

## Stage 4 Lupin Variety Testing

**Aim:** To evaluate new and commonly grown lupin varieties in a low rainfall environment.

**Research Officer:** Jennifer Garlinge  
**Company:** Department of Agriculture



Department of Agriculture  
Government of Western Australia



**Farmer:** Bob Nixon  
**Location:** Kalannie

### Trial Details:

Registered Trial No:	04WH56
Soil group	Coloured deep sand. Soil pH (CaCl <sub>2</sub> ) 4.9 @ 10cm, 5.8 @ 30cm
Sowing date	25 <sup>th</sup> May 2004
Seeding rate	90 kg/ha
Fertiliser	25 <sup>th</sup> May: Big Phos Manganese @ 85 kg/ha
Rotation	2003 = wheat, 2002 = wheat, 2001 = wheat
Sprays	1 <sup>st</sup> May: Rovral (250 g/L) & Thiraflo (600 g/L) @ 1 m/kg 25 <sup>th</sup> May: Sprayseed @ 1.6 L/ha, Simazine @ 1.1 k/ha, Talstar @ 100 mL/ha 9 <sup>th</sup> July: Brodal @ 150 mL/ha 3 <sup>rd</sup> August: Aramo @ 300 mL/ha

### Results:

Test name	Grain kg/ha	%
Quilnock	660	142*
Danja	558	120*
Kalya	558	120*
Wonga	531	115
Mandelup	519	112
Belara	488	105
Merrit	474	102
Tanjil	463	100
Jindalee	196	42*

\* = significant ( $p=0.05$ ). Lupin mean = 569, Lupin Av.SED = 50, Lupin CV. = 10.9  
*Adjusted data. Percentages are of Tanjil as control.*

### Summary:

- There was significant rain in early April.
- There were some dry periods but adequate rainfall overall. Some frosts occurred in July/August.
- Main weed problem was self-sown wheat.

*Report as at 12:52:21 11 JAN 2005 analysis as at 06 JAN 2005.*