

BARLEY TOLERANCE TO ACID/ALUMINIUM

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AIM

Evaluate tolerance of Barley to acid and aluminium toxicity.

TRIAL DETAILS

| | |
|--------------------|--|
| Property | Bob Nixon, Kalannie |
| Soil Group | Soil pH (CaCl ₂) 6.1 @ 10cm. 4.2 @ 30cm. |
| Sowing date | 28/6/06 |
| Seeding rate | 76 kg/ha |
| Fertiliser (kg/ha) | 28/6/06: Agras #1 80 kg/ha |
| Rotation | 2005 = Medic & Grasses Pasture, 2004 = Wheat, 2003 = Medic & Grasses Pasture, 15/4/06: Baytan C 150 g/L Triadimenol 200 g/L Cyper 1 mL/kg |
| Pesticides | 28/6/06: Treflan 1.6 L/ha; Sprayseed 1.6 L/ha 12/9/06: Broadside (Nufarm) 1.4 cod 15/9/06: Dominex 200 mL/ha |

RESULTS

| Test name | Yield (kg/ha) | % of Stirling |
|---------------------------------------|---------------|---------------|
| Yarra | 392 | 116 |
| Baudin | 391 | 116 |
| Gairdner | 347 | 103 |
| Stirling | 338 | 100 |
| Hamelin | 327 | 97 |
| Brndabella | 286 | 85 |
| WABAR2315 | 263 | 78* |
| WABAR2312 | 259 | 77* |
| Tulla | 238 | 70* |
| WABAR2317 | 237 | 70* |
| Vlamingh | 218 | 65* |
| Yambla | 208 | 62* |
| *=Significant (0.05) | | |
| Mean | 316 | |
| Av. SED | 39 | |
| CV | 15.2 | |
| Adjusted Yield Data. Obs Date: 21 Nov | | |

COMMENTS

Capeweed Score 2 (Mid season (18 SEP)).

Pre Sowing Cultivated in April by farmer, 1st knockdown spray by farmer as a summer spray.
Early Season Slow germination due to season.
Mid Season Very stressed until good rain in september.
Pre Harvest Droughted.

Report as at 11:23:40 03 JAN 2007 analysis as at 11 DEC 2006.