

## Lupin NVT Trial

By Pip Payne (Living Farm)

### Key messages

- The top yielding varieties in this trial were Coyote, Mandelup, PBA Bateman, PBA Leeman and PBA Jurien (3.01 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

Figure 1: Yield results Dandaragan lupins 2019 (t/ha).

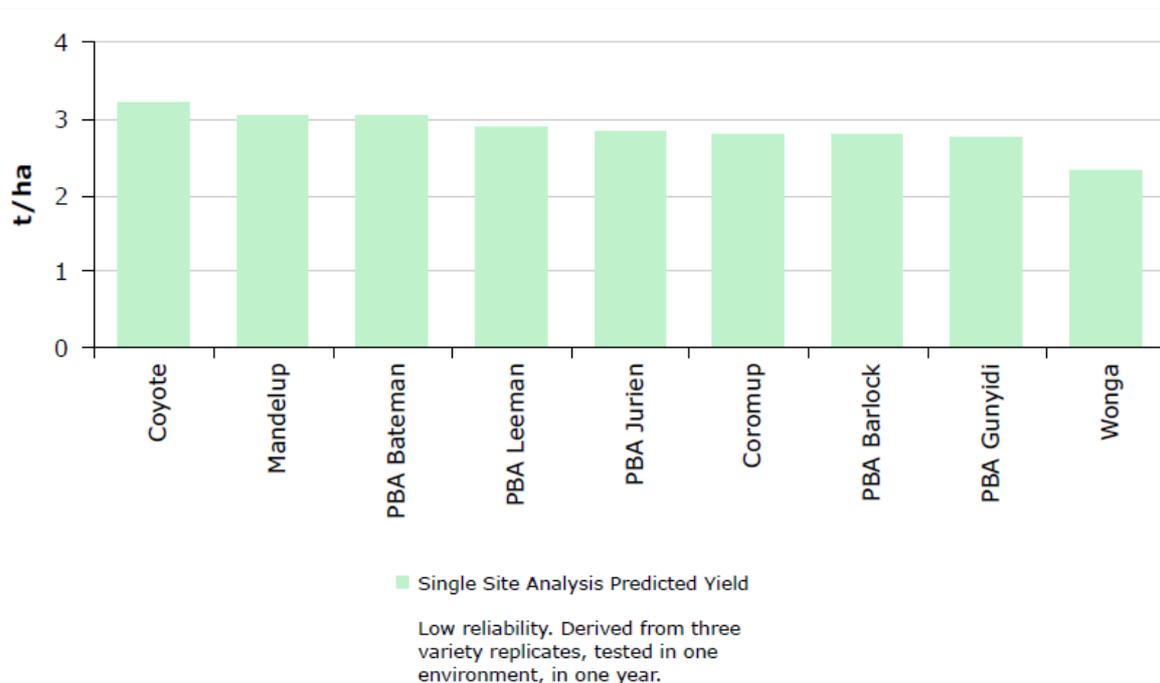


Table 2: Yield and quality results Dandaragan lupins 2019.

Variety	Yield (t/ha)	100 seed weight (g/100seed)
Coyote	3.21	16.43
Mandelup	3.06	16.11
PBA Bateman	3.05	15.94
PBA Leeman	2.89	17.55
PBA Jurien	2.84	16.11
Coromup	2.80	16.84
PBA Barlock	2.79	15.28
PBA Gunyidi	2.75	13.75
Wonga	2.30	14.69

### Discussion

This trial was sown onto a high yielding, burnt barley stubble on the 24<sup>th</sup> May. 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 with a difference of 0.9 t/ha between the highest and lowest yielding varieties.

### Further Information

Full report available online at the NVT Online website trial code LMNA19DAND6.

### Acknowledgements

Thanks to property owner Kayanaba Grazing for providing the site to the West Midlands Group and Living Farm to conduct the trial. Thanks to the participating companies, GRDC and the NVT program co-ordinators.