



Canola 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)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azoxystrobin	whole	0.01	0.7	526	0	0
benalaxyl	whole	0.01	not set	526	–	0
bitertanol	whole	0.01	not set	526	–	0
boscalid	whole	0.01	0.5	526	0	0
bupirimate	whole	0.01	not set	526	–	0
captafol	whole	0.02	not set	526	–	0
captan	whole	0.02	not set	526	–	0
carbendazim	whole	0.01	not set	526	–	0
chlorothalonil	whole	0.01	not set	526	–	0
cyproconazole	whole	0.01	0.7	526	0	0
cyprodinil	whole	0.01	not set	526	–	0
difenoconazole	whole	0.01	not set	526	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	526	–	0
dithianon	whole	0.01	not set	526	–	0
dodine	whole	0.01	not set	526	–	0
epoxiconazole	whole	0.01	not set	526	–	0
etridiazole	whole	0.01	not set	526	–	0
fenarimol	whole	0.01	not set	526	–	0
fenhexamid	whole	0.01	not set	526	–	0
fluazinam	whole	0.01	not set	526	–	0
fludioxonil	whole	0.01	0.01	526	0	0
fluquinconazole	whole	0.01	0.01	526	0	1
flusilazole	whole	0.01	not set	526	–	0
flutriafol	whole	0.01	0.02	526	9	11
fluxapyroxad	whole	0.01	0.1	526	0	0
hexaconazole	whole	0.01	not set	526	–	0
imazalil	whole	0.01	not set	526	–	0
ipconazole	whole	0.01	not set	526	–	0
iprodione	whole	0.01	0.5	526	0	0
kresoxim–methyl	whole	0.01	not set	526	–	0
metalaxyl	whole	0.01	not set	526	–	0
myclobutanil	whole	0.01	not set	526	–	0
oxadixyl	whole	0.01	not set	526	–	0
penconazole	whole	0.01	not set	526	–	0
prochloraz	whole	0.01	not set	526	–	0
procymidone	whole	0.01	1	526	0	0
propiconazole	whole	0.01	not set	526	–	0
prothioconazole	whole	0.01	0.02	526	0	0
pyraclostrobin	whole	0.01	not set	526	–	0
pyrimethanil	whole	0.01	not set	526	–	0
quinoxifen	whole	0.01	not set	31	–	0
spiroxamine	whole	0.01	not set	526	–	0
tebuconazole	whole	0.01	0.3	526	0	0
thiabendazole	whole	0.01	not set	526	–	0
tolclofos methyl	whole	0.01	not set	526	–	0
triadimefon	whole	0.01	not set	526	–	2
triadimenol	whole	0.01	not set	526	–	0
trifloxystrobin	whole	0.01	0.02	526	0	0
triticonazole	whole	0.01	not set	526	–	0
vinclozolin	whole	0.01	not set	526	–	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	not set	526	–	0
2,4-D	whole	0.01	0.05	526	0	0
amitrole	whole	0.01	0.01	181	0	0
atrazine	whole	0.01	0.02	526	0	0
bromacil	whole	0.01	not set	526	–	0
bromoxynil	whole	0.01	not set	526	–	0
carfentrazone-ethyl	whole	0.01	not set	526	–	0
chlorpropham	whole	0.01	not set	526	–	0
chlorsulfuron	whole	0.01	not set	526	–	0
chlorthal-dimethyl	whole	0.01	not set	526	–	0
clethodim (parent only)	whole	0.01	0.5	526	0	0
clodinafop-propargyl	whole	0.01	not set	526	–	0
clopyralid	whole	0.01	0.5	526	0	0
cyanazine	whole	0.01	not set	526	–	0
dicamba	whole	0.01	not set	526	–	0
dichlobenil	whole	0.01	not set	526	–	0
dichlorprop-P	whole	0.01	not set	526	–	0
diclofop-methyl	whole	0.01	0.1	181	0	0
diflufenican	whole	0.01	not set	526	–	0
diquat	whole	0.01	5	181	0	0
diuron	whole	0.01	0.5	526	0	0
ethofumesate	whole	0.01	not set	526	–	0
fenoxaprop-ethyl	whole	0.01	not set	181	–	0
flamprop-M-methyl	whole	0.01	not set	181	–	0
fluazifop-p-butyl	whole	0.01	0.5	181	0	0
flumetsulam	whole	0.01	not set	526	–	0
glufosinate	whole	0.01	0.05	181	0	0
glyphosate	whole	0.01	20	181	0	0
haloxyfop	whole	0.01	0.1	181	17	17
imazamox	whole	0.01	0.05	526	0	0
imazapic	whole	0.01	0.05	526	0	0
imazapyr	whole	0.01	0.05	526	0	0
imazaquin	whole	0.01	not set	526	–	0
imazethapyr	whole	0.01	not set	526	–	0
iodosulfuron-methyl	whole	0.01	not set	526	–	0
ioxynil	whole	0.01	not set	526	–	0
isoxaben	whole	0.01	not set	526	–	0
linuron	whole	0.01	not set	526	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	526	–	0
methabenthiazuron	whole	0.01	not set	526	–	0
metolachlor	whole	0.01	0.02	526	0	0
metosulam	whole	0.01	not set	526	–	0
metribuzin	whole	0.01	0.02	526	0	0
metsulfuron–methyl	whole	0.01	not set	526	–	0
napropamide	whole	0.01	not set	526	–	0
norflurazon	whole	0.01	not set	526	–	0
oryzalin	whole	0.01	0.05	526	0	0
oxyfluorfen	whole	0.01	not set	526	–	0
paraquat	whole	0.01	not set	181	–	0
pendimethalin	whole	0.01	0.05	526	0	0
picloram	whole	0.01	not set	526	–	0
propachlor	whole	0.01	not set	526	–	0
propyzamide	whole	0.01	0.02	360	0	0
quizalofop–ethyl	whole	0.01	0.02	181	0	0
quizalofop–P–tefuryl	whole	0.01	0.02	181	0	0
saflufenacil	whole	0.01	0.03	360	0	0
sethoxydim	whole	0.01	0.5	526	0	0
simazine	whole	0.01	0.02	526	0	0
tralkoxydim	whole	0.01	not set	526	–	0
triasulfuron	whole	0.01	not set	526	–	0
triclopyr	whole	0.01	not set	526	–	0
trifluralin	whole	0.01	0.05	526	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	526	–	0
acephate	whole	0.01	not set	526	–	0
acetamiprid	whole	0.01	not set	526	–	0
aldicarb	whole	0.01	not set	526	–	0
amitraz	whole	0.01	not set	526	–	0
azamethiphos	whole	0.01	not set	526	–	0
azinphos–methyl	whole	0.01	not set	526	–	0
bifenazate	whole	0.01	not set	526	–	0
bifenthrin	whole	0.01	0.02	526	0	0
bioresmethrin	whole	0.01	not set	526	–	0
buprofezin	whole	0.01	not set	526	–	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	526	–	0
carbaryl	whole	0.01	0.1	526	2	0
carbofuran	whole	0.01	not set	526	–	0
chlorantraniliprole	whole	0.01	0.01	526	0	0
chlorfenapyr	whole	0.01	not set	526	–	0
chlorfenvinphos	whole	0.01	not set	526	–	0
chlorpyrifos	whole	0.01	0.01	526	0	0
chlorpyrifos–methyl	whole	0.01	not set	526	–	1
clofentezine	whole	0.01	not set	526	–	0
clothianidin	whole	0.01	0.01	526	0	0
cyfluthrin	whole	0.01	0.05	526	0	0
cyhalothrin	whole	0.01	0.02	526	0	0
cypermethrin	whole	0.01	0.2	526	0	0
deltamethrin	whole	0.01	0.1	526	0	0
diafenthiuron	whole	0.01	not set	526	–	0
diazinon	whole	0.01	not set	526	–	0
dichlorvos	whole	0.01	0.01	526	0	0
dicofol	whole	0.01	not set	526	–	0
diflubenzuron	whole	0.01	not set	526	–	0
dimethoate	whole	0.01	0.2	526	0	0
disulfoton	whole	0.01	not set	526	–	0
emamectin	whole	0.01	0.01	526	0	0
endosulfan	whole	0.01	not set	526	–	0
esfenvalerate	whole	0.01	0.5	526	0	0
ethion	whole	0.01	not set	526	–	0
ethoprophos	whole	0.005	not set	526	–	0
etoxazole	whole	0.01	not set	526	–	0
fenamiphos	whole	0.01	not set	526	–	0
fenbutatin oxide	whole	0.01	not set	526	–	0
fenitrothion	whole	0.01	0.1	526	0	0
fenoxycarb	whole	0.01	not set	526	–	0
fenpyroximate	whole	0.01	not set	526	–	0
fenthion	whole	0.01	not set	526	–	0
fenvalerate	whole	0.01	0.5	526	0	0
fipronil	whole	0.005	0.01	526	0	0
hexythiazox	whole	0.01	not set	526	–	0
imidacloprid	whole	0.01	0.05	526	4	4
indoxacarb	whole	0.01	0.05	526	0	0
malathion (maldison)	whole	0.01	10	526	0	0

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Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methacrifos	whole	0.01	not set	526	–	0
methamidophos	whole	0.01	not set	526	–	0
methidathion	whole	0.01	1	526	0	0
methiocarb	whole	0.01	not set	526	–	0
methomyl	whole	0.01	0.5	526	0	0
methoprene	whole	0.01	not set	526	–	0
methoxychlor	whole	0.01	not set	526	–	0
methoxyfenozide	whole	0.01	not set	526	–	0
mevinphos	whole	0.01	not set	526	–	0
monocrotophos	whole	0.01	not set	526	–	0
omethoate	whole	0.01	0.05	526	0	0
parathion	whole	0.01	not set	526	–	0
parathion–methyl	whole	0.01	not set	526	–	0
permethrin	whole	0.01	0.2	526	0	0
phenothrin	whole	0.01	not set	526	–	0
phorate	whole	0.01	not set	526	–	0
phosmet	whole	0.01	not set	526	–	0
piperonyl butoxide	whole	0.01	8	526	0	0
pirimicarb	whole	0.01	0.2	526	0	0
pirimiphos–methyl	whole	0.01	not set	526	–	2
profenofos	whole	0.01	not set	526	–	0
propargite	whole	0.01	not set	526	–	0
prothiofos	whole	0.01	not set	526	–	0
pymetrozine	whole	0.01	not set	526	–	0
pyrethrins	whole	0.01	1	526	0	0
pyriproxyfen	whole	0.01	not set	526	–	0
spinetoram	whole	0.01	0.01	526	0	0
spinosad	whole	0.01	not set	526	–	1
spirotetramat	whole	0.01	not set	526	–	0
sulfoxaflor	whole	0.01	0.01	526	0	0
tau–fluvalinate	whole	0.01	not set	526	–	0
tebufenozide	whole	0.01	not set	526	–	0
tebufenpyrad	whole	0.01	not set	526	–	0
terbufos	whole	0.01	not set	526	–	0
tetradifon	whole	0.01	not set	526	–	0
thiacloprid	whole	0.01	not set	526	–	0
thiamethoxam	whole	0.01	0.01	526	0	0
thiodicarb	whole	0.01	not set	526	–	0
triazofos	whole	0.01	not set	526	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.1	526	0	0
triflumuron	whole	0.01	not set	526	-	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	not set	526	-	0
chlordane	whole	0.01	not set	526	-	0
DDT	whole	0.01	not set	526	-	0
endrin	whole	0.01	not set	526	-	0
HCB (hexachlorobenzene)	whole	0.01	not set	526	-	0
HCH (or BHC)	whole	0.01	not set	526	-	0
heptachlor	whole	0.01	not set	526	-	0
lindane (gamma-HCH)	whole	0.01	0.05	526	0	0
mirex	whole	0.01	not set	526	-	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine total	whole	0.005	0.01	58	0	0