Coolah[Φ]

- Alternative to EGA Gregory[Φ], LRPB Flanker[Φ] and LRPB Lancer[Φ]
- APH quality classification
- Suited to end of April - beginning of May plantings
- Competitive grain yield and broad adaptation
- Excellent stem and leaf rust resistance
- Improved lodging tolerance over EGA Gregory[Φ]

Breeder's comments

Coolah$^{\Phi}$ is well adapted to the northern region with high and stable yields, and good stem and leaf rust resistance.

Coolah$^{\Phi}$ is slightly shorter in stature than EGA Gregory$^{\Phi}$, resulting in a lower susceptibility to lodging.

Coolah's maturity is driven by moderate photoperiod and vernalisation requirements, and matches EGA Gregory$^{\Phi}$ in most environments. Planted at the end of April into early May, Coolah$^{\Phi}$ will maximise early moisture availability whilst still avoiding frost risk in late August.

If you grow, or are interested in growing Coolah, we suggest taking a look at new Coolah$^{\Phi}$ replacement, Leverage$^{\Phi}$, which offers even greater increases in productivity.

Coolah$^{\Phi}$

Table 1. Specifications

Background

Tested as	V07176-69
Released	2015
EPR rate	$3.50/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*	MSS
Leaf Rust resistance*	RMR
Yellow Leaf Spot resistance*	MSS
Septoria Tritici Blotch resistance*	MSS
Pratylenchus Thornei resistance*	MS
Pratylenchus Thornei tolerance*	MT
Crown Rot resistance*	MSS

Plant Characteristics

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

Abiotic Stress

Boron tolerance^	Does not carry tolerance gene
Acid/aluminium tolerance^	Does not carry tolerance gene

Grain Quality

Quality classification	APH
Screenings level^	White
Retentions level^	Low
Test weight^	High
Sprouting tolerance^°	MI
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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