

# Bigfoot CL<sup>®</sup>



- A higher yielding alternative to Maximus<sup>Ⓢ</sup> CL and Commodus<sup>Ⓢ</sup> CL, with better standability than Commodus<sup>Ⓢ</sup> CL
- Best suited to low-medium rainfall environments
- Tolerant to Clearfield<sup>®</sup> Intervix<sup>®</sup> herbicide
- Very similar to Yeti<sup>Ⓢ</sup>, with the addition of Clearfield<sup>®</sup> tolerance
- Good grain size and test weight
- FEED quality

## Breeder's comments

Barley varieties carrying the Clearfield® tolerance trait have become the most widely grown in NSW/QLD, with the herbicide tolerance trait being of great value to growers in the battle against weeds.

We are proud to release Bigfoot CL<sup>Φ</sup> as our first Clearfield® barley variety, in a plant type that will suit a wide range of environments.

Bigfoot CL<sup>Φ</sup> is closely related to the taller varieties that offer good early vigour such as Compass<sup>Φ</sup> and Commodus<sup>Φ</sup> CL (likely to be an important trait in an optimised integrated weed management system), however Bigfoot CL<sup>Φ</sup> has reduced height and lower risk of lodging than other Compass<sup>Φ</sup> style varieties.

Bigfoot CL<sup>Φ</sup> is also closely related to Yeti<sup>Φ</sup>, offering similar yields and plant type. Growers that have experience with Yeti<sup>Φ</sup> but see value in the Clearfield® herbicide tolerance trait can confidently consider Bigfoot CL<sup>Φ</sup>.

Whilst being a feed quality variety, Bigfoot CL<sup>Φ</sup> offers very high yields, particularly in low to medium rainfall environments.

Like other varieties in its family, Bigfoot CL<sup>Φ</sup> offers a very good physical grain quality package, producing low levels of screenings, high retentions, and high test weights.

## Clearfield® System

Bigfoot CL<sup>Φ</sup> has been specifically developed to carry tolerance to Clearfield® Intervix® herbicide. Intervix® is a member of the imidazolinone chemical family with Group 2 (formerly 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 [crop-solutions.basf.com.au/products/intervix](http://crop-solutions.basf.com.au/products/intervix) or Toll Free 1800 558 399.

# Bigfoot CL<sup>®</sup>

Table 1. Specifications

## Background

|           |                    |
|-----------|--------------------|
| Tested as | AGTB0669           |
| Released  | 2024               |
| EPR rate  | \$4.35/tonne + GST |

## Disease

|  |          |
|--|----------|
| Leaf Rust resistance* (NSW)              | SVS      |
| Leaf Rust resistance* (QLD)              | S        |
| Powdery Mildew resistance*               | S        |
| Net Blotch (Net Form) resistance*        | MRMS (P) |
| Net Blotch (Spot Form) resistance* (NSW) | MRMS     |
| Net Blotch (Spot Form) resistance* (QLD) | MS       |
| Scald resistance* (NSW)                  | SVS (P)  |
| Scald resistance* (QLD)                  | NA       |
| Barley Yellow Dwarf Virus resistance*    | MS       |
| Pratylenchus Thornei resistance*         | RMR (P)  |
| Pratylenchus Thornei tolerance*          | TMT      |
| Crown Rot resistance*                    | MSS (P)  |

## Plant Characteristics

|  |                                   |
|--|-----------------------------------|
| Maturity speed <sup>^</sup>            | Quick                             |
| Maturity habit <sup>^</sup>            | Spring                            |
| Sowing window <sup>^</sup>             | Main & Late                       |
| Novel herbicide tolerance <sup>^</sup> | Clearfield® (Intervix® herbicide) |
| Head type <sup>^</sup>                 | Awned                             |
| Early growth habit <sup>^</sup>        | Semi-erect                        |
| Plant height <sup>^</sup>              | Moderate                          |
| Coleoptile length <sup>^</sup>         | Long                              |
| Rachilla hair length <sup>^</sup>      | Long                              |
| Lodging tolerance <sup>^</sup>         | MTMI                              |

## Grain Quality

|   |                 |
|---|-----------------|
| Quality classification                        | FEED            |
| Screenings level <sup>^</sup>                 | Low             |
| Retentions level <sup>^</sup>                 | Very high       |
| Test weight <sup>^</sup>                      | Moderately high |
| Sprouting tolerance <sup>^</sup> <sup>o</sup> | MI              |
| Black Point resistance*                       | S (P)           |

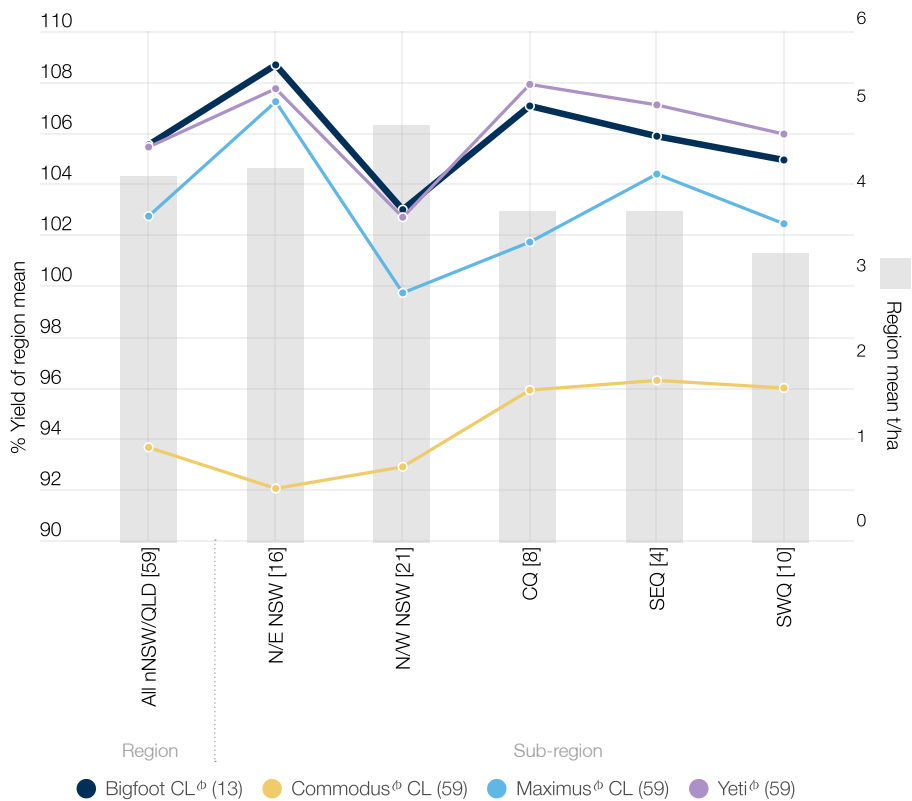
## Legend

|    |                        |     |   |   |  |
|----|------------------------|-----|---|---|--|
| R  | Resistant              | VI  | Very Intolerant                                 | o | Rating based on Germination Index Values   |
| MR | Moderately Resistant   | (P) | Provisional rating                              | ^ | AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: <a href="https://bit.ly/TraitRatings">https://bit.ly/TraitRatings</a> |
| MS | Moderately Susceptible | NA  | Not Available                                   |   |  |
| 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 2025                      |   |  |
| I  | Intolerant             |     |   |   |  |

## Grain yield

Relative to other Clearfield® barley varieties suited to low-medium rainfall environments, Bigfoot CL<sup>®</sup> is highly competitive, offering a 3% yield advantage over widely-grown Maximus<sup>®</sup> CL, and 12% yield above Commodus<sup>®</sup> CL over-all across northern NSW/QLD. Bigfoot CL<sup>®</sup> yields very similarly to Yeti<sup>®</sup> (Figure 1).

Figure 1. Predicted grain yield of Bigfoot CL<sup>®</sup> versus comparators across northern NSW/QLD regions



Source: NVT long term MET analysis, main season trial series 2020-2024

[ ] : Total number of trials per region

( ) : Number of trials that each variety was present in across the dataset

## Variety comparisons

Like Yeti<sup>®</sup>, Bigfoot CL<sup>®</sup> shares a similar plant type to the Compass<sup>®</sup> family of varieties (which includes Commodus<sup>®</sup> CL), generally offering more early vigour than the Hindmarsh<sup>®</sup> family of varieties (including Maximus<sup>®</sup> CL). However, Bigfoot CL<sup>®</sup> is shorter, and therefore offers less risk of lodging than Commodus<sup>®</sup> CL (and others closely related to Compass<sup>®</sup>).

Bigfoot CL<sup>®</sup> has produced grain with low screenings levels, very high retentions and moderately high test weight.

Table 2. Variety comparisons

|                       |  | Bigfoot CL <sup>®</sup>              | Commodus <sup>®</sup> CL             | Maximus <sup>®</sup> CL              | Yeti <sup>®</sup>                |
|-----------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|----------------------------------|
| Disease               | Leaf Rust resistance* (NSW)              | SVS                                  | SVS                                  | MS                                   | SVS                              |
|                       | Leaf Rust resistance* (QLD)              | S                                    | S                                    | MSS                                  | SVS                              |
|                       | Powdery Mildew resistance*               | S                                    | MSS                                  | S                                    | S                                |
|                       | Net Blotch (Net Form) resistance* (NSW)  | MRMS (P)                             | MS                                   | MRMS                                 | MS                               |
|                       | Net Blotch (Net Form) resistance* (QLD)  | MRMS                                 | MS                                   | MS                                   | MS                               |
|                       | Net Blotch (Spot Form) resistance* (NSW) | MRMS                                 | MSS                                  | MS                                   | MRMS                             |
|                       | Net Blotch (Spot Form) resistance* (QLD) | MS                                   | MSS                                  | MSS                                  | MRMS                             |
|                       | Scald resistance* (NSW)                  | SVS (P)                              | S                                    | S                                    | VS                               |
|                       | Scald resistance* (QLD)                  | NA                                   | NA                                   | NA                                   | NA                               |
|                       | Barley Yellow Dwarf Virus resistance*    | MS                                   | MRMS                                 | MRMS                                 | MS                               |
|                       | CCN resistance*                          | R                                    | R                                    | R                                    | NA                               |
|                       | Pratylenchus Neglectus resistance*       | MR                                   | MRMS                                 | MRMS                                 | MR                               |
|                       | Pratylenchus Neglectus tolerance*        | NA                                   | TMT                                  | MT                                   | TMT                              |
|                       | Pratylenchus Thornei resistance*         | RMR (P)                              | MRMS                                 | MRMS                                 | MR                               |
|                       | Pratylenchus Thornei tolerance*          | TMT                                  | MTMI                                 | MI                                   | MT                               |
|                       | Crown Rot resistance*                    | MSS (P)                              | S                                    | S                                    | S                                |
| Plant Characteristics | Maturity speed^                          | Quick                                | Quick                                | Quick                                | Very quick                       |
|                       | Maturity habit^                          | Spring                               | Spring                               | Spring                               | Spring                           |
|                       | Sowing window^                           | Main & Late                          | Main & Late                          | Main & Late                          | Main & Late                      |
|                       | Novel herbicide tolerance^               | Clearfield®<br>(Intervix® herbicide) | Clearfield®<br>(Intervix® herbicide) | Clearfield®<br>(Intervix® herbicide) | None<br>(conventional tolerance) |
|                       | Head type^                               | Awned                                | Awned                                | Awned                                | Awned                            |
|                       | Early growth habit^                      | Semi-erect                           | Semi-erect                           | Erect                                | Semi-erect                       |
|                       | Plant height^                            | Moderate                             | Tall                                 | Short                                | Moderate                         |
|                       | Coleoptile length^                       | Long                                 | Moderate                             | Very short                           | Long                             |
|                       | Rachilla hair length^                    | Long                                 | Long                                 | Long                                 | Long                             |
|                       | Lodging tolerance^                       | MTMI                                 | I                                    | MT                                   | MTMI                             |
| Grain Quality         | Quality classification                   | FEED                                 | MALT                                 | MALT                                 | FEED                             |
|                       | Screenings level^                        | Low                                  | Low                                  | Moderately low                       | Very low                         |
|                       | Retentions level^                        | Very high                            | High                                 | Moderately high                      | High                             |
|                       | Test weight^                             | Moderately high                      | Moderate                             | High                                 | Moderately high                  |
|                       | Sprouting tolerance^ <sup>o</sup>        | MI                                   | MI                                   | MI                                   | MI                               |
|                       | Black Point resistance*                  | S (P)                                | MS                                   | MSS                                  | MSS                              |



### *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*

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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 absence of NVT data, AGT data has been provided.