

Calibre[®]



Variety snapshot

- High grain yield, similar to Scepter[®]
- APH quality classification in southern NSW
- Derived from popular variety Scepter[®]
- Quick maturity, quicker than Scepter[®]
- Very widely adapted, suited to most growing regions of southern NSW
- Good sprouting tolerance, similar to Scepter[®]
- Longer coleoptile than most commonly grown varieties
- Improved powdery mildew resistance over Scepter[®]

Breeder's comments

Calibre[®] is the first variety derived from Scepter[®] to hit the market, offering a number of important improvements over its parent.

Calibre[®] has an APH quality classification in southern NSW. This is an improvement over both its parent Scepter[®] and other AH main season benchmark Beekom[®], allowing growers of Calibre[®] to capitalise on high protein levels when the opportunity arises.

Calibre[®] also offers growers the opportunity to access longer coleoptile genetics in an elite yielding background. The coleoptile of a wheat variety is a factor that limits how deep you can plant. So, it's not surprising that there are many instances where a longer coleoptile is needed: when there is a chance of furrow fill by wind or rain; when chasing receding moisture profiles; or when trying to achieve adequate pre-emergent herbicide separation. Calibre[®] has a longer coleoptile which may offer benefits to growers in these situations.

Calibre[®] is slightly taller than Scepter[®], so growers may observe some leaning or lodging when Calibre[®] is grown in higher yielding situations.

The yellow leaf spot resistance of Calibre[®] is good, achieving a similar level of resistance to Scepter[®]. Calibre[®] also offers a valuable improvement in powdery mildew resistance over Scepter[®].

With high grain yield, improved coleoptile length, APH quality, very wide adaptation, and a disease resistance package similar to its parent Scepter[®], Calibre[®] makes an excellent replacement for Scepter[®].

Table 1. Specifications

Background

Tested as	RAC2721
Released	2021
EPR rate	\$3.50/tonne + GST

Disease

Stem Rust resistance*	MR
Stripe Rust resistance*	S
Leaf Rust resistance*	S
Yellow Leaf Spot resistance*	MRMS
Powdery Mildew resistance*	MSS
Septoria Tritici Blotch resistance*	S
CCN resistance*	MRMS
Pratylenchus Neglectus resistance*	S
Pratylenchus Neglectus tolerance*	MT
Pratylenchus Thornei resistance*	MSS
Pratylenchus Thornei tolerance*	MII
Crown Rot resistance*	S

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^	Long
Lodging tolerance^	MII

Abiotic Stress

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

Grain Quality

Quality classification	APH
Grain colour	White
Screenings level^	Low
Test weight^	Low
Sprouting tolerance^o	MII
Black Point resistance*	MSS

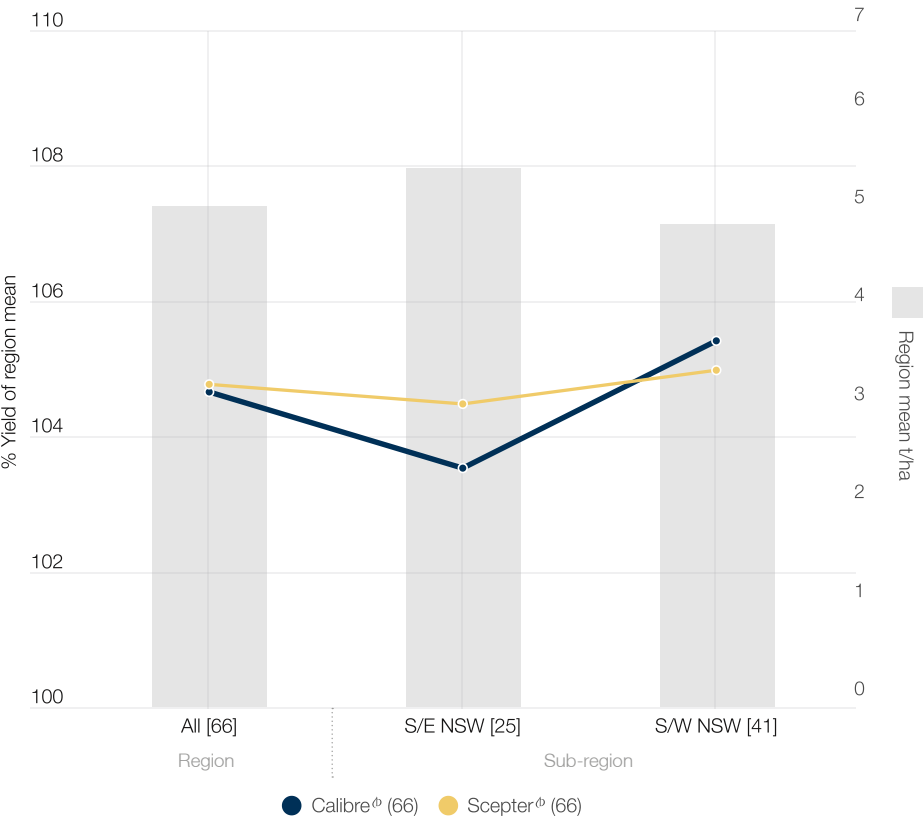
Legend

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/TraitRatings
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				

Grain yield

NVT long term data shows that Calibre[®] has yielded very similarly to Scepter[®] across southern NSW (Figure 1).

Figure 1. Predicted grain yield of Calibre[®] versus Scepter[®] across southern NSW



Source: NVT long term MET analysis, early sown trial series 2020-2024

[] : Total number of trials per region

() : Number of trials that each variety was present in across the dataset

Variety comparisons

Calibre[®] has a much longer coleoptile than many currently grown varieties, which may prove beneficial in some situations.

Calibre[®] offers improvements in stem rust and powdery mildew resistance over Scepter[®].

Table 2. Variety comparisons

		Calibre [®]	Scepter [®]
Disease	Stem Rust resistance*	MR	MRMS
	Stripe Rust resistance*	S	S
	Leaf Rust resistance*	S	MSS
	Yellow Leaf Spot resistance*	MRMS	MRMS
	Powdery Mildew resistance*	MSS	SVS
	Septoria Triticum Blotch resistance*	S	S
	CCN resistance*	MRMS	MRMS
	Pratylenchus Neglectus resistance*	S	S
	Pratylenchus Neglectus tolerance*	MT	MTMI
	Pratylenchus Thornei resistance*	MSS	MSS
	Pratylenchus Thornei tolerance*	MII	MT
	Crown Rot resistance*	S	MSS
Plant Characteristics	Maturity speed^	Quick	Mid
	Maturity habit^	Spring	Spring
	Sowing window^	Main & Late	Main & Late
	Novel herbicide tolerance^	None (conventional tolerance)	None (conventional tolerance)
	Head type^	Awned	Awned
	Plant height^	Moderate	Moderate
	Coleoptile length^	Long	Short
	Lodging tolerance^	MII	MI
Abiotic Stress	Boron tolerance^	Carries tolerance gene	Carries tolerance gene
	Acid/aluminium tolerance^	Carries tolerance gene	Carries tolerance gene
Grain Quality	Quality classification	APH	AH
	Grain colour	White	White
	Screenings level^	Low	Low
	Test weight^	Low	High
	Sprouting tolerance^°	MII	MII
	Black Point resistance*	MSS	MS



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.