

Beast[®]



- High yielding in low-medium rainfall or Mallee type environments
- Very quick maturity, quicker than Compass[Ⓛ]
- Excellent performance in stressed, tight finishing environments and seasons
- Compass[Ⓛ] plant type, with similar early vigour
- Competitive physical grain quality package, with test weight comparable to most commonly grown varieties and excellent grain size resulting in very high retentions
- Has been withdrawn from the Grains Australia malt accreditation program. Is deliverable as a Barley/Feed variety only.

Breeder's comments

In 2014, on the back of success in wheat breeding, we made a commitment to begin a breeding program for Australia's second largest broadacre crop, barley. The decision to begin barley breeding helps us to build on our mission of improving the strength of Australian rural communities through the development and adoption of improved field crop varieties.

Beast[®] is our first ever barley variety, released only six years after the commencement of our nationally focussed barley breeding program.

Beast[®] has been selected from the advanced germplasm pool that we sourced from the University of Adelaide and is derived from a cross including Compass[®] and Hindmarsh[®]. Like Compass[®], Beast[®] boasts a vigorous plant type, which is highly desirable in lower rainfall or Mallee type environments, with improved early vigour over the more erect Hindmarsh[®] types (Latrobe[®], Spartacus CL[®], Rosalind[®]). This also suggests that Beast[®] may be best suited to low-medium rainfall situations where lodging is less of a concern.

Beast[®] is a very quick maturing variety that has recorded its best yields in low-medium yield potential environments. Beast[®] has consistently out-yielded Compass[®] across many environments. Beast[®] has shown its best yields, relative to other varieties, in regions that experience terminal drought stress.

Beast[®] has been withdrawn from the Grains Australia malt accreditation program. Beast[®] is deliverable into the Barley/Feed grade.

Table 1. Specifications

Background

Tested as	AGTB0113
Released	2020
EPR rate	\$4.00/tonne + GST

Performance

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

Leaf Rust resistance*	S
Powdery Mildew resistance*	S
Net Blotch (Net Form) resistance* (SA)	MRMS-S
Net Blotch (Net Form) resistance* (VIC)	MRMS
Net Blotch (Net Form) resistance* (NSW)	MSS
Net Blotch (Spot Form) resistance* (SA)	MSS
Net Blotch (Spot Form) resistance* (VIC, NSW)	MS
Scald resistance*	SVS
Barley Yellow Dwarf Virus resistance*	MS
CCN resistance*	MR
Pratylenchus Neglectus resistance*	MRMS
Pratylenchus Neglectus tolerance*	MI
Pratylenchus Thornei resistance*	MRMS
Pratylenchus Thornei tolerance*	TMT
Crown Rot resistance*	S

Plant Characteristics

Maturity speed^	Very quick
Maturity habit^	Spring
Sowing window^	Main & Late
Novel herbicide tolerance^	None (conventional tolerance)
Head type^	Awned
Early growth habit^	Semi-erect
Plant height^	Very tall
Coleoptile length^	Moderate
Rachilla hair length^	Long
Lodging tolerance^	I

Grain Quality

Quality classification	FEED
Screenings level^	Very low
Retentions level^	Very high
Test weight^	Moderate
Sprouting tolerance^o	MTMI
Black Point resistance*	MSS

Legend

R	Resistant	VI	Very Intolerant	o	Rating based on Germination Index Values
MR	Moderately Resistant	(P)	Provisional rating	^	AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: https://bit.ly/TraitRatings
MS	Moderately Susceptible	NA	Not Available		
S	Susceptible	/	Pathotype differences		
VS	Very Susceptible	-	Range		
T	Tolerant	,	Mixed phenotype		
MT	Moderately Tolerant	#	May be more susceptible to alternate pathotypes		
MI	Moderately Intolerant	*	NVT consensus ratings 2025		
I	Intolerant				



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)

PBR and EPR

Varieties denoted by the ® symbol are 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. Growers of PBR protected varieties will be subject to a Grower License Agreement that acknowledges that an EPR must be paid on all production other than seed saved for planting.

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agtbreeding.com.au

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. Wherever possible, independent NVT data has been used in this publication. In the absense of NVT data, AGT data has been provided.