

Barley NVT Trial

By Pip Payne (Living Farm)

Key messages

- The top yielding varieties in this trial were Leabrook, Fathom, Compass, Commander and La Trobe, (5.62 t/ha average for the top 5 varieties)
- Grower decision on variety choice for 2020 should not be purely based on this data but include data from across the region and over a number of years.

Background

The aim of the National Variety Trial (NVT) program is to generate independent information for growers and industry about newly released varieties of winter field crops relative to the current commercial varieties grown in the area. The data generated can be compared by year/s, location and variety, providing an important decision support tool for growers when assessing if they are growing the right varieties for their farm business.

Results

Table 1: Rainfall (mm) BOM Weather Station

Location	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Dandaragan	1.2	0.0	8.4	10.6	7.2	100.4	43.2	52.2	8.4	18.6	0.6	0.0

Figure1: Yield results Dandaragan barley 2019 (t/ha)

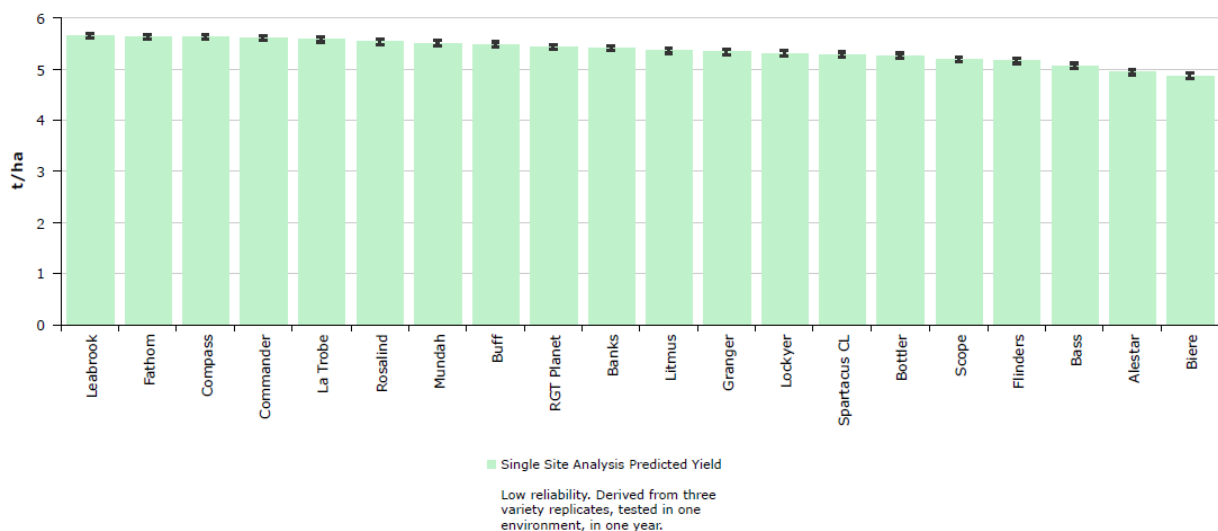


Table 2: Yield and quality results Dandaragan barley 2019

Variety	Yield (t/ha)	Grain Brightness (Colour)	Hectolitre Weight (kg/hL)	Plump Grain (>2.5 mm sieve)	Protein (%)	Screenings (<2.5mm sieve) (%)
Leabrook	5.66	63.00	68.7	95.60	11.8	4.40
Fathom	5.64	61.00	68.6	92.70	12.7	7.30
Compass	5.62	62.50	69.7	94.90	12.3	5.10
Commander	5.61	62.80	69.4	90.00	12	10.00
La Trobe	5.58	61.00	71.0	90.50	11.6	9.50
Rosalind	5.54	59.10	70.2	87.50	11.4	12.50
Mundah	5.52	59.60	68.7	90.90	12.3	9.10
Buff	5.48	62.00	69.4	91.30	11.8	8.70
RGT Planet	5.44	60.20	66.5	85.10	11.4	14.90
Banks	5.41	59.30	69.7	88.90	12.3	11.10
Litmus	5.37	60.60	70.1	89.00	12.2	11.00
Granger	5.33	59.70	69.4	92.10	12.5	7.90
Lockyer	5.30	62.80	69.9	84.30	12.6	15.70
Spartacus CL	5.29	63.30	70.7	89.30	12.5	10.70
Bottler	5.27	61.80	68.6	85.80	11.7	14.20
Scope	5.20	61.10	69.2	85.00	12.4	15.00
Flinders	5.16	62.20	69.4	91.30	12.7	8.70
Bass	5.07	60.80	69.7	92.40	13.4	7.60
Alestar	4.95	62.20	68.3	90.00	11.7	10.00
Biere	4.88	61.60	70.2	91.60	12.8	8.40

Discussion

This trial was sown onto a high yielding, burnt barley stubble on the 7th June. The soil type was a high quality dark Dandaragan sand/loam. Unlike many areas of the state in 2019 this site had reasonable subsoil moisture from some earlier localised rain so germinated and grew exceptionally well. The late start to the season and dry spring tended to suit the quicker varieties, however good yields were returned by all varieties in the trial.

Further Information

Full report available online at the NVT Online website trial code BMA19DAND6

Acknowledgements

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