

Hammer CL Plus[®]



Clearfield Plus
Production System for Wheat

Variety snapshot

- Closely related to widely adapted variety Mace[Ⓛ], with similar adaptation and yield
- AH (N) quality classification with moderate screenings and high test weight
- Suitable for wheat-on-wheat situations
- Quick-mid maturity, similar to Mace[Ⓛ]
- Tolerant to Clearfield[®] Intervix[®] herbicide

Breeder's comments

Being very closely related to Mace[®], Hammer CL Plus[®] shares a similar maturity and sowing window, as well as a wide adaptation and suitability to Western Australian cropping regions.

Along with having an AH (N) quality classification in Western Australia, Hammer CL Plus[®] produces grain with moderate screenings losses and high test weights.

Hammer CL Plus[®] also offers one of the best disease resistance packages in a Clearfield[®] variety, and with good levels of resistance to yellow spot, lends itself to wheat-on-wheat situations.

Hammer CL Plus[®] has finer, and therefore weaker straw than Mace[®], so growers may observe some leaning or lodging when Hammer CL Plus[®] is grown in higher yielding situations.

Clearfield[®] System

Hammer CL Plus[®] 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 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 or Toll Free 1800 558 399.

Hammer CL Plus[Ⓛ]

Table 1. Specifications

Background

| | |
|-----------|--------------------|
| Tested as | OAGT0016 |
| Released | 2020 |
| EPR rate | \$4.25/tonne + GST |

Performance

| | |
|-------------|---|
| Grain yield | Please consult the NVT website for current data: https://nvt.grdc.com.au/ |
|-------------|---|

Disease

| | |
|---|------|
| Stem Rust resistance* | MR |
| Stripe Rust resistance* | RMR |
| Leaf Rust resistance* | S |
| Yellow Spot resistance* | MRMS |
| Powdery Mildew resistance* | S |
| Septoria Nodorum Blotch (Glume) resistance* | MRMS |
| Septoria Nodorum Blotch (Leaf) resistance* | MRMS |

Plant Characteristics

| | |
|--|--|
| Maturity speed [^] | Quick-mid |
| Maturity habit [^] | Spring |
| Sowing window [^] | Main & Late |
| Novel herbicide tolerance [^] | Clearfield® Plus (Intervix® herbicide) |
| Head type [^] | Awned |
| Plant height [^] | Moderate |
| Coleoptile length [^] | Short |
| Lodging tolerance [^] | MII |

Abiotic Stress

| | |
|---------------------------------------|-------------------------------|
| Boron tolerance [^] | Does not carry tolerance gene |
| Acid/aluminium tolerance [^] | Carries tolerance gene |

Grain Quality

| | |
|-----------------------------------|----------|
| Quality classification | AH (N) |
| Grain colour | White |
| Screenings level [^] | Moderate |
| Test weight [^] | High |
| Sprouting tolerance ^{^Ⓞ} | MII |
| Black Point resistance* | MRMS |

Legend

| | | | | | |
|----|------------------------|-----|---|---|--|
| R | Resistant | VI | Very Intolerant | Ⓞ | 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: https://bit.ly/TraitRatings |
| 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 | | | | |



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). 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)

PBR and EPR

Varieties denoted by the [®] 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

Floyd Sullivan, Variety Support Manager, Western Australia:

0499 580 260

AGT End Point Royalty team:

(08) 7111 0201

agtbreeding.com.au

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.