

4.2 CANOLA VARIETY TRIALS

4.2.1 EXPERIMENTS WITH CANOLA

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Table 63: Basic Soil Properties after Bed Formation and before Sowing (0-10cm)

Site	OC%	pH (H ₂ O)	Colwell P mg/kg	Colwell K Mg/kg	Sulphur mg/kg
Gnarwarre	2.5	5.8	42	852	9.5
Lake Bolac	2.4	5.6	23	421	13.1
Tabor	2.6	5.7	41	87	6.3

4.2.2 TRIAZINE TOLERANT CANOLA (VICTORIA)

Table 58: Triazine Tolerant Canola Results

	Gnarwarre	Hamilton	Streatham
Sown:	29 May	19 June	28 May
Site mean:	1.55	1.56	1.97
CV%	9.9	12.2	6.7
Average LSD:	16	20	13
Pinnacle t/ha	1.62	1.63	1.83

	% Pinnacle		
	Gnarwarre	Hamilton	Streatham
AGT111	95	85	105
ATR_BEACON ³³	106	122	111
ATR_GRACE ³³	98	101	115
ATR_HYDEN ³³	78	98	120
PINNACLE ³³	100	100	100
SURPASS501TT ³³	83	39	110
TP004	101	107	100
TP007	93	79	117
TQ005	78	104	111
TQ006	119	124	109
TQ007	97	79	71
TQ008	101	108	123

Findings:

Beacon, Grace and Hyden all yielded at least as well as Pinnacle. Which of those four varieties produced the highest yields depended upon the site. At Gnarwarre, all four varieties produced similar yields. Beacon yielded significantly higher than Pinnacle at Hamilton. Grace and Hyden yielded significantly higher than Pinnacle at Streatham. TQ006 was a consistently high yielding line.

³³ Plant Breeder's Rights Apply.