

# Barley National Variety Trial – East Coorow

Australian Crop Accreditation System Limited



## Aim

Barley variety evaluation

## Background

NVT is a national program of comparative crop variety testing with standardised trial management, data generation, collection and dissemination. The program is supported by the Australian Government and growers through the Grains Research and Development Corporation and is managed by the Australian Crop Accreditation System Limited.

## Trial Details

<b>Property</b>	Rod Birch, East Coorow
<b>Plot size &amp; replication</b>	1.76m x 12m x 3 replications
<b>Soil type</b>	Sandy loam
<b>Soil pH (CaCl<sub>2</sub>)</b>	4.9
<b>EC</b>	0.032 dS/m
<b>Paddock rotation</b>	2009 wheat, 2010 lupins
<b>Seeding date</b>	25/5/11
<b>Seeding rate</b>	75 kg/ha
<b>Fertiliser</b>	25/5/11: 80 kg/ha Urea, 100 kg/ha Gusto Gold 26/7/11: 40 kg/ha Urea
<b>Herbicides</b>	25/5/11: 2 L/ha Paraquat Diquat, 1.6 L/ha Trifluralin, 1 L/ha Chlorpyrifos. 13/7/11: 1 L/ha Velocity, 0.5 L/ha MCPA LVE, 1% v/v Hasten
<b>Growing Season Rainfall</b>	330mm

## Results

**Table 1:** Yield and quality of barley varieties sown at East Coorow.

Variety Name	Yield (t/ha)	Percentage of site mean (%)	Hectolitre Weight	Protein (%)
Stirling	2.47	71	63.40	12.3
Baudin	2.57	74	59.60	11.2
Mundah	3.17	91	61.60	11.2
Navigator	3.21	92	61.60	10.1
Bass	3.25	93	65.00	11.2
Fleet	3.32	95	61.60	10.0
Scope	3.33	96	63.40	11.2
Henley	3.34	96	60.60	11.2
Gardiner	3.37	97	63.80	11.2
Roe	3.43	99	64.20	11.2
Fathom	3.50	101	63.00	11.2
Buloke	3.52	101	63.40	11.2
Commander	3.56	102	62.80	11.2
Vlamingh	3.59	103	67.00	11.2
Lockyer	3.63	104	63.60	11.2
Hindmarsh	3.92	113	66.00	10.1
Skipper	3.96	114	65.80	11.2
<b>Site Mean (t/ha)</b>	3.48			
<b>CV (%)</b>	5.7			
<b>Probability</b>	<0.001			
<b>LSD (t/ha)</b>	0.33	9		

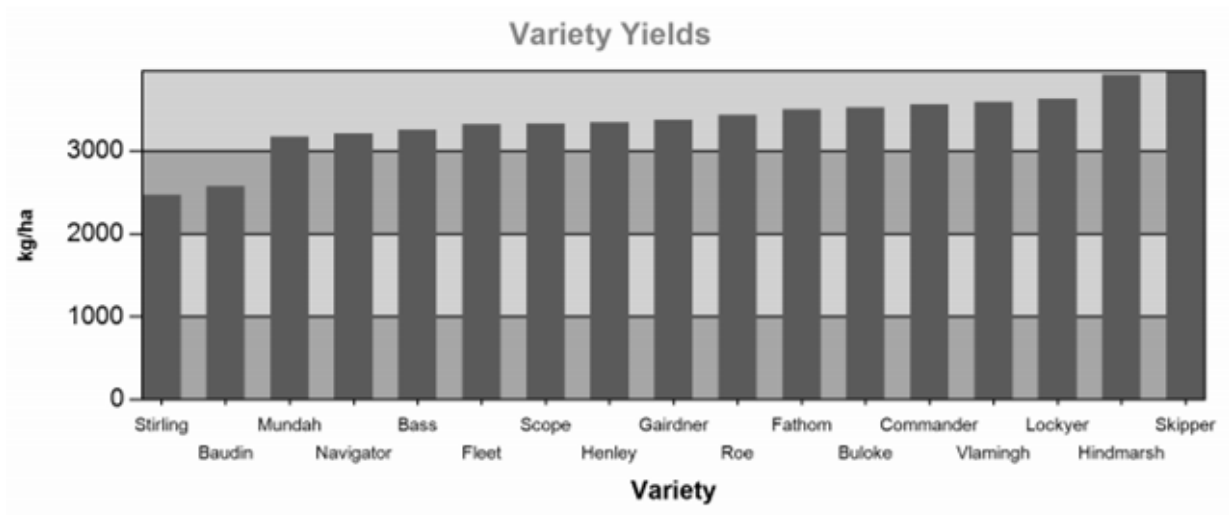


Figure 1: Yield comparison of barley varieties sown at East Coorow.

**Comments**

- For more information please refer to [www.nvtonline.com.au](http://www.nvtonline.com.au)