

AGT- Trigg[®]



- Exceptional yield performance in low-medium yield potential environments of WA
- Alternative to Calibre^Φ, LRPB Sonic^Φ, LRPB Vortex^Φ and Vixen^Φ
- AH quality classification with good grain size
- Calibre^Φ plant type, with improved test weight and straw strength
- Quick maturity, suits mid to late sowing and tougher seasons

Breeder's comments

Developed by our team at Northam, AGT-Trigg[®] arrives at a time when growers are seeking to minimise downside risk more than ever. Bred with WA conditions in mind, AGT-Trigg[®] offers reliability when the season gets tough, and the ability to capitalise in a good year. This well-rounded adaptability is a key aim of our breeding efforts, with AGT-Trigg[®] standing as a strong example.

AGT-Trigg[®] resembles its parent Calibre[®] in many ways; sharing similar plant type, maturity, disease resistance profile and adaptation. However, AGT-Trigg[®] offers an over-all improvement in yield, better lodging tolerance, and better test weight. Although AGT-Trigg[®]'s coleoptile length isn't as long as Calibre[®]'s, it is longer than many other comparators on the market.

AGT-Trigg[®] may also be compared to newer varieties LRPB Sonic[®] and LRPB Vortex[®]. All three varieties are high yielding, quicker maturing varieties, however, seem to show different adaptation patterns. Both LRPB Sonic[®] and LRPB Vortex[®] have yielded particularly well in higher yielding trials, while giving up the advantage to AGT-Trigg[®] in low-medium yielding environments. This difference in adaptation is particularly evident in the comparison between AGT-Trigg[®] and LRPB Sonic[®]; and while LRPB Vortex[®] seems to offer a more stable adaptation profile than LRPB Sonic[®], it holds an APW quality classification versus AH for AGT-Trigg[®].

With its strong combination of very high yield, AH quality with good grain size, and suitable disease resistance package, we see AGT-Trigg[®] being an easy choice for the majority of Western Australian wheat growers.

AGT-Trigg[®]

Table 1. Specifications

Background

Tested as	WAGT1385
Released	2026
EPR rate	\$4.00/tonne + GST

Disease

Stem Rust resistance*	MRMS (P)
Stripe Rust resistance*	RMR (P)
Leaf Rust resistance*	SVS (P)
Yellow Spot resistance*	MRMS (P)
Powdery Mildew resistance*	S (P)
Septoria Nodorum Blotch (Glume) resistance*	NA
Septoria Nodorum Blotch (Leaf) resistance*	NA

Plant Characteristics

Maturity speed^	Quick
Maturity habit^	Spring
Sowing window^	Main & Late
Novel herbicide tolerance^	None (conventional tolerance)
Head type^	Awned
Plant height^	Moderate
Coleoptile length^	Moderate
Lodging tolerance^	MTMI

Abiotic Stress

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

Grain Quality

Quality classification	AH
Grain colour	White
Screenings level^	Low
Test weight^	Moderate
Sprouting tolerance^o	MII
Black Point resistance*	NA

Legend

R	Resistant	VI	Very Intolerant	o	Rating based on Germination Index Values
MR	Moderately Resistant	(P)	Provisional rating		
MS	Moderately Susceptible	NA	Not Available	^	AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: https://bit.ly/Traits_2026
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 2026		
I	Intolerant				

Grain yield

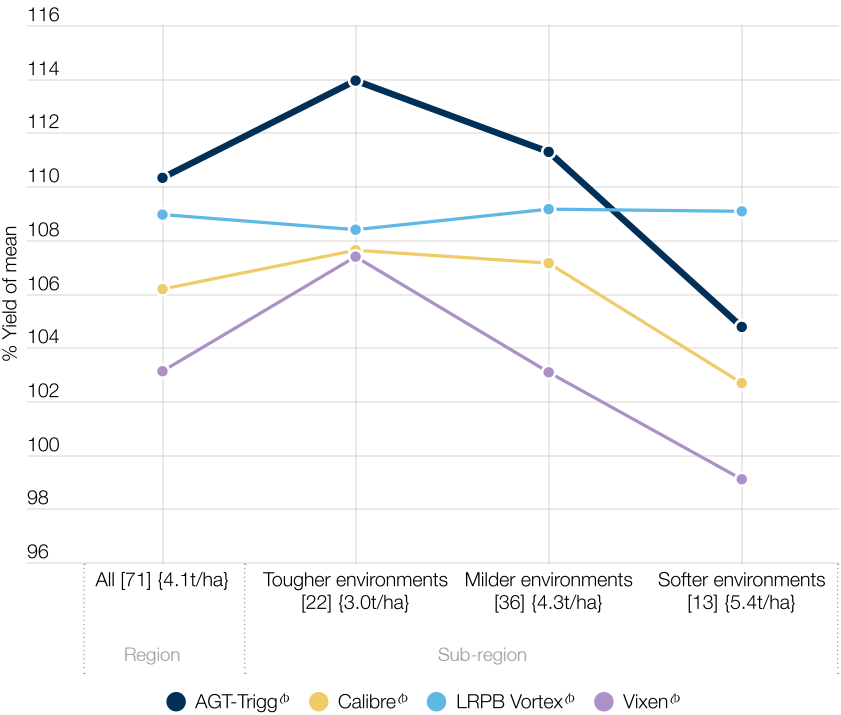
AGT-Trigg[®] has excelled in AGT trials, and therefore was ‘fast-tracked’ into the NVT system in 2025, with limited Agzones tested. Further testing will be conducted in 2026.

AGT (Figure 1) and NVT (Figures 2 & 3) has shown that AGT-Trigg[®] performs exceptionally well in WA, but particularly in low and medium yielding environments.

AGT-Trigg[®] can be viewed as the natural progression for those that have enjoyed growing Calibre[®] in the past, consistently recording around 4% higher yield.

AGT-Trigg[®] has recorded similar over-all yields to LRPB Vortex[®] and LRPB Sonic[®], however has displayed a very different adaptation pattern, with its best relative yields in low and medium yielding environments.

Figure 1. Grain yield of AGT-Trigg[®] versus comparators across WA - AGT data



Source: Best linear unbiased predictions from AGT long term MET analysis, main season trial series 2021-2025

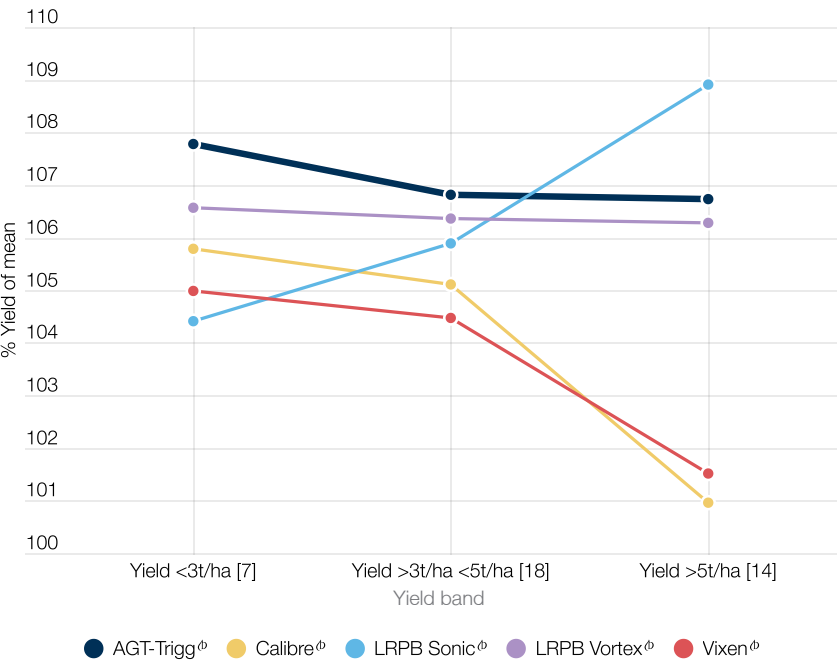
[] : Total number of trials per region

{ } : Region mean

Note: LRPB Vortex[®] was only present in one year of testing in this analysis

Grain yield

Figure 2. Grain yield of AGT-Trigg[®] versus comparators - yield bands - NVT data

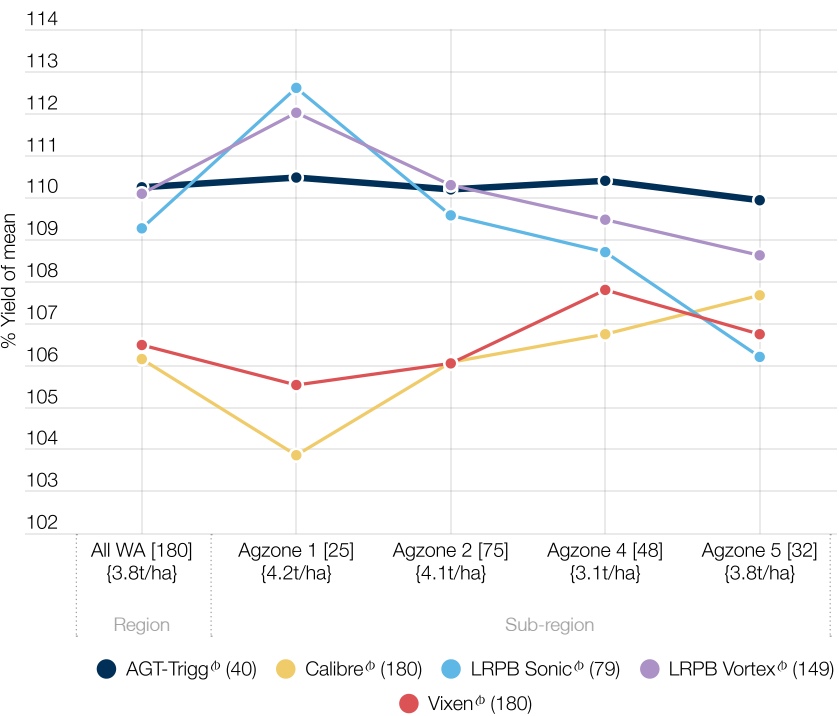


Source: NVT main season trial series 2025

[] : Total number of trials per yield band

Grain yield

Figure 3. Grain yield of AGT-Trigg[®] versus comparators across WA - NVT main season trials



Source: Best linear unbiased predictions from NVT long term MET analysis, main season trial series 2021-2025
[] : Total number of trials per region
() : Number of trials that each variety was present in across the dataset
{ } : Region mean
Note: AGT-Trigg[®] has not been tested in Agzones 3 & 6

Variety comparisons

AGT-Trigg[Ⓢ] offers improved test weight and lodging tolerance compared with Calibre[Ⓢ], and has an AH quality classification.

Table 2. Variety comparisons

		AGT-Trigg [Ⓢ]	Calibre [Ⓢ]	LRPB Sonic [Ⓢ]	LRPB Vortex [Ⓢ]	Vixen [Ⓢ]
Disease	Stem Rust resistance*	MRMS (P)	MRMS	MS	MRMS	MRMS
	Stripe Rust resistance*	RMR (P)	RMR	MRMS	RMR	MRMS
	Leaf Rust resistance*	SVS (P)	S	MRMS	SVS	SVS
	Yellow Spot resistance*	MRMS (P)	MRMS	MRMS	MRMS	MRMS
	Powdery Mildew resistance*	S (P)	MSS	MSS	MSS	SVS
	Septoria Nodorum Blotch (Glume) resistance*	NA	MSS	MSS	MSS	MSS
	Septoria Nodorum Blotch (Leaf) resistance*	NA	MS	MRMS	MRMS	MS
Plant Characteristics	Maturity speed^	Quick	Quick	Quick	Quick-mid	Very quick-quick
	Maturity habit^	Spring	Spring	Spring	Spring	Spring
	Sowing window^	Main & Late	Main & Late	Main & Late	Main & Late	Main & Late
	Novel herbicide tolerance^	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)
	Head type^	Awned	Awned	Awned	Awned	Awned
	Plant height^	Moderate	Moderate	NA	Moderately short	Short to moderately short
	Coleoptile length^	Moderate	Long	NA	NA	Short
	Lodging tolerance^	MTMI	MII	NA	MTMI	MTMI
Abiotic Stress	Boron tolerance^	Carries tolerance gene	Carries tolerance gene	NA	NA	Does not carry tolerance gene
	Acid/aluminium tolerance^	Carries tolerance gene	Carries tolerance gene	NA	NA	Carries tolerance gene
Grain Quality	Quality classification	AH	AH	AH	APW	AH (N)
	Grain colour	White	White	White	White	White
	Screenings level^	Low	Low	NA	Moderate	Low
	Test weight^	Moderate	Low	NA	High	Moderate
	Sprouting tolerance^Ⓢ	MII	MII	NA	NA	IVI
	Black Point resistance*	NA	MSS	S (P)	S	MSS



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.

Contact

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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.