

# Sunblade CL Plus<sup>®</sup>



- Australia's first and only APH quality Clearfield® variety
- Elite grain yield
- Tolerant to Clearfield® Intervix® herbicide
- Derived from Suntop<sup>Ⓢ</sup>, with similar maturity
- Good levels of RLN (*P. thornei*) tolerance
- Alternative to Elmore CL Plus<sup>Ⓢ</sup> wheat, or Clearfield® barley varieties
- Excellent plant-back option for managing imidazolinone residues

## Breeder's comments

Sunblade CL Plus<sup>ϕ</sup> offers a significant step forward in Clearfield<sup>®</sup> Intervix<sup>®</sup> tolerant wheat varieties, being the first to have an APH quality classification. Not only that, Sunblade CL Plus<sup>ϕ</sup> offers a big yield advantage over many commonly grown varieties. In the main season NVT long term MET analysis, Sunblade CL Plus<sup>ϕ</sup> is the third highest yielding APH variety, behind Sunmaster<sup>ϕ</sup> and Calibre<sup>ϕ</sup>, in a combined analysis of NSW and Queensland.

There has been considerable adoption of Clearfield<sup>®</sup> technology across various crop types for the control of a broad range of weeds, but until now, growers in NSW and Queensland have only had limited options of suitable Clearfield<sup>®</sup> wheat varieties. Elmore CL Plus<sup>ϕ</sup> has been the most widely grown Clearfield<sup>®</sup> wheat in NSW and Queensland but comes with a yield penalty and an AH quality classification.

Sunblade CL Plus<sup>ϕ</sup> displays a significant yield advantage over both its major parent Suntop<sup>ϕ</sup> and Elmore CL Plus<sup>ϕ</sup>, while the maturity of Sunblade CL Plus<sup>ϕ</sup> is very similar to Suntop<sup>ϕ</sup>. In general, Sunblade CL Plus<sup>ϕ</sup> is ideally suited to planting opportunities from the second week of May onwards.

Sunblade CL Plus<sup>ϕ</sup> is slightly shorter in plant height compared to Suntop<sup>ϕ</sup> with similar lodging resistance whilst displaying similar or slightly smaller grain size.

Many growers have already adopted Sunblade CL Plus<sup>ϕ</sup> as their main season variety of choice, as it has proven to be very widely adapted throughout all wheat growing regions of NSW and Queensland. A combination of very high yield, APH classification, sound disease resistance and tolerance in a wheat variety with Clearfield<sup>®</sup> technology is a very attractive option.

## Seed availability

Commercial quantities of Sunblade CL Plus<sup>ϕ</sup> may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Seed of Sunblade CL Plus<sup>ϕ</sup> cannot be legally traded between growers. The sale or trade of seed of Sunblade CL Plus<sup>ϕ</sup> 'farmer to farmer' is an infringement of Australian Law under the Plant Breeders Rights ACT of 1994.

## PBR and EPR

Sunblade CL Plus<sup>ϕ</sup> is protected by Plant Breeders Rights (PBR) (denoted by the <sup>ϕ</sup> symbol) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Sunblade CL Plus<sup>ϕ</sup> growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$4.35/tonne\* + GST must be paid on all production other than seed saved for planting. (\*\$3.80/tonne AGT breeder royalty, \$0.55/tonne BASF technical fee).

## Clearfield® system

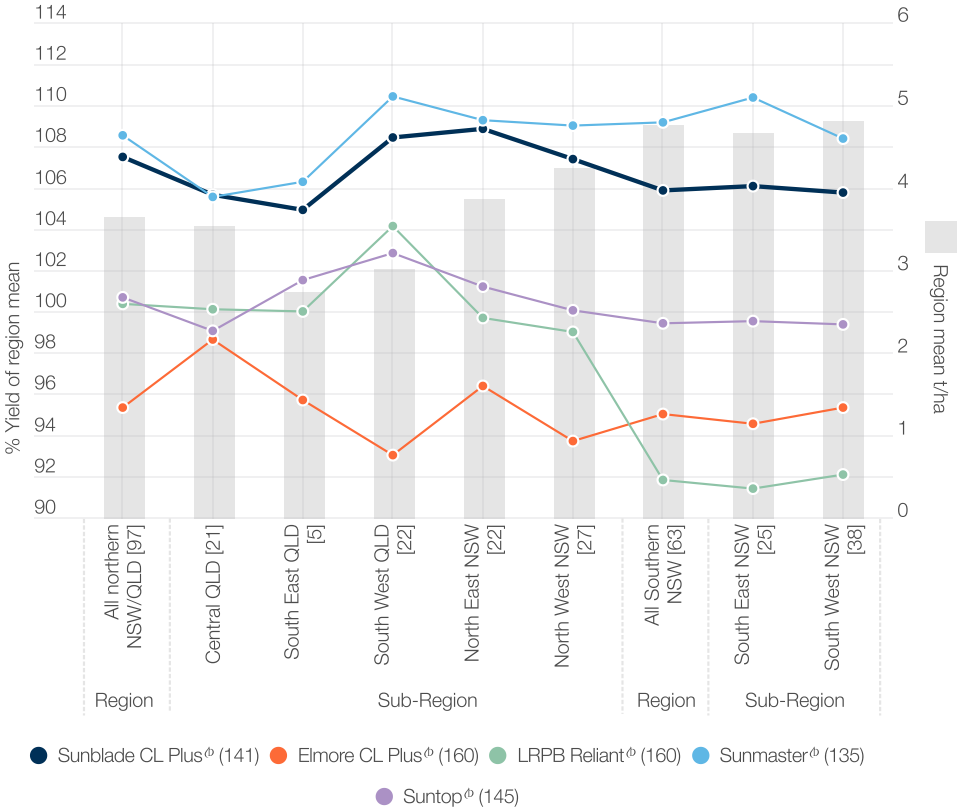
Sunblade CL Plus<sup>®</sup> has been specifically developed to carry two genes for tolerance to Clearfield® Intervix® herbicide. Intervix® is a member of the imidazolinone chemical family with Group B mode of action, offering one-pass post-emergent knockdown and residual control of many major grass and broadleaf weeds. Intervix® herbicide is available via the Clearfield® Agricentre Agency system, administered by BASF.

For more information visit [www.agro.basf.com.au](http://www.agro.basf.com.au) or Toll Free 1800 558 399.

## Grain yield

Sunblade CL Plus<sup>ϕ</sup> has performed exceptionally well in all regions of NSW and QLD, convincingly out-yielding its parent Suntop<sup>ϕ</sup> and main Clearfield<sup>®</sup> competitor, Elmore CL Plus<sup>ϕ</sup> (Figure 1). The yield of Sunblade CL Plus<sup>ϕ</sup> is on a level with the best of the APH classified varieties.

Figure 1. Predicted grain yield of Sunblade CL Plus<sup>ϕ</sup> versus comparators



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

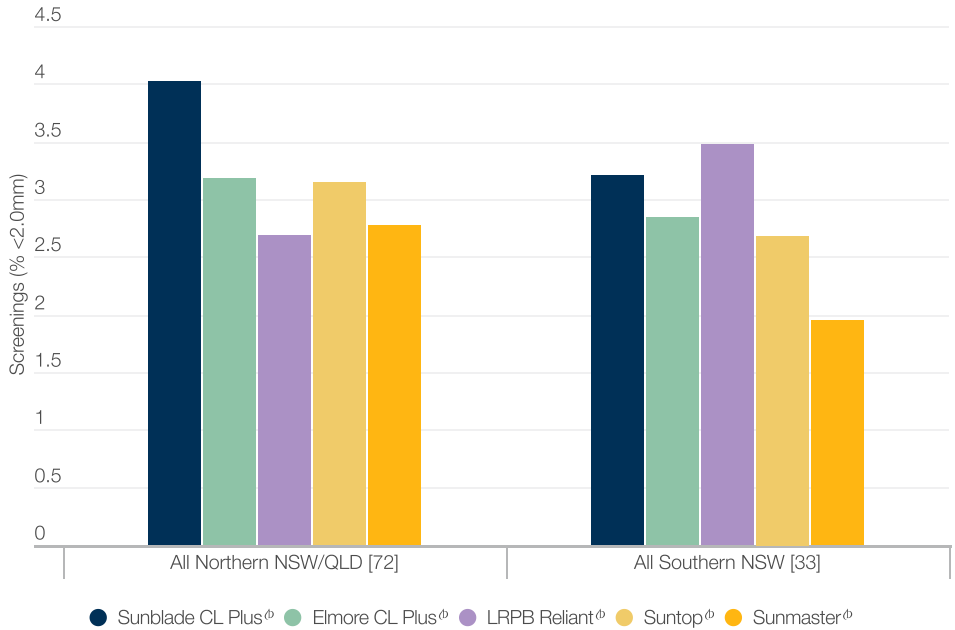
[ ] Total number of trials per region

( ) Number of trials that each variety was present in across the NSW and QLD dataset [160]

## Physical grain quality

Throughout a range of seasons, Sunblade CL Plus<sup>®</sup> has demonstrated screenings at a level slightly higher than Suntop<sup>®</sup> and Elmore CL Plus<sup>®</sup> (Figure 2).

Figure 2. Screenings of Sunblade CL Plus<sup>®</sup> versus comparators



Source: NVT main season trial series 2019-2022

[ ] Number of trials

## Disease resistance & agronomics

Sunblade CL Plus<sup>®</sup> has a sound disease resistance package, with useful stripe rust resistance and RLN (*P. thornei*) tolerance.

Table 1. Variety comparisons

|                                        | Sunblade CL Plus <sup>®</sup> | Elmore CL Plus <sup>®/^</sup> | LRPB Reliant <sup>®</sup> | Sunmaster <sup>®</sup> | Suntop <sup>®</sup> |
|----------------------------------------|-------------------------------|-------------------------------|---------------------------|------------------------|---------------------|
| Quality Classification - Northern      | APH                           | AH                            | APH                       | APH                    | APH                 |
| Quality Classification - South Eastern | APH                           | AH                            | AH                        | APH                    | APH                 |
| Stem Rust                              | MS                            | MR                            | R                         | MS                     | MRMS                |
| Stripe Rust                            | MRMS                          | NA                            | MR                        | MRMS                   | MRMS                |
| Leaf Rust                              | MSS                           | RMR                           | RMR                       | RMR#                   | MR                  |
| Yellow Leaf Spot                       | MSS                           | S                             | S                         | MSS                    | MSS                 |
| Crown Rot                              | S                             | S                             | MS                        | S                      | MSS                 |
| Black Point                            | MRMS                          | MS                            | MS                        | MR                     | MSS                 |
| RLN ( <i>P. thornei</i> ) resistance   | MRMS                          | S                             | MSS                       | MS                     | MRMS                |
| RLN ( <i>P. thornei</i> ) tolerance    | MT                            | MII                           | TMT                       | TMT                    | TMT                 |
| Septoria <i>tritici</i> Blotch         | S                             | NA                            | MSS                       | S                      | MSS                 |
| Plant Height                           | Medium                        | Medium                        | Tall                      | Medium                 | Tall                |

|    |                        |    |                       |                                                                                                    |
|----|------------------------|----|-----------------------|----------------------------------------------------------------------------------------------------|
| R  | Resistant              | MT | Moderately Tolerant   | ^ Elmore CL Plus ratings based on 2020 NVT screening<br>Source: NVT consensus ratings 2022 and AGT |
| MR | Moderately Resistant   | MI | Moderately Intolerant |                                                                                                    |
| MS | Moderately Susceptible | I  | Intolerant            |                                                                                                    |
| S  | Susceptible            | VI | Very Intolerant       |                                                                                                    |
| VS | Very Susceptible       | NA | Not Available         |                                                                                                    |
| T  | Tolerant               |    |                       |                                                                                                    |



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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.