



# Canola variety sowing guide 2012

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The choice of most suitable canola variety for any situation will often follow a consideration of maturity, herbicide tolerance, blackleg resistance and early vigour together with relative yield and oil content. In relation to some of these issues the following points can be made:

- The weed species expected may dictate the need for a herbicide tolerant production system (e.g., triazine tolerant or Clearfield). Remember that a triazine tolerant variety will incur a yield and oil penalty when grown in situations where they are not warranted.

- Varietal blackleg resistance and/or fungicide use should be considered, particularly when rotations are close.

Due to the high levels of blackleg in many areas in SA, it is very important that canola crops are grown at least 500 metres away from last year's canola paddock.

As well, if you have used the same variety for three years or more there is an increased chance of blackleg that can attack that variety. Therefore it is even more important to keep the same variety at least 500 metres away from stubble of that variety.

There has been a wide range of new varieties available for 2011 sowings and a lot more are likely to be released for 2012.

Many of these varieties are hybrids and the likelihood is that in future many more hybrids will be released. When you make your choice about new varieties you should rely on NVT data from the NVT website ([www.nvtonline.com.au](http://www.nvtonline.com.au)) and any of your own ideas from observing trials

in 2011. Remember that canola entries have only been in NVT trials for one year before release so comments about blackleg, quality etc come from company summaries.

The new blackleg ratings have been released and are included in this paper. Full ratings are available on the Australian Oilseeds Federation website: [www.australianoilseeds.com](http://www.australianoilseeds.com)



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In previous years, all canola trials were sown with bare seed, but NVT trials in 2011 have been sown with the same fungicide treatment (Impact-in-furrow) on all varieties so that the reaction to blackleg will be more difficult to assess from looking at the trials.

## Notes on new canola varieties released in 2011

Blackleg ratings are those released in March 2011.

### Conventional varieties

**CB Agamax.** New Release 2011. Early-mid maturing hybrid. Canola Breeders indicate excellent yield in low to medium rainfall, excellent early vigour and good oil content. Blackleg resistance rating MR-MS (P). CB Agamax has not yielded as well as other conventional varieties when no fungicide was applied in 2010 trials.

Tested in NVT trials in 2010 for the first time. Marketed by Canola Breeders.

**CB Taurus.** First released 2009. Very late maturing, "winter" type canola hybrid. Winter grazing option in high rainfall zones.

Canola Breeders indicate excellent yield, excellent early vigour and good oil content. Anticipated to have R blackleg resistance rating. Marketed by Canola Breeders.

### Conventional specialty varieties

**Victory V3001.** (tested as 06H932) Early to mid maturing specialty hybrid developed by Cargill Specialty Canola Oils and Vic. DPI. Good blackleg resistance (MR) and yield potential although a little too early maturing to yield well in the South East where it is targeted. A replacement variety is being tested in 2011 NVT trials. Victory V3001 will be grown under contract production for Cargill and marketed by Cargill Specialty Canola Oils.

### HERBICIDE TOLERANT

#### Clearfield varieties

**Hyola 575CL.** (tested as K9317). Mid-early season hybrid. Pacific Seeds indicate high grain yield and oil content about 1% more than Hyola 571CL. Medium plant height. Blackleg resistance rating MR (P). Tested in SA NVT trials in 2010 where it had higher grain yields than Hyola 571CL. Bred and marketed by Pacific Seeds.

**44Y84 (CL).** Early/early-mid season hybrid. Blackleg resistance rating MR-MS. Included in NVT trials in 2010. Similar grain yields to Hyola 571CL in 2010 trials. Bred and marketed by Pioneer Hi-Bred.

#### Triazine tolerant varieties

**CB Junee HT™** (Trialled as CHYB-127). New Release 2011. Early maturing TT hybrid. Canola Breeders indicate excellent yield, good early vigour and good oil content. Blackleg resistance rating MS (P). Tested in NVT trials in 2010 for the first time. Bred and marketed by Canola Breeders.

**Crusher TT.** Mid maturing OP TT variety - Pacific Seeds indicate good oil and good protein content. Medium-tall plant height. Ideally fits Medium to very high rainfall areas including irrigation,



exhibits good early vigour and good standability. Blackleg resistance rating MS (P). Tested in NVT trials in 2010. Bred and marketed by Pacific Seeds.

**Hyola 751TT.** (tested as T2475 TT). Mid maturing TT variety. (2 to 4 days later than Lightning TT) Pacific Seeds indicate excellent yield, excellent oil and high protein content. Medium-Tall height. Ideally fits medium to very high rainfall areas including irrigation, and exhibits good vigour. Blackleg resistance rating MR (P). Tested in NVT trials in 2009 interstate for first time, not in all trials in SA. Bred and marketed by Pacific Seeds.

**Thumper TT.** (tested as T2214) Mid to mid-late maturing double haploid OP TT variety. - Pacific Seeds indicate very high yield, excellent oil and good protein content. Medium plant height. Ideally fits high to very high rainfall areas including irrigation, exhibits good early vigour and excellent standability. Blackleg resistance rating MR (P). First tested in NVT trials in 2010. Bred and marketed by Pacific Seeds.

**Hyola 555TT.** (tested as T2522) Mid-Early maturing TT Hybrid. (TT version of Hyola 433) Pacific Seeds indicate excellent yield, excellent oil and high protein content.

Ideally fits medium-low right through to high rainfall areas. This Hybrid exhibits good TT Hybrid vigour, medium plant height and excellent standability. Blackleg resistance rating MR (P). Tested in NVT trials in 2010. Bred and marketed by Pacific Seeds.

**Hyola 444TT.** (tested as T98002) Early maturing TT Hybrid. Pacific Seeds indicate excellent yield, excellent oil and high protein content. Medium-short plant height.

Ideally fits low to medium-high rainfall areas and exhibits good TT Hybrid vigour and good standability. Blackleg resistance rating MR-MS (P). Tested in NVT trials in 2010. Bred and marketed by Pacific Seeds.

**Fighter TT.** (tested as T2181) Early to mid-early maturing double haploid OP TT variety. Pacific Seeds indicate good yield with Moderate oil and very high protein content.

Medium-Short height. Ideally fits medium-low to medium-high rainfall areas, exhibits reasonable vigour and excellent standability.

Blackleg resistance rating MR (P). First tested in NVT trials in 2010. Bred and marketed by Pacific Seeds

Long term 2004-2010 (t/ha)								
Entry	Mid North		Yorke P		Lower EP		South East	
	t/ha	# trials	t/ha	# trials	t/ha	# trials	t/ha	# trials
<b>Conventional</b>								
AV Garnet	2.37	15	2.28	10	2.01	10	2.31	14
CB Agamax	2.26	3					2.14	3
Hyola 433	2.44	6	2.30	4	1.98	4	2.35	6
Hyola 50	2.41	15	2.37	10	2.02	10	2.38	14
Victory V3001	2.19	3					2.08	12
<b>Clearfield</b>								
Hyola 575CL							2.15	3
Pioneer 44Y84	1.99	8	2.51	6	1.85	6	1.99	9
Pioneer 45Y82	1.98	5	2.48	4	1.81	4	2.02	6
Pioneer 46Y83	2.04	5	2.56	4	1.90	4	2.07	6
<b>Triazine tolerant</b>								
ATR Cobbler	1.91	11	1.88	8	1.56	8	1.65	11
ATR Snapper							1.80	3
ATR Stingray							1.91	3
CB Jardee HT	2.13	5	2.06	4	1.69	5	1.92	6
CB Mallee HT	2.05	4			1.59	3	1.79	5
CB Scaddan	1.91	8	1.89	6	1.50	6	1.70	8
CB Tanami	1.77	7	1.72	4	1.39	4	1.57	5
CB Telfer	1.63	7	1.54	4	1.39	4	1.44	5
CB Tumby HT	2.04	5	1.99	4	1.60	4	1.78	5
CrusherTT							2.14	3
Fighter TT							1.84	3
Hyola 555TT							2.16	3
Hyola 751TT	2.14	3	2.05	3			2.03	3
Monola 76TT	1.99	8	1.94	6	1.54	6	1.80	8
Monola 77TT	1.99	8	1.95	6	1.55	6	1.79	8
Tawriffic TT	1.98	11	1.91	8	1.59	8	1.79	11
Thumper TT							2.06	3

**ATR-Snapper.** (tested as NT0049) Early-Mid maturing Medium-short height. High oil and protein content. Blackleg resistance rating MS (P). Bred by Canola Alliance. Marketed by Nuseed Pty Ltd.

**ATR-Stingray.** (tested as NT0045) Early maturing. Short height. High oil and protein content. Blackleg resistance rating MR-MS. Bred by AgSeed Research and DPI Victoria. Marketed by Nuseed Pty Ltd.

#### LIKELY NEW VARIETIES FOR 2012

Remember that canola entries have only been in NVT trials for one year before release so comments about blackleg, quality etc come from company summaries.

#### Conventional varieties

**CHYB-187.** Early-mid maturing conventional hybrid. Vigorous early growth. Expected to be grown in low

to medium rainfall regions including irrigation zones. CB trials indicate moderately susceptible to blackleg, and medium-high seed oil content. First year NVT testing in 2011. Bred by Canola Breeders.

#### Conventional specialty varieties

**Victory® V3002** - Breeders code 08H5061C. Early-mid conventional specialty hybrid variety, slightly later than V3001. Good early vigour, good yield potential and high oil content. Expected R-MR (with Jockey) blackleg rating. Expected release in 2012, bred by Cargill and DPI-Victoria, marketed by Cargill.

**Victory® V3003** - Breeders code 08H5067C. Mid conventional specialty hybrid variety. Good early vigour and high yield potential and oil content. Expected R-MR (with Jockey) blackleg rating. Expected release in 2012, bred by Cargill and DPI-Victoria, marketed by Cargill.

Oil content (at 6% moisture) for early season canola trials 2010					
Entry	Tooligie %	Spalding %	Minlaton %	Keith %	Lameroo %
<b>Conventional</b>					
AV Garnet	49.4		49.8	43.6	46.0
CB Agamax	47.6		47.9	40.6	45.2
Hyola 433	49.0		48.5	42.7	46.1
Hyola 50	48.3		50.1	43.2	45.7
Oasis CL	47.3	47.4	47.4	41.3	45.9
Tarcoola	49.9		47.9	41.8	47.7
<b>Triazine tolerant</b>					
ATR Cobbler	46.3	45.4	44.8	43.6	45.6
CB Mallee HT	44.6	45.5	44.3	42.1	42.8
CB Scaddan	44.2	45.2	43.5	40.9	42.4
CB Tanami	45.0	42.0	43.1	42.6	43.8
CB Telfer	46.5	44.7	45.2	44.4	45.6
CB Junee HT	46.0	46.2	46.4		
Fighter TT	44.0	46.1	43.9	42.9	43.1
ATR-Stingray	47.5	47.2	46.5	45.7	46.5
ATR-Snapper	48.7	49.1	48.1	47.8	46.6
Tawriffic TT	49.1	49.5	47.9	46.3	45.8
CB Jardee HT		46.0	45.3	43.7	44.2
CB Tumby HT		46.3	45.1	43.6	44.5
Hyola444TT			46.5		44.6
Crusher TT			46.3		
Hyola555TT			46.4		
Thumper TT			46.2		

### Clearfield varieties

**Hyola® 474CL.** Mid-early maturing CL Hybrid. Pacific Seeds indicate higher yield than Hyola 571CL, very high oil and high protein content. Medium-tall plant height.

Ideally fits medium-low to high rainfall areas including irrigation, and exhibits excellent hybrid vigour.

Anticipated high blackleg resistance rating R-MR. Tested in NVT trials in 2011. Bred and marketed by Pacific Seeds. New release for 2012.

**43Y85CL.** (tested as 08N102I). Early maturing hybrid Clearfield canola. Pioneer Hi-Bred suggest it will be MR(P) for blackleg resistance and equivalent oil content to 44C79.

Selected for short plant height and standability. Tested in NVT trials in 2011. Bred and marketed by Pioneer Hi-Bred.

### Triazine tolerant varieties

**Jackpot TT.** Mid-early maturing open pollinated TT variety. Pacific Seeds indicate very high yield, very high oil and

very high protein content. Medium-Short height. Ideally fits low to medium-high rainfall areas, exhibits good early vigour. Anticipated Blackleg resistance rating of MR. Bred and marketed by Pacific Seeds. Due to be released in 2012.

**Bonanza TT.** Early maturing double haploid open pollinated TT variety. Pacific Seeds indicate good yield for maturity. Good oil and very high protein content. Short plant height suited for direct heading.

Ideally fits low to medium rainfall areas, exhibits excellent early vigour similar to some TT Hybrids. Anticipated Blackleg resistance rating of MR.

Currently being tested in NVT trials in 2011. Bred and marketed by Pacific Seeds. Due to be released in 2012.

**CHYB-148 HT®.** Mid-maturity TT hybrid for medium to high rainfall regions. CB trials indicate moderately resistant to moderately susceptible to blackleg, and medium seed oil content. First year NVT testing in 2011. Bred by Canola Breeders.

**CHYB-147 HT®.** Mid-maturity TT hybrid expected to have broad adaptation across all rainfall regions. CB trials indicate moderately resistant to moderately susceptible to blackleg, and medium seed oil content. First year NVT testing in 2011. Bred by Canola Breeders.

**CHYB-144 HT®.** Early maturity TT hybrid for low to medium rainfall regions. CB trials indicate moderately susceptible to blackleg, and medium seed oil content. First year NVT testing in 2011. Bred by Canola Breeders.

**CBWA-106.** Very early maturity open-pollinated variety for low to medium rainfall regions.

CB trials indicate moderately susceptible to blackleg, and medium seed oil content. First year NVT testing in 2011. Bred by Canola Breeders.

**CBWA-107.** Mid maturity variety, under evaluation. Moderately susceptible to blackleg, and medium seed oil content. First year NVT testing in 2011. Bred by Canola Breeders.

**ATR-Gem (tested as NT0107).** Early-mid maturity triazine tolerant open pollinated variety with better blackleg resistance MR(P) and vigour than TawrifficTT. Slightly shorter than TawrifficTT and with slightly higher oil content.

Bred and marketed by Nuseed. First year of NVT testing in 2011.

### Triazine tolerant specialty varieties

**Monola 506TT.** New release (coded NL0437). Early to early mid maturing Monola™ variety, similar maturity to ATR-Cobbler.

Higher oil content and yield than ATR-Cobbler.

Height similar to Monola 77TT. Blackleg resistance rating MR (P). Tested in NVT trials in 2011 for the first time. Developed by Nuseed, grown under contract with a premium to Nuseed Crop Network.

**Monola 605TT.** New release (coded NL0305). Early to mid maturing Monola™ variety, similar maturity to Tawriffic TT.

Slightly higher oil content than ATR-Cobbler. Height shorter than Monola 77TT. More vigorous than Monola 77TT. Blackleg resistance rating MR (P).

Tested in NVT trials in 2011 for the first time. Developed by Nuseed, grown under



contract with a premium to Nuseed Crop Network.

**Monola 707TT.** New release (coded NL0587). Mid maturing Monola™

variety, similar maturity to Monola 77TT. Lower oil content than ATR-Cobbler. Height shorter than Monola 77TT. Similar vigour to Monola 77TT. Blackleg

resistance rating R (P). Tested in NVT trials in 2011 for the first time. Developed by Nuseed, grown under contract with a premium to Nuseed Crop Network. ■

Oil content (at 6% moisture) for mid season canola trials 2010											
Entry	Arthurlton %	Minlaton %	Spalding %	Riverton %	Turretfield %	Mount Hope %	Yeelanna %	Bordertown %	Frances %	Bool Lagoon %	Mean %
<b>Conventional</b>											
AV Garnet	47.2	50.2	50	52.2	43.3	49.6	50.8	48	46	44.9	48.2
CB Agamax	45.1	47.6	47.6	48.6	43.4	48	48.8	46.1	44.5	44.8	46.5
Hyola 433	46.6	48.4	48.6	49.1	43.9	49.1	49.2	47.6	47	46.7	47.6
Hyola 50	47.6	49.6	49.8	50.6	43.7	49.1	49.8	47.9	46.6	46.2	48.1
Victory V3001	44.3	45.8	48	47.6	41.5	46.3	46.4	47.1	44.8	44	45.6
Clearfield											
Hyola 571CL	44.6	45.8	46.9	47.3	43.6	46.2	48.1	46.5	45.8	44.9	46.0
Hyola 575CL	46.2	48.2	47.3	49.5	44.3	48.5	47.6	47.7	45.4	46.1	47.1
Hyola 676CL	48	48.6	48.1	51.2	45.8	49.8	50.3	48	46.8	46	48.3
Pioneer 44Y84	46.2	48	48.1	49.2	44.2	48.2	47.3	47.4	43.2	44.3	46.6
Pioneer 45Y82	44.5	46.9	45.3	48.4	43.8	45.4	46.7	45.9	44.2	44.6	45.6
Pioneer 46Y78	45.9	48.7	47.1	49.8	45.2	48.5	48.3	47.5	44.8	43.9	47.0
Pioneer 46Y83	46	48.8	48.5	49.6	44.5	48.4	48.5	47.7	45	44.8	47.2
<b>Triazine tolerant</b>											
ATR Cobbler	45	43.4	47.8	49.4	42.2	46.5	48.5	44.9	41.7	43.7	45.3
CB Argyle		46.2	47.9	50.8	44.5	46.7	50.8	46.5	43	44.9	
CB Jardee HT	44.1	43.1	46.4	48	40.8	46.6	46.9	45.5	42.5	41.4	44.5
CB Mallee HT	43.2	42.6	45.3	47.3	40	45	46.8	44.1	41.4	42	43.8
CB Scaddan	44	44.1	45.8	46.7	40	45.5	47.1	44.5	43.4	41.8	44.3
CB Tumby HT	44.8	44.5	46.6	48	41.7	46.5	47.4	45.8	43.5	41.2	45.0
CrusherTT	44.5	44.4	48.2	49.5	41.7	47.1	49.2	46	43.2	44.1	45.8
Fighter TT	43.6	44	46.6	48.1	40.2	45.2	47.5	44.1	44.3	42.6	44.6
Hyola 555TT	45.9	44.4	47.4	48.5	43.1	46.7	48.7	46.7	44.4	44.5	46.0
Hyola 751TT	43.8	45.5	48	48.5	41.8	46.1	48.2	45.4		43.9	
Monola 76TT	46.6	47.1	48.8	50.4	44.4	48.1	51.3	47.6	43.9	44.9	47.3
Monola 77TT	47.2	46.5	49.9	50.7	43.6	49.1	51.8	46.9	43.9	45.5	47.5
Monola 603TT	46.2	47.4	49.9	50.9	45.2	49.2	51.4	48.9	45.8	45.4	48.0
Monola 704TT	47.1	49.1	50.3	50.9	45.3	48.8	52.3	49.1	46.1	45.4	48.4
ATR-Stingray	46.3	45.3	47.9	50.1	43.6	49.5	50.3	47.2	47.1	46.2	47.4
ATR-Snapper	47.8	47.6	49.7	50.7	44.8	49.2	51.5	47.9	45.7	44.5	47.9
Tawriffic TT	45.4	47.4	48.9	50.5	44.5	48.7	50.1	48.1	45.4	45	47.4
Thumper TT	45.8	46.1	49.3	51.5	42.2	50.4	50.5	46.5	45.9	45	47.3

# National Variety Trials

A GRDC INITIATIVE

## WHAT VARIETIES WILL YOU GROW IN 2012

Check out the NVT website with integrated **Google** map searching for independent trial results on how new varieties have performed.

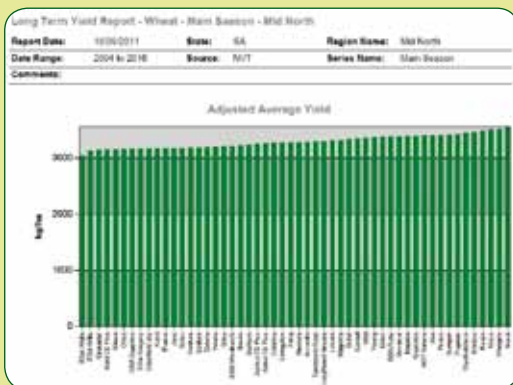
Go to [www.nvtonline.com.au](http://www.nvtonline.com.au)

Presents data on 10 crops and approximately 300 varieties with more than 630 trials conducted annually across all states.



Simply use the crop, sub-crop or postcode filters to find local trial information, as well as state-wide crop links **AT A SITE NEAR YOU**.

Click on a **trial marker** to reveal and access all information for that trial including regional long term yield reports and individual trial data.



To compare yields of varieties in a specific region select Long Term Results from the trial options balloon. This example is for Main Season Wheat in Mid North SA. By scrolling through the report you can view the number of trials conducted for each variety to gain confidence in the result.

Click on the **Current Trial Result** button for a full report for the particular trial, or use the **Statewide Tables of Yield & Grain Quality** button to produce a Microsoft Excel table comparing all varieties in all trials in a particular state for both yield and grain quality.

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