AGT-Hamelin

- Mid-slow maturity, suited to both early and main season sowings
- Alternative to RockStar$^{\Phi}$, Denison$^{\Phi}$, Brumby$^{\Phi}$ and Catapult$^{\Phi}$
- Very good physical grain quality package, with an AH quality classification, very high test weight, low screenings and good sprouting tolerance
- High yields across a range of germination dates
- Good disease resistance package, with valuable levels of rust, yellow spot and powdery mildew resistance
- Moderately short plant type, contributing to good standability

Breeder's comments

AGT-Hamelin$^{\Phi}$ has been released to offer increased benefits to those growers that have been using varieties like RockStar$^{\Phi}$, Denison$^{\Phi}$, Brumby$^{\Phi}$ and Catapult$^{\Phi}$ for early sowing opportunities across WA.

With increasing farm sizes, sowing programs have to start earlier to get the whole program in the ground, regardless of available moisture. A variety that performs when it is sown into moisture early and gets away, or sown dry and germinates later is highly desired. RockStar$^{\Phi}$, Denison$^{\Phi}$, Catapult$^{\Phi}$ and sometimes Brumby$^{\Phi}$ have been used in these circumstances. AGT-Hamelin$^{\Phi}$ is a variety in a similar vein, but offers improvements over all other choices for this situation.

Versus RockStar$^{\Phi}$, AGT-Hamelin$^{\Phi}$ offers improved yield in early sown NVT trials, similar yield in early sown AGT trials, better pre-harvest sprouting tolerance and much better test weight.

Relative to Denison$^{\Phi}$, AGT-Hamelin$^{\Phi}$ is a little quicker to flower, offers higher yields when sown later or when germination is delayed, a higher quality classification (AH versus APW), improved test weight, and an over-all better disease resistance package.

Against Brumby$^{\Phi}$, AGT-Hamelin$^{\Phi}$ offers a higher quality classification (AH versus APW), better leaf rust resistance, sprouting tolerance, test weight, a shorter, more compact plant type, and much higher yield when sown early.

Compared to Catapult$^{\Phi}$, AGT-Hamelin$^{\Phi}$ has consistently produced higher yields across all sowing dates, and possesses better powdery mildew and leaf rust resistance.

We believe that AGT-Hamelin$^{\Phi}$ offers a fantastic package of features that positions itself as the best variety for WA growers to plant at the front end of their seeding programs.

AGT-Hamelin

Table 1. Specifications

Background

Tested as	WAGT1159
Released	2025
EPR rate	$3.90/tonne + GST

Disease

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

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 short
Coleoptile length^	Short
Lodging tolerance^	MTMI

Abiotic Stress

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

Grain Quality

Quality classification	AH
Grain colour	White
Screenings level^	Low
Test weight^	Very high
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

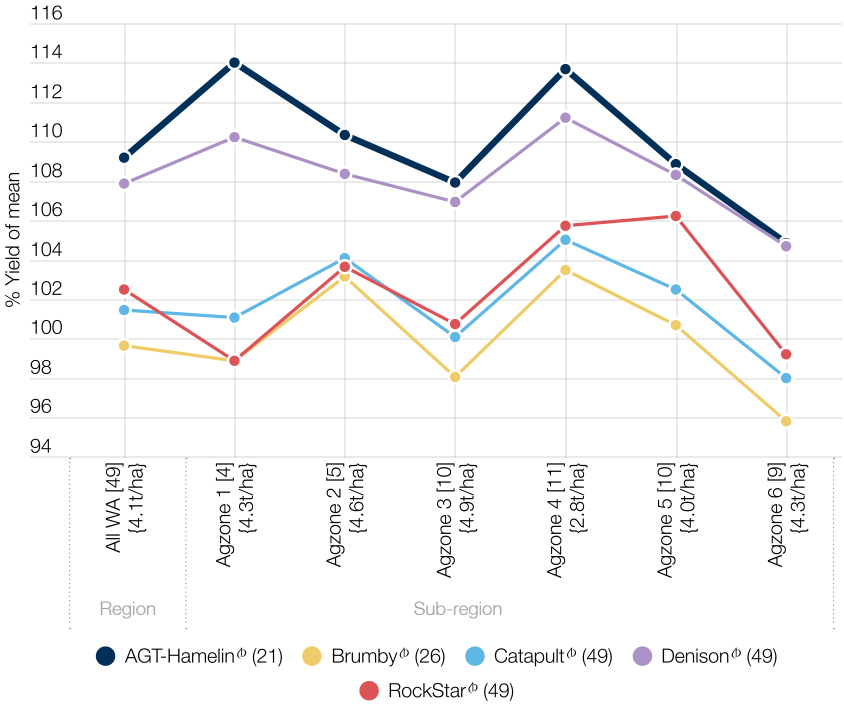
Grain yield

AGT-Hamelin$^{\Phi}$ has produced high yields across a wide range of sowing windows. When sown in the 'early' sowing window (typically late April/early May), AGT-Hamelin$^{\Phi}$ has produced yields slightly higher than Denison$^{\Phi}$ (Figure 1), and over 6% higher than RockStar$^{\Phi}$, Brumby$^{\Phi}$ and Catapult$^{\Phi}$.

When emerging in the main season sowing window, AGT-Hamelin$^{\Phi}$ has maintained its yield potential, performing very similarly to RockStar$^{\Phi}$ and Brumby$^{\Phi}$, with a much improved yield over Denison$^{\Phi}$ and Catapult$^{\Phi}$ (Figure 2).

These two datasets highlight AGT-Hamelin's$^{\Phi}$ yield stability across a range of emergence dates, which will give confidence to growers, particularly in earier or dry sowing situations when germination date is unknown.

Figure 1. Grain yield of AGT-Hamelin$^{\Phi}$ versus comparators across WA - NVT early sown trials



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

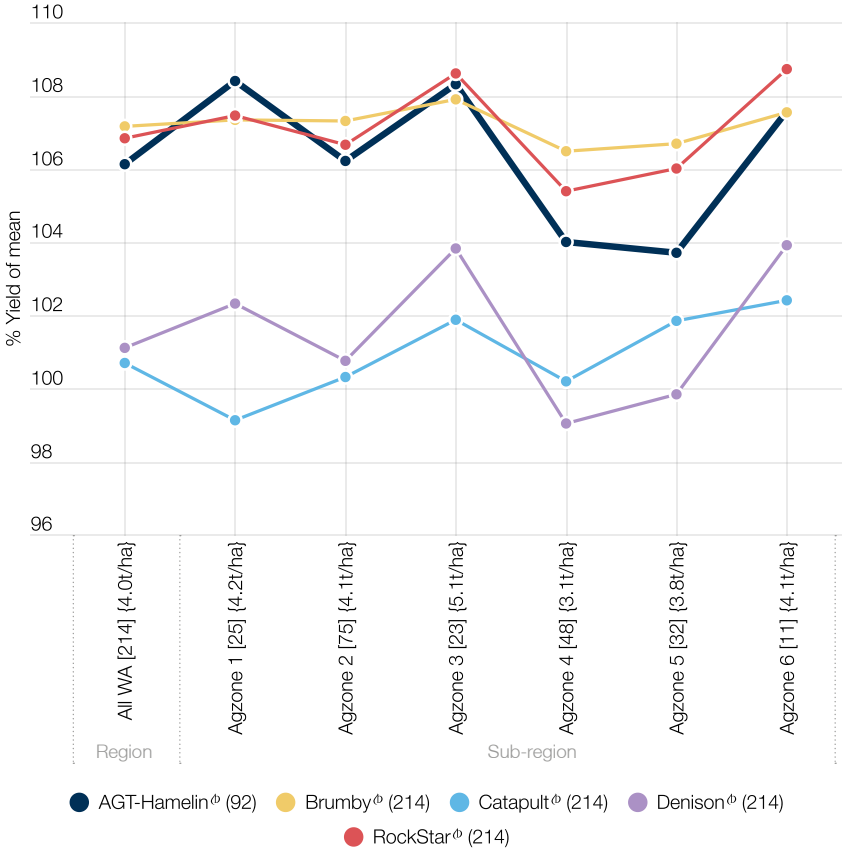
[ ] : Total number of trials per region

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

{ } : Region mean

Grain yield

Figure 2. Grain yield of AGT-Hamelin$^{\Phi}$ versus comparators across WA - NVT main season 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

Variety comparisons

AGT-Hamelin$^{\Phi}$ offers agronomic improvements over main competitor RockStar$^{\Phi}$, holding higher levels of resistance to leaf rust, better sprouting tolerance and much improved test weight.

Versus Denison$^{\Phi}$, AGT-Hamelin$^{\Phi}$ offers a higher quality classification (AH), an over-all better physical grain quality package, improved lodging tolerance and superior powdery mildew, leaf rust and stem rust resistance.

AGT-Hamelin$^{\Phi}$ reaches flowering a little later than RockStar$^{\Phi}$ and a little earlier than Denison$^{\Phi}$.

Table 2. Variety comparisons

		AGT-Hamelin$^{\Phi}$	Brumby$^{\Phi}$	Catapult$^{\Phi}$	Denison$^{\Phi}$	RockStar$^{\Phi}$
Disease	Stem Rust resistance*	MRMS	MR	MR	MS	MRMS
	Stripe Rust resistance*	RMR	RMR	RMR	MRMS	RMR
	Leaf Rust resistance*	MR	SVS	S	S	S
	Yellow Spot resistance*	MRMS	MRMS	MRMS	MRMS	MRMS
	Powdery Mildew resistance*	MRMS	R	S	S	MSS
	Septoria Nodorum Blotch (Glume) resistance*	MRMS (P)	MS	MS	MRMS	MRMS
	Septoria Nodorum Blotch (Leaf) resistance*	MR (P)	MRMS	MRMS	MR	MRMS
Plant Characteristics	Maturity speed^	Mid-slow	Mid	Mid-slow	Slow	Mid-slow
	Maturity habit^	Spring	Spring	Spring	Spring	Spring
	Sowing window^	Early & Main	Early & Main	Early & Main	Early & Main	Early & Main
	Novel herbicide tolerance^	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)
	Head type^	Awned	Awned	Awned	Awned	Awned
	Plant height^	Moderately short	Moderately tall	Moderate	Moderately short	Moderately short
	Coleoptile length^	Short	Moderate	Short	Moderate	Short
	Lodging tolerance^	MTMI	MTMI	MI	MI	MTMI
Abiotic Stress	Boron tolerance^	Does not carry tolerance gene	Does not carry tolerance gene	Carries tolerance gene	Carries tolerance gene	Does not carry tolerance gene
	Acid/aluminium tolerance^	Carries tolerance gene	Carries tolerance gene	Carries tolerance gene	Carries tolerance gene	Carries tolerance gene
Grain Quality	Quality classification	AH	APW (N)	AH	APW	AH (N)
	Grain colour	White	White	White	White	White
	Screenings level^	Low	Low	Low	Low	Low
	Test weight^	Very high	Moderate	High	High	Moderate
	Sprouting tolerance^°	MI	MII	MII	MII	I
	Black Point resistance*	NA	MSS	S	MS	MSS

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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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