Beckom

- AH quality classification
- Quick-mid maturity
- High and stable yields
- Good resistance to stem and stripe rust
- Short, conservative plant type

Breeder's comments

Since its release in 2015, Beckom$^{\Phi}$ has consistently delivered high yields, and along with AH quality and broad adaptation, has become a dominant variety across southern NSW in the main season sowing window.

Beckom$^{\Phi}$ is a quick-mid season maturing variety, and offers some planting date flexibility as it has moderate photoperiod and vernalisation requirements, allowing the variety to perform well when sown from the beginning through to the third week of May.

Beckom$^{\Phi}$ has moderate grain size, however screenings losses may become an issue in seasons when grain fill is curtailed by heat shock or drought stress. Appropriate time of planting is therefore important. Both AGT and NVT data suggest that sowing Beckom$^{\Phi}$ in the first two weeks of May will maximise potential yield while reducing the risk of downgrading due to screenings losses.

Short in height, Beckom$^{\Phi}$ produces plants with moderate early vigour and straw strength, but with good threshability.

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Table 1. Specifications

Background

Tested as	V06008-14
Released	2015
EPR rate	$3.25/tonne + GST

Performance

Grain yield	Please consult the NVT website for current data: https://nvt.grdc.com.au/

Disease

Stem Rust resistance*	MRMS
Stripe Rust resistance*	MRMS
Leaf Rust resistance*	MSS
Yellow Leaf Spot resistance*	MSS
Powdery Mildew resistance*	S
Septoria Tritici Blotch resistance*	S
CCN resistance*	R
Pratylenchus Neglectus resistance*	S
Pratylenchus Neglectus tolerance*	MTMI
Pratylenchus Thornei resistance*	MSS
Pratylenchus Thornei tolerance*	TMT

Plant Characteristics

Maturity speed^	Quick-mid
Maturity habit^	Spring
Sowing window^	Main
Novel herbicide tolerance^	None (conventional tolerance)
Head type^	Awned
Plant height^	Short to moderately short
Coleoptile length^	Short
Lodging tolerance^	MI

Abiotic Stress

Boron tolerance^	Carries tolerance gene
Acid/aluminium tolerance^	Carries tolerance gene

Grain Quality

Quality classification	AH
Screenings level^	White
Retentions level^	Moderate
Test weight^	Moderate
Sprouting tolerance^°	MII
Black Point resistance*	MRMS

Legend

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
(P)	Provisional rating
NA	Not Available
/	Pathotype differences
-	Range
,	Mixed phenotype
#	May be more susceptible to alternate pathotypes
*	NVT consensus ratings 2025
°	Rating based on Germination Index Values
^	AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: https://bit.ly/TraitRatings

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Seed Availability

Please contact an AGT Affiliate or your local retailer for seed. Consult the AGT website for AGT Affiliate contact details (www.agtbreeding.com.au/affiliates). AGT varieties can be traded between growers upon the completion of a License Agreement as part of AGT's Seed Sharing™ initiative (www.agtbreeding.com.au/seedsharing)

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