



Canola residue testing annual datasets 2016–17

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	0.7	711	0	0
benalaxyl	whole	0.01	not set	711	–	0
bitertanol	whole	0.01	not set	711	–	0
boscalid	whole	0.01	0.5	711	0	0
bupirimate	whole	0.01	not set	711	–	0
captafol	whole	0.02	not set	711	–	0
captan	whole	0.01	not set	711	–	0
carbendazim	whole	0.01	not set	711	–	0
chlorothalonil	whole	0.01	not set	711	–	0
cyproconazole	whole	0.01	0.7	711	0	0
cyprodinil	whole	0.01	not set	711	–	0
difenoconazole	whole	0.01	not set	711	–	1

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	711	–	0
dithianon	whole	0.01	not set	711	–	0
dodine	whole	0.01	not set	711	–	0
epoxiconazole	whole	0.01	not set	711	–	0
etridiazole	whole	0.01	not set	711	–	0
fenarimol	whole	0.01	not set	711	–	0
fenhexamid	whole	0.01	not set	711	–	0
fluazinam	whole	0.01	not set	711	–	0
fludioxonil	whole	0.01	0.01	711	0	0
fluquinconazole	whole	0.01	0.01	711	0	1
flusilazole	whole	0.01	not set	711	–	0
flutriafol	whole	0.01	0.02	711	7	4
fluxapyroxad	whole	0.01	0.1	711	0	0
hexaconazole	whole	0.01	not set	711	–	0
imazalil	whole	0.01	not set	711	–	0
ipconazole	whole	0.01	not set	711	–	0
iprodione	whole	0.01	0.5	711	0	0
kresoxim-methyl	whole	0.01	not set	711	–	0
metalaxyl	whole	0.01	not set	711	–	0
myclobutanil	whole	0.01	not set	711	–	0
oxadixyl	whole	0.01	not set	711	–	0
penconazole	whole	0.01	not set	711	–	0
prochloraz	whole	0.01	not set	711	–	0
procymidone	whole	0.01	1	711	0	0
propiconazole	whole	0.01	not set	711	–	0
prothioconazole	whole	0.01	0.02	711	0	0
pyraclostrobin	whole	0.01	not set	711	–	0
pyrimethanil	whole	0.01	not set	711	–	0
quinoxifen	whole	0.01	not set	711	–	0
spiroxamine-P	whole	0.01	not set	711	–	0
tebuconazole	whole	0.01	0.3	711	0	0
thiabendazole	whole	0.01	not set	711	–	1
tolclofos methyl	whole	0.01	not set	711	–	0
triadimefon	whole	0.01	not set	711	–	0
triadimenol	whole	0.01	not set	711	–	0
trifloxystrobin	whole	0.01	0.02	711	0	0
triticonazole	whole	0.01	not set	711	–	0
vinclozolin	whole	0.01	not set	711	–	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	711	–	0
2,4-D	whole	0.01	0.05	711	0	0
amitrole	whole	0.01	0.01	307	0	0
atrazine	whole	0.01	0.02	711	1	0
bromacil	whole	0.01	not set	711	–	0
bromoxynil	whole	0.01	not set	711	–	0
carfentrazone-ethyl	whole	0.01	not set	711	–	0
chlorpropham	whole	0.01	not set	711	–	0
chlorsulfuron	whole	0.01	not set	711	–	0
chlorthal-dimethyl	whole	0.01	not set	711	–	0
clethodim (parent only)	whole	0.01	0.5	711	0	0
clodinafop-propargyl	whole	0.01	not set	711	–	0
clopyralid	whole	0.01	0.5	711	0	0
cyanazine	whole	0.01	not set	711	–	0
dicamba	whole	0.01	not set	711	–	0
dichlobenil	whole	0.01	not set	711	–	0
dichlorprop-P	whole	0.01	not set	711	–	0
diclofop-methyl	whole	0.01	0.1	307	0	0
diflufenican	whole	0.01	not set	711	–	0
diquat	whole	0.01	5	307	0	0
diuron	whole	0.01	0.5	711	0	0
ethofumesate	whole	0.01	not set	711	–	0
fenoxaprop-ethyl	whole	0.01	not set	307	–	0
flamprop-M-methyl	whole	0.01	not set	307	–	0
fluazifop-p-butyl	whole	0.01	0.5	307	0	0
flumetsulam	whole	0.01	not set	711	–	0
glufosinate	whole	0.01	0.05	307	0	0
glyphosate	whole	0.01	20	307	0	0
haloxyfop	whole	0.01	0.1	307	14	8
imazamox	whole	0.01	0.05	711	0	0
imazapic	whole	0.01	0.05	711	0	0
imazapyr	whole	0.01	0.05	711	0	0
imazaquin	whole	0.01	not set	711	–	0
imazethapyr	whole	0.01	not set	711	–	0
iodosulfuron-methyl	whole	0.01	not set	711	–	0
ioxynil	whole	0.01	not set	711	–	0
isoxaben	whole	0.01	not set	711	–	0
linuron	whole	0.01	not set	711	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	711	–	0
methabenzthiazuron	whole	0.01	not set	711	–	0
metolachlor	whole	0.01	0.02	711	0	0
metosulam	whole	0.01	not set	711	–	0
metribuzin	whole	0.01	0.02	711	0	0
metsulfuron-methyl	whole	0.01	not set	711	–	0
napropamide	whole	0.01	not set	711	–	0
norflurazon	whole	0.01	not set	711	–	0
oryzalin	whole	0.01	0.05	711	0	0
oxyfluorfen	whole	0.01	not set	711	–	0
paraquat	whole	0.01	not set	307	–	0
pendimethalin	whole	0.01	0.05	711	0	0
picloram	whole	0.01	not set	711	–	0
propachlor	whole	0.01	not set	711	–	0
propyzamide	whole	0.01	0.02	711	0	0
quizalofop-ethyl	whole	0.01	0.02	307	0	0
quizalofop-P-tefuryl	whole	0.01	0.02	307	0	0
saflufenacil	whole	0.01	0.03	711	0	0
sethoxydim	whole	0.01	0.5	711	0	0
simazine	whole	0.01	0.02	711	0	0
tralkoxydim	whole	0.01	not set	711	–	0
triasulfuron	whole	0.01	not set	711	–	0
triclopyr	whole	0.01	not set	711	–	0
trifluralin	whole	0.01	0.05	711	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	711	–	0
acephate	whole	0.01	not set	711	–	0
acetamiprid	whole	0.01	not set	711	–	0
aldicarb	whole	0.01	not set	711	–	0
amitraz	whole	0.01	not set	711	–	0
azamethiphos	whole	0.01	not set	711	–	0
azinphos-methyl	whole	0.01	not set	711	–	0
bifenazate	whole	0.01	not set	711	–	0
bifenthrin	whole	0.01	0.02	711	0	0
bioresmethrin	whole	0.01	not set	711	–	0
buprofezin	whole	0.01	not set	711	–	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	711	–	0
carbaryl	whole	0.01	0.1	711	1	0
carbofuran	whole	0.01	not set	711	–	0
chlorantraniliprole	whole	0.01	0.01	711	0	0
chlorfenapyr	whole	0.01	not set	711	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	711	–	0
chlorpyrifos	whole	0.01	0.01	711	0	0
chlorpyrifos-methyl	whole	0.01	not set	711	–	2
clofentezine	whole	0.01	not set	711	–	0
clothianidin	whole	0.01	0.01	711	0	0
cyfluthrin (sum of isomers)	whole	0.01	0.05	711	0	0
cyhalothrin (sum of isomers)	whole	0.01	0.02	711	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	711	0	0
deltamethrin	whole	0.01	0.1	711	0	0
diafenthiuron	whole	0.01	not set	711	–	0
diazinon	whole	0.01	not set	711	–	0
dichlorvos	whole	0.01	0.01	711	0	0
dicofol	whole	0.01	not set	711	–	0
diflubenzuron	whole	0.01	not set	711	–	0
dimethoate	whole	0.01	0.2	711	0	0
disulfoton	whole	0.01	not set	711	–	0
emamectin	whole	0.01	0.01	711	0	0
esfenvalerate	whole	0.01	0.5	711	0	0
ethion	whole	0.01	not set	711	–	0
ethoprophos	whole	0.005	not set	711	–	0
etoxazole	whole	0.01	not set	711	–	0
fenamiphos	whole	0.01	not set	711	–	0
fenbutatin oxide	whole	0.01	not set	711	–	0
fenitrothion	whole	0.01	0.1	711	1	0
fenoxycarb	whole	0.01	not set	711	–	0
fenpyroximate	whole	0.01	not set	711	–	0
fenthion	whole	0.01	not set	711	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	711	0	0
fipronil	whole	0.002	0.01	711	0	0
hexythiazox	whole	0.01	not set	711	–	0
imidacloprid	whole	0.01	0.05	711	4	6

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
indoxacarb	whole	0.01	0.05	711	0	0
malathion (maldison)	whole	0.01	10	711	0	0
methacrifos	whole	0.01	not set	711	–	0
methamidophos	whole	0.01	not set	711	–	0
methidathion	whole	0.01	1	711	0	0
methiocarb	whole	0.01	not set	711	–	0
methomyl	whole	0.01	0.5	711	0	0
methoprene	whole	0.01	not set	711	–	0
methoxychlor	whole	0.01	not set	711	–	0
methoxyfenozide	whole	0.01	not set	711	–	0
mevinphos	whole	0.01	not set	711	–	0
monocrotophos	whole	0.01	not set	711	–	0
omethoate	whole	0.01	0.05	711	0	0
parathion	whole	0.01	not set	711	–	0
parathion-methyl	whole	0.01	not set	711	–	0
permethrin (sum of isomers)	whole	0.01	0.2	711	0	0
phenothrin (sum of isomers)	whole	0.01	not set	711	–	0
phorate	whole	0.01	not set	711	–	0
phosmet	whole	0.01	not set	711	–	0
piperonyl butoxide	whole	0.01	8	711	0	0
pirimicarb	whole	0.01	0.2	711	0	0
pirimiphos-methyl	whole	0.01	not set	711	–	0
profenofos	whole	0.01	not set	711	–	0
propargite	whole	0.01	not set	711	–	0
prothiofos	whole	0.01	not set	711	–	0
pymetrozine	whole	0.01	not set	711	–	0
pyrethrins	whole	0.01	1	711	0	0
pyriproxyfen	whole	0.01	not set	711	–	0
spinetoram	whole	0.01	0.01	711	0	0
spinosad	whole	0.01	not set	711	–	0
spirotetramat	whole	0.01	not set	711	–	0
sulfoxaflor	whole	0.01	0.01	711	0	0
tau-fluvalinate	whole	0.01	not set	711	–	0
tebufenozide	whole	0.01	not set	711	–	0
tebufenpyrad	whole	0.01	not set	711	–	0
terbufos	whole	0.01	not set	711	–	0
tetradifon	whole	0.01	not set	711	–	0
thiacloprid	whole	0.01	not set	711	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiamethoxam	whole	0.01	0.01	711	0	0
thiodicarb	whole	0.01	not set	711	–	0
triazofos	whole	0.01	not set	711	–	0
trichlorfon	whole	0.01	0.1	711	0	0
triflumuron	whole	0.01	not set	711	–	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	711	–	0
chlordane	whole	0.01	not set	711	–	0
DDT	whole	0.01	not set	711	–	0
endosulfan	whole	0.01	not set	711	–	0
endrin	whole	0.01	not set	711	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	711	–	0
HCH (BHC)	whole	0.01	not set	711	–	0
heptachlor	whole	0.01	not set	711	–	0
lindane (gamma-HCH)	whole	0.01	0.05	711	0	0
mirex	whole	0.01	not set	711	–	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	57	0	0