

Beckom[®]



- ✓ Very high and stable grain yield
- ✓ Mid-season maturity
- ✓ Acid and boron soil tolerant
- ✓ AH quality classification
- ✓ Good resistance to stem and stripe rust
- ✓ Short conservative plant type
- ✓ CCN resistance

Breeders comments

Beckom was selected from a cross involving Annuello, Stylet and Young. The aim of the cross was to combine aluminium and boron tolerance with CCN resistance and root lesion nematode (RLN) (*P. thornei*) tolerance, resulting in a broadly adapted variety.

Beckom is a high performing AH variety across southern Australia, particularly when used in an early to mid sowing window.

Beckom offers some planting date flexibility as it has moderate photoperiod and vernalisation requirements, allowing growers to plant Beckom confidently from the beginning through to the third week of May. Generally at a mid May planting at Roseworthy, Beckom flowers five days later compared to Mace.

Beckom has moderate grain size, however screenings losses may become an issue in seasons when grain fill is curtailed by a combination of heat shock and drought stress. Appropriate time of planting is therefore important. In the 2014 NVTs Beckom produced moderate screenings levels, similar to most control varieties; whilst in the sharp finishing 2015 season Beckom, like a number of other new and old varieties, produced higher screenings losses. In 2015 Beckom was included in both the early and main sown NVTs. Screenings losses were noticeably lower in trials planted in the early sowing window. Both AGT and NVT data suggest that sowing Beckom at the end of April through to the second week of May will maximise potential yield while reducing the risk of downgrading due to screenings losses.

Short in height, Beckom produces plants with moderate early vigour and straw strength, but with good threshability. You may notice some browning at the tip of Beckom's leaves; this is called 'leaf tip necrosis' and is associated with adult plant resistance genes held by the variety to combat rust. There is no need to treat or manage this leaf tipping as it is a normal feature of the variety.

Seed Availability

Commercial quantities of Beckom may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details.

Beckom is able to be traded between growers upon the completion of a License Agreement as part of AGT's Seed Sharing™ initiative.

PBR and EPR

Beckom is protected by Plant Breeders Rights (PBR) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Beckom growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$3.25/tonne + GST has to be paid on all production other than seed saved for planting.



Predicted yield of Beckom versus control varieties: Main season NVT series

Grain yield as % of region average (NVT long term MET analysis 2012-2016)

	Beckom	Cobra	Cosmick	Derrimut	Scepter	Scout	Trojan	<i>Trial mean (t/ha)</i>
Mallee Victoria	110	97	109	103	112	104	107	2.18
Wimmera Victoria	107	105	106	99	110	104	108	3.83
North Central Victoria	108	104	105	99	109	103	106	3.68
North East Victoria	109	106	105	98	106	104	107	4.9
Lower EP South Australia	109	107	107	98	113	103	108	3.83
Upper EP South Australia	107	102	105	99	111	101	104	1.97
Yorke Peninsula South Australia	108	106	106	98	111	103	108	4.42
Mid North South Australia	107	105	106	98	110	103	107	3.65
Murray Mallee South Australia	110	99	108	101	114	102	108	2.61
South East South Australia	107	108	106	98	109	104	109	4.33

Predicted yield of Beckom versus control varieties: Early sown NVT series

Grain yield as % of region average (NVT long term MET analysis 2012-2016)

	Beckom	Bolac	Coolah	Cutlass	Kiora	Phantom	Scout	Trojan	<i>Trial mean (t/ha)</i>
North East Victoria	108	101	109	111	106	105	106	111	5.69
South West Victoria	110	102	107	108	109	104	105	111	4.99
South East South Australia	110	103	101	95	109	99	101	107	5.69

Disease, agronomic and grain quality ratings for Beckom and control varieties

	Beckom	Cobra	Corack	Cosmick	Scepter	Scout	Trojan
Stem Rust	MRMS	RMR	MR	MS	MR	RMR	MRMS
Stripe Rust	MRMS	MSS	MS	MSS	MSS	MSS	MR
Leaf Rust	MSS	MR	SVS	SVS	MSS	MR	MRMS
Yellow Leaf Spot	MSS	MRMS	MR	MRMS	MRMS	MRMS	MSS
Crown Rot	S	S	S	S	S	S	MS
CCN Resistance	R	MS	RMR	S	MRMS	MS	MS
Powdery Mildew	MS	MSS	SVS	MSS	SVS	MSS	S
Septoria Tritici Blotch	SVS	MSS	S	SVS	S	MSS	MSS
Boron Tolerance	MT	I	I	-	MT	MI	MT
Acid Soil Tolerance	MT	MT	T	-	MT	MT	MTMI
Maturity	Mid	Early-Mid	Early-Mid	Mid	Mid	Mid	Mid
Plant Height	Short	Short	Short	Medium	Medium	Medium	Medium
Lodging Resistance	MRMS	MR	MR	MRMS	MR	MRMS	MR
Southern Zone Quality Classification	AH	AH	APW	AH	AH	AH	APW
Sprouting Tolerance	MSS	SVS	S	SVS	S	MS	MSS
Black Point Resistance	MS	MSS	S	MRMS	MS	MSS	MRMS
Screenings Risk	Moderate	Moderate	Low	Moderate	Low	Moderate	Moderate
Test Weight	High	-	High	-	High	-	High

R Resistant
 MR Moderately Resistant
 MS Moderately Susceptible
 S Susceptible
 VS Very Susceptible

T Tolerant
 MT Moderately Tolerant
 MI Moderately Intolerant
 I Intolerant
 VI Very Intolerant

Source / 2017 Victorian Winter Crop Summary, NVT and AGT data.



Rob Harris, Marketing Manager, Vic
Dan Vater, Marketing Manager, SA
Russell Eastwood, Wheat Breeder
End Point Royalty Office

0429 576 044
0427 188 919
0427 716 632
(08) 8313 6810

agtbreeding.com.au

Disclaimer / The information contained in this brochure is based on knowledge and understanding at the time of writing. Growers should be aware of the need to regularly consult with their advisors on local conditions and currency of information.