



Sunflower 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	21	–	0
benalaxyl	whole	0.01	not set	21	–	0
bitertanol	whole	0.01	not set	21	–	0
boscalid	whole	0.01	0.5	21	0	0
bupirimate	whole	0.01	not set	21	–	0
captafol	whole	0.02	not set	21	–	0
captan	whole	0.02	not set	21	–	0
carbendazim	whole	0.01	not set	21	–	0
chlorothalonil	whole	0.01	0.01	21	0	0
cyproconazole	whole	0.01	not set	21	–	0
cyprodinil	whole	0.01	not set	21	–	0
difenoconazole	whole	0.01	not set	21	–	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	21	–	0
dithianon	whole	0.01	not set	21	–	0
dodine	whole	0.01	not set	21	–	0
epoxiconazole	whole	0.01	not set	21	–	0
etridiazole	whole	0.01	not set	21	–	0
fenarimol	whole	0.01	not set	21	–	0
fenhexamid	whole	0.01	not set	21	–	0
fluazinam	whole	0.01	not set	21	–	0
fludioxonil	whole	0.01	0.02	21	0	0
fluquinconazole	whole	0.01	not set	21	–	0
flusilazole	whole	0.01	not set	21	–	0
flutriafol	whole	0.01	not set	21	–	0
fluxapyroxad	whole	0.01	0.1	21	0	0
hexaconazole	whole	0.01	not set	21	–	0
imazalil	whole	0.01	not set	21	–	0
ipconazole	whole	0.01	not set	21	–	0
iprodione	whole	0.01	not set	21	–	0
kresoxim–methyl	whole	0.01	not set	21	–	0
metalaxyl	whole	0.01	not set	21	–	0
myclobutanil	whole	0.01	not set	21	–	0
oxadixyl	whole	0.01	not set	21	–	0
penconazole	whole	0.01	not set	21	–	0
prochloraz	whole	0.01	not set	21	–	0
procymidone	whole	0.01	not set	21	–	0
propiconazole	whole	0.01	2	21	0	0
prothioconazole	whole	0.01	not set	21	–	0
pyraclostrobin	whole	0.01	0.3	21	0	0
pyrimethanil	whole	0.01	not set	21	–	0
spiroxamine	whole	0.01	not set	21	–	0
tebuconazole	whole	0.01	not set	21	–	0
thiabendazole	whole	0.01	not set	21	–	0
tolclofos methyl	whole	0.01	not set	21	–	0
triadimefon	whole	0.01	not set	21	–	0
triadimenol	whole	0.01	not set	21	–	0
trifloxystrobin	whole	0.01	not set	21	–	0
triticonazole	whole	0.01	not set	21	–	0
vinclozolin	whole	0.01	not set	21	–	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	21	0	0
2,4-D	whole	0.01	0.05	21	0	0
amitrole	whole	0.01	0.01	10	0	0
atrazine	whole	0.01	not set	21	–	0
bromacil	whole	0.01	not set	21	–	0
bromoxynil	whole	0.01	not set	21	–	0
carfentrazone-ethyl	whole	0.01	not set	21	–	0
chlorpropham	whole	0.01	not set	21	–	0
chlorsulfuron	whole	0.01	not set	21	–	0
chlorthal-dimethyl	whole	0.01	not set	21	–	0
clethodim (parent only)	whole	0.01	0.1	21	0	0
clodinafop-propargyl	whole	0.01	not set	21	–	0
clopyralid	whole	0.01	not set	21	–	0
cyanazine	whole	0.01	not set	21	–	0
dicamba	whole	0.01	not set	21	–	0
dichlobenil	whole	0.01	not set	21	–	0
dichlorprop-P	whole	0.01	not set	21	–	0
diclofop-methyl	whole	0.01	0.1	10	0	0
diflufenican	whole	0.01	not set	21	–	0
diquat	whole	0.01	5	10	0	0
diuron	whole	0.01	0.5	21	0	0
ethofumesate	whole	0.01	not set	21	–	0
fenoxaprop-ethyl	whole	0.01	not set	10	–	0
flamprop-M-methyl	whole	0.01	not set	10	–	0
fluazifop-p-butyl	whole	0.01	0.5	10	0	0
flumetsulam	whole	0.01	not set	21	–	0
glufosinate	whole	0.01	not set	10	–	0
glyphosate	whole	0.01	20	10	0	0
haloxyfop	whole	0.01	0.05	10	0	0
imazamox	whole	0.01	not set	21	–	0
imazapic	whole	0.01	not set	21	–	0
imazapyr	whole	0.01	not set	21	–	0
imazaquin	whole	0.01	not set	21	–	0
imazethapyr	whole	0.01	not set	21	–	0
iodosulfuron-methyl	whole	0.01	not set	21	–	0
ioxynil	whole	0.01	not set	21	–	0
isoxaben	whole	0.01	not set	21	–	0
linuron	whole	0.01	not set	21	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	21	–	0
methabenthiazuron	whole	0.01	not set	21	–	0
metolachlor	whole	0.01	0.05	21	0	0
metosulam	whole	0.01	not set	21	–	0
metribuzin	whole	0.01	not set	21	–	0
metsulfuron–methyl	whole	0.01	not set	21	–	0
napropamide	whole	0.01	not set	21	–	0
norflurazon	whole	0.01	not set	21	–	0
oryzalin	whole	0.01	not set	21	–	0
oxyfluorfen	whole	0.01	not set	21	–	0
paraquat	whole	0.01	not set	10	–	0
pendimethalin	whole	0.01	0.05	21	0	0
picloram	whole	0.01	not set	21	–	0
propachlor	whole	0.01	not set	21	–	0
propyzamide	whole	0.01	not set	1	–	0
quizalofop–ethyl	whole	0.01	0.05	10	0	0
quizalofop–P–tefuryl	whole	0.01	0.05	10	0	0
saflufenacil	whole	0.01	0.03	1	0	0
sethoxydim	whole	0.01	0.1	21	0	0
simazine	whole	0.01	not set	21	–	0
tralkoxydim	whole	0.01	not set	21	–	0
triasulfuron	whole	0.01	not set	21	–	0
triclopyr	whole	0.01	not set	21	–	0
trifluralin	whole	0.01	0.05	21	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	21	–	0
acephate	whole	0.01	not set	21	–	0
acetamiprid	whole	0.01	not set	21	–	0
aldicarb	whole	0.01	not set	21	–	0
amitraz	whole	0.01	not set	21	–	0
azamethiphos	whole	0.01	not set	21	–	0
azinphos–methyl	whole	0.01	not set	21	–	0
bifenazate	whole	0.01	not set	21	–	0
bifenthrin	whole	0.01	not set	21	–	0
bioresmethrin	whole	0.01	not set	21	–	0
buprofezin	whole	0.01	not set	21	–	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	21	–	0
carbaryl	whole	0.01	0.1	21	0	0
carbofuran	whole	0.01	not set	21	–	0
chlorantraniliprole	whole	0.01	2	21	0	0
chlorfenapyr	whole	0.01	not set	21	–	0
chlorfenvinphos	whole	0.01	not set	21	–	0
chlorpyrifos	whole	0.01	0.01	21	0	0
chlorpyrifos–methyl	whole	0.01	not set	21	–	0
clofentezine	whole	0.01	not set	21	–	0
clothianidin	whole	0.01	0.01	21	0	0
cyfluthrin	whole	0.01	not set	21	–	0
cyhalothrin	whole	0.01	0.01	21	0	0
cypermethrin	whole	0.01	0.1	21	0	0
deltamethrin	whole	0.01	0.1	21	0	0
diafenthiuron	whole	0.01	not set	21	–	0
diazinon	whole	0.01	not set	21	–	0
dichlorvos	whole	0.01	0.01	21	0	0
dicofol	whole	0.01	not set	21	–	0
diflubenzuron	whole	0.01	not set	21	–	0
dimethoate	whole	0.01	0.2	21	0	0
disulfoton	whole	0.01	not set	21	–	0
emamectin	whole	0.01	not set	21	–	0
endosulfan	whole	0.01	not set	21	–	0
esfenvalerate	whole	0.01	0.5	21	0	0
ethion	whole	0.01	not set	21	–	0
ethoprophos	whole	0.005	not set	21	–	0
etoxazole	whole	0.01	not set	21	–	0
fenamiphos	whole	0.01	not set	21	–	0
fenbutatin oxide	whole	0.01	not set	21	–	0
fenitrothion	whole	0.01	0.1	21	0	0
fenoxycarb	whole	0.01	not set	21	–	0
fenpyroximate	whole	0.01	not set	21	–	0
fenthion	whole	0.01	not set	21	–	0
fenvalerate	whole	0.01	0.5	21	0	0
fipronil	whole	0.005	0.01	21	0	0
hexythiazox	whole	0.01	not set	21	–	0
imidacloprid	whole	0.01	0.02	21	0	0
indoxacarb	whole	0.01	1	21	0	0
malathion	whole	0.01	10	21	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	21	–	0
methamidophos	whole	0.01	not set	21	–	0
methidathion	whole	0.01	1	21	0	0
methiocarb	whole	0.01	not set	21	–	0
methomyl	whole	0.01	0.1	21	0	0
methoprene	whole	0.01	not set	21	–	0
methoxychlor	whole	0.01	not set	21	–	0
methoxyfenozide	whole	0.01	not set	21	–	0
mevinphos	whole	0.01	not set	21	–	0
monocrotophos	whole	0.01	not set	21	–	0
omethoate	whole	0.01	0.05	21	0	0
parathion	whole	0.01	not set	21	–	0
parathion–methyl	whole	0.01	not set	21	–	0
permethrin	whole	0.01	0.2	21	0	0
phenothrin	whole	0.01	not set	21	–	0
phorate	whole	0.01	not set	21	–	0
phosmet	whole	0.01	not set	21	–	0
piperonyl butoxide	whole	0.01	8	21	0	0
pirimicarb	whole	0.01	not set	21	–	0
pirimiphos–methyl	whole	0.01	not set	21	–	0
profenofos	whole	0.01	not set	21	–	0
propargite	whole	0.01	not set	21	–	0
prothiofos	whole	0.01	not set	21	–	0
pymetrozine	whole	0.01	not set	21	–	0
pyrethrins	whole	0.01	1	21	0	0
pyriproxyfen	whole	0.01	not set	21	–	0
spinetoram	whole	0.01	not set	21	–	0
spinosad	whole	0.01	not set	21	–	0
spirotetramat	whole	0.01	not set	21	–	0
sulfoxaflor	whole	0.01	not set	21	–	0
tau–fluvalinate	whole	0.01	not set	21	–	0
tebufenozide	whole	0.01	not set	21	–	0
tebufenpyrad	whole	0.01	not set	21	–	0
terbufos	whole	0.01	0.05	21	0	0
tetradifon	whole	0.01	not set	21	–	0
thiacloprid	whole	0.01	not set	21	–	0
thiamethoxam	whole	0.01	0.02	21	0	0
thiodicarb	whole	0.01	not set	21	–	0
triazofos	whole	0.01	not set	21	–	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.1	21	0	0
triflumuron	whole	0.01	not set	21	-	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	not set	21	-	0
chlordane	whole	0.01	not set	21	-	0
DDT	whole	0.01	not set	21	-	0
endrin	whole	0.01	not set	21	-	0
HCB (hexachlorobenzene)	whole	0.01	not set	21	-	0
HCH (or BHC)	whole	0.01	not set	21	-	0
heptachlor	whole	0.01	not set	21	-	0
lindane (gamma-HCH)	whole	0.01	0.05	21	0	0
mirex	whole	0.01	not set	21	-	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	whole	0.005	0.01	3	0	0