

Avoca[®]



- Ideally suited to the high rainfall zones of Victoria
- Very slow maturity, over a week slower than Rockstar[®]
- AH quality classification in Vic/SA
- Very high top-end yield potential
- Relatively compact plant canopy
- Good physical grain quality characteristics
- Improved stripe rust resistance over Rockstar[®]
- Good powdery mildew resistance and useful level of septoria tritici blotch resistance

Breeder's comments

Avoca[®] has been released in recognition of the growing need for slower maturing milling wheat varieties suited to higher rainfall environments, offering growers in Victoria's western district and north-east, and SA's lower south-east more marketing flexibility at harvest, combined with highly competitive yields and a good disease resistance package.

Avoca[®] is a very slow maturing AH quality variety, reaching head emergence over a week later than Rockstar[®] and almost a week earlier than Stockade[®], and is well suited to high yield potential environments characterised by longer seasons. Both AGT and NVT data have shown that in early season trials, Avoca[®] has produced competitive yields relative to mid-slow maturing milling grade varieties like Rockstar[®] and Genie[®], whilst offering disease resistance advantages over these varieties (better powdery mildew and septoria tritici versus Genie[®], better stripe rust and powdery mildew over Rockstar). Generally, Avoca[®] has yielded less than the feed quality variety LRPB Beaufort[®], however if price premiums associated with milling grades are of interest then Avoca[®] is a great alternative.

Avoca[®] has a relatively compact plant canopy, which may be of value in high yield potential environments, where taller varieties can be more prone to lodging.

Table 1. Specifications

Background

Tested as	L14049-044
Released	2024
EPR rate	\$3.90/tonne + GST

Disease

Stem Rust resistance*	MRMS
Stripe Rust resistance*	MRMS
Leaf Rust resistance*	MSS
Yellow Leaf Spot resistance*	MSS
Powdery Mildew resistance*	MS
Septoria Tritici Blotch resistance*	MSS
CCN resistance*	S (P)
Pratylenchus Neglectus resistance*	R (P)
Pratylenchus Neglectus tolerance*	I (P)
Eyespot resistance*	S (P)
Crown Rot resistance*	MSS (P)

Plant Characteristics

Maturity speed^	Very slow
Maturity habit^	Spring
Sowing window^	Early
Novel herbicide tolerance^	None (conventional tolerance)
Head type^	Awned
Plant height^	Moderate
Coleoptile length^	Short
Lodging tolerance^	MT

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*	MRMS (P)

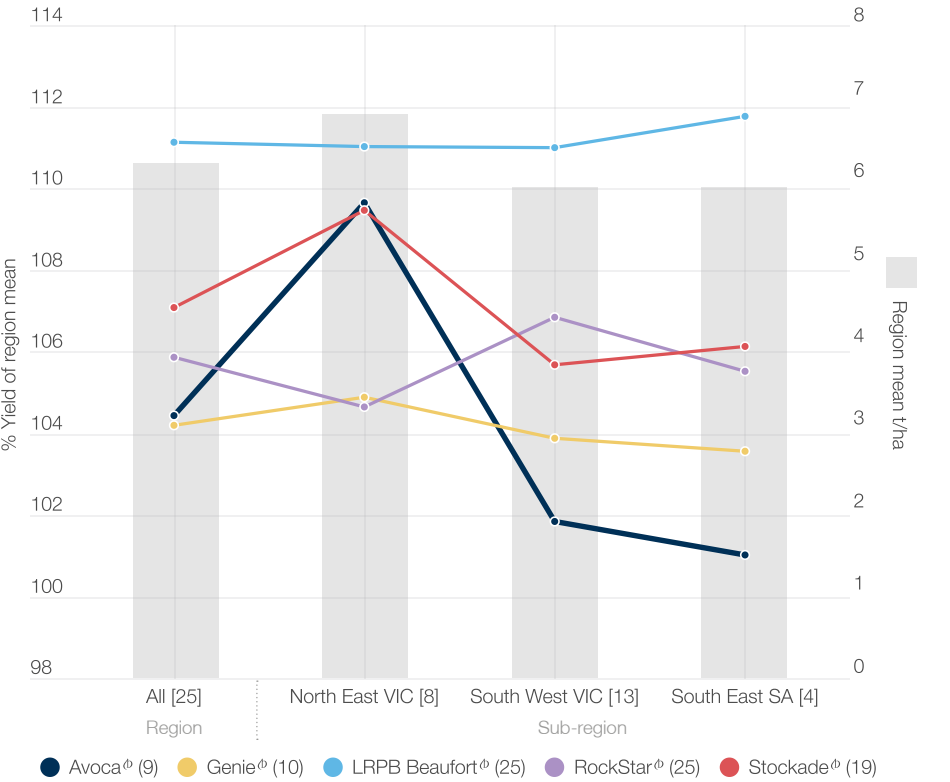
Legend

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				

Grain yield

Avoca[®] is better suited to high rainfall, high yield potential environments where its slower maturity can take advantage of extended growing conditions; and has performed particularly well in North East Victoria (Figure 1).

Figure 1. Predicted grain yield of Avoca[®] versus comparators across Vic/SA regions



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

Avoca[®] is a very slow maturing variety well suited to longer season environments and early planting opportunities. Avoca[®] reaches head emergence over a week later than Rockstar[®] and almost a week quicker than Stockade[®].

Avoca[®] has an AH quality classification in SA/Vic. Avoca's[®] test weight and screenings levels are comparable to Rockstar[®].

Avoca[®] offers an improvement in stripe rust resistance over popular variety Rockstar[®].

Table 2. Variety comparisons

		Avoca [®]	Genie [®]	LRPB Beaufort [®]	RockStar [®]	Stockade [®]
Disease	Stem Rust resistance*	MRMS	MRMS	SVS	MRMS	MS
	Stripe Rust resistance*	MRMS	MSS	RMR	S	MR
	Leaf Rust resistance*	MSS	S	MSS	S	MR
	Yellow Leaf Spot resistance*	MSS	MRMS (P)	MRMS	MRMS	MRMS
	Powdery Mildew resistance*	MS	SVS	R (P)	SVS	NA
	Septoria Tritici Blotch resistance*	MSS	S	S	S	MS
	CCN resistance*	S (P)	MSS (P)	NA	NA	NA
	Pratylenchus Neglectus resistance*	R (P)	MS (P)	MS	MRMS	S
	Pratylenchus Neglectus tolerance*	I (P)	IVI (P)	MI	I	MT
	Eyespot resistance*	S (P)	S (P)	NA	S	MSS (P)
	Crown Rot resistance*	MSS (P)	MS (P)	S	S	S
Plant Characteristics	Maturity speed^	Very slow	Mid-slow	Very slow	Mid-slow	Very slow
	Maturity habit^	Spring	Spring	Spring	Spring	Spring
	Sowing window^	Early	Early	Early	Early & Main	Early
	Novel herbicide tolerance^	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)
	Head type^	Awned	Awned	Awnless	Awned	Awned
	Plant height^	Moderate	NA	NA	Moderately short	Short
	Coleoptile length^	Short	NA	NA	Short	NA
Abiotic Stress	Lodging tolerance^	MT	NA	NA	MTMI	MT
	Boron tolerance^	Carries tolerance gene	NA	NA	Does not carry tolerance gene	Carries tolerance gene
	Acid/aluminium tolerance^	Carries tolerance gene	NA	NA	Carries tolerance gene	Does not carry tolerance gene
Grain Quality	Quality classification	AH	AH	FEED	AH	APW
	Grain colour	White	White	Red	White	White
	Screenings level^	Low	NA	NA	Low	Low
	Test weight^	Moderate	NA	NA	Moderate	High
	Sprouting tolerance^o	MII	NA	NA	I	MII
	Black Point resistance*	MRMS (P)	MS	MRMS	MSS	MRMS



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

Brad Koster, Variety Support Manager SA:	0400 812 475
Rob Harris, Variety Support Manager Vic:	0429 576 044
AGT End Point Royalty team:	(08) 7111 0201
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.