

# Barley on Acid Soils

**Aim:** Testing of barley varieties on acid soils.

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**Company:** Department of Agriculture



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

## Trial Details:

Sowing date	8 <sup>th</sup> June
Seeding rate	50 kg/ha
Fertiliser	8 <sup>th</sup> June: Agras #1 @ 150 kg/ha 19 <sup>th</sup> July: Urea @ 50 kg/ha
Rotation	2003 = medic and grasses pasture, 2002 = medic and grasses pasture, 2001 = wheat
Sprays	1 <sup>st</sup> May: Baytan C @ 150 g/l, Triadimenol @ 200 g/L, Cyper @ 1.5 m/kg 5 <sup>th</sup> June: Wipeout 450 @ 1.2 L/ha 8 <sup>th</sup> June: Trifluralin @ 800 mL/ha, Sprayseed @ 2 L/ha 25 <sup>th</sup> June: Hoegrass @ 1.1 L/ha 8 <sup>th</sup> July: Jaguar @ 1 L/ha 12 <sup>th</sup> July: Hoegrass @ 1.1 L/ha 27 <sup>th</sup> July: Jaguar @ 1 L/ha, Lontrel @ 150 mL/ha

## Results:

Test name	Grain kg/ha	%
Doolup	755	128*
Brndabella	721	123*
Doolup	709	121*
Doolup	686	117*
Tulla	630	107
Barque	618	105
Capstan	612	104
Molloy	608	103
WABAR2175	599	102
Stirling	588	100
Baudin	588	100
Hamelin	587	100
Mundah	546	93
Gairdner	515	88*
Yambla	478	81*
Cowabbie	445	76*

\* = significant (p=0.05). Barley mean = 614, Barley Av.Sed = 44, Barley CV. = 8.8

*Adjusted data. Percentages are of Stirling as control.*

## Summary:

- There was significant rain in early April.
- The paddock was cultivated wet at the time of seeding.
- Seeding was delayed due to seed supply problem.
- There were some dry periods but adequate rainfall overall. Some frosts occurred in July/August.
- Main weed problem was radish.

*Report as at 12:52:18 11 JAN 2005 analysis as at 06 JAN 2005.*