Sorghum residue testing annual datasets 2023-24

National Residue Survey (NRS), Department of Agriculture, Fisheries and Forestry

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, retina 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: CONTAMINANTS

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	Whole	0.01	0.02	426	0	0
chlordane	Whole	0.01	0.02	426	0	0
DDT	Whole	0.01	0.1	426	0	0
endosulfan	Whole	0.01	not set	426	-	-
endrin	Whole	0.01	not set	426	-	-
HCB (hexachlorobenzene)	Whole	0.01	0.05	426	0	0
HCH (BHC)	Whole	0.01	0.1	426	0	0
heptachlor	Whole	0.01	0.02	426	0	0
lindane (gamma-HCH)	Whole	0.01	0.5	426	0	0
mirex	Whole	0.01	not set	426	-	-

Table 2: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
azoxystrobin	Whole	0.01	not set	426	-	-
benalaxyl	Whole	0.01	not set	426	-	-
benzovindiflupyr	Whole	0.01	not set	426	-	-
bitertanol	Whole	0.01	not set	426	-	-
bixafen	Whole	0.01	0.01	426	0	0
boscalid	Whole	0.01	0.5	426	0	0
bupirimate	Whole	0.01	not set	426	-	-
captafol	Whole	0.01	not set	426	-	-
captan	Whole	0.01	not set	426	-	-
carbendazim	Whole	0.01	not set	426	-	-
carboxin	Whole	0.01	0.1	426	0	0
carboxin sulfoxide	Whole	0.01	not set	426	-	-
chlorothalonil	Whole	0.01	not set	426	-	-
cyproconazole	Whole	0.01	not set	426	-	-
cyprodinil	Whole	0.01	not set	426	-	-
difenoconazole	Whole	0.01	0.01	426	0	0
dimethomorph	Whole	0.01	not set	426	-	-
dithianon	Whole	0.01	not set	426	-	-
dodine	Whole	0.01	not set	426	-	-
epoxiconazole	Whole	0.01	0.05	426	0	0
etridiazole	Whole	0.01	not set	426	-	-
fenarimol	Whole	0.01	not set	426	-	-
fenbuconazole	Whole	0.01	not set	426	-	-
fenhexamid	Whole	0.01	not set	426	-	-
florylpicoxamid	Whole	0.01	not set	248	-	-
fluazinam	Whole	0.01	not set	426	-	-
fludioxonil	Whole	0.01	0.01	426	0	0
fluopicolide	Whole	0.01	0.01	426	0	0
fluopyram	Whole	0.01	0.03	426	0	0
fluquinconazole	Whole	0.01	not set	426	-	-
flusilazole	Whole	0.01	not set	426	-	-
flutriafol	Whole	0.01	0.1	426	0	0
fluxapyroxad	Whole	0.01	0.1	426	0	0
hexaconazole	Whole	0.01	not set	426	-	-
imazalil	Whole	0.01	not set	426	-	-
ipconazole	Whole	0.01	0.01	426	0	0
iprodione	Whole	0.01	not set	426	-	-
isoprothiolane	Whole	0.01	not set	426	-	-
isopyrazam	Whole	0.01	not set	426	-	-

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
kresoxim-methyl	Whole	0.01	not set	426	-	-
metalaxyl	Whole	0.01	0.01	426	0	0
myclobutanil	Whole	0.01	not set	426	-	-
oxadixyl	Whole	0.01	not set	426	-	-
penconazole	Whole	0.01	not set	426	-	-
penflufen	Whole	0.01	0.01	426	0	0
prochloraz	Whole	0.01	not set	426	-	-
procymidone	Whole	0.01	not set	426	-	-
propiconazole	Whole	0.01	0.05	426	0	0
prothioconazole	Whole	0.01	0.3	426	0	0
pydiflumetofen	Whole	0.01	0.05	426	0	0
pyraclostrobin	Whole	0.01	0.01	426	0	0
pyrimethanil	Whole	0.01	not set	426	-	-
quinoxyfen	Whole	0.01	not set	426	-	-
quintozene	Whole	0.01	not set	426	-	-
sedaxane	Whole	0.01	0.01	426	0	0
spiroxamine	Whole	0.01	not set	426	-	-
tebuconazole	Whole	0.01	0.2	426	0	0
thiabendazole	Whole	0.01	not set	426	-	-
tolclofos methyl	Whole	0.01	not set	426	-	-
triadimefon	Whole	0.01	0.5	426	0	0
triadimenol	Whole	0.01	0.5	426	0	0
trifloxystrobin	Whole	0.01	not set	426	-	-
triticonazole	Whole	0.01	0.05	426	0	0
uniconazole-P	Whole	0.01	not set	426	-	-
vinclozolin	Whole	0.01	not set	426	-	-

Table 3: HERBICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
2,2-DPA (2,2-dichloropropionic acid)	Whole	0.01	0.1	426	0	0
2,4-D	Whole	0.01	0.2	426	0	0
2,4-DB	Whole	0.01	0.02	426	0	0
acifluorfen	Whole	0.01	not set	426	-	-
aclonifen	Whole	0.01	not set	248	-	-
ametryn	Whole	0.01	not set	426	-	-
aminopyralid	Whole	0.01	0.1	426	0	0
amitrole	Whole	0.01	0.01	56	0	0
atrazine	Whole	0.01	0.1	426	0	0
bentazone	Whole	0.01	not set	426	-	-

bicyclopyrone	Whole	0.01	not set	426	-	-
bixlozone	Whole	0.01	not set	426	-	-
bromacil	Whole	0.01	not set	426	-	-
bromoxynil	Whole	0.01	0.2	426	0	0
butafenacil	Whole	0.01	0.02	426	0	0
butroxydim	Whole	0.01	not set	426	-	-
carfentrazone-ethyl	Whole	0.01	0.05	426	0	0
chlormequat	Whole	0.01	not set	59	-	-
chlorpropham	Whole	0.01	not set	426	-	-
chlorsulfuron	Whole	0.01	0.05	426	0	0
chlorthal-dimethyl	Whole	0.01	not set	426	-	-
cinmethylin	Whole	0.01	not set	426	-	-
clethodim	Whole	0.01	not set	426	-	-
clodinafop acid	Whole	0.01	not set	426	-	-
clodinafop-propargyl	Whole	0.01	not set	426	-	-
clomazone	Whole	0.01	not set	426	-	-
clopyralid	Whole	0.01	2	426	0	0
cloquintocet-mexyl	Whole	0.01	0.1	426	0	0
cyanazine	Whole	0.01	0.01	426	0	0
dicamba	Whole	0.01	0.05	426	0	0
dichlobenil	Whole	0.01	not set	426	-	-
dichlorprop-P	Whole	0.01	not set	59	-	-
diclofop-methyl	Whole	0.01	0.1	59	0	0
diflufenican	Whole	0.01	not set	426	-	-
dimethenamid-P	Whole	0.01	not set	426	-	-
diquat	Whole	0.01	2	59	0	0
diuron	Whole	0.01	0.1	426	0	0
EPTC	Whole	0.01	0.04	426	0	0
ethofumesate	Whole	0.01	not set	426	-	-
fenoxaprop-ethyl	Whole	0.01	not set	426	-	-
flamprop-M-methyl	Whole	0.01	not set	59	-	-
florasulam	Whole	0.01	0.01	426	0	0
florpyrauxifen-benzyl	Whole		0.02	426	0	0
fluazifop-p-butyl	Whole	0.01	not set	59	-	-
flumetsulam	Whole	0.01	0.05	426	0	0
flumioxazin	Whole	0.01	0.05	426	0	0
fluroxypyr	Whole	0.01	0.2	426	0	0
fomesafen	Whole	0.01	not set	426	-	-
glufosinate	Whole	0.01	0.1	59	0	1
glyphosate	Whole	0.01	15	59	3	0
halauxifen-methyl	Whole	0.01	0.01	426	0	0
halosulfuron-methyl	Whole	0.01	0.05	426	0	0

haloxyfop	Whole	0.005	not set	59	-	-
imazamox	Whole	0.01	0.02	58	0	1
imazapic	Whole	0.01	not set	58	-	-
imazapyr	Whole	0.01	0.02	58	0	1
imazaquin	Whole	0.01	not set	58	-	-
imazethapyr	Whole	0.01	not set	58	-	-
iodosulfuron-methyl	Whole	0.01	not set	426	-	-
ioxynil	Whole	0.01	not set	426	-	-
isoxaben	Whole	0.01	not set	426	-	-
isoxaflutole	Whole	0.01	0.02	426	0	0
linuron	Whole	0.01	0.05	426	0	0
MCPA	Whole	0.01	0.02	426	0	0
MCPB	Whole	0.01	0.02	426	0	0
mefenpyr-diethyl	Whole	0.01	0.01	426	0	0
mesotrione	Whole	0.01	not set	426	-	-
metamitron	Whole	0.01	not set	426	-	-
metazachlor	Whole	0.01	0.03	426	0	0
methabenzthiazuron	Whole	0.01	not set	426	-	-
metolachlor	Whole	0.01	0.05	426	0	0
metosulam	Whole	0.01	0.02	426	0	0
metribuzin	Whole	0.01	0.05	426	0	0
metsulfuron-methyl	Whole	0.01	0.02	426	0	0
napropamide	Whole	0.01	not set	426	-	-
norflurazon	Whole	0.01	not set	426	-	-
oryzalin	Whole	0.01	0.01	426	0	0
oxyfluorfen	Whole	0.01	0.05	426	0	0
paraquat	Whole	0.01	0.05	59	0	0
pendimethalin	Whole	0.01	not set	426	-	-
picloram	Whole	0.01	0.2	426	0	0
picolinafen	Whole	0.01	0.02	426	0	0
pinoxaden (parent)	Whole	0.01	not set	426	-	-
prometryn	Whole	0.01	0.1	426	0	0
propachlor	Whole	0.01	0.2	426	0	0
propaquizafop	Whole	0.01	not set	59	-	-
propyzamide	Whole	0.01	not set	426	-	-
prosulfocarb	Whole	0.01	not set	426	-	-
pyraflufen-ethyl	Whole	0.01	0.02	426	0	0
pyrasulfotole	Whole	0.01	0.02	426	0	0
pyroxasulfone	Whole	0.01	0.01	426	0	0
pyroxsulam	Whole	0.01	not set	426	-	-
quizalofop-ethyl	Whole	0.01	not set	59	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	59	-	-

saflufenacil	Whole	0.01	0.2	426	0	0
sethoxydim	Whole	0.01	not set	426	-	-
simazine	Whole	0.01	not set	426	-	-
sulfosulfuron	Whole	0.01	not set	426	-	-
terbuthylazine	Whole	0.01	0.01	426	0	0
terbutryn	Whole	0.01	0.1	426	0	0
tiafenacil	Whole	0.01	0.01	426	0	0
topramezone	Whole	0.01	not set	426	-	-
tralkoxydim	Whole	0.01	0.02	426	0	0
triallate	Whole	0.01	0.05	426	0	0
triasulfuron	Whole	0.01	0.02	426	0	0
tribenuron-methyl	Whole	0.01	0.01	426	0	0
triclopyr	Whole	0.01	0.1	426	0	0
trifludimoxazin	Whole	0.01	not set	426	-	-
trifluralin	Whole	0.01	0.05	426	0	0

Table 4: INSECTICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
abamectin	Whole	0.01	not set	426	-	-
acephate	Whole	0.01	not set	426	-	-
acetamiprid	Whole	0.01	not set	426	-	-
aldicarb	Whole	0.01	not set	426	-	-
amitraz	Whole	0.01	not set	426	-	-
azamethiphos	Whole	0.01	0.1	426	0	0
azinphos-methyl	Whole	0.01	not set	426	-	-
bifenazate	Whole	0.01	not set	426	-	-
bifenthrin	Whole	0.01	0.02	426	0	0
bioresmethrin	Whole	0.01	not set	426	-	-
buprofezin	Whole	0.01	0.01	426	0	0
cadusafos	Whole	0.01	not set	426	-	-
carbaryl	Whole	0.01	10	426	0	0
carbofuran	Whole	0.01	not set	426	-	-
chlorantraniliprole	Whole	0.01	1	426	0	0
chlorfenapyr	Whole	0.01	not set	426	-	-
chlorfenvinphos	Whole	0.01	not set	426	-	-
chlorpyrifos	Whole	0.01	3	426	0	0
chlorpyrifos-methyl	Whole	0.01	10	426	0	0
clofentezine	Whole	0.01	not set	426	-	-
clothianidin	Whole	0.01	0.01	426	0	0
cyantraniliprole	Whole	0.01	0.01	426	0	0

cyfluthrin	Whole	0.01	not set	426	-	-
cyhalothrin	Whole	0.01	0.5	426	0	0
cypermethrin	Whole	0.01	1	426	0	0
deltamethrin	Whole	0.01	2	426	0	0
diafenthiuron	Whole	0.01	not set	426	-	-
diazinon	Whole	0.01	0.1	426	0	0
dichlorvos	Whole	0.01	0.01	426	0	0
dicofol	Whole	0.01	not set	426	-	-
diflubenzuron	Whole	0.01	not set	426	-	-
dimethoate	Whole	0.01	0.5	426	0	0
dinotefuran	Whole	0.01	not set	426	-	-
disulfoton	Whole	0.01	not set	426	-	-
emamectin	Whole	0.01	0.002	426	0	0
ethion	Whole	0.01	not set	426	-	-
ethoprophos	Whole	0.005	not set	426	-	-
etoxazole	Whole	0.01	not set	426	-	-
fenamiphos	Whole	0.01	not set	426	-	-
fenbutatin oxide	Whole	0.01	not set	426	-	-
fenitrothion	Whole	0.01	10	426	0	0
fenoxycarb	Whole	0.01	not set	426	-	-
fenpyroximate	Whole	0.01	not set	426	-	-
fenthion	Whole	0.01	not set	426	-	-
fenvalerate	Whole	0.01	2	426	0	0
fipronil	Whole	0.002	0.01	426	0	0
flonicamid	Whole	0.01	not set	426	-	-
fluensulfone	Whole	0.01	0.05	426	0	0
flupyradifurone	Whole	0.01	0.2	426	0	0
hexythiazox	Whole	0.01	not set	426	-	-
imidacloprid	Whole	0.01	0.02	426	0	0
indoxacarb	Whole	0.01	not set	426	-	-
malathion	Whole	0.01	8	426	0	0
methacrifos	Whole	0.01	not set	426	-	-
methamidophos	Whole	0.01	not set	426	-	-
methidathion	Whole	0.01	not set	426	-	-
methiocarb	Whole	0.01	not set	426	-	-
methomyl	Whole	0.01	0.1	426	0	0
methoprene	Whole	0.01	2	426	0	0
methoxychlor	Whole	0.01	not set	426	-	-
methoxyfenozide	Whole	0.01	not set	426	-	-
mevinphos	Whole	0.01	not set	426	-	-
monocrotophos	Whole	0.01	not set	426	-	-
omethoate	Whole	0.01	0.05	426	0	0

parathion	Whole	0.01	not set	426	-	-
parathion-methyl	Whole	0.01	not set	426	-	-
permethrin	Whole	0.01	2	426	0	0
phenothrin	Whole	0.01	not set	426	-	-
phorate	Whole	0.01	not set	426	-	-
phosmet	Whole	0.01	0.05	426	0	0
piperonyl butoxide	Whole	0.01	20	426	0	0
pirimicarb	Whole	0.01	0.02	426	0	0
pirimiphos-methyl	Whole	0.01	10	426	0	0
profenofos	Whole	0.01	not set	426	-	-
propargite	Whole	0.01	not set	426	-	-
prothiofos	Whole	0.01	not set	426	-	-
pymetrozine	Whole	0.01	not set	426	-	-
pyrethrins	Whole	0.01	3	426	0	0
pyriproxyfen	Whole	0.01	not set	426	-	-
spinetoram	Whole	0.01	0.01	426	0	0
spinosad	Whole	0.01	1	426	0	0
spirotetramat	Whole	0.01	0.02	426	0	0
sulfoxaflor	Whole	0.01	0.15	426	0	0
tau-fluvalinate	Whole	0.01	not set	426	-	-
tebufenozide	Whole	0.01	not set	426	-	-
tebufenpyrad	Whole	0.01	not set	426	-	-
terbufos	Whole	0.01	0.01	426	0	0
tetradifon	Whole	0.01	not set	426	-	-
tetraniliprole	Whole	0.01	0.01	248	0	0
thiacloprid	Whole	0.01	not set	426	-	-
thiamethoxam	Whole	0.01	0.02	426	0	0
thiodicarb	Whole	0.01	not set	426	-	-
triazofos	Whole	0.01	not set	426	-	-
trichlorfon	Whole	0.01	0.1	426	0	0
triflumuron	Whole	0.01	0.05	426	0	0

Table 5: PHYSIOLOGICAL MODIFIER

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
forchlorfenuron	Whole	0.01	not set	426	-	-
prohexadione-calcium	Whole	0.01	not set	426	-	-
trinexapac-ethyl	Whole	0.01	0.2	426	0	0