

Canola varieties for 2008



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New and recent releases

Note: blackleg resistance ratings shown are for 2007, and ranked from 1.0 to 9.0. Varieties with ratings of 3-4.5 are moderately susceptible; 5-5.5 are moderately resistant; 6.0-7.0 are resistant and 7.5-9.0 are highly resistant. Check the Victorian Winter Crop Summary for 2008 ratings.

Conventional varieties

Conventional – ^{AV}GARNET[Ⓛ]

Mid maturing, very high yielding variety. Medium height. Nuseed indicate very high oil content. Very good blackleg resistance, with of rating 7.5.

Bred by Vic. DPI. Tested as RT125. Released 2007. Marketed by Nuseed.

Conventional - ^{AG}GMUSTER[Ⓛ]

An early maturing variety with good blackleg resistance and a rating of 6.0. It has good oil content and due to not being completely determinate in flowering can either finish early in dry conditions or capitalise on a soft finish.

Released 2007. Bred by Nuseed. Tested as AGC 323 and marketed by Crop Care Seed Technologies.

Conventional - TARCOOLA[Ⓛ]

Early maturing variety, suited to 250-400 mm rainfall zone. Blackleg resistance rating of 6.0. Nuseed indicate very high oil for an early maturing variety. Bred by NSW DPI and SARDI.

Tested as BLN2026*SL902. Released 2007. Marketed by Nuseed.

Hybrid Conventional – HYOLA® 50[Ⓛ]

An early-mid maturing hybrid with excellent blackleg resistance and a blackleg rating of 9.0. Suits medium rainfall areas, manageable height, good stability, exceptional yield potential and has excellent vigour. Bred by Canola Breeders International.

Tested as CBI4403. Registered 2007 and marketed by Pacific Seeds.

Hybrid Conventional – HYOLA® 76[Ⓛ]

9Mid to late maturing hybrid with exceptional early vigour. Pacific Seeds indicate very high oil content. More suited to higher rainfall regions. No official blackleg rating; Pacific seeds anticipate very good blackleg resistance. Bred by Canola Breeders International.

Tested as CBI6654. Released in 2008. Bred by Canola Breeders International and Pacific Seeds. Marketed by Pacific Seeds.

Conventional specialty varieties

Speciality Oils - MONOLA™130 CC[Ⓛ]

Conventional mid maturing variety, similar maturity to AVSapphire with very high oil and moderate to high content of oleic acid, low level of linolenic acid and high yield. Excellent blackleg resistance, with a rating of 8.5. Previously named NMC 130.

First tested in NVT in 2005 as NMC 130. Developed by Nutrihealth Pty Ltd, grown under contract to NUSEED CROP NETWORK.

Table 1: Canola varieties being marketed in Victoria in 2008:

Variety	Maturity	Year of release	Type	Marketer
Conventional				
^{AV} Garnet	Mid	2008	Open pollinated	Nuseed
^{AV} Jade	Early-mid	2006	Open pollinated	Nuseed
^{AG} Muster	Early	2007	Open pollinated	CropCare
Pioneer [®] 44C11	Early	2003	Open pollinated	Pioneer Hi-Bred
Pioneer [®] 46C04	Mid	2002	Open pollinated	Pioneer Hi-Bred
Rivette	Early	2002	Open pollinated	PlantTech
^{AV} Sapphire	Mid	2002	Open pollinated	Nuseed
^{AG} Spectrum	Early	2003	Open pollinated	Nuseed
Tarcoola	Early	2007	Open pollinated	Nuseed
Hyola [®] 50	Early-mid	2007	Hybrid	Pacific Seeds
Hyola [®] 76	Mid-late	2008	Hybrid	Pacific Seeds
Conventional specialty				
Monola [™] 130CC	Mid	2006	Open pollinated	Nuseed Crop Network
06H932 (tested as)	Early-mid	2008	Hybrid	Cargill
06H939 (tested as)	Mid	2008	Hybrid	Cargill
Conventional juncea canola				
Dune	Early	2007	Open pollinated	Pacific Seeds
Herbicide tolerant				
Clearfield varieties				
Pioneer [®] 44C73	Early	2001	Open pollinated	Pioneer Hi-Bred
Pioneer [®] 44C79	Early	2008	Open pollinated	Pioneer Hi-Bred
Pioneer [®] 45C75	Early-mid	2002	Open pollinated	Pioneer Hi-Bred
Pioneer [®] 46C76	Mid-late	2003	Open pollinated	Pioneer Hi-Bred
Rocket CL	Mid-late	2004	Open pollinated	Pacific Seeds
Warrior CL	Early-mid	2006	Open pollinated	Plant Tech
Pioneer [®] 45Y77	Early-mid	2006	Hybrid	Pioneer Hi-Bred
Pioneer [®] 46Y78	Mid	2007	Hybrid	Pioneer Hi-Bred
Clearfield juncea canola varieties				
Oasis CL		2008	Open pollinated	Pacific Seeds
Triazine tolerant varieties				
^{ATR} Banjo	Early	2007	Open pollinated	Crop Care Seed Technologies
^{ATR} Barra	Mid-late	2007	Open pollinated	Nuseed
^{ATR} Beacon	Early-mid	2002	Open pollinated	Nuseed
^{ATR} Cobbler	Early-mid	2008	Open pollinated	Nuseed
^{ATR} Boomer	Early-mid	2005	Open pollinated	ABB seeds
Bravo TT	Early-mid	2005	Open pollinated	Plant Tech
Flinders TTC	Mid-late	2008	Open pollinated	Crop Care Seed Technologies
Hurricane TT	Early-mid	2008	Open pollinated	Pacific Seeds
^{ATR} Marlin	Mid-late	2008	Open pollinated	Nuseed
Rottnest TTC	Early-mid	2008	Open pollinated	Crop Care Seed Technologies
^{ATR} Signal	Early-mid	2007	Open pollinated	Nuseed
Storm TT	Mid	2008	Open pollinated	Pacific Seeds
^{ATR} Stubby	Early	2003	Open pollinated	Nuseed
^{ATR} Summitt	Mid-late	2006	Open pollinated	Nuseed
CB [™] Tanami	Early	2007	Open pollinated	ABB seeds
Tawriffic TT	Mid	2008	Open pollinated	Plant Tech
Thunder TT	Mid-late	2004	Open pollinated	Pacific Seeds
Tornado TT	Mid	2004	Open pollinated	Pacific Seeds
Triazine tolerant specialty varieties				
Monola [™] 75TT	Mid-late	2008	Open pollinated	Nuseed Crop Network
Monola [™] 65TT	Mid	2008	Open pollinated	Nuseed Crop Network
Roundup Ready[®] varieties				
GT61	Early-mid	2008	Open pollinated	Nuseed
Pioneer [®] 46Y20	Mid	2008	Hybrid	Pioneer Hi-Bred
M8032 RR	Early-mid	2008	Hybrid	Pacific Seeds
M8265 RR	Mid	2008	Hybrid	Pacific Seeds



Hybrid Speciality Oils – tested as 06H932

Early to mid maturing specialty hybrid developed by Cargill and Vic. DPI. Good blackleg resistance and yield potential and has performed well in 2007 NVT trials. Planned release for 2008.

06H932 will be grown under contract production for Cargill.

Hybrid Speciality Oils – tested as 06H939

Mid maturing specialty hybrid developed by Cargill and Vic. DPI. Good blackleg and yield potential. Planned release for 2008.

06H939 will be grown under contract production for Cargill.

Conventional juncea canola varieties

Juncea canola - DUNE[Ⓛ]

The first of the new low-rainfall Juncea canola varieties released in Australia. Suited to areas with rainfall below 350mm, Pacific Seeds indicate that Dune has high oil and protein content with yield comparable to other short season canola varieties. Yellow seed coat. Excellent pod shatter resistance allows for direct heading. Unique blackleg resistance offers good protection against the disease. Released in 2007. Tested as JR055. Bred by Vic. DPI/Viterra and marketed by Pacific Seeds.

Herbicide tolerant

Clearfield varieties

Clearfield - PIONEER[®] 44C79[Ⓛ]

Early to early-mid maturing variety. Pioneer indicate exceptional early vigour and higher oil content than 44C73. Good blackleg resistance, with a provisional blackleg resistance rating of 7.0. Will replace 44C73 in 2009 and extend growing zone into northern Wimmera districts.

Released in 2008. Tested as NS6082BI. Bred and marketed by Pioneer Hi-Bred Australia.

Hybrid Clearfield - PIONEER[®] 45Y77[Ⓛ]

First imidazolinone tolerant hybrid in Australia. Early-mid maturity suited to medium to high rainfall areas. Large seed with high yield and oil content and a blackleg rating of 8.0. Released 2007.

Tested as 03N734I. Bred and marketed by Pioneer Hi-Bred Australia.

Hybrid Clearfield - PIONEER[®] 46Y78[Ⓛ]

Mid season maturity hybrid suited to high rainfall areas. Excellent early vigour and large robust plant for higher hay and grain yields. Very high oil content with a blackleg rating of 8.0.

Released 2007. Tested as 03N733I. Bred and marketed by Pioneer Hi-Bred Australia.

Clearfield juncea canola varieties

Clearfield Juncea Canola - Oasis CL[Ⓛ]

First herbicide tolerant low-rainfall juncea canola variety in Australia. Suited to areas with rainfall below 350mm. Pacific Seeds indicate this mid maturing variety has good protein, oil content and unique disease resistance to blackleg. Excellent pod shatter resistance allows for direct heading. Seed quality as good or slightly better than Dune. Possibly available in small quantities for commercial evaluation in 2008.

Tested as - J05Z-8920. Bred by DPI Vic./Viterra and marketed by Pacific Seeds.

Triazine tolerant varieties

Triazine Tolerant – ATR409[Ⓛ]

A true mid season variety suited to medium to high rainfall areas. Crop Care indicate the variety is high yielding in these environments, with excellent vigour and oil content. Medium to tall variety with a blackleg rating of 8.0. Bred by Nuseed/Vic. DPI. Released 2008.

Tested as ATR 409. Marketed by Crop Care Seed Technologies.



Triazine Tolerant – ^{ATR}BANJO^(d)

An early maturing TT variety with good blackleg resistance, rating of 7.0. Good yields and very high oil content. Released 2007. Bred by Vic. DPI/Nuseed.

Tested as AGT346, registered 2005 and marketed by Crop Care Seed Technologies.

Triazine Tolerant – ^{ATR}BARRA^(d)

A mid to mid-late maturing variety with good blackleg resistance rating of 7.0, medium plant height, suited to the 400+ mm rainfall zone. Nuseed indicate high oil and vigour. Bred by SARDI, Nuseed and Vic. DPI in association with GRDC.

Released 2007. Tested as TN4*207. Marketed by Nuseed.

Triazine Tolerant – ^{ATR}COBBLER^(d)

Early to early-mid maturing. Nuseed indicate the variety to be very high yielding across many sites. Medium-short height. Provisional blackleg rating of 7.0. Developed by Nugrain.

Released 2008. Tested as NMT040. Marketed by Nuseed.

Triazine Tolerant – FLINDERS TTC^(d)

Mid to late season variety suited to high rainfall areas and potentially suited to irrigation. Crop Care indicate the variety is high yielding with good vigour and oil content. Medium to tall variety with a blackleg rating of 7.0. Bred by Vic. DPI/Nuseed.

Released in 2008. Tested as ATR-438 and marketed by Crop Care Seed Technologies.

Triazine Tolerant – HURRICANE TT^(d)

Early-mid maturing variety, slightly earlier than Bravo TT. Pacific Seeds indicate good yield, oil and protein content. Ideally fits low to medium rainfall areas, exhibits good vigour. No official blackleg rating. Pacific Seeds anticipate blackleg rating 7.5.

Planned released 2008. Tested as PacT2202. Bred and marketed by Pacific Seeds.

Triazine Tolerant – ^{ATR}MARLIN^(d)

Mid to mid-late maturing. Medium height. Nuseed indicate high yield and oil content. Very good blackleg resistance with blackleg rating 8.0. Bred by Vic. DPI/Nuseed.

Released 2008. Tested as ATR-423. Marketed by Nuseed.

Triazine Tolerant – ROTTNEST TTC^(d)

Early to mid maturing. Crop Care indicate high yield, excellent vigour and moderate oil content. Medium height with good uniformity and shatter resistance and a good blackleg rating of 7.5. Bred by Nuseed/Vic. DPI. Released in 2008.

Marketed by Crop Care Seed Technologies.

Triazine Tolerant – ^{ATR}SIGNAL^(d)

An early to mid season variety with a blackleg rating of 8. Yield higher than Beacon but becoming outclassed. Bred by Vic. DPI/Nuseed.

Released 2007. Tested as NMT052 and marketed by Nuseed. Becoming outclassed; limited seed supply 2008.

Triazine Tolerant – STORM TT

Mid maturing variety, comparable to Tornado TT. Pacific Seeds indicate good vigour, yield, oil with moderate protein. No official blackleg rating. Pacific Seeds anticipate blackleg rating 7.5. Planned released 2008. Tested as PacT2203. Bred and marketed by Pacific Seeds.

Triazine Tolerant – CBTMTANAMI^(d)

Early season maturity variety adapted to low rainfall cropping zones of southern Australia. Early vigour and tolerance of low rainfall aids establishment in tough seasons. Good yields in low rainfall seasons and oil content similar to ATR-Stubby. Provisional blackleg rating of 6.0.

Released in 2007. Bred by Canola Breeders WA.

Tested as CBTT-61 and marketed by ABB seeds.

Triazine Tolerant – TAWRIFFIC TT[Ⓛ]

A mid maturing variety, maturity similar to Bravo TT; very good blackleg resistance with a provisional blackleg resistance rating of 7.5. Medium in height. Developed by the Canola Alliance (NSW DPI/ Nugrain) who indicate high yield and oil in 2007 NVT Trials. Moderate seed quantities of available for 2008 expected.

Tested as BLN3697TT. Planned release for 2008 and marketed by PlantTech Pty Ltd.

Triazine tolerant specialty varieties

Triazine Tolerant Speciality oils – MONOLA™75 TT[Ⓛ]

Mid-late maturity, similar to ATrSummitt. Good oil content and oleic and linolenic acid content suitable for main domestic frying markets in Australia. Provisional blackleg resistance rating of 8.5. Breeder indicates MONOLA™75 TT has excellent root depth and vegetative vigour, good but not excessive biomass and medium height.

Tested as NMT 320. Release anticipated for 2008 and marketed by Nuseed Crop Network.

Triazine Tolerant Speciality oils – MONOLA™65 TT[Ⓛ]

Mid maturity, similar to ATRBeacon. Good oil content and oleic and linolenic acid content suitable for main domestic frying markets in Australia. Provisional blackleg resistance rating of 8.5. Breeder indicates MONOLA™65 TT has excellent root depth and vegetative vigour, good but not excessive biomass and medium height. Tested as NL029. Release anticipated for 2008 and marketed by Nuseed Crop Network.

Roundup Ready® varieties

Roundup Ready® - GT61

Early-mid maturing variety. Available for limited release in 2008.

Tested as GT61. Bred and marketed by Nuseed.

Hybrid Roundup Ready® - PIONEER® 46Y20[Ⓛ]

Mid to mid-late maturing hybrid suited to reliable medium to high rainfall areas. Pioneer indicate field testing since 2003 shows very good blackleg resistance, very high yield potential and oil content.

Limited release in 2008. Tested as Z03N741R. Bred and marketed by Pioneer Hi-Bred Australia.

Hybrid Roundup Ready® - M8032 RR[Ⓛ]

An early-mid maturing variety suited to low-medium rainfall areas. Tested in multi-location trials over successive seasons, Pacific Seeds indicate this new variety has good blackleg resistance, manageable height, moderate oil content and good standability with exceptional hybrid vigour and yield potential.

Limited release in 2008. Tested as M8032 RR. Bred and marketed by Pacific Seeds.

Hybrid Roundup Ready® - M8265 RR[Ⓛ]

A mid maturing variety suited to medium to high rainfall areas. Limited field testing indicates good blackleg resistance, standability, height and oil potential. Pacific Seeds indicate exceptional hybrid vigour contributes to exceptional yield potential.

Limited release in 2008. Tested as M8265 RR. Bred and marketed by Pacific Seeds.

The following varieties are being outclassed with limited seed available in 2007:

- AV-Opal, AG-Outback, AG-Spectrum, AG-Comet, AV-Ruby, AV-Sapphire, ATR-Stubby, ATR-Beacon and ATR-Signal.

The following varieties will be withdrawn for 2008:

- Hyola 75, 45C05, 44Y06

Table 2: Canola yield data from wimmera-mallee early maturing conventional trials 2005-2006, expressed as a percentage of Pioneer®44c11. No trials for 2007.

Region	Mallee		Wimmera		Mallee	
Nearest Town	Ultima		Gerang Gerung		Hopetoun	
Year	2005				2006	
Pioneer® 44C11 yield	0.82 t/ha		1.53 t/ha		0.32 t/ha	
	t/ha	%	t/ha	%	t/ha	%
^{AG} Comet	0.63	77	1.42	93	0.36	113
^{AG} Drover	-	-	-	-	-	-
^{AG} Muster	1.08	132	1.43	93	0.39	122
^{AG} Outback	1	122	1.26	82	0.4	125
^{AG} Spectrum	-	-	-	-	0.24	75
^{AT} RStubby (TT variety)	0.47	57	1.17	76	-	-
^{AV} Garnet	-	-	-	-	-	-
^{AV} Jade	-	-	-	-	0.22	69
^{AV} Opal	0.84	102	1.26	82	0.2	63
^{AV} Ruby	-	-	-	-	-	-
^{AV} Sapphire	-	-	-	-	-	-
Hyola 45	0.87	106	0.92	60	-	-
Hyola 50	1.15	140	1.61	105	0.42	131
Hyola 61	-	-	-	-	-	-
Hyola 75	-	-	-	-	-	-
Hyola 76						
Kimberley	0.9	110	1.42	93	-	-
Monola™ NMC115	-	-	-	-	0.28	88
MONOLA™ NMC130	-	-	-	-	-	-
Monola NMC131	-	-	-	-	-	-
Pioneer® 44C11	0.82	100	1.53	100	0.32	100
Pioneer® 44Y06	0.79	96	1.51	99	0.35	109
Pioneer® 45Y77	0.9	110	1.35	88	0.22	69
Rivette	0.84	102	1.48	97	0.45	141
Skipton	-	-	-	-	-	-
Tarcoola	0.98	120	1.33	87	0.39	122
CV (%)	13.93		7.51		15.17	
LSD (t/ha)	0.2		0.2		0.08	



Table 3: Canola yield data from wimmera mid maturing conventional nvt trials 2005-2007, expressed as a percentage of ^{AV}Sapphire.

Nearest town	Gerang Gerung				Minyip			
Year	2005				2006		2007	
^{AV} Sapphire yield	1.27		1.23		0.83		0.93	
	t/ha	%	t/ha	%	t/ha	%	t/ha	%
^{AG} Drover	1.06	83	1.37	111	1.06	128		
^{AG} Spectrum	1.65	130	1.09	89	0.88	106	0.84	90
^{AV} Garnet	-	-	-	-	1.07	129	1.2	129
^{AV} Jade	1.59	125	1.05	85	0.95	114	0.94	101
^{AV} Ruby	1.64	129	1.13	92	0.79	95		
^{AV} Sapphire	1.27	100	1.23	100	0.83	100	0.93	100
Hyola 50	-	-	-	-	1.26	152	1.37	147
Hyola 61	1.33	105	1.11	90	-	-		
Hyola 75	1.64	129	1.62	132	1.18	142	1.21	130
Hyola 76							1.44	155
MONOLA™ NMC130	1.67	131	1.57	128	0.88	106		
Monola NMC131	-	-	-	-	0.94	113	0.89	96
Pioneer® 44C11	-	-	-	-	0.95	114		
Pioneer®45Y77	-	-	-	-	0.92	111		
Rivette	1.51	119	1.34	109	0.95	114		
Skipton	-	-	-	-	-	-		
Tarcoola	1.63	128	1.25	102	0.83	100	0.68	73
CV (%)	8.9		11.96		8.47		8.03	
LSD (t/ha)	0.29		0.25		0.13		0.14	



Table 4: IMI tolerant canola yield data from wimmera mid maturing nvt trials 2005-2007, expressed as a percentage of Pioneer®46c76.

Nearest Town	Gerang Gerung		Minyip				Gerang Gerung			
Year	2005				2006		2007			
Pioneer®46C76 t/ha	1.74		1.18		0.99		1.04		0.36	
	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%
Pioneer®44C73	-	-	-	-	-	-	1.04	100	0.48	133
Pioneer®45Y77							1.21	116	0.53	147
Pioneer®46C76	1.74	100	1.18	100	0.99	100	1.04	100	0.36	100
Pioneer®46Y78	1.93	110.9	1.68	142.4	1.11	112	1.2	115	0.58	161
RocketCL	1.16	66.67	1.29	109.3	0.83	83.8				
Surpass 603 CL	1.63	93.68	1.1	93.22	-	-				
Warrior CL	1.41	81.03	0.83	70.34	0.95	96	1.19	114	0.43	119
CV (%)	8.9		11.96		8.47		7.78		7.2	
LSD (t/ha)	0.29		0.25		0.13		0.14		0.06	

NB: Data for 2005 and 2006 is a subset of the conventional trial.

Table 5: Triazine tolerant canola yield data from wimmera mid maturing NVT trials at minyip 2005-2007, expressed as a percentage of ^{ATR}Summitt.

Region	Wimmera			
Nearest Town	Minyip			
Year	2005		2007	
Variety Name	t/ha	%	t/ha	%
^{ATR} Summitt	1.32		0.58	
^{ATR} Barra	-	-	0.61	105
^{ATR} Beacon	1.15	87	0.62	107
^{ATR} Cobbler			0.64	110
^{ATR} Marlin	-	-	0.61	105
^{ATR} Summitt	1.32	100	0.58	100
Banjo			0.62	107
BravoTT	1.42	108	0.75	129
CB™Boomer	1.25	95		
Flinders TTC	-	-	0.56	97
Rottnest TTC			0.57	98
Tawriffic TT			0.69	119
ThunderTT	1.53	116	0.5	86
TornadoTT	1.32	100	0.57	98
CV (%)	10.71		8.03	
LSD (t/ha)	0.22		0.14	

