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# Canola Breeders *Tech Sheet*

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**Victoria – August 2008**

## Canola Breeders Background

Canola Breeders was formed with a mandate to breed low-rainfall canola varieties. We have had success in a short period of time in meeting a huge demand for low rainfall canola. We have now begun to develop canola varieties for higher rainfall environments. Look for the CB™ trademark in front of our canola variety names.

## Canola Breeders Varieties – seed available for 2009 sowing.

CB™ Boomer<sup>(d)</sup> - a large seed early-mid season TTOP<sup>®</sup> (triazine tolerant open-pollinated) canola variety adapted to the 300-450 mm cropping zones of eastern Australia. The very large seed size (43% larger than ATR-Beacon) promotes excellent early vigour. Even and rapid maturity sets up the crop for direct harvesting. Oil and protein content are similar to ATR-Beacon.

CB™ Tanami<sup>(d)</sup> - an early season TTOP<sup>®</sup> (triazine tolerant open-pollinated) canola variety adapted to the low rainfall cropping zones of southern Australia. CB™ Tanami<sup>(d)</sup> is the leading canola in low rainfall regions - "if wheat will grow, Tanami will grow". CB™ Tanami<sup>(d)</sup> has excellent early vigour and drought tolerance giving it outstanding establishment even in tough seasons. Oil and protein content are similar to ATR-Stubby.

CB™ Argyle<sup>(d)</sup> - a new mid season TTOP<sup>®</sup> (triazine tolerant open-pollinated) canola variety adapted to the 350+ mm cropping zones of eastern Australia. CB™ Argyle<sup>(d)</sup> has a short stature and even maturity making this an excellent mid-season variety for direct harvesting. Oil and protein of Argyle are high and similar to Thunder TT and Barra. CB™ Argyle<sup>(d)</sup> will be available for sale at the end of 2008.

## Specific Recommendations for CB™ Varieties

Fertilise early - early maturing varieties such as CB™ Tanami<sup>(d)</sup> and CB™ Boomer<sup>(d)</sup> should receive fertiliser at sowing and a second application at no later than 6 weeks. This allows sufficient biomass to be accumulated for prolific seed set in these new early maturing canola varieties.

Flexible planting time – in medium to high rainfall zones, CB™ Tanami<sup>(d)</sup> and CB™ Boomer<sup>(d)</sup> can be planted later in the season (as late as mid June in some cases) to allow for a late break or extra weed control through grazing or additional chemical knock before planting. Fungicide seed dressing should be used against blackleg on CB™ varieties in high rainfall environments.

Direct harvesting – CB™ Tanami<sup>(d)</sup>, CB™ Boomer<sup>(d)</sup>, and CB™ Argyle<sup>(d)</sup> are excellent candidates for direct harvesting. Many growers successfully direct harvest Canola Breeders varieties in Western Australia. All CB breeding trials are direct harvested to provide selection pressure for improved direct harvesting capacity.

## Yield Data – Victoria NVT

### Early Trials

Due to lack of successful early NVT Victorian trials in past seasons, NSW and SA results are given as a guide.

State	NSW	NSW	NSW	NSW	SA	SA	SA	SA	
Region	NW	NW	SW	NW	Mid North	SE	Upper EP	Yorke P	
Nearest Town	Walgett	Coonam.	W. Wyalong	Coonam.	Spalding	Keith	Tooligie	Minlaton	
Trial Year	2006	2006	2006	2007	2007	2007	2007	2007	Av
Variety Name	t/ha	t/ha	t/ha	t/ha					
CB Tanami	1.47	1.12	0.69	0.62	1.69	1.13	0.34	1.14	1.03
CB Boomer	1.33	1.09	0.79	0.65	1.48	1.54	0.20	0.98	1.01
ATR-Banjo	1.11	1.14	0.58	0.53	1.44	1.52	0.03	0.32	0.83
ATR-Beacon	1.11	1.16	0.58	0.58	1.25	1.48	0.04	0.28	0.81
ATR-Cobbler	1.41	1.01	0.78	0.64	1.57	1.46	0.15	1.12	1.02
ATR-Stubby	1.37	1.19	0.72	0.66	1.50	1.53	0.16	0.51	0.96
Bravo TT	1.23	1.18	0.59	0.59	1.66	1.68	0.05	0.75	0.97
Rottnest TTC	1.27	1.05	0.72	0.56	1.47	1.78	0.06	0.78	0.96
Tornado TT	1.27	1.13	0.54	0.57	1.56	1.42	0.07	0.65	0.90
<b>Site Mean (t/ha)</b>	1.25	1.11	0.64	0.60	1.53	1.47	0.10	0.68	
<b>CV (%)</b>	8.74	11.55	13.08	6.33	6.38	14.71	21.73	10.71	
<b>LSD (t/ha)</b>	0.18	0.20	0.13	0.06	0.15	0.34	0.03	0.12	

### Mid Trials

Region	SW	SW	SW	Wimmera	North East	North East	
Nearest Town	Teesdale	Streatham	Hamilton	Minyip	Katamatite	Yarrawonga	
Trial Year	2007	2007	2007	2007	2007	2007	
Variety Name	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	Av
CB Argyle	3.20	3.21	2.71	0.55	0.81	0.80	1.88
ATR-Barra	2.61	2.54	3.00	0.61	0.54	0.54	1.64
ATR-Beacon	1.65	2.30	2.63	0.62	0.62	0.52	1.39
ATR-Marlin	2.75	3.69	3.14	0.61	0.79	0.53	1.92
ATR-Summitt	2.19	2.74	2.68	0.58	0.61	0.61	1.57
Bravo TT	2.11	2.29	3.02	0.75	0.65	0.69	1.59
Flinders TTC	2.36	2.60	2.59	0.56	0.55	0.46	1.52
Rottnest TTC	2.91	3.10	2.71	0.57	0.80	0.75	1.81
Tawriffic TT	3.39	3.18	2.76	0.69	0.56	0.68	1.88
Thunder TT	2.17	2.44	2.84	0.54	0.65	0.64	1.55
Tornado TT	2.71	2.58	2.29	0.57	0.72	0.68	1.59
<b>Site Mean (t/ha)</b>	2.56	2.67	2.65	0.61	0.65	0.61	
<b>CV (%)</b>	14.29	7.34	7.74	12.49	9.69	12.61	
<b>LSD (t/ha)</b>	0.6	0.31	0.34	0.13	0.1	0.12	

### Oil Data – Vic NVT 2007

Due to lack of successful early NVT Victorian trials in past seasons, NSW results are given as a guide.

NVT Mid Vic (6 Sites)	2007 Oil%	NVT Early NSW	2007 Oil%
CB Argyle	38.9	CB Boomer	37.7
ATR-Beacon	39.0	CB Tanami	35.5
Thunder TT	40.3	ATR-Beacon	35.0
		ATR-Cobbler	36.3

For Wholesale Distribution: ABB Seeds  
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