

Yeti[®]



- The highest yielding variety in the northern region
- A vigorous plant type, similar to Compass^ϕ, but shorter
- Less susceptible to lodging than Compass^ϕ
- Excellent physical grain quality package
- Has entered the Barley Australia malt accreditation program but is currently deliverable as Barley/Feed

Breeder's comments

The outstanding yield performance of Yeti^ϕ (tested as AGTB0043) over all other barley varieties in the northern region is impossible to ignore and has been the driving force behind the decision to offer Yeti^ϕ to growers in the north.

Yielding almost 5% higher than RGT Planet^ϕ, 8% above Compass^ϕ and over 13% higher than widely grown Spartacus CL^ϕ, Yeti^ϕ sets a new yield benchmark across all northern growing regions, which will ultimately translate into higher profits for those that choose to grow Yeti^ϕ.

Yeti^ϕ was selected from advanced germplasm sourced from the University of Adelaide, and is closely related to Compass^ϕ. Yeti^ϕ shares the same strong grain quality characteristics with its parent, producing high test weights and excellent grain size. Yeti^ϕ has a shorter plant height than Compass^ϕ, offering improved standability.

Yeti^ϕ has been accepted into the Barley Australia malt accreditation program, with stage 1 malt evaluation commencing in 2021. Until the malt accreditation process is completed successfully, Yeti^ϕ is deliverable into the Barley/Feed grade.

Seed availability

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

Yeti^ϕ 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

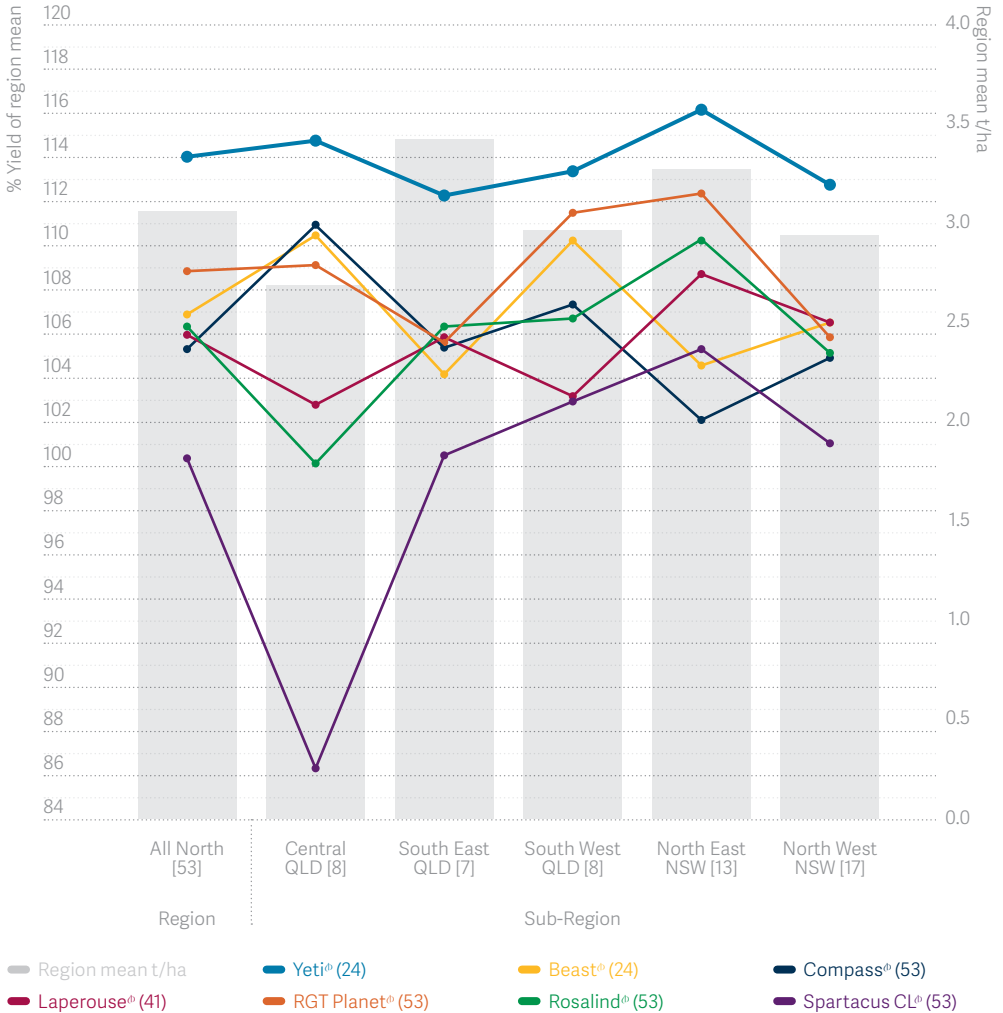
Yeti^ϕ is protected by Plant Breeders Rights (PBR) (denoted by the ^ϕ symbol) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Yeti^ϕ growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$4/tonne + GST has to be paid on all production other than seed saved for planting.



Grain yield

Yeti[®] has set a new yield benchmark for the northern region, out-yielding RGT Planet[®] by almost 5% and Spartacus CL[®] by over 13%. Added to that, Yeti[®] shows impressive yield stability across the northern region.

Figure 1 Grain yield of Yeti[®] versus comparators

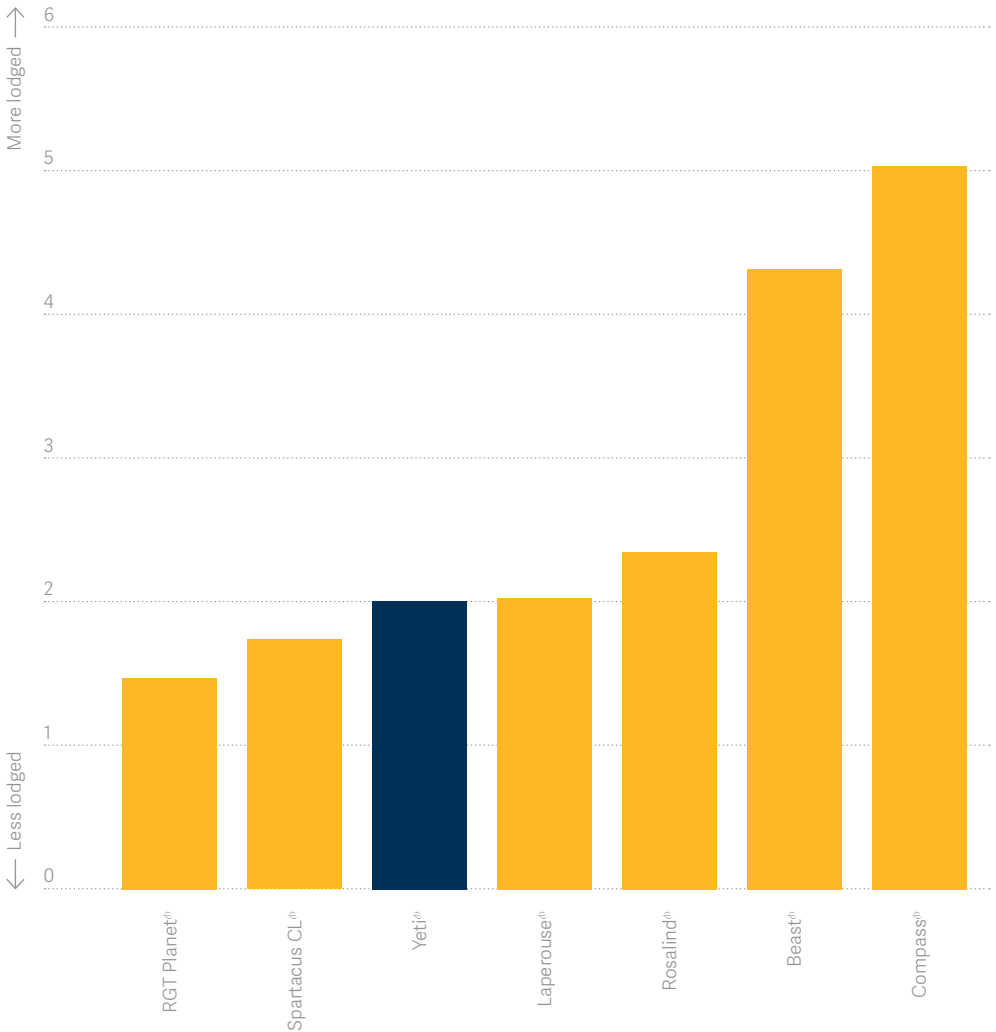


Source NVT long term MET analysis, barley main season trial series 2016-2020
 [] Total number of trials per region
 () Number of trials that each variety was present in across the northern NSW and QLD dataset [53]

Standability

Yeti[®] has a similar plant height to Spartacus CL[®] and RGT Planet[®] and has shown much lower levels of lodging than the taller variety Compass[®].

Figure 2 Standability of Yeti[®] versus comparator varieties



Source AGT assessment of NVT main season barley trials, 2019-2020
Scale 1 = Standing vertically, 9 = Fully lodged on the ground

Physical grain quality

Yeti[®] offers an excellent physical grain quality package, producing grain with comparable test weight and larger grain size than most commonly grown varieties.

Figure 3 Test weight of Yeti[®] versus comparators

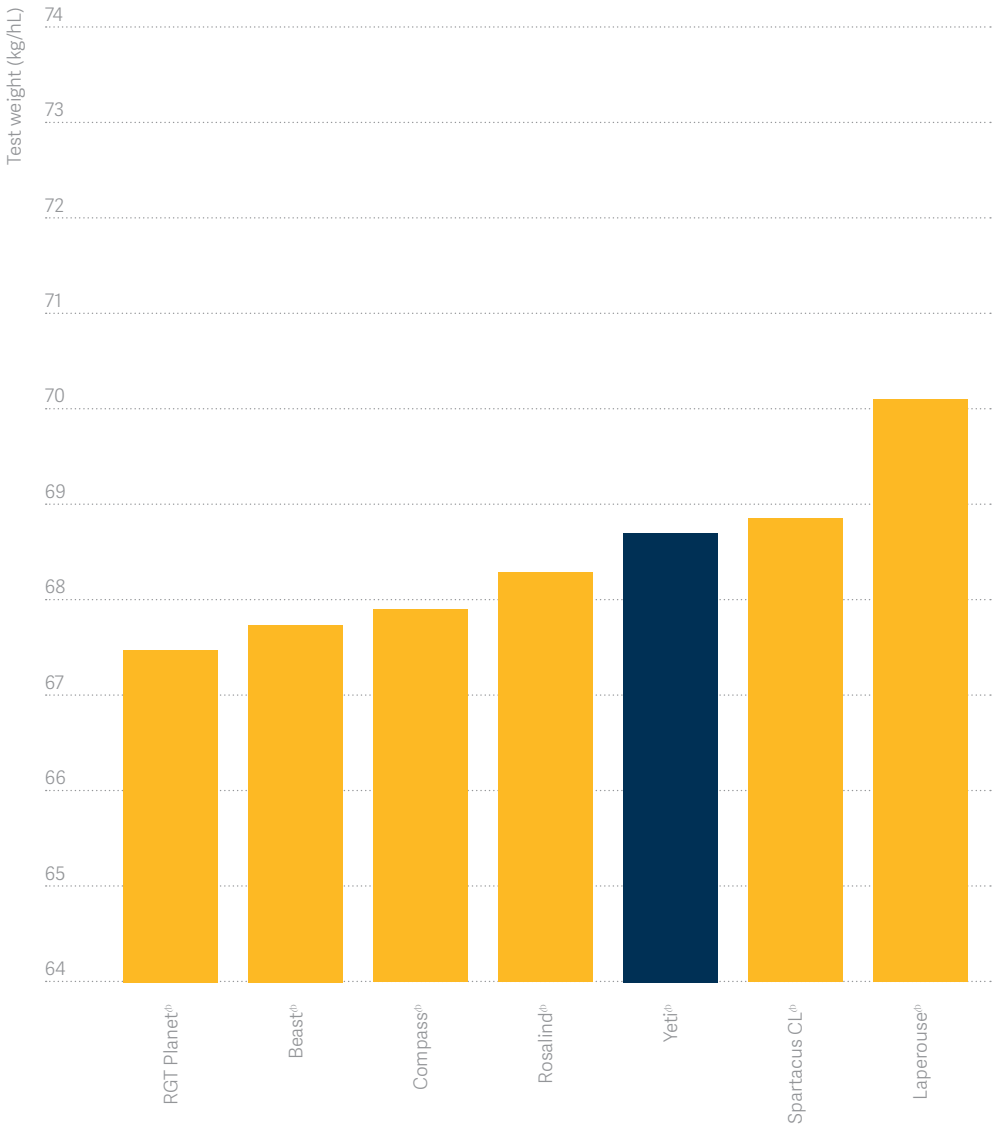


Figure 4 Screenings of Yeti[®] versus comparators

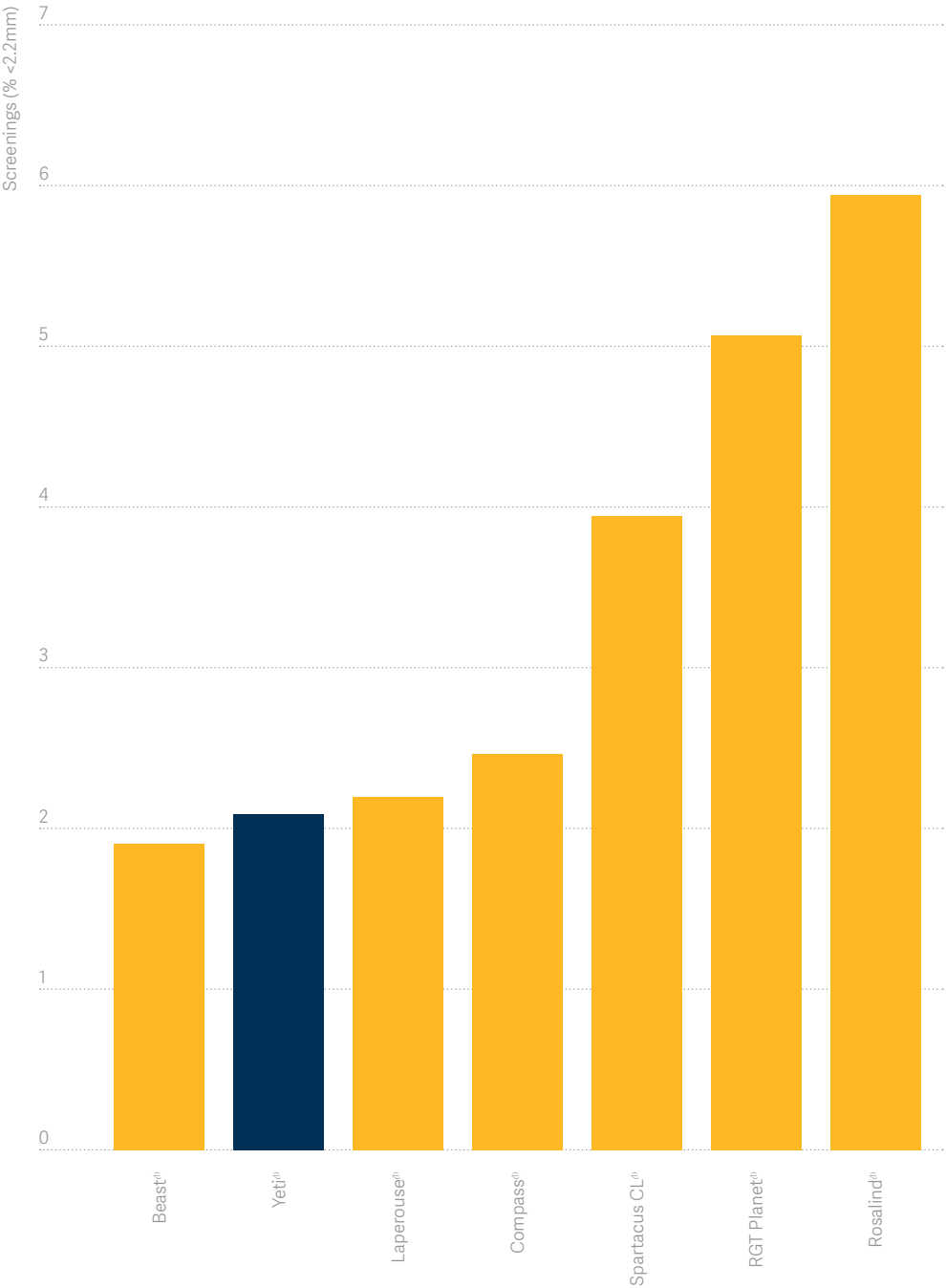
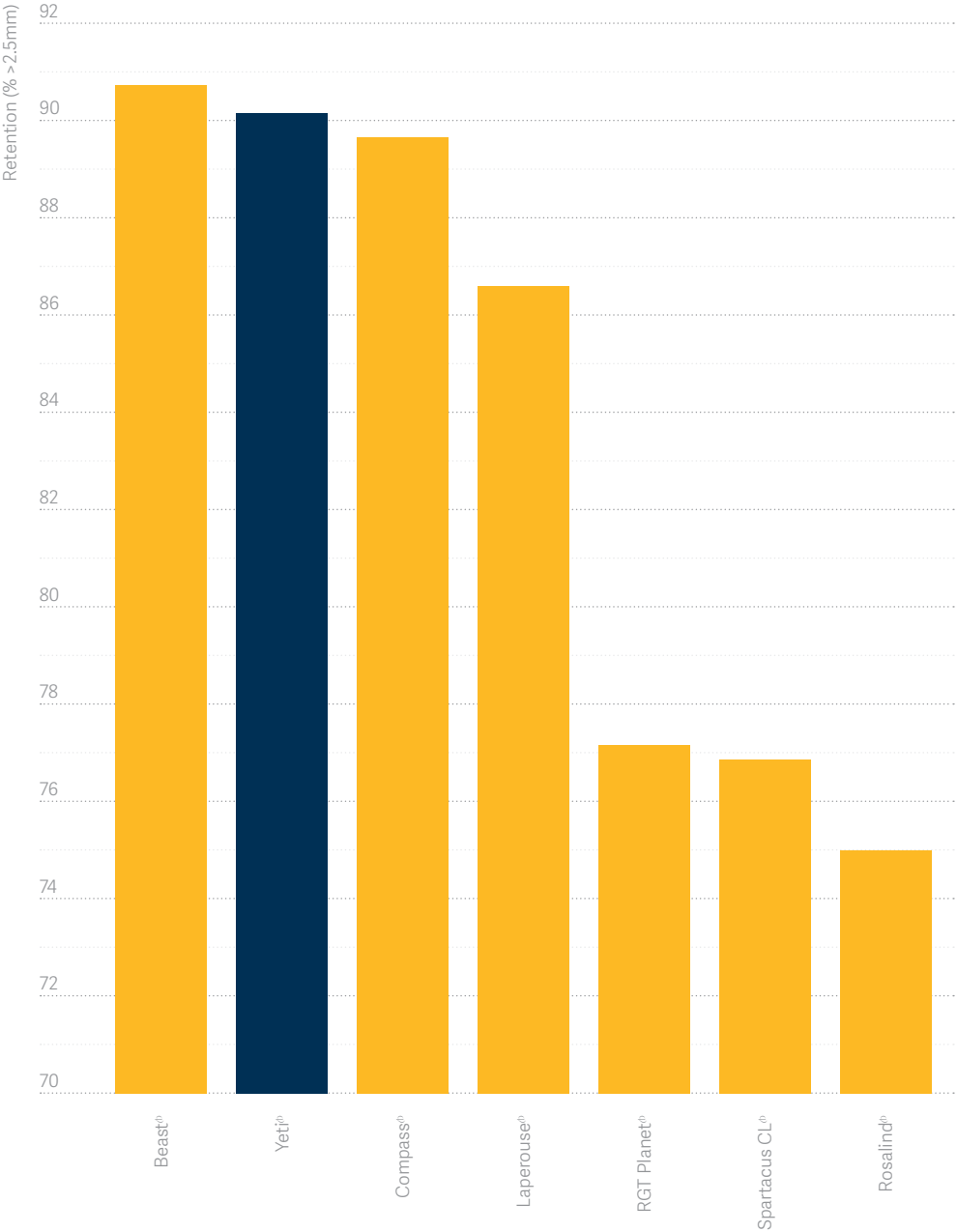


Figure 5 Retention of Yeti[®] versus comparators



Source (Figures 3,4,5) NVT main season trial series 2019-2020 (21 trials in northern NSW and QLD)

Disease resistance

Yeti[®] offers a higher level of spot form net blotch resistance over many commonly grown varieties.

Table 1 Variety comparisons

Variety	Scald	Leaf Rust	Spot Form Net Blotch	Net Form Net Blotch	Powdery Mildew	
Queensland	Yeti [®]	NA	SVS	MR	MS	MS
	Beast [®]	NA	S	MSS	MRMS-SVS	MSS
	Compass [®]	NA	VS	MS	MS	MS
	Laperouse [®]	NA	SVS	MR	MRMS	MS
	RGT Planet [®]	NA	MRMS	S	MRMS-SVS	RMR
	Rosalind [®]	NA	MR	MS	MRMS	MSS
	Spartacus CL [®]	NA	MSS	S	MS-SVS	MS
New South Wales	Yeti [®]	VS	S	MRMS	MR-S	MS
	Beast [®]	SVS	MS-S	MSS	MR-S	MSS
	Compass [®]	SVS	SVS	MS	MRMS	MS
	Laperouse [®]	VS	SVS	MRMS	MRMS-S	MS
	RGT Planet [®]	S	MR-MS	SVS	S	RMR
	Rosalind [®]	S	MRMS	MSS	MR	MSS
	Spartacus CL [®]	VS	MR-S	SVS	MR-S	MS

R Resistant
 MR Moderately Resistant
 MS Moderately Susceptible
 S Susceptible
 VS Very Susceptible
 NA Not Available

A range of reactions is provided (separated with -) where different strains of the pathogen exist and where the variety may respond differently to them



Douglas Lush, Marketing Manager; Northern NSW/QLD

0407 177 029

Paul Telfer, Barley Breeder

0418 805 297

Stewart Coventry, Barley Breeder

0409 283 062

End Point Royalty Office

(08) 7111 0201

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.