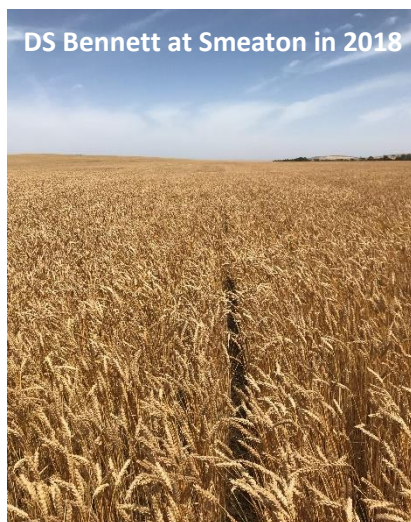


DS Bennett ^D

- Long season winter wheat
- ASW classification in VIC, SA & Sth NSW
- Tall awn-less plant type
- Ideal for early planting and graze & grain

AGF Seeds have been growing DS Bennett for 2 years and have been impressed with the vigour and performance of the variety. In Spring 2018, a shortage of forage seed including oats for planting in Autumn 2019 was forecast and an opportunity to compare dry matter yields and quality was prioritised. AGF Seeds have a trial and evaluation site at Smeaton and had DS Bennett and Wintaroo oats included in an autumn planted demonstration that were available for use in a comparison. Both varieties had similar management with no additional inputs applied to either. Wintaroo was chosen because it is a well-known local standard.



Two quadrant cuts were taken from each variety on 2/11/2018.

Dry matter was calculated using a composite sample of each variety and samples were sent to Feed Test laboratory at Werribee.

Summary of results:

Parameter calculated by AGF Seeds	DS Bennett	Wintaroo Oats
Average Dry Matter (DM) production	13.7 tonnes DM per ha	15.0 tonnes DM per ha
Metabolisable energy (megajoules per kg DM)	9.5 MJ per kg DM	7.4 MJ per kg DM
Feed test laboratory results: NIR Package (FT/003)		
Dry Matter %	28	24
Moisture	72	76
Crude Protein (% of dry matter)	9.4	8.8
Acid Detergent Fibre (% of dry matter)	26.9	36.5
Neutral Detergent Fibre (% of dry matter)	51.6	62.4
Digestibility (DMD) (% of dry matter)	64.7	52.2
Digestibility (DOMD) (calculated) (% of dry matter)	61.7	51.1
EST. Metabolisable Energy (calculated)(MJ/kg DM)	9.5	7.4
Fat (% of dry matter)	2.8	2.6
Ash (% of dry matter)	2.5	2.7

From the comparison, Wintaroo oats appeared to yield around 10% higher in dry matter than DS Bennett. DS Bennett appeared to have a more desirable feed test than the oat with lower NDF, higher protein and higher metabolizable energy; all very important feed quality traits. With awn-less heads, good early vigour and late season quality; DS Bennett is a sound grazing, forage and grain multi-purpose variety.

Grain and Graze program: <https://grdc.com.au/resources-and-publications/grdc-update-papers/tab-content/grdc-update-papers/2017/02/insights-from-the-grain-and-graze-program>

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