

# Sunmaster<sup>®</sup>



## Variety snapshot

- Elite grain yield
- APH quality classification
- Mid season maturity
- Good lodging tolerance
- Low screenings losses with very high test weight
- Useful resistance to crown rot

## Breeder's comments

For many years, Suntop<sup>®</sup> was one of the most popular APH varieties in the main sowing window across NSW. 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. 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<sup>®</sup> is its most significant attribute, and it 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.

Sunmaster<sup>®</sup> has demonstrated consistently lower levels of screenings compared to its parent Suntop<sup>®</sup>, during years of vastly different seasonal conditions.

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 <sup>^</sup>            | Mid                           |
| Maturity habit <sup>^</sup>            | Spring                        |
| Sowing window <sup>^</sup>             | Main                          |
| Novel herbicide tolerance <sup>^</sup> | None (conventional tolerance) |
| Head type <sup>^</sup>                 | Awned                         |
| Plant height <sup>^</sup>              | Moderate                      |
| Coleoptile length <sup>^</sup>         | Moderate                      |
| Lodging tolerance <sup>^</sup>         | MTMI                          |

## Abiotic Stress

|                                       |                               |
|---------------------------------------|-------------------------------|
| Boron tolerance <sup>^</sup>          | Does not carry tolerance gene |
| Acid/aluminium tolerance <sup>^</sup> | Does not carry tolerance gene |

## Grain Quality

|                                   |           |
|-----------------------------------|-----------|
| Quality classification            | APH       |
| Grain colour                      | White     |
| Screenings level <sup>^</sup>     | Low       |
| Test weight <sup>^</sup>          | Very high |
| Sprouting tolerance <sup>^o</sup> | I         |
| Black Point resistance*           | MR        |

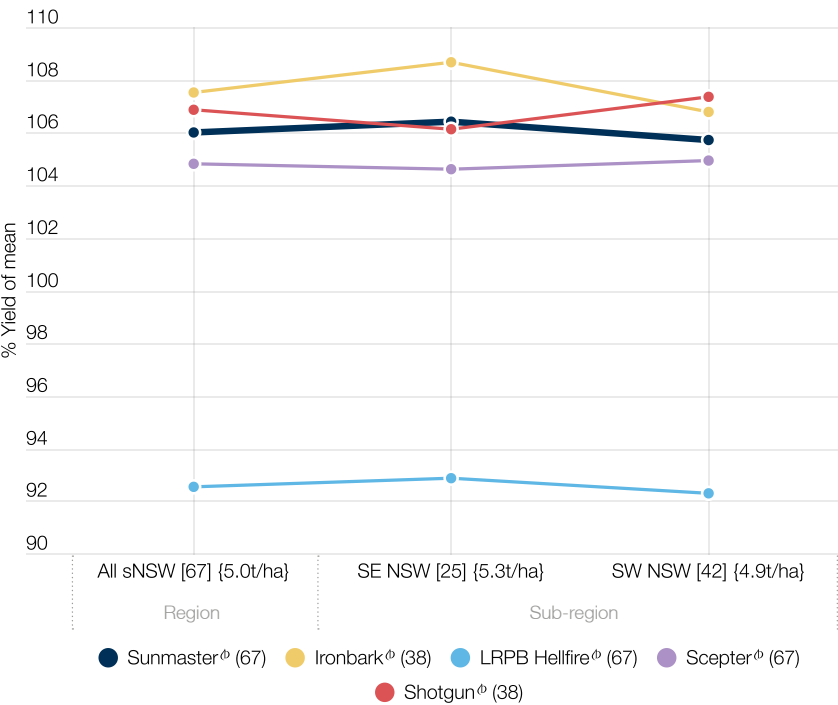
## Legend

|    |                        |     |                                                 |   |                                                                                                                                                                          |
|----|------------------------|-----|-------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| R  | Resistant              | VI  | Very Intolerant                                 | o | Rating based on Germination Index Values                                                                                                                                 |
| MR | Moderately Resistant   | (P) | Provisional rating                              |   |                                                                                                                                                                          |
| MS | Moderately Susceptible | NA  | Not Available                                   | ^ | AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: <a href="https://bit.ly/Traits_2026">https://bit.ly/Traits_2026</a> |
| S  | Susceptible            | /   | Pathotype differences                           |   |                                                                                                                                                                          |
| VS | Very Susceptible       | -   | Range                                           |   |                                                                                                                                                                          |
| T  | Tolerant               | ,   | Mixed phenotype                                 |   |                                                                                                                                                                          |
| MT | Moderately Tolerant    | #   | May be more susceptible to alternate pathotypes |   |                                                                                                                                                                          |
| MI | Moderately Intolerant  | *   | NVT consensus ratings 2026                      |   |                                                                                                                                                                          |
| I  | Intolerant             |     |                                                 |   |                                                                                                                                                                          |

# Grain yield

Sunmaster<sup>®</sup> has produced very high levels of grain yield when compared with other main season sowing varieties grown in southern NSW (Figure 1), yielding similarly to the leading AH varieties, and beating fellow APH variety LRPB Hellfire<sup>®</sup> by a huge 15%.

Figure 1. Grain yield of Sunmaster<sup>®</sup> versus comparators across southern NSW - NVT main season trials



Source: Best linear unbiased predictions from NVT long term MET analysis, main season trial series 2021-2025  
[ ] : Total number of trials per region  
( ) : Number of trials that each variety was present in across the dataset  
{ } : Region mean

## Variety comparisons

Sunmaster<sup>®</sup> has an APH quality classification in southern NSW, and produces grain with very high test weight and low screenings levels.

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

Table 2. Variety comparisons

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



### *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](http://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](http://www.agtbreeding.com.au/seedsharing))

### *PBR and EPR*

Varieties denoted by the <sup>®</sup> 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.

### *Contact*

Darcey Boucher-Hill, Variety Support Manager, southern NSW: 0418 394 808

AGT End Point Royalty team: (08) 7111 0201

[agtbreeding.com.au](http://agtbreeding.com.au)

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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. Wherever possible, independent NVT data has been used in this publication. In the absense of NVT data, AGT data has been provided.