

STAGE 4 LUPIN VARIETY TESTING

Jennifer Garlinge, Department of Agriculture, South Perth



AIM

Evaluate new and existing lupin varieties.

TRIAL DETAILS

Property	Bruce White, Carnamah
Registered Trial Number	05CH56
Soil group	Coloured Deep Sand. Soil pH (CaCl ₂) 6.4 @ 10cm. 5.0 @ 30cm
Sowing date	3 rd May 2005
Seeding rate	Angustifolius Lupins @ 90 kg/ha
Fertiliser (kg/ha)	3 rd May: Superphosphate 8.4%P @ 100 kg/ha
Paddock rotation	2004 = Wheat, 2003 = Lupins, 2002 = Wheat, 2001 = Lupins
Herbicides	7 th April: Rovral (250 g/L) & Thiraflo (600 g/L) @ 1 mL/kg 3 rd May: Roundup @ 1 L/ha, Simazine @ 2 L/ha 8 th June: Brodal @ 150 mL/ha 20 th June: Select @ 250 mL/ha

Results

Test name	Grain (kg/ha)	%	Harvest Height (cm)	%	Plant Density (1-9)	%
Wonga	1842	114*	25	100	7	117
Kalya	1811	112*	25	100	6	100
Quilnock	1790	111*	25	100	6	100
Tanjil	1615	100	25	100	6	100
Mandelup	1554	96	20	80	6	100
Danja	1440	89*	35	140	5	83
Belara	1379	85*	20	80	6	100
Lupin Mean	1683		25			
Lupin Av.SED	102					
Angustifolius Lupins CV.	7.4		22.9			

* = significant (p=0.05).

Adjusted Yield data. Observation data unadjusted. Percentages are of Tanjil as control.

COMMENTS

NOTE: Herbicide Damage. Score 3 (Mid season (12th September)).

Pre Sowing comment: Good knockdown. Good rains at end of March.

Early Season comment: Germinated well, looks to be some simazine damage. Good rains to keep growing going.

Mid Season comment: Dry July. Trial clean of weeds.

Pre Harvest comment: Good rains in August and September finishes off, trial still thin from probable simazine damage.

Report as at 13:25:54 06 JAN 2006 analysis as at 04 JAN 2006.