

Wheat

Variety fact sheet - Northern NSW & Queensland

Suncentral[®]



- An ideal variety for central Queensland
- Exceptional yield performance
- Quick-mid maturity, suitable for main season plantings
- APH quality classification
- Very good tolerance to RLN (*P. thornei*)
- Small improvement in grain size over Suntop[Ⓛ]

Breeder's comments

Growers in central Queensland (CQ) know that their environment is unique and requires varieties designed to meet their specific needs. Our breeding programme at Narrabri aims to breed improved varieties for all northern regions, and developing exceptional varieties for CQ has been a high priority for many years now.

We believe that Suncentral[®] (tested as SUN972V) is a stand-out performer across the northern region, but particularly in CQ where it offers significantly higher yields than other APH quality varieties in the same planting window.

Suncentral[®] is a quick-mid maturing variety, comparable in maturity to LRPB Spitfire[®], and four days quicker than Suntop[®]. This makes Suncentral[®] an ideal variety for CQ, and later planting situations throughout all of the northern region.

While a significant portion of CQ's grain production is sold to the feed industry, there is still a big advantage to having a variety with an APH quality classification, giving growers access to APH wheat export markets.

We expect Suncentral[®] to establish itself as the new wheat variety benchmark for CQ due to its maturity, exceptionally high yield, APH quality classification, and an excellent disease resistance package.

Seed availability

Commercial quantities of Suncentral[®] may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Suncentral[®] 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

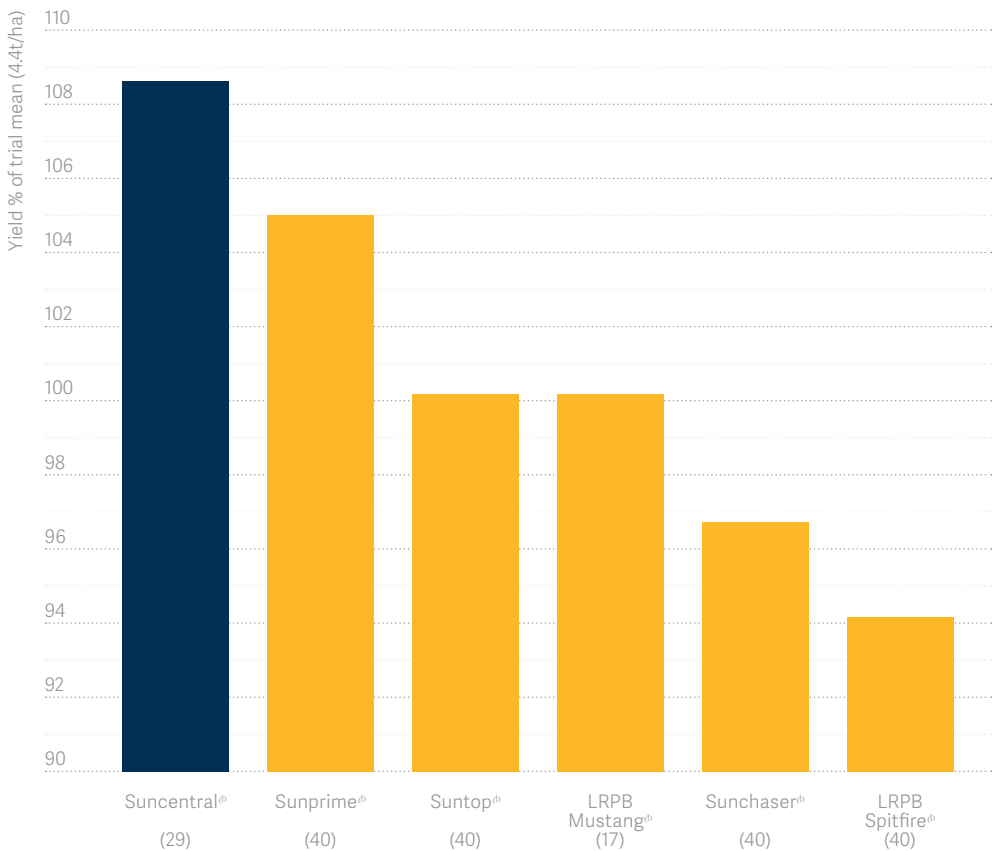
Suncentral[®] is protected by Plant Breeders Rights (PBR) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Suncentral[®] growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$3.60/tonne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



Grain yield

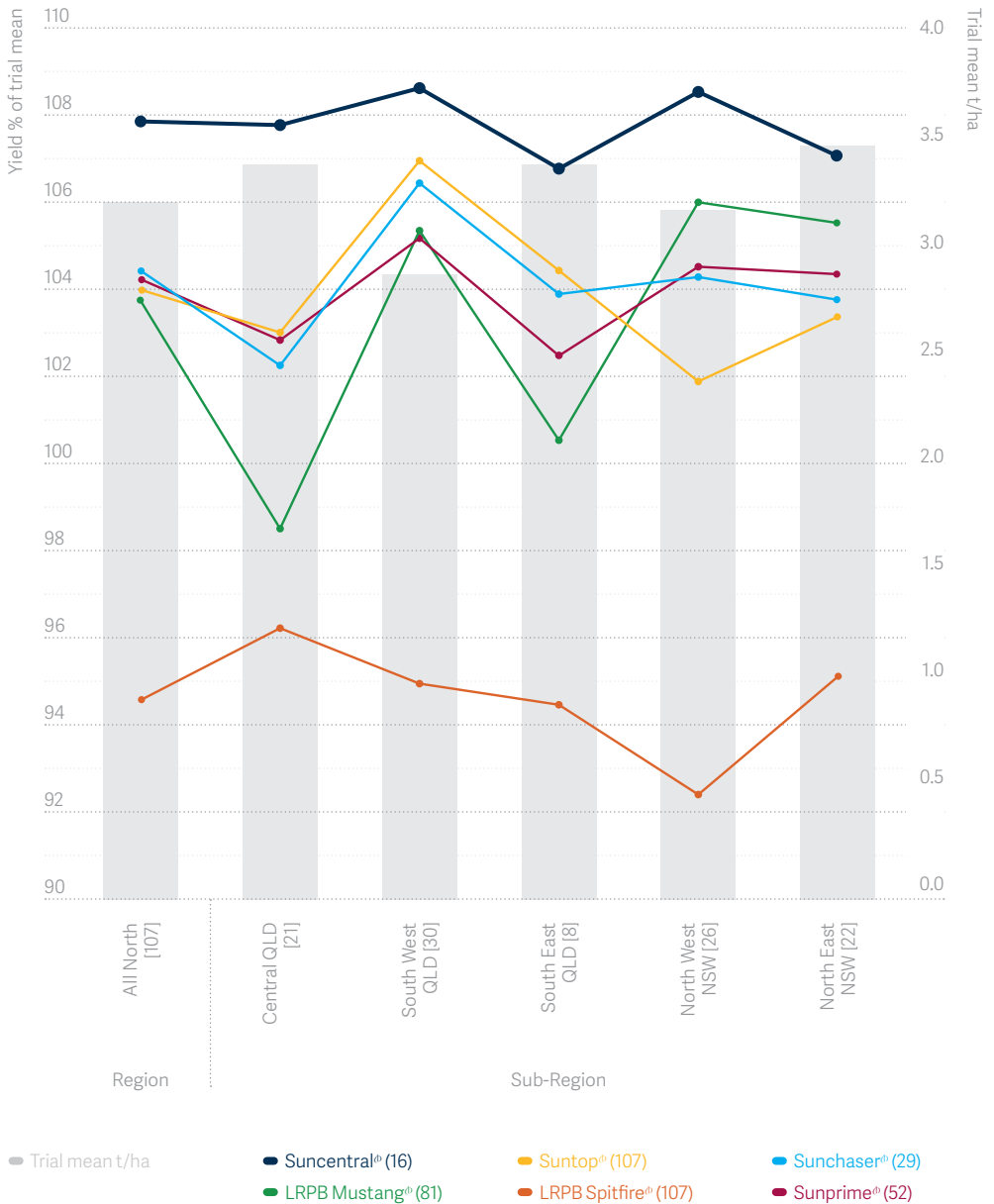
Suncentral[®] has been consistently higher yielding than other quick and quick-mid maturing APH quality varieties in both AGT trials (Figure 1) and NVT trials (Figure 2) throughout NSW and Queensland, and has particularly shown higher yields relative to comparators in central QLD.

Figure 1 Grain yield of Suncentral[®] and APH comparators across northern NSW & QLD – AGT trials



Source AGT long term MET analysis, main season trial series 2016-2019 [40 trials across northern NSW/QLD]
() Number of trials that each variety was present in across the dataset

Figure 2 Grain yield of Suncentral[®] versus APH comparators across northern NSW/QLD regions – NVT trials

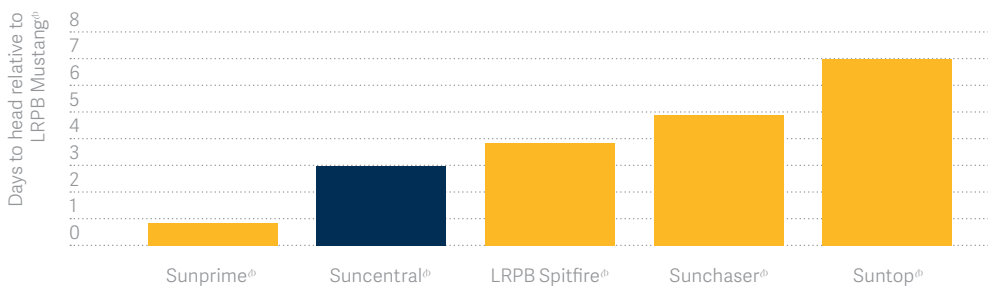


Source NVT long term MET analysis, main season trial series 2015-2019
 [] Total number of trials per region
 () Number of trials that each variety was present in across the QLD/northern NSW dataset [107]

Maturity & sowing window

Suncentral[®] is generally less than one day quicker to heading than LRPB Spitfire[®] and four days quicker than Suntop[®] in the northern region. We feel that the maturity of Suncentral[®] is ideal for the shorter growing seasons experienced in central Queensland.

Figure 3 *Head emergence of Suncentral[®] and comparator varieties relative to LRPB Mustang[®], when sown in AGT trials*

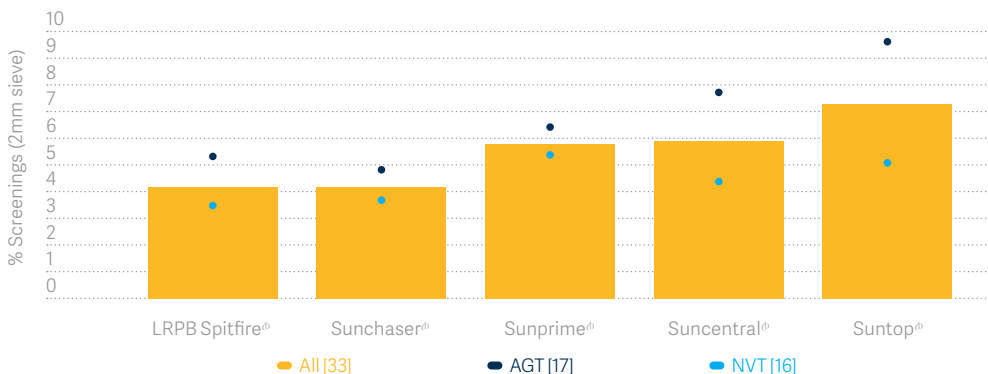


Source AGT main season trial series 2018-2019 (average of 8 trials in northern NSW/QLD)

Physical grain quality

Throughout the challenging seasons of 2018 and 2019, Suncentral[®] has demonstrated slightly lower levels of screenings (Figure 4) than Suntop[®].

Figure 4 *Screenings of Suncentral[®] and comparators.*



Source AGT main season trials (17 trials in NSW/QLD, 2018-2019) & NVT main season trial series (16 trials in nNSW/QLD, 2019)

Disease resistance & agronomics

Suncentral[®] has a very similar disease resistance package as its parent Suntop[®], with improvements in stripe rust, yellow leaf spot and crown rot resistance.

Table 1 Disease ratings for Suncentral[®] and comparators

	Suncentral [®] *	Suntop [®]	Sunchaser [®]	LRPB Mustang [®]	LRPB Spitfire [®]	Sunprime [®]
Quality classification	APH	APH	APH	APH	APH	APH
Stem rust	MR(MS)	MRMS	MR	MRMS	MR	MRMS
Stripe rust	MR	MRMS	MR	RMR	MR	RMR
Leaf rust	MR	MR	R	MSS	MSS	MR/S
Yellow leaf spot	MS	MSS	MS	MSS	S	MSS
Crown rot	MS	MSS	MSS*	MSS*	MS	MSS
RLN (<i>P. thornei</i>)	TMT	TMT	TMT	MTMI	MTMI	MTMI
Black point	MSS	MSS	MS	MS	S	MS
Plant height	Tall	Tall	Medium	Medium	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

Leaf rust / = different susceptibility to a rarer pathotype



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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.