

Minotaur[®]



- A lower risk alternative to RGT Planet[Ⓟ] with similar top-end yield potential
- Best suited to medium-high rainfall environments
- Mid maturity, slightly slower than RGT Planet[Ⓟ]
- Broader adaptation than RGT Planet[Ⓟ], delivering more stable yields across a wider range of environmental conditions
- Improved test weight compared with RGT Planet[Ⓟ]
- Malting quality

Breeder's comments

Minotaur[®] enters the market as a clear step-up from the landmark European variety RGT Planet[®]. While RGT Planet[®] is a direct introduction from Europe, Minotaur[®] is the result of an Australian by European cross, bringing together European yield potential with Australian adaptation to our tough growing conditions. Minotaur[®] has demonstrated adaptation across a broader range of seasonal conditions and regions than RGT Planet[®], which can be penalised under drier, stressed conditions.

In addition to competitive yields, Minotaur[®] offers some improvements in physical grain quality, delivering higher test weight compared with RGT Planet[®]. The yield stability combined with improved test weight means that Minotaur[®] is a safer variety to use than RGT Planet[®] for growers looking to mitigate the risk of highly variable seasons.

Minotaur[®] is a mid maturing variety, reaching awn peep a couple of days later than RGT Planet[®] and is ideally suited to medium-high yield potential environments. Minotaur[®] has a relatively compact plant type with moderate tolerance to lodging. Minotaur[®] has been accredited as a Malting Barley by Grains Australia.

Table 1. Specifications

Background

Tested as	AGTB0213
Released	2021
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* (SA, NSW)	SVS
Leaf Rust resistance* (VIC)	VS
Powdery Mildew resistance*	S
Net Blotch (Net Form) resistance* (VIC, NSW)	MRMS
Net Blotch (Net Form) resistance* (SA)	MR-MS
Net Blotch (Spot Form) resistance*	S
Scald resistance*	VS
Barley Yellow Dwarf Virus resistance*	MS
CCN resistance*	R
Pratylenchus Neglectus resistance*	MRMS
Pratylenchus Neglectus tolerance*	MI
Pratylenchus Thornei resistance*	MRMS
Pratylenchus Thornei tolerance*	TMT
Crown Rot resistance*	MSS

Plant Characteristics

Maturity speed^	Mid
Maturity habit^	Spring
Sowing window^	Main
Novel herbicide tolerance^	None (conventional tolerance)
Head type^	Awned
Early growth habit^	Semi-prostrate
Plant height^	Very short
Coleoptile length^	Very long
Rachilla hair length^	Long
Lodging tolerance^	MT

Grain Quality

Quality classification	MALT
Screenings level^	Moderate
Retentions level^	Moderately high
Test weight^	Moderately high
Sprouting tolerance^o	MTMI
Black Point resistance*	MRMS

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.