

# Early Maturing Barley Varieties

**Aim:** Testing of early maturing barley varieties.

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**Location:** Kalannie

## Trial Details:

|              |  |
|--------------|--|
| Soil Group   | Saline soil. Soil pH (CaCl <sub>2</sub> ) 7.6 @ 10cm, 8.1 @ 30cm   |
| Sowing date  | 9 <sup>th</sup> June 2004  |
| Seeding rate | 50 kg/ha   |
| Fertiliser   | 9 <sup>th</sup> June: Agras #1 @ 150 kg/ha<br>19 <sup>th</sup> July: Urea @ 50 kg/ha   |
| Rotation     | 2003 = wheat, 2002 = unknown pasture, 2001 = wheat   |
| Sprays       | 1 <sup>st</sup> May: Baytan C @ 150 g/L, Triadimenol @ 200 g/L, Cyper @ 1.5 m/kg<br>5 <sup>th</sup> June: Wipeout 450 @ 1.2 L/ha<br>9 <sup>th</sup> June: Trifluralin @ 800 mL/ha, Sprayseed @ 2.4 L/ha<br>25 <sup>th</sup> June: Hoegrass @ 1.1 L/ha<br>8 <sup>th</sup> July: Jaguar @ 1 L/ha<br>12 <sup>th</sup> July: Hoegrass @ 1.1 L/ha<br>27 <sup>th</sup> July: Jaguar @ 1 L/ha, Lontrel @ 150 mL/ha<br>26 <sup>th</sup> August: Dominex @ 125 mL/a |

## Results:

| Test name  | Grain kg/ha | %   |
|------------|-------------|-----|
| Mundah     | 2163        | 108 |
| Doolup     | 2103        | 105 |
| Doolup     | 2041        | 102 |
| Doolup     | 2019        | 101 |
| Molloy     | 2015        | 101 |
| Stirling   | 2004        | 100 |
| Schooner   | 1909        | 95  |
| Stirling   | 1899        | 95  |
| Baudin     | 1851        | 92  |
| WABAR2175  | 1845        | 92  |
| Barque     | 1818        | 91  |
| W3416-1572 | 1804        | 90  |
| Gairdner   | 1799        | 90  |
| Gairdner   | 1721        | 86* |
| Hamelin    | 1682        | 84* |
| Cowabbie   | 1624        | 81* |
| Tulla      | 1623        | 81* |
| Harrington | 1443        | 72* |

\* = significant (p=0.05). Barley mean = 1782, Barley Av.SED = 62, Barley CV. = 4.3  
*Adjusted data. Percentages are of Stirling as control.*

## Summary:

- There was significant rain in early April.
- It was very wet at time of seeding.
- Reduced emergence due to soil crusting and seeding depth.
- There was adequate rain overall but dry at emergence.

*Report as at 12:52:05 11 JAN 2005 analysis as at 06 JAN 2005.*

*Cereal Research Results*