# Catapult®

- Mid-slow maturity, with a very flexible sowing window
- Safer option for sowing dry when germination date is unknown
- Wide adaptation, will fit the front end of most growers' cropping programs
- Good pre-harvest sprouting tolerance, better than Rockstar[Φ]
- Excellent choice for wheat-on-wheat situations
- Very good physical grain quality characteristics with an AH quality classification

## Breeder's comments

Sometimes in breeding, you get unexpected but very exciting results. Out of a standard Mace$^{\Phi}$ cross, Catapult$^{\Phi}$ has emerged as a unique combination of features that we believe will help growers increase productivity, while providing flexibility that has not been available previously.

Growers are continually looking for earlier sowing options that don't compromise on yield, to complement high yielding main season varieties like Scepter$^{\Phi}$ so that an increase in over-all farm yield is achieved. Catapult$^{\Phi}$ may be viewed as a 'long season' Scepter$^{\Phi}$, allowing growers to achieve Scepter$^{\Phi}$-like yields when sown in late April/ early May. When sown around ANZAC day, Catapult$^{\Phi}$ has consistently out-yielded Magenta$^{\Phi}$ and Cutlass$^{\Phi}$. The high yield potential relative to other varieties has been recorded across a large range of growing conditions and environments, highlighting Catapult's$^{\Phi}$ very wide suitability for most cropping programs.

These days, much of the wheat crop is planted dry. In many instances germination of dry sown crops may be delayed considerably if the arrival of the break in the season is unknown, and therefore variety choice for these situations is very important. A variety like Catapult$^{\Phi}$ is a great choice for dry sowing because it maintains its high yield over a wide range of germination dates, including well into May where it remains competitive with the benchmark variety Scepter$^{\Phi}$.

Catapult$^{\Phi}$ is also one of the best choices for use in wheat-on-wheat rotations, with very good yellow spot resistance.

Catapult$^{\Phi}$ is very closely related to Scepter$^{\Phi}$ and shares its physical grain quality characteristics of high test weight, low screenings and AH quality classification.

# Catapult

*Table 1. Specifications*

## Background

| | |
|---|---|
| Tested as | RAC2484 |
| Released | 2019 |
| EPR rate | $3.25/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* | MS |
| Septoria Nodorum Blotch (Leaf) resistance* | MRMS |

## Plant Characteristics

| | |
|---|---|
| Maturity speed^ | Mid-slow |
| Maturity habit^ | Spring |
| Sowing window^ | Early & Main |
| Novel herbicide tolerance^ | None (conventional tolerance) |
| Head type^ | Awned |
| Plant height^ | Moderate |
| Coleoptile length^ | Short |
| Lodging tolerance^ | MI |

## Abiotic Stress

| | |
|---|---|
| Boron tolerance^ | Carries tolerance gene |
| Acid/aluminium tolerance^ | Carries tolerance gene |

## Grain Quality

| | |
|---|---|
| Quality classification | AH |
| Screenings level^ | White |
| Retentions level^ | Low |
| Test weight^ | High |
| Sprouting tolerance^° | MII |
| Black Point resistance* | S |

## Legend

| | |
|---|---|
| R | Resistant |
| MR | Moderately Resistant |
| MS | Moderately Susceptible |
| S | Susceptible |
| VS | Very Susceptible |
| T | Tolerant |
| MT | Moderately Tolerant |
| MI | Moderately Intolerant |
| I | Intolerant |
| VI | Very Intolerant |
| (P) | Provisional rating |
| NA | Not Available |
| / | Pathotype differences |
| - | Range |
| , | Mixed phenotype |
| # | May be more susceptible to alternate pathotypes |
| * | NVT consensus ratings 2025 |
| ° | Rating based on Germination Index Values |
| ^ | AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: https://bit.ly/TraitRatings |

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*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 Φ 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.

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