

# AGT- Insurgent TT<sup>®</sup>



## Variety snapshot

- The highest yielding triazine tolerant (TT), open pollinated (OP) canola available for low-medium rainfall environments
- The most profitable TT canola variety tested nation-wide in AGT & NVT low-medium trials
- Excellent oil content
- Quick-mid season maturity
- Low cost of seed resulting in lower up-front risk than hybrids
- Ability to retain seed for future plantings ensuring you always have the seed you need
- RMR blackleg rating (with fungicide), MRMS blackleg rating (without fungicide)
- Height and lodging tolerance similar to HyTTec® Trident

## Breeder's comments

The release of AGT-Insurgent TT<sup>®</sup> marks an exciting new dawn in Australian canola production. Combining a yield level similar to hybrids with excellent oil content, AGT-Insurgent TT<sup>®</sup> is expected to be not only the highest yielding OP variety available but the most profitable TT canola variety for many Australian farmers.

AGT-Insurgent TT<sup>®</sup> delivers exceptional value to growers and builds on our first canola variety Renegade TT<sup>®</sup>. AGT-Insurgent TT<sup>®</sup> offers lower up-front cost (and therefore lower risk) and higher gross margins over leading hybrid varieties when you combine the benefits of low seed cost, exceptional yield and high oil content.

A blackleg rating of RMR when treated and MRMS on bare seed means that AGT-Insurgent TT<sup>®</sup> should be a good option across a wide range of rainfall zones. Furthermore, AGT-Insurgent's<sup>®</sup> blackleg resistance is not based on the commonly deployed major genes. AGT-Insurgent TT<sup>®</sup> has similar height and lodging tolerance to HyTTec<sup>®</sup> Trident. Our rebellious canola breeding program, which commenced in 2016, provides an alternative to the 'hybrid only' mantra being promoted to growers. We continue to develop varieties that combine great return on investment with less up-front risk, with AGT-Insurgent TT<sup>®</sup> the latest variety emerging from this program.

# AGT-Insurgent TT<sup>Ⓓ</sup>

Table 1. Specifications

## Background

|           |                     |
|-----------|---------------------|
| Tested as | AGTC0120TT          |
| Released  | 2025                |
| EPR rate  | \$11.00/tonne + GST |

## Disease

|                                                   |      |
|---------------------------------------------------|------|
| Blackleg resistance group*                        | NA   |
| Blackleg resistance (bare)*                       | MRMS |
| Blackleg resistance (+ Ilevor® (Fluopyram))*      | RMR  |
| Blackleg resistance (+ Saltro® (Pydiflumetofen))* | RMR  |
| Blackleg upper canopy infection resistance*       | MRMS |

## Plant Characteristics

|                            |                 |
|----------------------------|-----------------|
| Pollination type           | Open Pollinated |
| Novel herbicide tolerance^ | Triazine        |
| Flowering maturity speed^  | Quick-mid       |
| Maturity habit^            | Spring          |
| Sowing window^             | Main & late     |

## Legend

|    |                        |     |                       |   |                                                 |
|----|------------------------|-----|-----------------------|---|-------------------------------------------------|
| R  | Resistant              | MT  | Moderately Tolerant   | / | Pathotype differences                           |
| MR | Moderately Resistant   | MI  | Moderately Intolerant | - | Range                                           |
| MS | Moderately Susceptible | I   | Intolerant            | , | Mixed phenotype                                 |
| S  | Susceptible            | VI  | Very Intolerant       | # | May be more susceptible to alternate pathotypes |
| VS | Very Susceptible       | (P) | Provisional rating    | * | NVT consensus ratings 2026                      |
| T  | Tolerant               | NA  | Not Available         | ^ | AGT ratings/data interpretation                 |

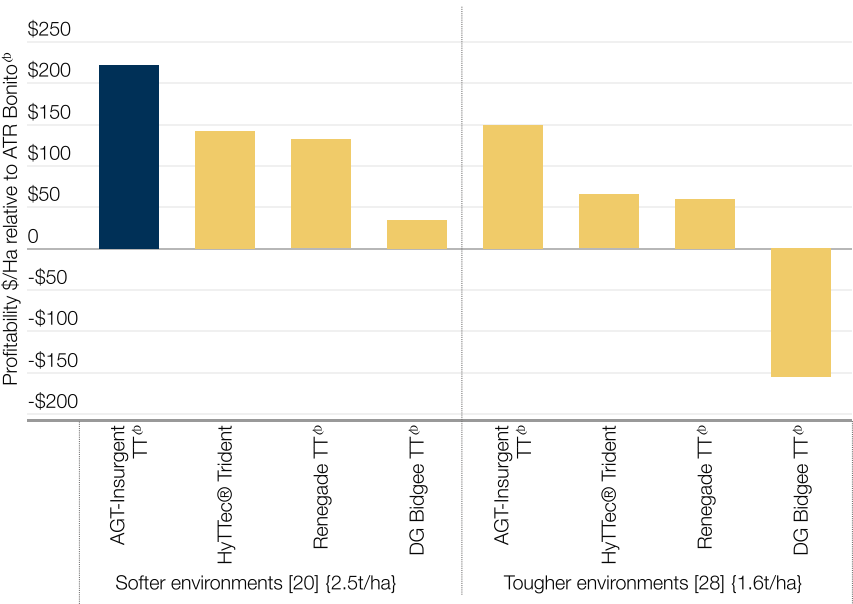
Value & performance - AGT data

For years, the spotlight in canola production has been on chasing the highest yielding hybrid varieties. But as growers know, what truly matters is profit. Sure, growing the biggest crop might early bragging rights - but with canola, the equation is clear: the biggest profit comes from the best combination of high yield, high oil content and low seed costs.

AGT-Insurgent TT<sup>®</sup> is a smart, low-cost, low-risk choice that delivers value to growers where it matters most - on the bottom line.

In AGT trials across Australia, AGT-Insurgent TT<sup>®</sup> is the most profitable canola variety tested and has the highest gross margin when compared to other hybrid and OP varieties (Figure 1); a fantastic combination of high yield (Figure 2) and high oil content (Figure 3).

Figure 1. Value calculation of AGT-Insurgent TT<sup>®</sup> versus comparators across Australia - Profitability relative to ATR Bonito<sup>®</sup> - AGT trials

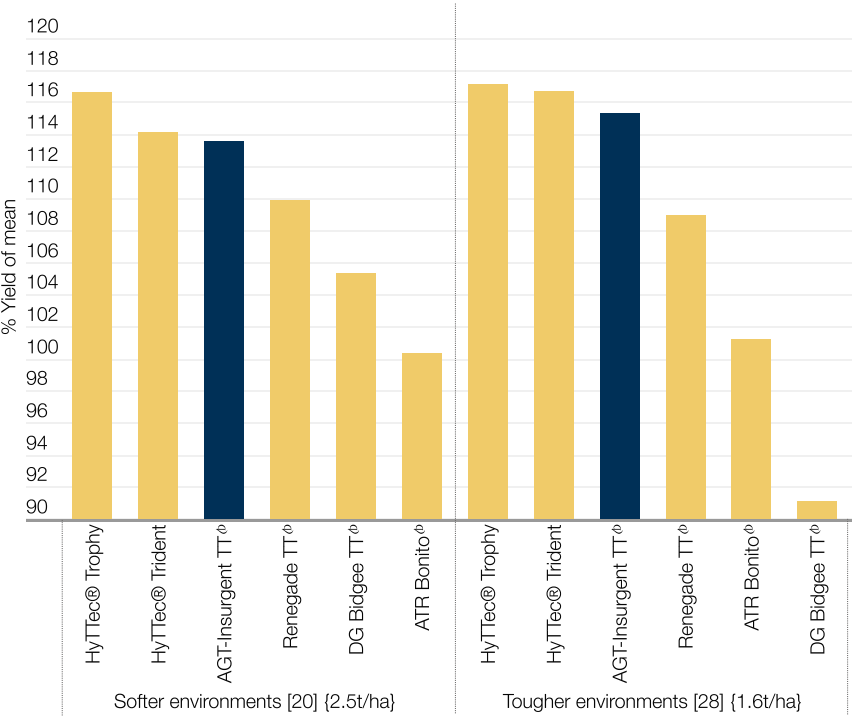


Source: AGT yield trials 2022-2025 (48 sites across Australia)  
Calculations based on following assumptions: Price of hybrid canola seed = \$50/kg, price of retained OP canola seed = \$5/kg, currently advertised EPR rate per variety, commodity price of canola at point of delivery = \$750/t, sowing rate = 2.5kg/ha, yield and oil content = long term assessment from AGT trials (Figures 2 & 3).

[ ] : Total number of trials per environment

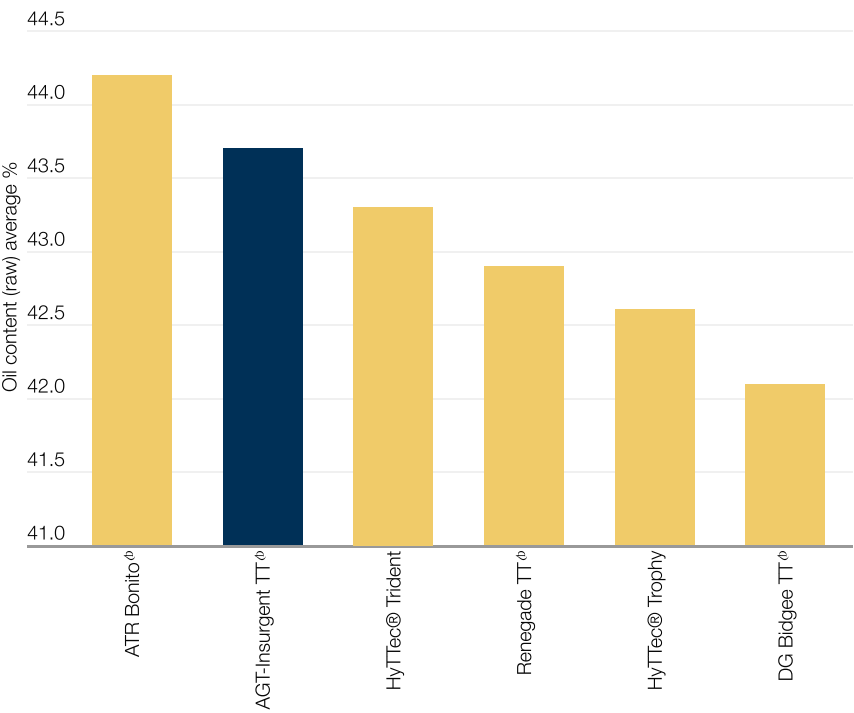
{ } : Environment mean

Figure 2. Grain yield of AGT-Insurgent TT<sup>®</sup> versus comparators across Australia - AGT trials



Source: AGT yield trials 2022-2025 (48 sites across Australia)

Figure 3. Oil content of AGT-Insurgent TT<sup>®</sup> versus comparators across Australia - AGT trials



Source: AGT yield trials 2022-2025 (21 sites across Australia)

Performance - NVT data

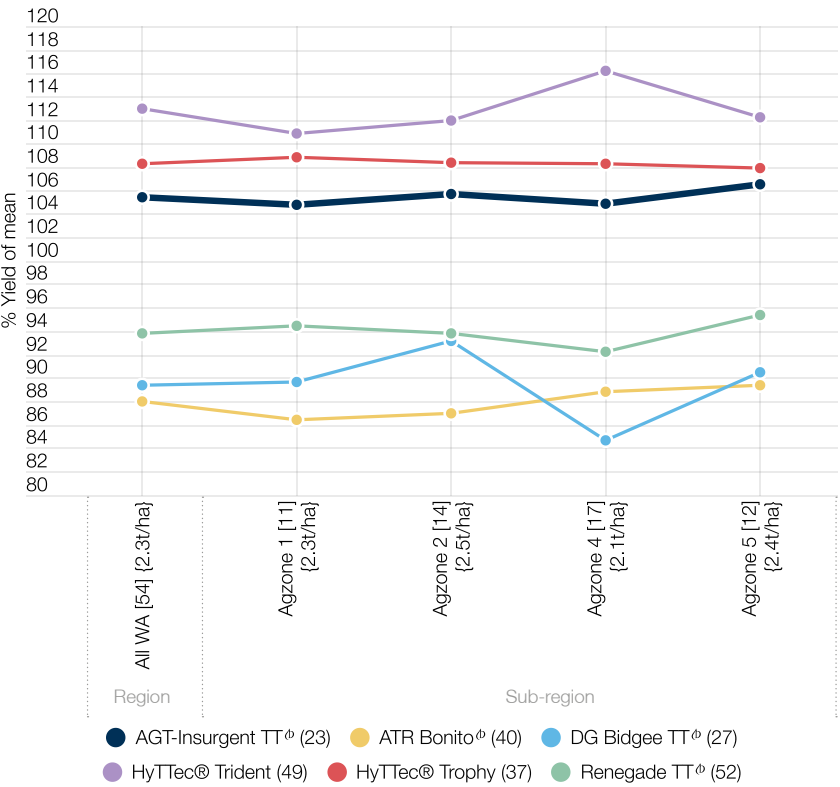
AGT-Insurgent TT<sup>ϕ</sup> has bridged the gap that used to exist between hybrid and open pollinated canola varieties.

NVT testing across the low-medium (Figure 4) environments of WA shows that AGT-Insurgent TT<sup>ϕ</sup> is by far the highest yielding OP TT variety available to growers.

Even in the medium-high rainfall environments (Figure 5), AGT-Insurgent TT<sup>ϕ</sup> gives the hybrids a run for their money.

Another way growers maximise value by growing canola is oil content. AGT-Insurgent TT<sup>ϕ</sup>, like Renegade TT<sup>ϕ</sup>, has excellent oil content and out-performs most other TT varieties (Figure 6).

Figure 4. Grain yield of AGT-Insurgent TT<sup>ϕ</sup> versus comparators across WA - NVT low-med TT trials

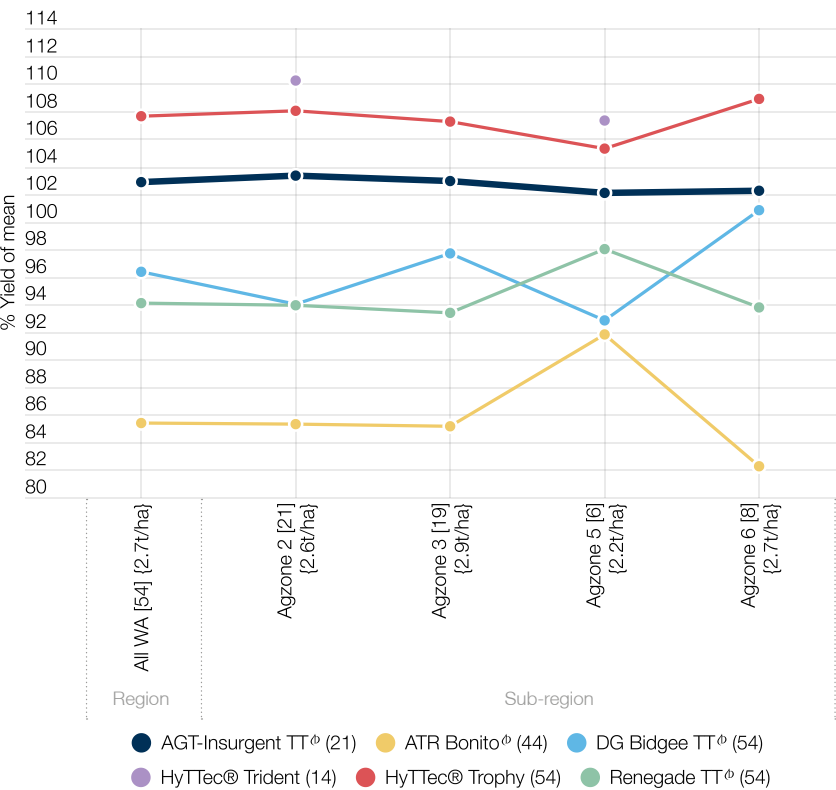


Source: Best linear unbiased predictions from NVT long term MET analysis, low-medium TT trial series 2021-2025  
[ ] : Total number of trials per region  
( ) : Number of trials that each variety was present in across the dataset  
{ } : Region mean



Performance - NVT data

Figure 5. Grain yield of AGT-Insurgent TT<sup>®</sup> versus comparators across WA - NVT med-high TT trials



Source: Best linear unbiased predictions from NVT long term MET analysis, medium-high TT trial series 2021-2025

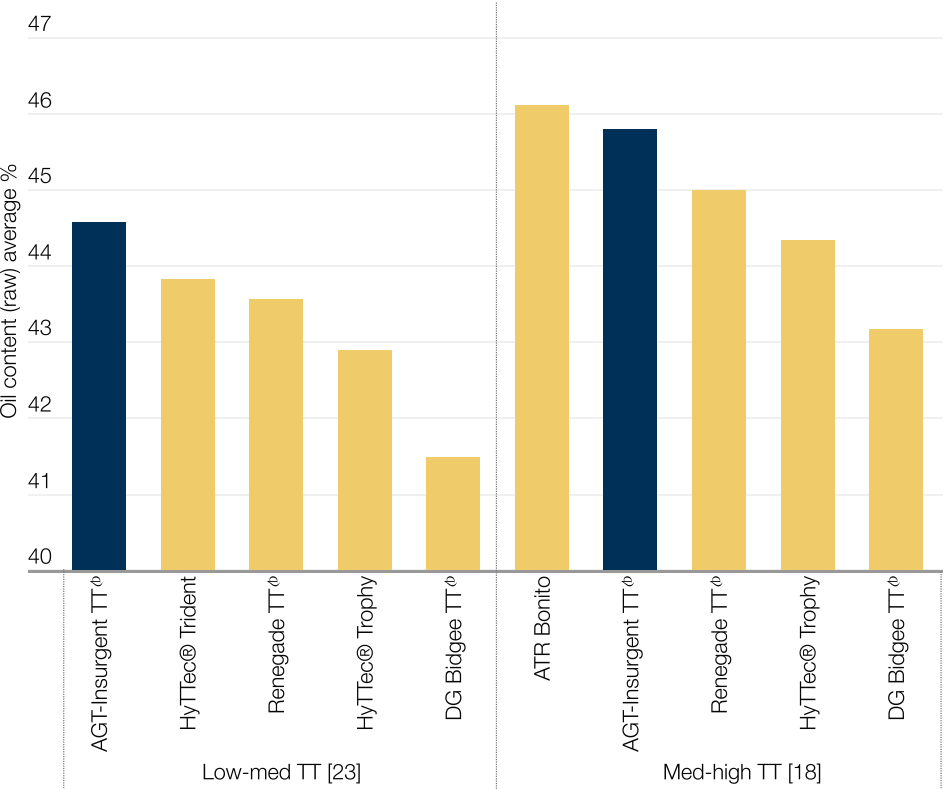
[ ] : Total number of trials per region

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

{ } : Region mean

Performance - NVT data

Figure 6. Oil content of AGT-Insurgent TT<sup>®</sup> versus comparators across WA - NVT TT trials



Source: NVT low-medium TT trials (23 trials) & NVT medium-high TT trials (18 trials), WA 2024-2025

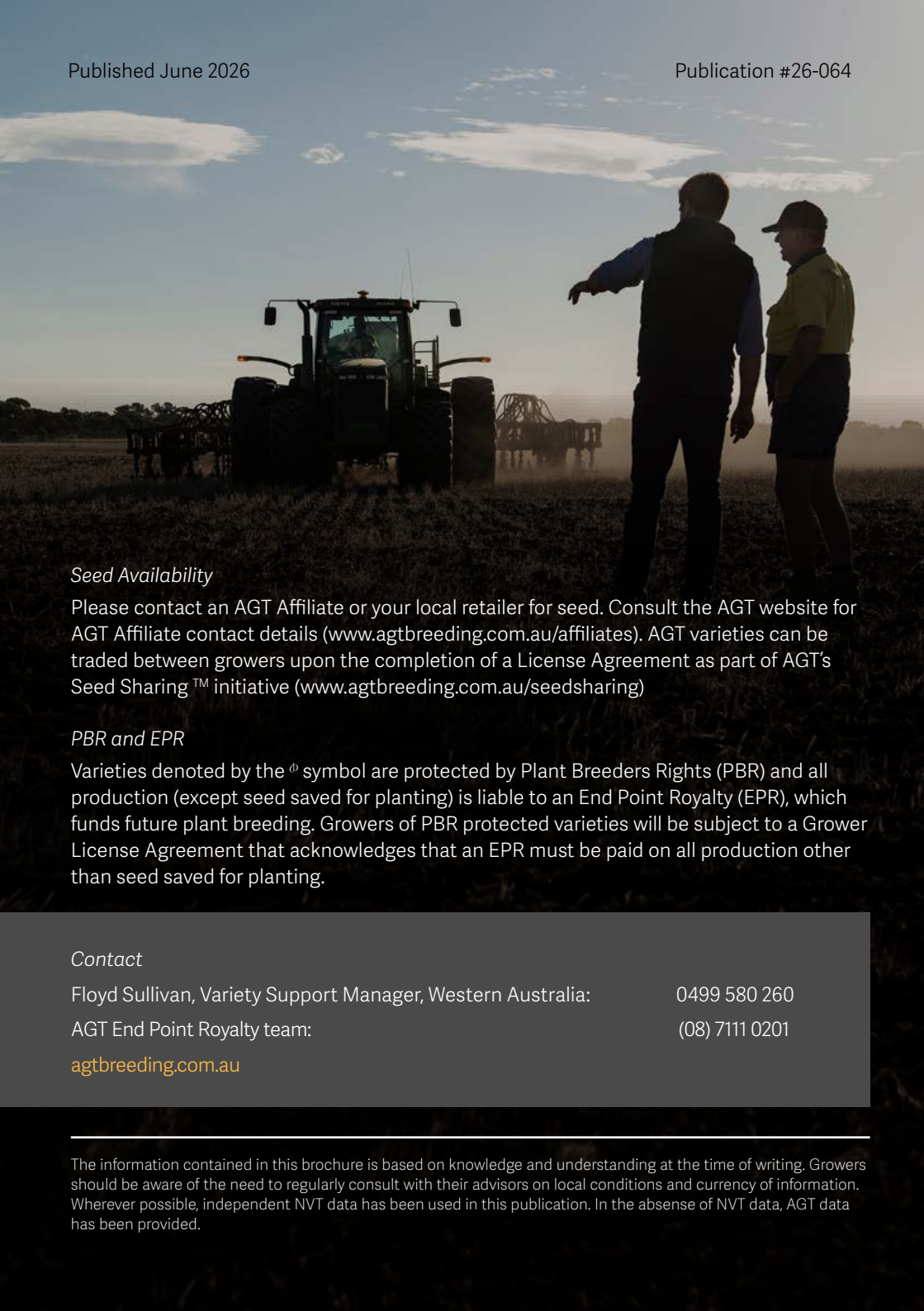
[ ] : Total number of trials

Note: Only trials where all comparators were present are included in this analysis

Variety comparisons

Table 2. Variety comparisons

|                       |                                                   | AGT-<br>Insurgent TT <sup>®</sup> | HyTTec®<br>Trident | HyTTec®<br>Trophy | Renegade TT <sup>®</sup> | ATR Bonito <sup>®</sup> | DG Bidgee TT <sup>®</sup> |
|-----------------------|---------------------------------------------------|-----------------------------------|--------------------|-------------------|--------------------------|-------------------------|---------------------------|
| Disease               | Blackleg resistance group*                        | NA                                | AD                 | AD                | A                        | A                       | H                         |
|                       | Blackleg resistance (bare)*                       | MRMS                              | RMR                | RMR               | MR                       | MS                      | R                         |
|                       | Blackleg resistance (+ Ileva® (Fluopyram))*       | RMR                               | R                  | R                 | R                        | MR                      | R                         |
|                       | Blackleg resistance (+ Saltro® (Pydiflumetofen))* | RMR                               | R                  | R                 | R                        | RMR                     | R                         |
|                       | Blackleg upper canopy infection resistance*       | MRMS                              | MR                 | MR                | MR                       | MS                      | R                         |
| Plant Characteristics | Pollination type                                  | Open Pollinated                   | Hybrid             | Hybrid            | Open Pollinated          | Open Pollinated         | Open Pollinated           |
|                       | Novel herbicide tolerance^                        | Triazine                          | Triazine           | Triazine          | Triazine                 | Triazine                | Triazine                  |



### *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.