Sunmaster

- Elite grain yield
- APH quality classification
- Mid season maturity
- Shorter plant type, with good lodging tolerance
- Low screenings losses with high test weight
- Useful resistance to crown rot

Breeder's comments

For many years now, Suntop$^{\Phi}$ has been one of the most popular APH varieties in the main sowing window across NSW. Since the release of Suntop$^{\Phi}$, we have been focussing much of our efforts into breeding a Suntop$^{\Phi}$ replacement that delivers even more benefits to growers. These efforts are now making their way into the paddocks of Australian farmers, as we apply new breeding methods to combine elite grain yield with APH quality and the disease resistance needed in southern NSW.

The yield performance of Sunmaster$^{\Phi}$ is its most significant attribute, and it shares many similarities with its primary parent Suntop$^{\Phi}$, with an APH quality classification, wide adaptation and mid-season maturity. Growers that are familiar with the maturity of Suntop$^{\Phi}$ should feel comfortable in planting Sunmaster$^{\Phi}$ in the same window.

Sunmaster$^{\Phi}$ has demonstrated consistently lower levels of screenings compared to its parent Suntop$^{\Phi}$, during years of vastly different seasonal conditions.

Sunmaster

Table 1. Specifications

Background

Tested as	SUN972P
Released	2020
EPR rate	$3.60/tonne + GST

Disease

Stem Rust resistance*	MS
Stripe Rust resistance*	MRMS
Leaf Rust resistance*	RMR
Yellow Leaf Spot resistance*	MSS
Powdery Mildew resistance*	S
Septoria Tritici Blotch resistance*	S
CCN resistance*	MSS
Pratylenchus Neglectus resistance*	MRMS
Pratylenchus Neglectus tolerance*	MTMI
Pratylenchus Thornei resistance*	MS
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
Plant height^	Moderate
Coleoptile length^	Moderate
Lodging tolerance^	MTMI

Abiotic Stress

Boron tolerance^	Does not carry tolerance gene
Acid/aluminium tolerance^	Does not carry tolerance gene

Grain Quality

Quality classification	APH
Grain colour	White
Screenings level^	Low
Test weight^	Very high
Sprouting tolerance^°	I
Black Point resistance*	MR

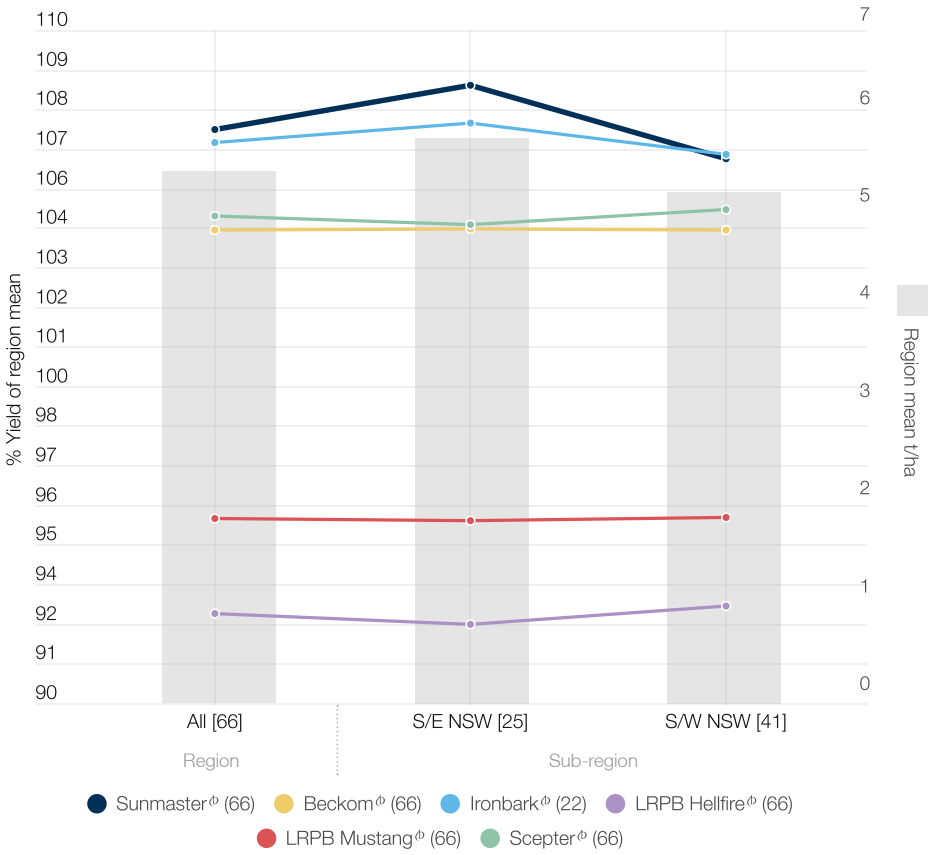
Legend

R	Resistant
MR	Moderately Resistant
MS	Moderately Susceptible
S	Susceptible
VS	Very Susceptible
T	Tolerant
MT	Moderately Tolerant
MI	Moderately Intolerant
I	Intolerant
VI	Very Intolerant
(P)	Provisional rating
NA	Not Available
/	Pathotype differences
-	Range
,	Mixed phenotype
#	May be more susceptible to alternate pathotypes
*	NVT consensus ratings 2025
°	Rating based on Germination Index Values
^	AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: https://bit.ly/TraitRatings

Grain yield

Sunmaster$^{\Phi}$ offers elite levels of grain yield when compared with other main season sowing varieties grown in southern NSW (Figure 1).

Figure 1. Predicted grain yield of Sunmaster$^{\Phi}$ versus comparators across southern NSW



Source: NVT long term MET analysis, main season trial series 2020-2024

[ ] : Total number of trials per region

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

Variety comparisons

Sunmaster(P) has an APH quality classification in southern NSW, and produces grain with very high test weight and low screenings levels.

Sunmaster(P) has an excellent disease resistance profile, including good resistance to stripe rust, leaf rust and crown rot. Sunmaster(P) also offers excellent black point resistance which is an important genetic trait when targeting higher grain quality grades.

Table 2. Variety comparisons

		Sunmaster(P)	Beckom(P)	Ironbark(P)	LRPB Hellfire(P)	LRPB Mustang(P)	Scepter(P)
Disease	Stem Rust resistance*	MS	MRMS	MS	MR	MRMS	MRMS
	Stripe Rust resistance*	MRMS	MRMS	MR	MRMS	MRMS	S
	Leaf Rust resistance*	RMR	MSS	MRMS	MSS	MSS	MSS
	Yellow Leaf Spot resistance*	MSS	MSS	MSS	MSS	MSS	MRMS
	Powdery Mildew resistance*	S	S	S	S	MRMS	SVS
	Septoria Tritici Blotch resistance*	S	S	S	S	S	S
	CCN resistance*	MSS	R	MS (P)	MS	MR	MRMS
	Pratylenchus Neglectus resistance*	MRMS	S	S	MSS	S	S
	Pratylenchus Neglectus tolerance*	MTMI	MTMI	IVI (P)	MTMI	MI	MTMI
	Pratylenchus Thornei resistance*	MS	MSS	MR (P)	MSS	MSS	MSS
	Pratylenchus Thornei tolerance*	TMT	TMT	MTMI (P)	MI	MTMI	MT
	Crown Rot resistance*	MSS	S	MSS (P)	MSS	MSS	MSS
Plant Characteristics	Maturity speed^	Mid	Quick-mid	Mid	Quick	Quick	Mid
	Maturity habit^	Spring	Spring	Spring	Spring	Spring	Spring
	Sowing window^	Main	Main	Main	Main & late	Main & late	Main & late
	Novel herbicide tolerance^	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)
	Head type^	Awned	Awned	Awned	Awned	Awned	Awned
	Plant height^	Moderate	Short to moderately short	Moderately short	Moderate	NA	Moderate
	Coleoptile length^	Moderate	Short	Short	Moderate	NA	Short
	Lodging tolerance^	MTMI	MI	MI	MI	NA	MI
Abiotic Stress	Boron tolerance^	Does not carry tolerance gene	Carries tolerance gene	Carries tolerance gene	Does not carry tolerance gene	NA	Carries tolerance gene
	Acid/aluminium tolerance^	Does not carry tolerance gene	Carries tolerance gene	Carries tolerance gene	Carries tolerance gene	NA	Carries tolerance gene
Grain Quality	Quality classification	APH	AH	AH	APH	APH	AH
	Grain colour	White	White	White	White	White	White
	Screenings level^	Low	Moderate	Low	Low	NA	Low
	Test weight^	Very high	Moderate	High	High	NA	High
	Sprouting tolerance^o	I	MII	MII	I	NA	MII
	Black Point resistance*	MR	MRMS	NA	S	MS	MS

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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 Φ 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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