

# Sunmaster<sup>®</sup>



- Outstanding grain yield, 6-9% higher than Suntop<sup>Φ</sup>
- APH quality classification
- Similar maturity & planting window as Suntop<sup>Φ</sup>
- Shorter plant type than Suntop<sup>Φ</sup>, with good lodging tolerance
- Good tolerance to crown rot and RLN (*P. thornei*)

## Breeder's comments

For many years now, Suntop<sup>®</sup> has been one of the most popular APH varieties in the main planting window across NSW and Queensland. Since the release of Suntop<sup>®</sup>, we have been focussing much of our efforts into breeding a Suntop<sup>®</sup> replacement that delivers even more benefits to growers.

Sunmaster<sup>®</sup> (tested as SUN972P) is being released on the back of outstanding results in AGT yield trials, which has seen Sunmaster<sup>®</sup> eclipse Suntop's<sup>®</sup> yield by 6-9% across NSW and Queensland. This step change in yield alone should translate to significantly higher profits to those growers who choose Sunmaster<sup>®</sup>.

Sunmaster<sup>®</sup> shares many similarities with its primary parent Suntop<sup>®</sup>, with an APH quality classification, wide adaptation and mid season maturity. Growers that are familiar with the maturity of Suntop<sup>®</sup> should feel comfortable in planting Sunmaster<sup>®</sup> in the same window.

We are excited to release Sunmaster<sup>®</sup> to growers as a genuine Suntop<sup>®</sup> replacement and as a higher yielding alternative to other popular APH wheats including LRPB Reliant<sup>®</sup>.

## Seed availability

Commercial quantities of Sunmaster<sup>®</sup> may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Sunmaster<sup>®</sup> 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

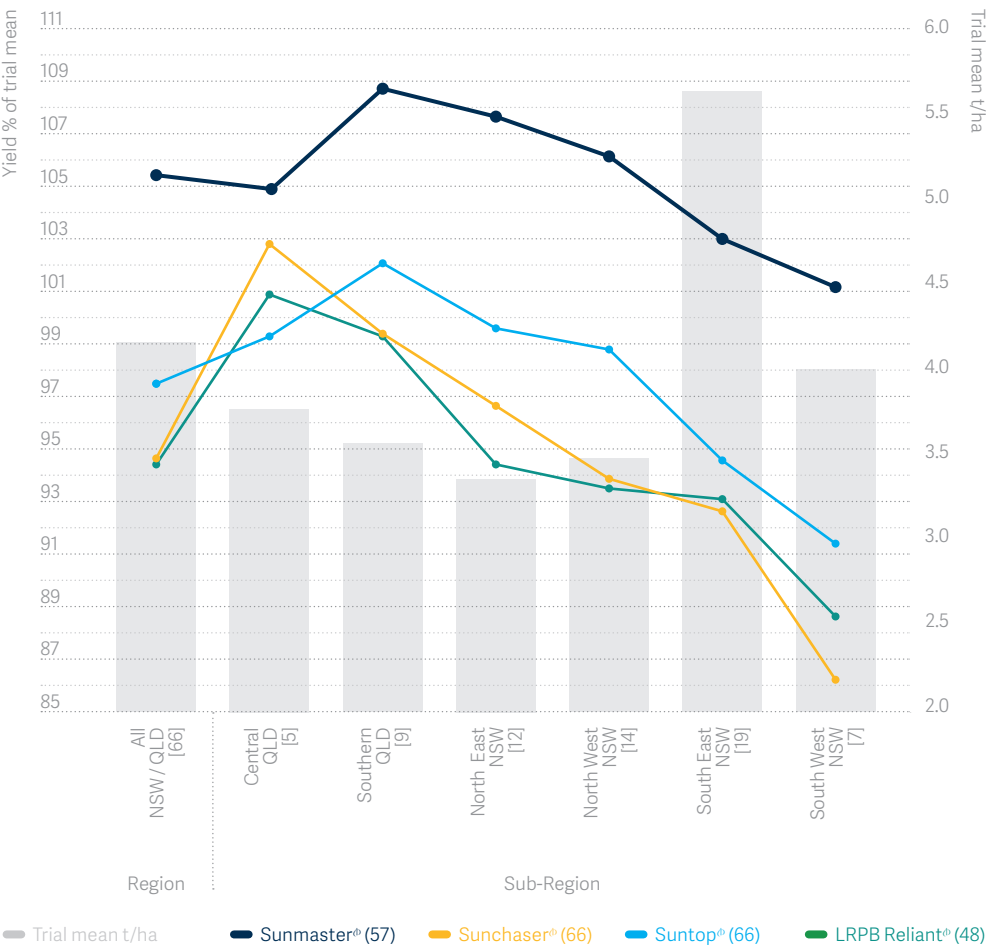
Sunmaster<sup>®</sup> is protected by Plant Breeders Rights (PBR) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Sunmaster<sup>®</sup> growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$3.60/tonne + GST has to be paid on all production other than seed saved for planting.



Grain yield

Sunmaster<sup>®</sup> has shown an average yield advantage of 8% over Suntop<sup>®</sup> across all regions in AGT main season trials, with a range of 6-9%, depending on the region. Due to limited seed, Sunmaster<sup>®</sup> was not included in all 2019 NVT trials, but a comprehensive assessment of Sunmaster's<sup>®</sup> yield performance in NVT will be available following the 2020 season.

Figure 1 Grain yield of Sunmaster<sup>®</sup> and APH comparators across NSW & QLD – AGT trials

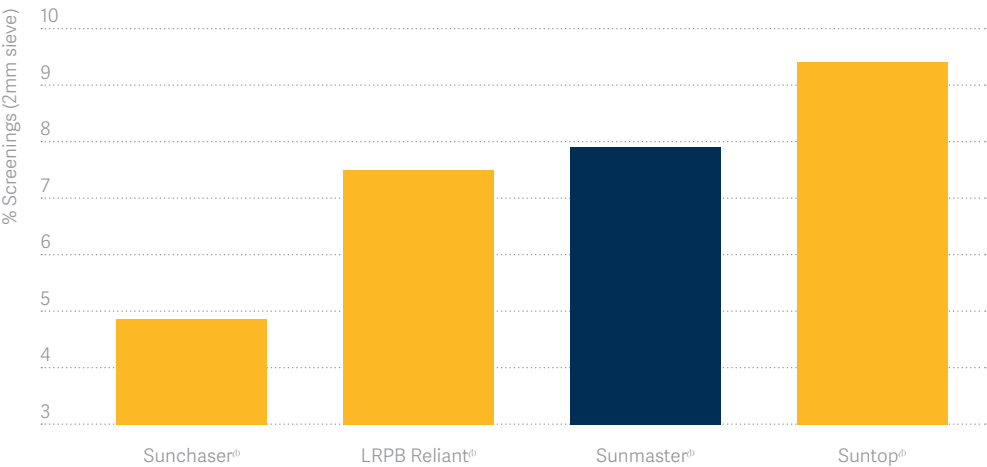


Source AGT long term MET analysis main season trial series 2016-2019  
[ ] Total number of trials per region  
( ) Number of trials that each variety was present in across the NSW/QLD dataset [66]

## Physical grain quality

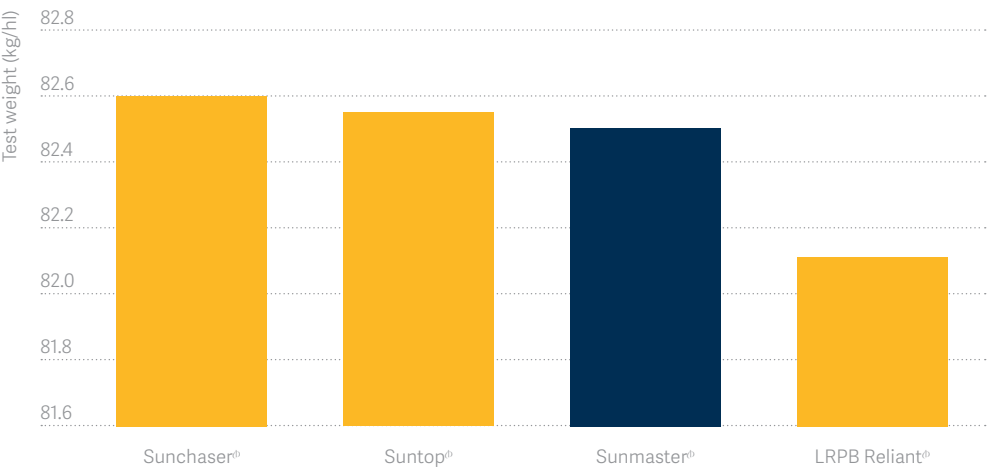
Throughout the challenging seasons of 2018 and 2019, Sunmaster<sup>®</sup> has demonstrated slightly lower levels of screenings (Figure 2) and similar test weight (Figure 3) to Suntop<sup>®</sup>.

Figure 2 Screenings of Sunmaster<sup>®</sup> and comparators



Source AGT main season trials (17 trials in NSW/QLD, 2018-2019)

Figure 3 Test weight of Sunmaster<sup>®</sup> and comparators

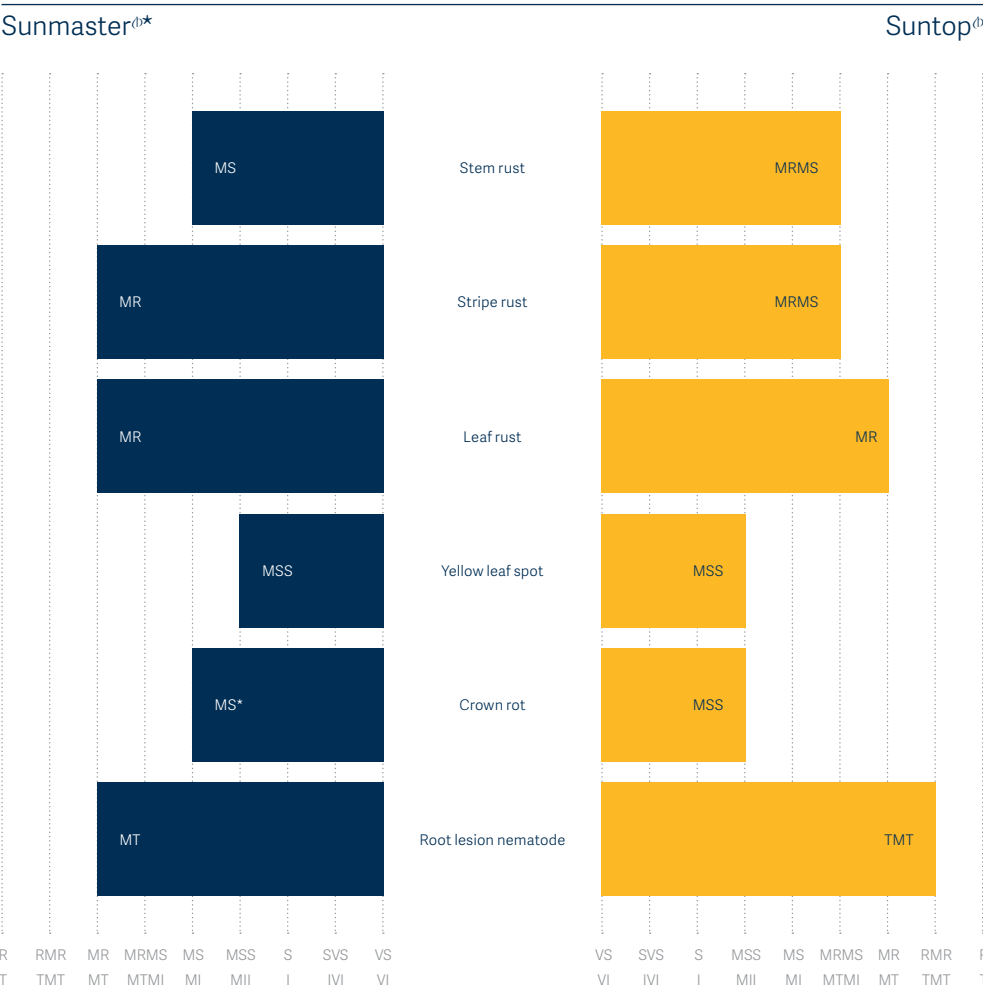


Source AGT main season trials (17 trials in NSW/QLD, 2018-2019)

Disease resistance & agronomics

Sunmaster<sup>®</sup> has an excellent disease resistance profile, including strong resistance to stripe and leaf rust and good tolerance to crown rot and root lesion nematodes (*P. thornei*). With a medium plant height, it has been observed that Sunmaster<sup>®</sup> has better lodging tolerance than LRPB Reliant<sup>®</sup>, similar to Suntop<sup>®</sup>.

Figure 4      Disease resistance ratings for Sunmaster<sup>®</sup> versus Suntop<sup>®</sup>



\* Provisional Ratings

**Table 1**      *Disease ratings of Sunmaster<sup>®</sup> and comparators*

	Sunmaster <sup>®</sup> *	Suntop <sup>®</sup>	Sunchaser <sup>®</sup>	LRPB Reliant <sup>®</sup>
Quality classification – Northern Zone	APH	APH	APH	APH
Quality classification – South Eastern Zone	APH	APH	APH	AH
Stem rust	MS	MRMS	MR	R
Stripe rust	MR	MRMS	MR	MR
Leaf rust	MR	MR	R	RMR
Yellow leaf spot	MSS	MSS	MS	S
Crown rot	MS	MSS	MSS*	MS
RLN ( <i>P. thornei</i> )	MT	TMT	TMT	TMT
Septoria <i>tritici</i> blotch	S	MSS	MSS	S
Black point	MS	MSS	MS	MS
Plant height	Medium	Tall	Medium	Medium

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

\* Provisional ratings



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*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.*