

Suncentral[®]



- An ideal variety for those requiring a quicker maturity
- Exceptional yield performance
- High yield in the presence of crown rot
- Quick-mid maturity, suitable for main season or delayed plantings
- APH quality classification
- 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 program 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^ϕ is a stand-out performer across the northern region, and particularly in CQ where it offers significantly higher yields than other APH quality varieties in the same planting window.

Suncentral^ϕ is a quick-mid maturing variety, comparable in maturity to LRPB Hellfire^ϕ, and three days quicker than Suntop^ϕ. This is an ideal maturity group for CQ and later planting situations throughout 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^ϕ 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^ϕ may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Suncentral^ϕ can be traded between growers upon the completion of a License Agreement as part of AGT's Seed Sharing™ initiative.

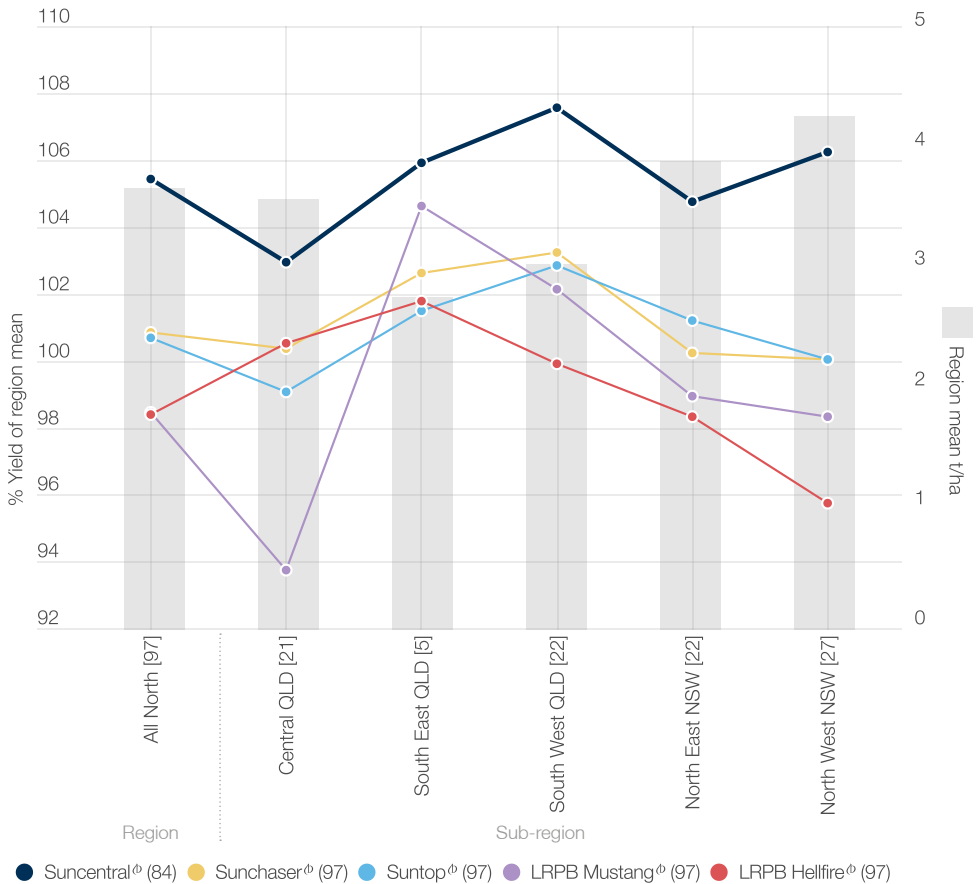
PBR and EPR

Suncentral^ϕ is protected by Plant Breeders Rights (PBR) (denoted by the ^ϕ symbol) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Suncentral^ϕ growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$3.60/tonne + GST must 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 NVT trials (Figure 1) throughout northern NSW and Queensland and has shown higher yields relative to comparators in short season environments or crown rot inoculated trials (Figure 2).

Figure 1. Predicted grain yield of Suncentral[®] versus APH comparators



Source: NVT long term MET analysis, main season trial series 2018-2022

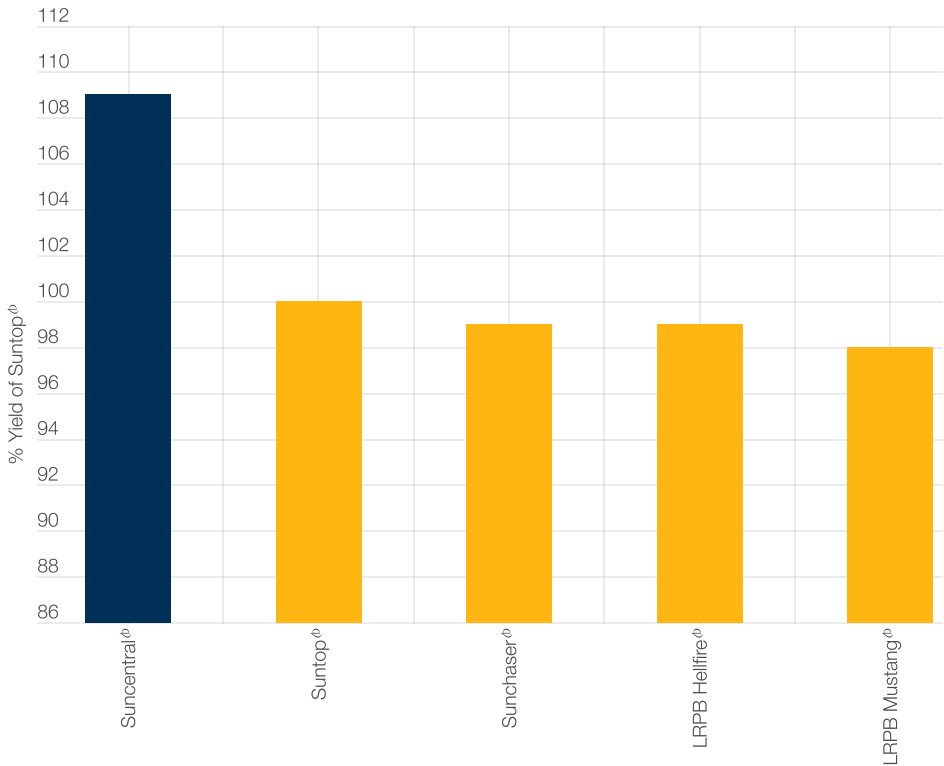
[] Total number of trials per region

() Number of trials that each variety was present in across the northern NSW and QLD dataset [97]

Grain yield in the presence of crown rot

Suncentral[®] has performed exceptionally well in AGT crown rot evaluation trials. NVT disease ratings provide an evaluation of the resistance of varieties to crown rot (measured as brown staining at the base of the stem). In contrast, AGT have conducted a series of yield evaluation trials to determine the ability of varieties to achieve high grain yields in the presence of crown rot (tolerance to crown rot infection), by inoculating trials at planting. Yield data for varieties from these experiments is expressed as a percentage of Suntop[®] (a variety established as having good tolerance to crown rot).

Figure 2. Grain yield of Suncentral[®] versus comparators in crown rot inoculated trials

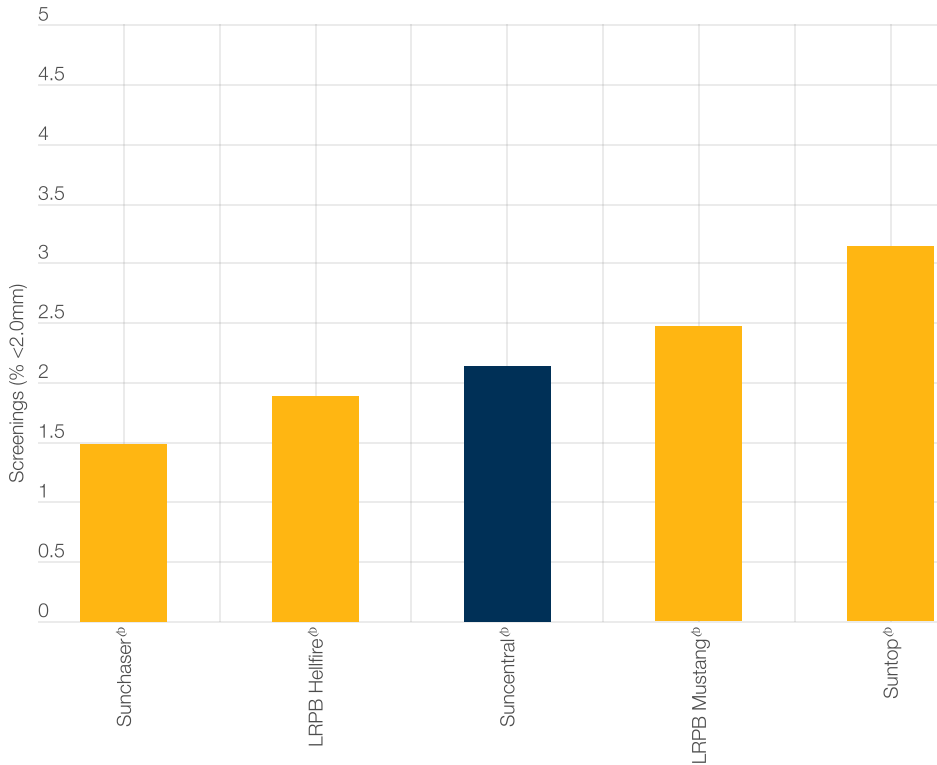


Source: AGT crown rot performance MET analysis, main season trial series 2017-2021

Physical grain quality

Across a range of seasons, Suncentral[®] has demonstrated lower levels of screenings than Suntop[®] (Figure 3).

Figure 3. Screenings of Suncentral[®] versus comparators



Source: NVT main season trial series 2019-2022, northern NSW/QLD, 76 sites.

Disease resistance & agronomics

Suncentral[®] has a very similar disease resistance package as its parent Suntop[®].

Table 1. Variety comparisons

	Suncentral [®]	Suntop [®]	Sunchaser [®]	LRPB Hellfire [®]	LRPB Mustang [®]
Quality Classification	APH	APH	APH	APH	APH
Stem Rust	MRMS	MRMS	MR	MR	MRMS
Stripe Rust	MSS	MRMS	RMR	MRMS	MR
Leaf Rust	RMR	MR	R	MSS	MSS
Yellow Leaf Spot	MSS	MSS	MS	MSS	MSS
Crown Rot	MSS	MSS	MSS	MSS	MSS
Black Point	MRMS	MSS	MRMS	S	MS
Septoria <i>Triticum</i> Blotch resistance	S	MSS	MSS	S	S
RLN (<i>P. thornei</i>) resistance	MRMS	MRMS	MSS	MSS	MSS
RLN (<i>P. thornei</i>) tolerance	MT	TMT	MT	MI	MTMI
Plant Height	Tall	Tall	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
 Source: NVT consensus ratings
 2022 and AGT



Douglas Lush, Variety Support Manager, Northern NSW/QLD: 0407 177 029

Meiqin Lu, Wheat Breeder: 0428 856 612

End Point Royalty Office: (08) 7111 0201

agtbreeding.com.au

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.