



Australian Government

Department of Agriculture, Fisheries and Forestry

Flour 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.

Disclaimer

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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	119	0	0
chlordane	Whole	0.01	0.02	119	0	0
DDT	Whole	0.01	0.1	119	0	0
endosulfan	Whole	0.01	not set	119	-	-
endrin	Whole	0.01	not set	119	-	-
HCB (hexachlorobenzene)	Whole	0.01	0.05	119	0	0
HCH (BHC)	Whole	0.01	0.1	119	0	0
heptachlor	Whole	0.01	0.02	119	0	0
lindane (gamma-HCH)	Whole	0.01	0.5	119	0	0
mirex	Whole	0.01	not set	119	-	-

Table 2: FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>½MRL to ≤MRL	>MRL
azoxystrobin	Whole	0.01	0.02	119	0	0
benalaxyl	Whole	0.01	not set	119	-	-
benzovindiflupyr	Whole	0.01	0.01	119	0	0
bitertanol	Whole	0.01	not set	119	-	-
bixafen	Whole	0.01	0.01	119	0	0
boscalid	Whole	0.01	0.5	119	0	0
bupirimate	Whole	0.01	not set	119	-	-
captafol	Whole	0.01	not set	119	-	-
captan	Whole	0.01	not set	119	-	-
carbendazim	Whole	0.01	not set	119	-	-
carboxin	Whole	0.01	0.1	119	0	0
carboxin sulfoxide	Whole	0.01	not set	119	-	-
chlorothalonil	Whole	0.01	not set	119	-	-
cyproconazole	Whole	0.01	0.02	119	0	0
cyprodinil	Whole	0.01	not set	119	-	-
difenoconazole	Whole	0.01	0.01	119	0	0
dimethomorph	Whole	0.01	not set	119	-	-
dithianon	Whole	0.01	not set	119	-	-
dodine	Whole	0.01	not set	119	-	-
epoxiconazole	Whole	0.01	0.05	119	0	0
etridiazole	Whole	0.01	not set	119	-	-
fenarimol	Whole	0.01	not set	119	-	-
fenbuconazole	Whole	0.01	not set	119	-	-
fenhexamid	Whole	0.01	not set	119	-	-
florylpicoxamid	Whole	0.01	0.02	76	0	0
fluazinam	Whole	0.01	not set	119	-	-
fludioxonil	Whole	0.01	not set	119	-	-
fluopicolide	Whole	0.01	0.01	119	0	0
fluopyram	Whole	0.01	0.03	119	0	0
fluquinconazole	Whole	0.01	0.02	119	0	0
flusilazole	Whole	0.01	not set	119	-	-
flutriafol	Whole	0.01	0.1	119	0	0
fluxapyroxad	Whole	0.01	0.01	119	0	0
hexaconazole	Whole	0.01	not set	119	-	-
imazalil	Whole	0.01	not set	119	-	-
ipconazole	Whole	0.01	0.01	119	0	0
iprodione	Whole	0.01	not set	119	-	-
isoprothiolane	Whole	0.01	not set	119	-	-
isopyrazam	Whole	0.01	not set	119	-	-

kresoxim-methyl	Whole	0.01	not set	119	-	-
metalaxyl	Whole	0.01	0.01	119	0	0
myclobutanil	Whole	0.01	not set	119	-	-
oxadixyl	Whole	0.01	not set	119	-	-
penconazole	Whole	0.01	not set	119	-	-
penflufen	Whole	0.01	0.01	119	0	0
prochloraz	Whole	0.01	not set	119	-	-
procymidone	Whole	0.01	not set	119	-	-
propiconazole	Whole	0.01	0.05	119	0	0
prothioconazole	Whole	0.01	0.3	119	0	0
pydiflumetofen	Whole	0.01	0.05	119	0	0
pyraclostrobin	Whole	0.01	0.01	119	0	0
pyrimethanil	Whole	0.01	not set	119	-	-
quinoxifen	Whole	0.01	not set	119	-	-
quintozene	Whole	0.01	not set	119	-	-
sedaxane	Whole	0.01	0.01	119	0	0
spiroxamine	Whole	0.01	not set	119	-	-
tebuconazole	Whole	0.01	0.2	119	0	0
thiabendazole	Whole	0.01	not set	119	-	-
tolclofos methyl	Whole	0.01	not set	119	-	-
triadimefon	Whole	0.01	0.5	119	0	0
triadimenol	Whole	0.01	0.01	119	0	0
trifloxystrobin	Whole	0.01	not set	119	-	-
triticonazole	Whole	0.01	0.05	119	0	0
uniconazole-P	Whole	0.01	not set	119	-	-
vinclozolin	Whole	0.01	not set	119	-	-

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	119	0	0
2,4-D	Whole	0.01	0.2	119	0	0
2,4-DB	Whole	0.01	0.02	119	0	0
acifluorfen	Whole	0.01	not set	119	-	-
aclonifen	Whole	0.01	0.01	76	0	0
ametryn	Whole	0.01	not set	119	-	-
aminopyralid	Whole	0.01	0.1	119	0	0
amitrole	Whole	0.01	0.01	21	0	0
atrazine	Whole	0.01	not set	119	-	-
bentazone	Whole	0.01	not set	119	-	-

bicyclopyrone	Whole	0.01	0.02	119	0	0
bixlozone	Whole	0.01	0.01	119	0	0
bromacil	Whole	0.01	not set	119	-	-
bromoxynil	Whole	0.01	0.2	119	0	0
butafenacil	Whole	0.01	0.02	119	0	0
butoxydim	Whole	0.01	not set	119	-	-
carfentrazone-ethyl	Whole	0.01	0.05	119	0	0
chlormequat	Whole	0.01	5	21	0	0
chlorpropham	Whole	0.01	not set	119	-	-
chlorsulfuron	Whole	0.01	0.05	119	0	0
chlorthal-dimethyl	Whole	0.01	not set	119	-	-
cinmethylin	Whole	0.01	0.01	119	0	0
clethodim	Whole	0.01	0.1	119	0	0
clodinafop acid	Whole	0.01	0.1	119	0	0
clodinafop-propargyl	Whole	0.01	0.05	119	0	0
clomazone	Whole	0.01	not set	119	-	-
clopyralid	Whole	0.01	2	119	0	0
cloquintocet-mexyl	Whole	0.01	0.1	119	0	0
cyanazine	Whole	0.01	0.01	119	0	0
dicamba	Whole	0.01	0.05	119	0	0
dichlobenil	Whole	0.01	not set	119	-	-
dichlorprop-P	Whole	0.01	not set	21	-	-
diclofop-methyl	Whole	0.01	0.1	21	0	0
diflufenican	Whole	0.01	0.02	119	0	0
dimethenamid-P	Whole	0.01	not set	119	-	-
diquat	Whole	0.01	2	21	0	0
diuron	Whole	0.01	0.1	119	0	0
EPTC	Whole	0.01	0.04	119	0	0
ethofumesate	Whole	0.01	not set	119	-	-
fenoxaprop-ethyl	Whole	0.01	0.01	119	0	0
flamprop-M-methyl	Whole	0.01	0.05	21	0	0
florasulam	Whole	0.01	0.01	119	0	0
florpyrauxifen-benzyl	Whole		not set	119	-	-
fluazifop-p-butyl	Whole	0.01	not set	21	-	-
flumetsulam	Whole	0.01	0.05	119	0	0
flumioxazin	Whole	0.01	0.05	119	0	0
fluroxypyr	Whole	0.01	0.2	119	0	0
fomesafen	Whole	0.01	not set	119	-	-
glufosinate	Whole	0.01	0.1	21	0	0
glyphosate	Whole	0.01	5	21	0	0
halauxifen-methyl	Whole	0.01	0.01	119	0	0
halosulfuron-methyl	Whole	0.01	not set	119	-	-

haloxyfop	Whole	0.005	not set	21	-	-
iodosulfuron-methyl	Whole	0.01	0.01	119	0	0
ioxynil	Whole	0.01	not set	119	-	-
isoxaben	Whole	0.01	0.01	119	0	0
isoxaflutole	Whole	0.01	0.02	119	0	0
linuron	Whole	0.01	0.05	119	0	0
MCPA	Whole	0.01	0.02	119	0	0
MCPB	Whole	0.01	0.02	119	0	0
mefenpyr-diethyl	Whole	0.01	0.01	119	0	0
mesotrione	Whole	0.01	0.01	119	0	0
metamitron	Whole	0.01	not set	119	-	-
metazachlor	Whole	0.01	0.03	119	0	0
methabenzthiazuron	Whole	0.01	not set	119	-	-
metolachlor	Whole	0.01	0.02	119	0	0
metosulam	Whole	0.01	0.02	119	0	0
metribuzin	Whole	0.01	0.05	119	0	0
metsulfuron-methyl	Whole	0.01	0.02	119	0	0
napropamide	Whole	0.01	not set	119	-	-
norflurazon	Whole	0.01	not set	119	-	-
oryzalin	Whole	0.01	0.01	119	0	0
oxyfluorfen	Whole	0.01	0.05	119	0	0
paraquat	Whole	0.01	0.05	21	0	0
pendimethalin	Whole	0.01	0.05	119	0	0
picloram	Whole	0.01	0.2	119	0	0
picolinafen	Whole	0.01	0.02	119	0	0
pinoxaden (parent)	Whole	0.01	not set	119	-	-
prometryn	Whole	0.01	0.1	119	0	0
propachlor	Whole	0.01	0.05	119	0	0
propaquizafop	Whole	0.01	not set	21	-	-
propyzamide	Whole	0.01	not set	119	-	-
prosulfocarb	Whole	0.01	0.01	119	0	0
pyraflufen-ethyl	Whole	0.01	0.02	119	0	0
pyrasulfotole	Whole	0.01	0.02	119	0	0
pyroxasulfone	Whole	0.01	0.01	119	0	0
pyroxulam	Whole	0.01	0.01	119	0	0
quizalofop-ethyl	Whole	0.01	not set	21	-	-
quizalofop-P-tefuryl	Whole	0.01	not set	21	-	-
saflufenacil	Whole	0.01	0.2	119	0	0
sethoxydim	Whole	0.01	0.1	119	0	0
simazine	Whole	0.01	not set	119	-	-
sulfosulfuron	Whole	0.01	0.01	119	0	0
terbuthylazine	Whole	0.01	0.01	119	0	0

terbutryn	Whole	0.01	0.1	119	0	0
tiafenacil	Whole	0.01	0.01	119	0	0
topramezone	Whole	0.01	0.01	119	0	0
tralkoxydim	Whole	0.01	0.02	119	0	0
triallate	Whole	0.01	0.05	119	0	0
triasulfuron	Whole	0.01	0.02	119	0	0
tribenuron-methyl	Whole	0.01	0.01	119	0	0
triclopyr	Whole	0.01	not set	119	-	-
trifludimoxazin	Whole	0.01	0.01	119	0	0
trifluralin	Whole	0.01	0.05	119	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	119	-	-
acephate	Whole	0.01	not set	119	-	-
acetamiprid	Whole	0.01	not set	119	-	-
aldicarb	Whole	0.01	not set	119	-	-
amitraz	Whole	0.01	not set	119	-	-
azamethiphos	Whole	0.01	0.1	119	0	0
azinphos-methyl	Whole	0.01	not set	119	-	-
bifenazate	Whole	0.01	not set	119	-	-
bifenthrin	Whole	0.01	0.02	119	0	0
bioresmethrin	Whole	0.01	not set	119	-	-
buprofezin	Whole	0.01	0.01	119	0	0
cadusafos	Whole	0.01	not set	119	-	-
carbaryl	Whole	0.01	5	119	0	0
carbofuran	Whole	0.01	not set	119	-	-
chlorantraniliprole	Whole	0.01	0.1	119	0	0
chlorfenapyr	Whole	0.01	not set	119	-	-
chlorfenvinphos	Whole	0.01	0.05	119	0	0
chlorpyrifos	Whole	0.01	0.1	119	0	0
chlorpyrifos-methyl	Whole	0.01	10	119	0	0
clofentezine	Whole	0.01	not set	119	-	-
clothianidin	Whole	0.01	0.02	119	0	0
cyantraniliprole	Whole	0.01	0.05	119	0	0
cyfluthrin	Whole	0.01	not set	119	-	-
cyhalothrin	Whole	0.01	0.05	119	0	0
cypermethrin	Whole	0.01	0.2	119	0	0
deltamethrin	Whole	0.01	2	119	0	0
diafenthion	Whole	0.01	not set	119	-	-

diazinon	Whole	0.01	0.1	119	0	0
dichlorvos	Whole	0.01	0.01	119	0	0
dicofol	Whole	0.01	not set	119	-	-
diflubenzuron	Whole	0.01	not set	119	-	-
dimethoate	Whole	0.01	0.5	119	0	0
dinotefuran	Whole	0.01	not set	119	-	-
disulfoton	Whole	0.01	not set	119	-	-
emamectin	Whole	0.01	0.01	119	0	0
ethion	Whole	0.01	not set	119	-	-
ethoprophos	Whole	0.005	not set	119	-	-
etoxazole	Whole	0.01	not set	119	-	-
fenamiphos	Whole	0.01	not set	119	-	-
fenbutatin oxide	Whole	0.01	not set	119	-	-
fenitrothion	Whole	0.01	10	119	0	0
fenoxycarb	Whole	0.01	not set	119	-	-
fenpyroximate	Whole	0.01	not set	119	-	-
fenthion	Whole	0.01	not set	119	-	-
fenvalerate	Whole	0.01	2	119	0	0
fipronil	Whole	0.002	not set	119	-	-
flonicamid	Whole	0.01	not set	119	-	-
fluensulfone	Whole	0.01	0.05	119	0	0
flupyradifurone	Whole	0.01	0.2	119	0	0
hexythiazox	Whole	0.01	not set	119	-	-
imidacloprid	Whole	0.01	0.05	119	0	0
indoxacarb	Whole	0.01	not set	119	-	-
malathion	Whole	0.01	8	119	0	0
methacrifos	Whole	0.01	not set	119	-	-
methamidophos	Whole	0.01	not set	119	-	-
methidathion	Whole	0.01	not set	119	-	-
methiocarb	Whole	0.01	not set	119	-	-
methomyl	Whole	0.01	0.1	119	0	0
methoprene	Whole	0.01	2	119	0	0
methoxychlor	Whole	0.01	not set	119	-	-
methoxyfenozide	Whole	0.01	not set	119	-	-
mevinphos	Whole	0.01	not set	119	-	-
monocrotophos	Whole	0.01	not set	119	-	-
omethoate	Whole	0.01	0.05	119	0	0
parathion	Whole	0.01	not set	119	-	-
parathion-methyl	Whole	0.01	not set	119	-	-
permethrin	Whole	0.01	2	119	0	0
phenothrin	Whole	0.01	2	119	0	0
phorate	Whole	0.01	not set	119	-	-

phosmet	Whole	0.01	0.05	119	0	0
piperonyl butoxide	Whole	0.01	20	119	0	0
pirimicarb	Whole	0.01	0.02	119	0	0
pirimiphos-methyl	Whole	0.01	10	119	0	0
profenofos	Whole	0.01	not set	119	-	-
propargite	Whole	0.01	not set	119	-	-
prothiofos	Whole	0.01	not set	119	-	-
pymetrozine	Whole	0.01	not set	119	-	-
pyrethrins	Whole	0.01	3	119	0	0
pyriproxyfen	Whole	0.01	not set	119	-	-
spinetoram	Whole	0.01	not set	119	-	-
spinosad	Whole	0.01	1	119	0	0
spirotetramat	Whole	0.01	not set	119	-	-
sulfoxaflor	Whole	0.01	0.05	119	0	0
tau-fluvalinate	Whole	0.01	not set	119	-	-
tebufenozide	Whole	0.01	not set	119	-	-
tebufenpyrad	Whole	0.01	not set	119	-	-
terbufos	Whole	0.01	0.01	119	0	0
tetradifon	Whole	0.01	not set	119	-	-
tetraniliprole	Whole	0.01	not set	76	-	-
thiacloprid	Whole	0.01	not set	119	-	-
thiamethoxam	Whole	0.01	0.01	119	0	0
thiodicarb	Whole	0.01	not set	119	-	-
triazofos	Whole	0.01	not set	119	-	-
trichlorfon	Whole	0.01	0.1	119	0	0
triflumuron	Whole	0.01	0.05	119	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	119	-	-
prohexadione-calcium	Whole	0.01	not set	119	-	-
trinexapac-ethyl	Whole	0.01	0.2	119	0	0