"Oaten Hay Trial Results 2012"

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Key Outcomes:

- Riel produced the highest Dry Matter (t/ha) and yielded significantly higher than Brusher but not significantly higher than Wintaroo
- There was no significant difference in yield between most oat varieties in the trial

Trial Objectives: To compare dry matter yields of commercially available Oaten Hay varieties

Trial Duration: 2012

Location: Navan **Farmer Co-operators**: Pat & Mary Connell

Soil Type: Black Cracking Clay

Paddock History: 2010 Wheat
2011 Oats Hay

Monthly Rainfall:

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
18	11	55	16	42.5	76.5	38	46.5	29	21.5	4.5	10

Yield Limiting Factors: Dry Spring

Type of Trial: Replicated small plot trial

Trial Design: Randomised Complete Block Design

Treatments:

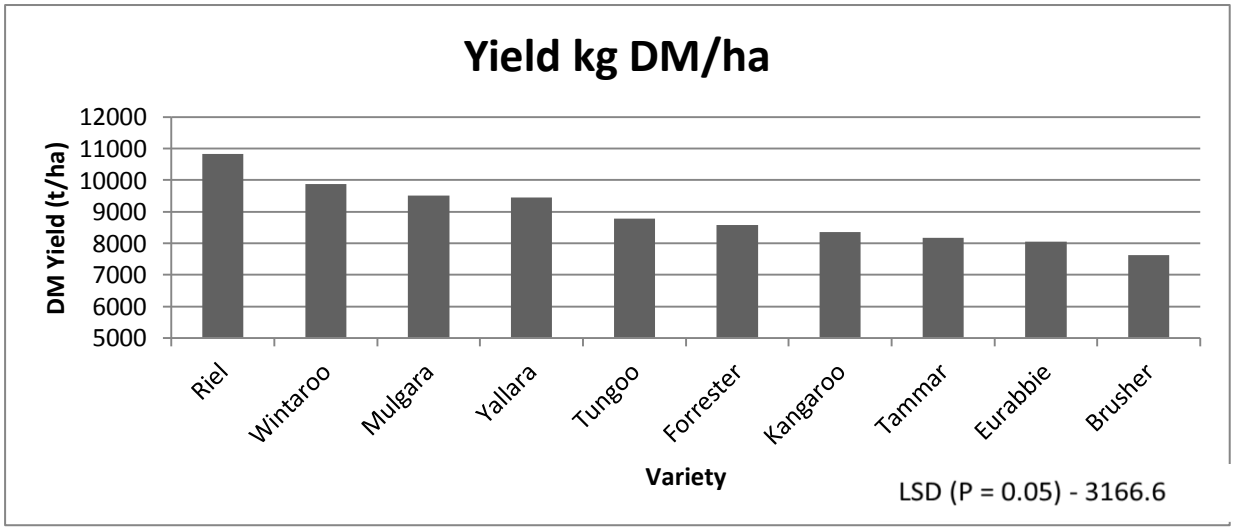
10 commerically available oat varieties were included in the trial (See Table 1). All plots were sown on 11/05/2012 with 80kg of Triple Super Phosphate (0:20.7:0:1:15Ca) at 300 seeds/m^2. On 23/05/2012, the plots were spread with 44kg/ha N. Plots were cut at growth stage Z61 (flowering). At the time of writing, hay quality was not known. Nitrogen applications were made in the form of urea.

Table 1: Oaten Hay varieties tested in the MNHRZ Oats Agronomy Trial, 2012

Wintaroo	Brusher
Tungoo	Forrester
Riel	Tammar
Mulgara	Eurabbie
Yallara	Kangaroo

Results:

Graph 1: The average Dry Matter yield (t/ha) of oaten hay varieties



Comments:

There was very little variance across the trial, particularly between Mulgara, Yallara and Wintaroo. There was a significant difference in yield between Riel and Brusher Oats.

Conclusions and into the paddock:

The results are typical of previous oaten hay yield variety trials. Riel, while not statistically significant, produced the highest dry matter compared to the next highest yielder, Wintaroo.

Acknowledgements

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