

BARLEY VARIETY TRIAL

Holly Syme, Agronomist, Landmark



AIM

Evaluate Buloke and Hindmarsh to industry standards.

TRIAL DETAILS

Property	Clint, Ian and Helen Hunt, Marchagee
Plot size & replication	10m x 2m x 3 replications
Soil type	Sandy Loam
Sowing date	20/5/08
Seeding rate	75 kg/ha
Fertiliser	20/5/08: 100 kg/ha Agstar Xtra, 80 kg/ha Urea
Paddock rotation	2006 = wheat, 2007 = wheat
Herbicides	20/5/08: 2 L/ha Roundup Powermax, 2.5 L/ha Boxer Gold, 200 mL/ha Alpha-cypermethrin
Growing Season Rainfall	324mm

RESULTS

Table 1: Yield, percentage of Buloke yield, protein, colour, screenings and weight of barley sown at Marchagee.

Variety	Yield (t/ha)	% of Buloke	Protein (%)	Colour	Screenings (%) *	Weight (g)
Feed Varieties						
Fleet	4.24	119	9.6	55.5	1.3	58.5
Lockyer	4.00	112	9.6	57.4	1.6	64.5
Hindmarsh	3.85	108	10.9	56.3	2.1	66.0
Mundah	3.82	107	10.8	55.1	1.9	62.5
Yagan	3.37	94	11.0	55.3	0.9	61.6
Malt Varieties						
Buloke	3.57	100	11.1	55.4	2.1	64.7
Baudin	3.54	99	10.9	58.4	1.9	64.6
Vlamingh	3.37	94	10.4	58.3	1.3	66.8
Hamelin	2.98	83	11.4	57.4	0.7	56.7
LSD (0.05)	0.54	15				

COMMENTS

- Hindmarsh is a new short season feed variety with excellent disease resistance to powdery mildew, scald and Cereal Cyst Nematode. It has outstanding yield potential, yielding 10% higher than Mundah in 2007.
- It is currently undergoing international brewing evaluation trials. In this trial it may have been disadvantaged by the longer season favouring the longer season varieties but generally it stands up well over a number of years.
- Buloke has been the highest yielding malt barley variety in the NVT for the past two years. It has superior disease resistance compared to commonly grown varieties, particularly for powdery mildew.
- In this trial it yielded very well although it was only significantly different from Hamelin (LSD (0.05)). It only just missed going malt for colour but a large amount of radish was observed in the sample which the trial harvester had trouble removing, this may have affected colour.
- Both Hindmarsh and Buloke are good consistent performers, their superior disease resistance and high yields will become more important in the future as input costs continue to increase.

PAPER REVIEWED BY: DARREN CHITTY.

CONTACT:

Darren Chitty

Email: darren.chitty@landmark.com.au