

DS BENNETT



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- High yielding, awnless winter wheat
- Australian Standard white (ASW) classification for South east and Southern Zones
- Ideal for graze and grain or straight grain production
- Suitable for sowing from mid March
- Excellent disease package: MRMS for YLS; R for stripe; MR stem rust
- As a wheat, provides alternative herbicide control options compared to oats and other forage crops

BREEDING

DS Bennett was bred from a complex cross via the HRZ program, targeting improved BYDV tolerance and YLS resistance in a milling class winter wheat. This line was selected through Dow Seeds southern wheat breeding program.

PLANT TYPE

DS Bennett is a tall awnless wheat ideally suited to the high and medium rainfall zones, with an early planting opportunity.

In graze and grain operations optimal sowing time is from mid-March through to early May. DS Bennett provides excellent biomass accumulation. In situations

where grazing is not applicable a later sowing will help to manage excessive biomass.

DS Bennett is a full winter wheat, with photoperiod sensitivity, such that it will generally flower 7-10 days later than EGA Wedgetail. DS Bennett's photoperiod genes lead to a consistent flowering time across a range of environments generally occurring later in the optimal flowering window, thus helping to reduce the risk of frost exposure.

DS Bennett provides strong YLS and stripe rust resistance.

FOR BEST RESULTS

Sowing window mid-March until early May.

- Sow early for grain and graze situations; manage biomass with grazing.
- Sow later for non-graze situations to manage biomass accumulation.



Photo 1. DS Bennett, Smeaton Vic, 2017

Table 1. Long season, NVT yield data, 2016-17 (typically sown mid to late April).

Varieties	NSW NE		NSW SE		Vic SW		Tas	
	No. Sites	Av. Site Mean	No. Sites	Av. Site Mean	No. Sites	Av. Site Mean	No. Sites	Av. Site Mean
DS Bennett	3	109	9	117	4	119	2	113
EGA Wedgetail	3	97	9	91	4	94	2	95
Longsword#	3	124	9	82	4	89	2	96
LRPB Kittyhawk	3	104	9	97	4	87	2	96
RGT Accroc#	3	108	9	124	4	120	2	113
SQP Revenue#	3	87	9	120	4	118	2	107

Feed variety classification



Table 2. Early season, Southern Classification Zone, NVT yield data, 2016-17 (typically sown late April to mid May).

Varieties	Vic SW		Vic NE		SA SE	
	No. Sites	Av. Site Mean	No. Sites	Av. Site Mean	No. Sites	Av. Site Mean
DS Bennett	6	110	2	104	2	115
Beckom	6	99	2	103	2	97
EGA Wedgetail	6	96	2	95	2	96
Longsword#	6	98	2	102	2	104
LRPB Beaufort#	6	105	-	-	2	113
LRPB Kittyhawk	6	88	2	93	2	96
LRPB Trojan	6	104	2	98	2	106
SQP Revenue#	6	111	1	105	2	109

Table 3. Early season, South East Classification Zone, NVT yield data, 2016-17 (typically sown late April to mid May).

Varieties	NSW SE		NSW SW	
	No. Sites	Av. Site Mean	No. Sites	Av. Site Mean
DS Bennett	11	111	12	111
EGA Gregory	11	99	12	93
EGA Wedgetail	11	98	12	98
Longsword#	11	98	12	99
LRPB Kittyhawk	11	98	12	98
LRPB Lancer	11	96	12	105
LRPB Trojan	11	103	12	102
RGT Accroc#	11	115	-	-

Feed classification varieties.

Table 4. NSW DPI Graze and Grain yield data, 2017 (typically sown mid April).

Varieties	Av. % of EGA Wedgetail Yield	Av. % of EGA Wedgetail DM1	Av. % of EGA Wedgetail DM1
DS Bennett	126	85	92
EGA Wedgetail	100	100	100
Longsword#	99	94	109
LRPB Kittyhawk	95	91	96
Naparoo#	99	91	99
RGT Accroc#	107	80	95
RGT Calabro#	103	77	91
RGT Zanzibar#	100	80	107
Sunlamb#	87	83	79

Table 5. Disease resistance rating (NVT consensus data)

Varieties	Black Point Res.	CCN Res.	Crown Rot Res.	Stripe Rust (WA pathotype) Res.	Stripe Rust (WA + Yr17 + Yr27) Res.	Stem Rust Res.	Leaf Rust Res.	Septoria tritici Res.	Yellow Leaf Spot Res.	Pratylenchus neglectus Res.	Pratylenchus thomei Res.
DS Bennett	S	MS-S	VS(P)	R	R	MR-MS(P)	S(P)	MS-S	MR-MS	S	MS-S
EGA Wedgetail	MS	-	S	MS	MS	MR-MS	MS-S	MS-S	MS-S	S	VS
LRPB Kittyhawk	MR-MS	S	S-VS	R-MR	R-MR	S(P)	MS	MS	MR-MS	MS-S	S
Longsword	MS	MR-MS	S(P)	R-MR	R-MR	MR	MS-S	MS-S	MR-MS	MR-MS	MR
SQP Revenue	MS	S	S-VS	R	R	R-MR	S	S	MS	S	S
RGT Accroc	MR-MS	S	S	R	R	MS	VS	S(P)	MR-MS	S	MS-S

Resistance Ratings: R = Resistant, R-MR = Resistant-Moderately Resistant, MR-MS = Moderately Resistant-Moderately Susceptible, MS = Moderately Susceptible, MS-S = Moderately Susceptible-Susceptible, S = Susceptible, S-VS = Susceptible-Very Susceptible, VS = Very Susceptible, (P) = provisional rating.



PBR and EPR

DS Bennett is protected by Plant Breeders Rights (PBR). In regard to propagating material (planting seed) of this variety, any unauthorised commercial production or reproduction, conditioning for propagation, offering for sale, sale, import, export or

stocking of propagating material is an infringement under the Plant Breeders Rights Act 1994. Grower to grower trading of seed of DS Bennett is allowed from 2020-21.

DS Bennett growers will be subject to a Licence Agreement at the point of purchase that acknowledges an End Point Royalty (EPR) payment of \$4.25/tonne excluding GST to be paid on all production other than retained planting seed.

SEED AVAILABILITY

Seed is available through your Seednet partner: AGF Seeds; AG Schilling & Co; Auswest Seeds; Baker Seeds; Booleroo Centre Seeds; Colrae Seeds; Galleon Grains; Hart Bros; RH Verner & Co; Minnipa Agricultural Centre; Modra Seeds; multiSEED Productions.

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Version July 2018.



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