Variety snapshot

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 (1)  
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

![Head emergence of Suncentral and comparator varieties](source)

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.

![Screenings of Suncentral and comparators](source)

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**

<table>
<thead>
<tr>
<th></th>
<th>Suncentral®</th>
<th>Suntop®</th>
<th>Sunchaser®</th>
<th>LRBP Mustang®</th>
<th>LRBP Spitfire®</th>
<th>Sunprime®</th>
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<tbody>
<tr>
<td>Quality classification</td>
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<tr>
<td>Stem rust</td>
<td>MR(MS)</td>
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<tr>
<td>Stripe rust</td>
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<td>MRMS</td>
<td>MR</td>
<td>RMR</td>
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<td>RMR</td>
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<tr>
<td>Leaf rust</td>
<td>MR</td>
<td>MR</td>
<td>R</td>
<td>MSS</td>
<td>MSS</td>
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<tr>
<td>Yellow leaf spot</td>
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<td>MSS</td>
<td>MS</td>
<td>MSS</td>
<td>S</td>
<td>MSS</td>
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<tr>
<td>Crown rot</td>
<td>MS</td>
<td>MSS</td>
<td>MSS*</td>
<td>MSS*</td>
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<tr>
<td>RLN (P. thornei)</td>
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<td>TMT</td>
<td>MTMI</td>
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<tr>
<td>Black point</td>
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<td>S</td>
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<td>Plant height</td>
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</tr>
</tbody>
</table>

R Resistant  T Tolerant  * Provisional ratings
MR Moderately Resistant  MT Moderately Tolerant  Leaf rust / = different susceptibility to a rarer pathotype
MS Moderately Susceptible  MI Moderately Intolerant
S Susceptible  I Intolerant
VS Very Susceptible  VI Very Intolerant

Source: NSW DPI Winter Crop Variety Sowing Guide 2020, NVT and AGT data
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.