

Canola Variety Trial 2014

The variety trial contains a mix of commercially available varieties, including Roundup Readies, Triazine Tolerants and Clearfields. The trial is managed as a “conventional” trial, ie the herbicide tolerant varieties do not get their respective herbicides applied. Due to the nature of the trial, the maturity range of the varieties sown cannot be too great, and so the trial features mainly mid-season varieties and those with maturities either side, based on our experience that given our sowing date of late April, highest yielding varieties have been predominately the mid to mid-late maturity varieties

Sown at variable rates that ranged from 3.0 to 5.0 kg/ha targeting 40 plants/m² on April 27th, the trial was watered up on April 28th.

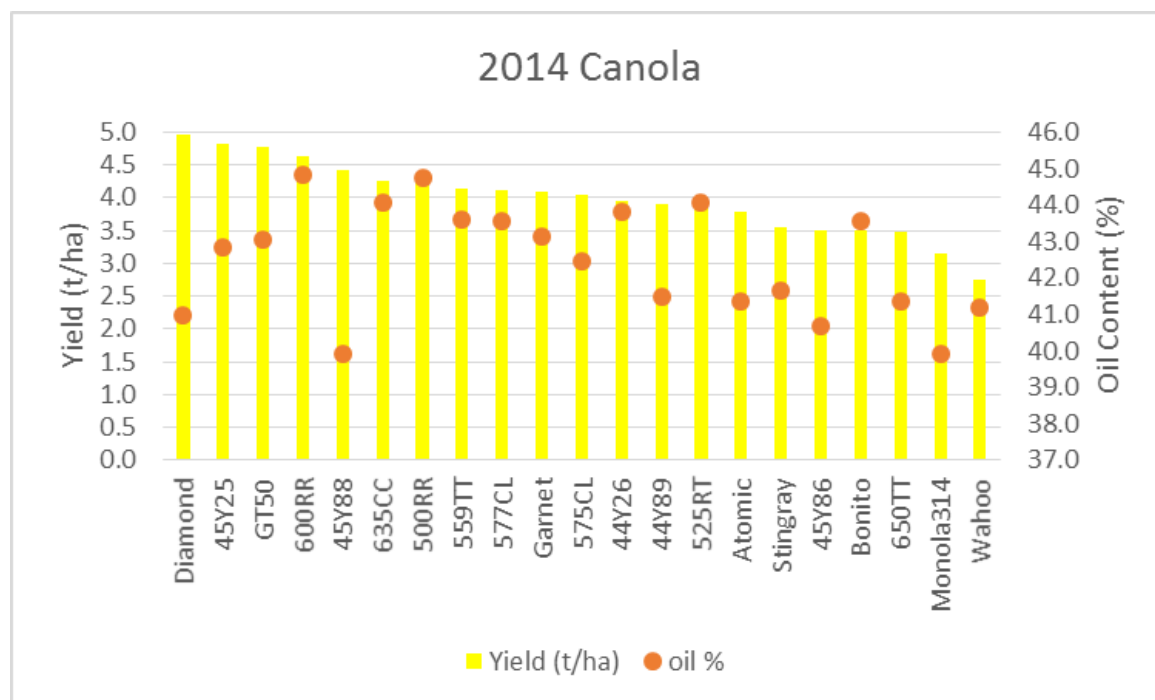
Establishment was excellent and averaged 47 plants/m².

The trial was topdressed on June 29th with 50 kg N/ha and again on July 23rd 50 kg N/ha to bring the total N budget to 240 kg N/ha, enough for a 3.5 t/ha crop.

First spring irrigation was August 24th and again on September 20th.

The trial was windrowed on November 2nd, with some varieties reaching the 100% black seed stage (Diamond and 44Y89) and some still below the 40% colour change threshold (635CC). The trial was windrowed early in the morning so as to minimise any shattering that might have occurred. No varieties suffering from excessive lodging, and the trial was harvested on November 14th.

Below are the yield results, with the trial average being 4.0 t/ha. As per the normal trend for our trial, the TTs, as a group, were the lower yielding (3.53 t/ha), with the CLs next (4.00 t/ha), then the conventionals (4.44 t/ha) and the RRs highest (4.62 t/ha). This is the first season the RRs (as a group) have out-yielded the conventionals.



The least significant difference for the yields was 0.51 t/ha.

Variety	Yield (t/ha)	Height (cm)	Lodging
Diamond	4.96	130	8
45Y25	4.83	140	9
GT50	4.77	135	8
600RR	4.62	170	7
45Y88	4.43	155	9
635CC	4.26	165	8
500RR	4.24	145	8
559TT	4.13	125	8
577CL	4.12	160	9
Garnet	4.09	130	8
575CL	4.05	145	8
44Y26	3.95	145	8
44Y89	3.90	130	9
525RT	3.87	120	8
Atomic	3.79	125	8
Stingray	3.56	105	9
45Y86	3.50	155	9
Bonito	3.49	125	9
650TT	3.48	120	8
Monola314	3.14	115	7
Wahoo	2.75	120	8
p	<0.001		
lsd	0.51		
cv%	7.8		

Medium term performances of the canola varieties at Kerang.

Canola	2009	2010	2011	2012	2013	2014	Average
GT50					97%	117%	107%
AVGarnet	100%	100%	100%	100%	100%	100%	100%
45Y88					88%	108%	98%
Hyola 577CL					86%	101%	94%
AV Zircon				88%	95%		92%
Hyola 50	102%	93%		77%			91%
45Y22			88%	92%	91%		90%
Hyola 575CL				79%	84%	99%	87%
45Y86				81%	90%	86%	86%
Hyola 559 TT				69%	87%	101%	86%
ATR Gem				72%	85%		79%
ATR Stingray			91%	73%	60%	87%	78%
AVGarnet t/ha	4.88	4.82	3.29	4.84	4.68	4.09	4.43