AGT-
Reaper CL

- An excellent replacement for Maximus$^{\Phi}$ CL, and a more yield stable alternative to Neo$^{\Phi}$ CL
- Tolerant to Clearfield® Intervix® herbicide
- 10% higher yielding than most widely grown variety Maximus$^{\Phi}$ CL in AGT trials
- Compact plant type, similar to Maximus$^{\Phi}$ CL, with quicker maturity
- Wider adaptation than Neo$^{\Phi}$ CL, suited to all key barley growing areas of Australia
- Useful resistance to spot form and net form net blotch
- Has entered the Grains Australia malt accreditation program but is currently deliverable as Barley/Feed

Breeder's comments

Barley growers looking to maximise yield need look no further than our new variety, AGT-Reaper CL$^{\Phi}$.

AGT-Reaper CL$^{\Phi}$ is a stand-out, setting a new yield benchmark . In its first year of NVT testing (2025) it made an immediate impact, winning 26% of all trials across Australia and drawing strong interest from growers and agronomists alike.

AGT-Reaper CL$^{\Phi}$ is related to the 'Hindmarsh' family of barley varieties, a family famous for very wide adaptation, very high and stable yields, and a shorter, compact plant type. Maximus$^{\Phi}$ CL is a great example of a variety within this family, and has become the most widely grown variety in Australia. AGT-Reaper CL$^{\Phi}$ is similar to Maximus$^{\Phi}$ CL in plant stature, Clearfield® herbicide tolerance and adaptation to a wide range of environments, but has produced a remarkable 8-10% higher yield.

Both AGT-Reaper CL$^{\Phi}$ and Neo$^{\Phi}$ CL offer very high yield potential, however AGT-Reaper CL$^{\Phi}$ has shown much better yield stability than Neo$^{\Phi}$ CL, offering peace of mind for growers in lower rainfall districts or those experiencing tougher seasons.

AGT-Reaper CL$^{\Phi}$ has a disease resistance package that compares well with most other varieties on the market. AGT-Reaper CL$^{\Phi}$ has been entered into the Grains Australia malt accreditation program and is currently deliverable as Barley/Feed.

Clearfield® Barley Production System

AGT-Reaper CL$^{\Phi}$ 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 or Toll Free 1800 558 399.

AGT-Reaper CL

Table 1. Specifications

Background

Tested as	AGTB0836
Released	2026
EPR rate	$4.55/tonne + GST

Disease

Leaf Rust resistance*	S (P)
Powdery Mildew resistance*	MSS (P)
Net Blotch (Net Form) resistance*	MRMS-MS (P)
Net Blotch (Spot Form) resistance*	MS (P)
Scald resistance*	R-S (P)
Barley Yellow Dwarf Virus resistance*	MRMS (P)
Crown Rot resistance*	NA

Plant Characteristics

Maturity speed^	Very quick
Maturity habit^	Spring
Sowing window^	Main & Late
Novel herbicide tolerance^	Clearfield® (Intervix® herbicide)
Head type^	Awned
Early growth habit^	Erect
Plant height^	Short
Coleoptile length^	Moderate
Rachilla hair length^	Short
Lodging tolerance^	MTMI

Grain Quality

Quality classification	FEED (Potential MALT)
Screenings level^	Moderately high
Retentions level^	Moderately high
Test weight^	Moderate
Sprouting tolerance^o	MI
Black Point resistance*	NA

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 2026
o	Rating based on Germination Index Values
^	AGT ratings/data interpretation. Comprehensive AGT agronomic trait ratings and data can be found at: https://bit.ly/Traits_2026

Grain yield

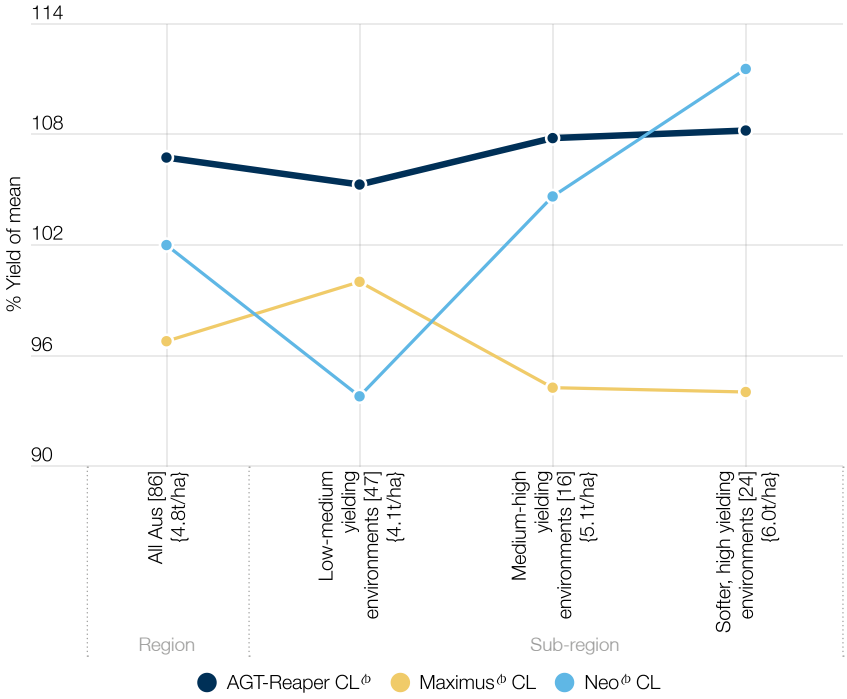
AGT-Reaper CL$^{\Phi}$ has been a standout in AGT long term testing, recording an impressive 10% yield advantage over widely grown variety Maximus$^{\Phi}$ CL (Figure 1).

The AGT data is backed up by NVT testing, which shows an 8% yield improvement of AGT-Reaper CL$^{\Phi}$ over Maximus$^{\Phi}$ CL (Figure 2).

The dominance of AGT-Reaper CL$^{\Phi}$ in the 2025 NVT trials is hard to ignore, with AGT-Reaper CL$^{\Phi}$ setting new yield benchmarks in many environments across Australia, and beating all other varieties in 22 out of 84 trials (out-yielding Maximus$^{\Phi}$ CL in 72 out of 84 trials, and Neo$^{\Phi}$ CL in 54 out of 84 trials).

The yield stability of AGT-Reaper CL$^{\Phi}$ over a range of conditions is another great strength, with the variety significantly out-performing Neo$^{\Phi}$ CL in under 4 tonne per hectare yield potential enviornments, while remaining competitive with Neo$^{\Phi}$ CL in the higher yielding environments (Figure 3).

Figure 1. Grain yield of AGT-Reaper CL$^{\Phi}$ versus comparators across Australia - AGT data



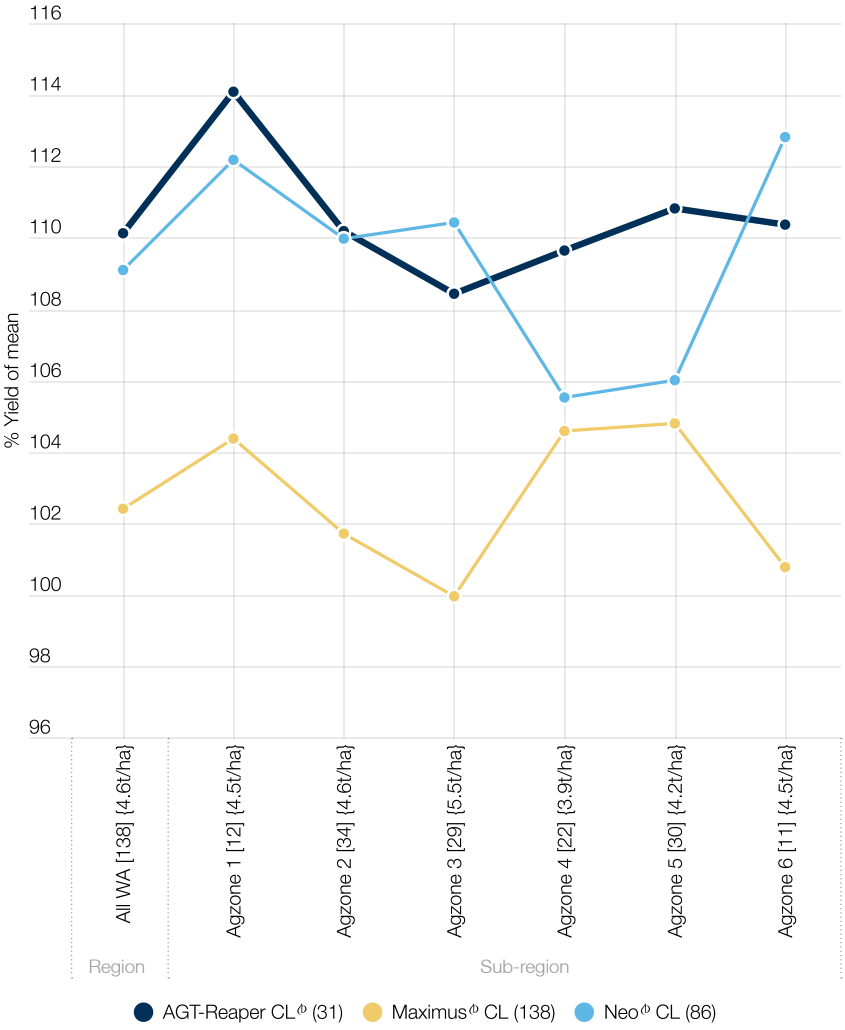
Source: Best linear unbiased predictions from AGT long term MET analysis, main season trial series 2022-2025 - All Australia

[ ] : Total number of trials per region

{ } : Region mean

Grain yield

Figure 2. Grain yield of AGT-Reaper CL$^{\Phi}$ versus comparators across WA - NVT trials



Source: Best linear unbiased predictions from NVT long term MET analysis, main season trial series 2021-2025

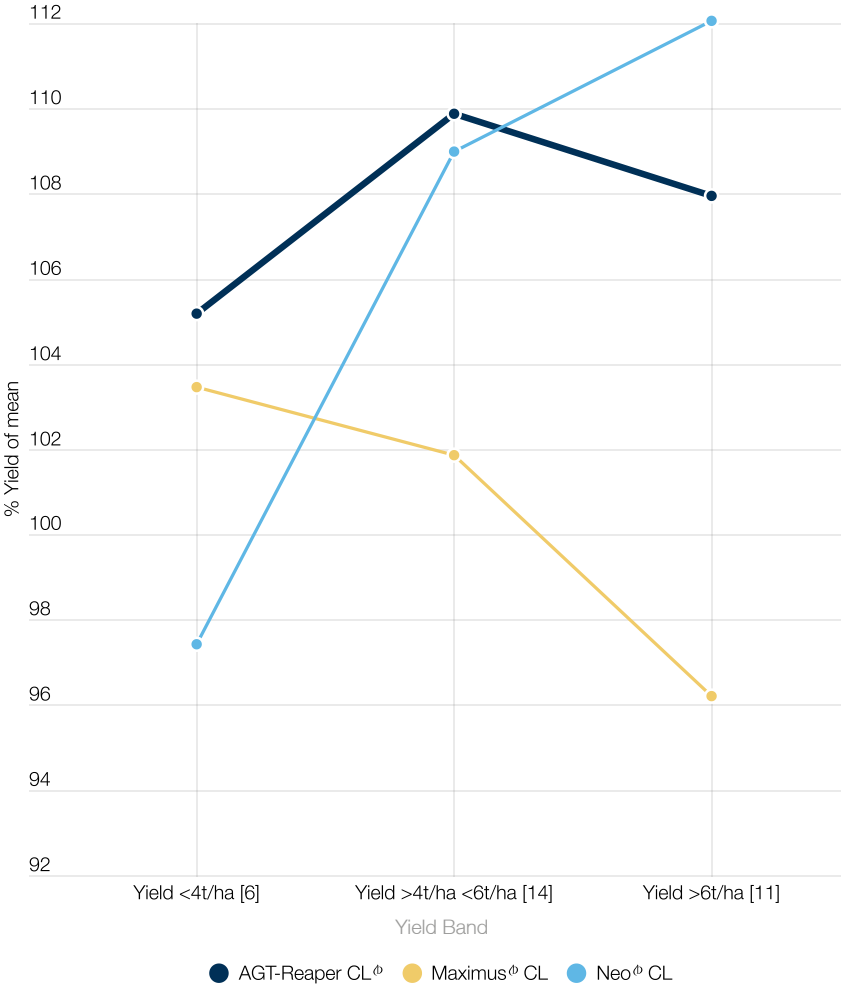
[ ] : Total number of trials per region

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

{ } : Region mean

Grain yield

Figure 3. Grain yield of AGT-Reaper CL$^{\Phi}$ versus comparators - yield bands - NVT trials



NVT main season trial series 2025 - WA

[ ] : Total number of trials per yield band

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

Variety comparisons

AGT-Reaper CL$^{\Phi}$ is a very quick maturing variety, reaching awn peep a little quicker than Maximus$^{\Phi}$ CL, and around a week quicker than Neo$^{\Phi}$ CL.

Although it produces slightly smaller grain size than Neo$^{\Phi}$ CL, AGT-Reaper CL$^{\Phi}$ produces higher test weights.

Table 2. Variety comparisons

		AGT-Reaper CL$^{\Phi}$	Maximus$^{\Phi}$ CL	Neo$^{\Phi}$ CL
Disease	Leaf Rust resistance*	S (P)	S	MS
	Powdery Mildew resistance*	MSS (P)	MSS	R
	Net Blotch (Net Form) resistance*	MRMS-MS (P)	MRMS-S	MRMS-MSS
	Net Blotch (Spot Form) resistance*	MS (P)	MSS	MRMS
	Scald resistance*	R-S (P)	R-S	MRMS-S
	Barley Yellow Dwarf Virus resistance*	MRMS (P)	MRMS-MS	MRMS-MS
	Crown Rot resistance*	NA	S	S
Plant Characteristics	Maturity speed^	Very quick	Quick	Mid
	Maturity habit^	Spring	Spring	Spring
	Sowing window^	Main & Late	Main & Late	Main
	Novel herbicide tolerance^	Clearfield® (Intervix® herbicide)	Clearfield® (Intervix® herbicide)	Clearfield® (Intervix® herbicide)
	Head type^	Awned	Awned	Awned
	Early growth habit^	Erect	Erect	Semi-prostrate
	Plant height^	Short	Short	Short
	Coleoptile length^	Moderate	Very short	Moderate
	Rachilla hair length^	Short	Long	Short
	Lodging tolerance^	MTMI	MTMI	MTMI
Grain Quality	Quality classification	FEED (Potential MALT)	MALT	MALT
	Screenings level^	Moderately high	Moderately low	Moderately low
	Retentions level^	Moderately high	Moderately high	High
	Test weight^	Moderate	High	Very low
	Sprouting tolerance^°	MI	MI	NA
	Black Point resistance*	NA	MSS	MRMS (P)

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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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