



Canola residue testing annual datasets 2020–21

National Residue Survey, Department of Agriculture, Water and the Environment

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	0.01	504	0	0
benalaxyl	whole	0.01	not set	504	–	0
bitertanol	whole	0.01	not set	504	–	0
bixafen	whole	0.01	0.01	504	0	0
boscalid	whole	0.01	0.5	504	0	0
bupirimate	whole	0.01	not set	504	–	0
captafol	whole	0.02	not set	504	–	0
captan	whole	0.01	not set	504	–	0
carbendazim	whole	0.01	not set	504	–	0
carboxin	whole	0.01	not set	504	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
chlorothalonil	whole	0.01	not set	504	–	0
cyproconazole	whole	0.01	0.02	504	0	0
cyprodinil	whole	0.01	not set	504	–	0
difenoconazole	whole	0.01	not set	504	–	0
dimethomorph (sum of E and Z isomers)	whole	0.01	not set	504	–	0
dithianon	whole	0.01	not set	504	–	0
dodine	whole	0.01	not set	504	–	0
epoxiconazole	whole	0.01	not set	504	–	0
etridiazole	whole	0.01	not set	504	–	0
fenarimol	whole	0.01	not set	504	–	0
fenbuconazole	whole	0.01	not set	504	–	0
fenhexamid	whole	0.01	not set	504	–	0
fluazinam	whole	0.01	not set	504	–	0
fludioxonil	whole	0.01	0.2	504	0	0
fluquinconazole	whole	0.01	0.01	504	0	0
flusilazole	whole	0.01	not set	504	–	0
flutriafol	whole	0.01	0.07	504	0	0
fluxapyroxad	whole	0.01	0.2	504	0	0
hexaconazole	whole	0.01	not set	504	–	0
imazalil	whole	0.01	not set	504	–	0
ipconazole	whole	0.01	not set	504	–	0
iprodione	whole	0.01	0.5	504	0	0
isoprothiolane	whole	0.01	not set	504	–	0
kresoxim-methyl	whole	0.01	not set	504	–	0
metalaxyl	whole	0.01	not set	504	–	0
myclobutanil	whole	0.01	not set	504	–	0
oxadixyl	whole	0.01	not set	504	–	0
penconazole	whole	0.01	not set	504	–	0
penflufen	whole	0.01	0.01	504	0	0
prochloraz	whole	0.01	not set	504	–	0
procymidone	whole	0.01	1	504	0	0
propiconazole	whole	0.01	not set	504	0	0
prothioconazole	whole	0.01	0.02	504	0	0
pyraclostrobin	whole	0.01	not set	504	–	0
pyrimethanil	whole	0.01	not set	504	–	0
quinoxifen	whole	0.01	not set	504	–	0
sedaxane	whole	0.01	not set	504	–	0
spiroxamine	whole	0.01	not set	504	–	0
tebuconazole	whole	0.01	0.3	504	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
thiabendazole	whole	0.01	not set	504	–	0
tolclofos methyl	whole	0.01	not set	504	–	0
triadimefon	whole	0.01	not set	504	–	0
triadimenol	whole	0.01	not set	504	–	0
trifloxystrobin	whole	0.01	0.02	504	0	0
triticonazole	whole	0.01	not set	504	–	0
vinclozolin	whole	0.01	not set	504	–	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	504	–	0
2,4-D	whole	0.01	0.05	504	0	0
2,4-DB	whole	0.01	not set	504	–	0
acifluorfen	whole	0.01	not set	389	–	0
ametryn	whole	0.01	not set	389	–	0
aminopyralid	whole	0.01	not set	504	–	0
amitrole	whole	0.01	0.01	191	0	0
atrazine	whole	0.01	0.02	504	0	0
bentazone	whole	0.01	not set	504	–	0
bicyclopyrone	whole	0.01	not set	389	–	0
bromacil	whole	0.01	not set	504	–	0
bromoxynil	whole	0.01	not set	504	–	0
butoxydim	whole	0.01	0.01	504	0	0
carfentrazone-ethyl	whole	0.01	not set	504	–	0
chlormequat	whole	0.01	not set	191	–	0
chlorpropham	whole	0.01	not set	504	–	0
chlorsulfuron	whole	0.01	not set	504	–	0
chlorthal-dimethyl	whole	0.01	not set	504	–	0
clethodim (parent only)	whole	0.01	0.5	504	0	0
clodinafop acid	whole	0.01	not set	389	–	0
clodinafop-propargyl	whole	0.01	not set	504	–	0
clomazone	whole	0.01	0.01	389	0	0
clopyralid	whole	0.01	0.5	504	0	0
cloquintocet-mexyl	whole	0.01	not set	389	–	0
cyanazine	whole	0.01	not set	504	–	0
dicamba	whole	0.01	not set	504	–	0
dichlobenil	whole	0.01	not set	504	–	0
dichlorprop	whole	0.01	not set	191	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
diclofop-methyl	whole	0.01	0.1	191	0	0
diflufenican	whole	0.01	not set	504	–	0
dimethenamid	whole	0.01	0.01	389	0	0
diquat	whole	0.01	5	191	0	0
diuron	whole	0.01	0.5	504	0	0
EPTC	whole	0.01	0.1	389	0	0
ethofumesate	whole	0.01	not set	504	–	0
fenoxaprop-ethyl	whole	0.01	not set	504	–	0
flamprop-M-methyl	whole	0.01	not set	191	–	0
florasulam	whole	0.01	not set	389	–	0
fluazifop-p-butyl	whole	0.01	0.5	191	0	0
flumetsulam	whole	0.01	not set	504	–	0
flumioxazin	whole	0.01	0.1	504	0	0
fluroxypyr	whole	0.01	not set	504	–	0
glufosinate	whole	0.01	0.5	191	0	0
glyphosate	whole	0.01	20	191	0	0
halauxifen-methyl	whole	0.01	0.01	389	0	0
halosulfuron-methyl	whole	0.01	not set	389	–	0
haloxyfop	whole	0.01	0.1	191	12	5
imazamox	whole	0.01	0.05	199	0	0
imazapic	whole	0.01	0.05	199	0	0
imazapyr	whole	0.01	0.05	199	1	0
imazaquin	whole	0.01	not set	199	–	0
imazethapyr	whole	0.01	not set	199	–	0
iodosulfuron-methyl	whole	0.01	not set	504	–	0
ioxynil	whole	0.01	not set	504	–	0
isoxaben	whole	0.01	not set	504	–	0
isoxaflutole	whole	0.01	not set	389	–	0
linuron	whole	0.01	not set	504	–	0
MCPA	whole	0.01	not set	504	–	0
MCPB	whole	0.01	not set	389	–	0
mefenpyr-diethyl	whole	0.01	not set	389	–	0
metazachlor	whole	0.01	0.03	389	0	0
methabenzthiazuron	whole	0.01	not set	504	–	0
metolachlor	whole	0.01	0.02	504	0	0
metosulam	whole	0.01	not set	504	–	0
metribuzin	whole	0.01	0.02	504	0	0
metsulfuron-methyl	whole	0.01	not set	504	–	0
napropamide	whole	0.01	0.01	504	0	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
norflurazon	whole	0.01	not set	504	–	0
oryzalin	whole	0.01	0.05	504	0	0
oxyfluorfen	whole	0.01	not set	504	–	0
paraquat	whole	0.01	0.05	191	0	0
pendimethalin	whole	0.01	0.05	504	0	0
picloram	whole	0.01	not set	504	–	0
picolinafen	whole	0.01	not set	389	–	0
pinoxaden (parent)	whole	0.01	not set	389	–	0
prometryn	whole	0.01	not set	389	–	0
propachlor	whole	0.01	not set	504	–	0
propaquizafop	whole	0.01	0.05	191	0	0
propyzamide	whole	0.01	0.02	504	0	0
prosulfocarb	whole	0.01	not set	389	–	0
pyraflufen-ethyl	whole	0.01	not set	389	–	0
pyrasulfotole	whole	0.01	not set	389	–	0
pyroxasulfone	whole	0.01	not set	389	–	0
pyroxsulam	whole	0.01	not set	389	–	0
quizalofop-ethyl	whole	0.01	0.02	191	0	0
quizalofop-P-tefuryl	whole	0.01	0.02	191	0	0
saflufenacil	whole	0.01	0.03	504	0	0
sethoxydim	whole	0.01	0.5	504	0	0
simazine	whole	0.01	0.02	504	1	0
sulfosulfuron	whole	0.01	not set	389	–	0
terbuthylazine	whole	0.01	0.02	389	0	0
terbutryn	whole	0.01	not set	504	–	0
tralkoxydim	whole	0.01	not set	504	–	0
triallate	whole	0.01	0.1	504	0	0
triasulfuron	whole	0.01	not set	504	–	0
tribenuron-methyl	whole	0.01	0.01	389	0	0
triclopyr	whole	0.01	not set	504	–	0
trifluralin	whole	0.01	0.05	504	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	504	–	0
acephate	whole	0.01	not set	504	–	0
acetamiprid	whole	0.01	not set	504	–	0
aldicarb	whole	0.01	not set	504	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
amitraz	whole	0.01	not set	504	–	0
azamethiphos	whole	0.01	not set	504	–	0
azinphos-methyl	whole	0.01	not set	504	–	0
bifenazate	whole	0.01	not set	504	–	0
bifenthrin	whole	0.01	0.02	504	0	0
bioresmethrin	whole	0.01	not set	504	–	0
buprofezin	whole	0.01	0.01	504	0	0
cadusafos	whole	0.01	not set	504	–	0
carbaryl	whole	0.01	0.1	504	0	0
carbofuran	whole	0.01	not set	504	–	0
chlorantraniliprole	whole	0.01	0.1	504	0	0
chlorfenapyr	whole	0.01	not set	504	–	0
chlorfenvinphos (sum of isomers)	whole	0.01	not set	504	–	0
chlorpyrifos	whole	0.01	0.01	504	0	0
chlorpyrifos-methyl	whole	0.01	0.15	504	0	0
clofentezine	whole	0.01	not set	504	–	0
clothianidin	whole	0.01	0.01	504	0	0
cyantraniliprole	whole	0.01	0.05	389	0	0
cyfluthrin (sum of isomers)	whole	0.01	not set	504	–	0
cyhalothrin (sum of isomers)	whole	0.01	0.02	504	0	0
cypermethrin (sum of isomers)	whole	0.01	0.2	504	0	0
deltamethrin	whole	0.01	0.1	504	0	0
diafenthiuron	whole	0.01	0.01	504	0	0
diazinon	whole	0.01	not set	504	–	0
dichlorvos	whole	0.01	0.01	504	0	0
dicofol	whole	0.01	not set	504	–	0
diflubenzuron	whole	0.01	not set	504	–	0
dimethoate	whole	0.01	0.2	504	0	0
disulfoton	whole	0.01	not set	504	–	0
emamectin	whole	0.01	0.01	504	0	0
esfenvalerate	whole	0.01	0.5	246	0	0
ethion	whole	0.01	not set	504	–	0
ethoprophos	whole	0.005	not set	504	–	0
etoxazole	whole	0.01	not set	504	–	0
fenamiphos	whole	0.01	not set	504	–	0
fenbutatin oxide	whole	0.01	not set	504	–	0
fenitrothion	whole	0.01	0.1	504	0	0
fenoxycarb	whole	0.01	not set	504	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
fenpyroximate	whole	0.01	not set	504	–	0
fenthion	whole	0.01	not set	504	–	0
fenvalerate (sum of isomers)	whole	0.01	0.5	504	0	0
fipronil	whole	0.002	0.01	504	0	0
flonicamid	whole	0.01	0.5	389	0	0
hexythiazox	whole	0.01	not set	504	–	0
imidacloprid	whole	0.01	0.05	504	1	0
indoxacarb	whole	0.01	0.05	504	0	0
malathion (maldison)	whole	0.01	10	504	0	0
methacrifos	whole	0.01	not set	504	–	0
methamidophos	whole	0.01	not set	504	–	0
methidathion	whole	0.01	not set	504	–	0
methiocarb	whole	0.01	not set	504	–	0
methomyl	whole	0.01	0.5	504	0	0
methoprene	whole	0.01	not set	504	–	0
methoxychlor	whole	0.01	not set	504	–	0
methoxyfenozide	whole	0.01	not set	504	–	0
mevinphos	whole	0.01	not set	504	–	0
monocrotophos	whole	0.01	not set	504	–	0
omethoate	whole	0.01	0.05	504	0	0
parathion	whole	0.01	not set	504	–	0
parathion-methyl	whole	0.01	not set	504	–	0
permethrin (sum of isomers)	whole	0.01	0.2	504	0	0
phenothrin (sum of isomers)	whole	0.01	not set	504	–	0
phorate	whole	0.01	not set	504	–	0
phosmet	whole	0.01	not set	504	–	0
piperonyl butoxide	whole	0.01	8	504	0	0
pirimicarb	whole	0.01	0.2	504	0	0
pirimiphos-methyl	whole	0.01	not set	504	–	0
profenofos	whole	0.01	not set	504	–	0
propargite	whole	0.01	not set	504	–	0
prothiofos	whole	0.01	not set	504	–	0
pymetrozine	whole	0.01	not set	504	–	0
pyrethrins	whole	0.01	1	504	0	0
pyriproxyfen	whole	0.01	not set	504	–	0
spinetoram	whole	0.01	0.01	504	0	0
spinosad	whole	0.01	not set	504	–	0
spirotetramat	whole	0.01	not set	504	–	0

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
sulfoxaflor	whole	0.01	0.01	504	0	0
tau-fluvalinate	whole	0.01	not set	504	–	0
tebufenozide	whole	0.01	not set	504	–	0
tebufenpyrad	whole	0.01	not set	504	–	0
terbufos	whole	0.01	not set	504	–	0
tetradifon	whole	0.01	not set	504	–	0
thiacloprid	whole	0.01	not set	504	–	0
thiamethoxam	whole	0.01	0.01	504	0	0
thiodicarb	whole	0.01	not set	504	–	0
triazofos	whole	0.01	not set	504	–	0
trichlorfon	whole	0.01	0.1	504	0	0
triflumuron	whole	0.01	not set	504	–	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	504	–	0
chlordane	whole	0.01	not set	504	–	0
DDT	whole	0.01	not set	504	–	0
endosulfan	whole	0.01	not set	504	–	0
endrin	whole	0.01	not set	504	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	504	–	0
HCH (BHC)	whole	0.01	not set	504	–	0
heptachlor	whole	0.01	not set	504	–	0
lindane (gamma-HCH)	whole	0.01	0.05	504	0	0
mirex	whole	0.01	not set	504	–	0

Table 5 Physiological modifier

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trinexapac-ethyl	whole	0.01	not set	389	–	0