

AGT- Bunyip IA[®]



Variety snapshot

- A world first dual herbicide tolerant barley variety - ImiTol™ + CoAxiu®
- Tolerant to imidazolinone herbicides and Aggressor® herbicide
- Offers flexibility to manage imidazolinone carry-over in soil and also manage problem weeds in-crop
- Higher yielding than most widely grown variety Maximus^Φ CL, with very wide adaptation
- Similar plant type and maturity to Maximus^Φ CL
- Compact plant type, offering better standability than taller varieties such as Titan AX^Φ
- Has entered the Grains Australia malt accreditation program but is currently deliverable as Barley/Feed

Breeder's comments

AGT-Bunyip IA[®] is the first variety in the world to offer dual herbicide tolerance, combining the ever-popular tolerance to imidazolinone herbicides, and the newer CoAXium[®] (Aggressor[®] herbicide) tolerance.

Both herbicide tolerances are effective on susceptible populations of common problem grass weeds including brome grass and barley grass.

This 'stacked' herbicide tolerance provides increased flexibility. A grower may wish to plant AGT-Bunyip IA[®] following a Clearfield[®] or imidazolinone herbicide tolerant crop to mitigate risk of residual carry-over. Aggressor[®] may then be used in-crop to control susceptible grass weeds. Or, either herbicide may be used in-crop for weed control.

Agronomically very similar to leading variety Maximus[®] CL, but with increased yield and herbicide tolerance flexibility, we regard AGT-Bunyip[®] as an excellent replacement for Maximus[®] CL.

AGT-Bunyip IA[®] offers a very good physical grain quality package and has entered the Grains Australia malt accreditation program, with an outcome expected in 2027.

Dual herbicide tolerance

AGT-Bunyip IA[®] has been specifically developed to carry tolerance to Sipcam Aggressor[®] (Group 1 Quizalofop-P-Ethyl) herbicide and imidazolinone herbicides, including Nufarm Intercept[®] (Group 2 Imazamox and Imazapyr). Both groups offer post-emergent knockdown of major grass weeds including brome grass, barley grass, annual ryegrass, wild oats, and volunteer wheat and barley (non-Sipcam Aggressor[®] or imidazolinone tolerant only). Sipcam Aggressor[®] herbicide has a wide application window and flexibility to be mixed with herbicides to control broadleaf weeds, with no carryover on soil or grain residue issues. Distribution of Sipcam Aggressor[®] herbicide and the CoAXium[®] stewardship program is administered by Sipcam. Visit www.coaxium.com.au for more information.

AGT-Bunyip IA[Ⓐ]

Table 1. Specifications

Background

Tested as	AGTB0530
Released	2025
EPR rate	\$5.50/tonne + GST

Disease

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

Plant Characteristics

Maturity speed [^]	Quick
Maturity habit [^]	Spring
Sowing window [^]	Main & Late
Novel herbicide tolerance [^]	ImiTol™ + CoAXium® (Imidazolinone & Aggressor® herbicides)
Head type [^]	Awned
Early growth habit [^]	Erect
Plant height [^]	Moderate
Coleoptile length [^]	Short
Rachilla hair length [^]	Short
Lodging tolerance [^]	MTMI

Grain Quality

Quality classification	Potential MALT
Screenings level [^]	Moderately low
Retentions level [^]	High
Test weight [^]	Very high
Sprouting tolerance ^{^∘}	MTMI
Black Point resistance*	NA

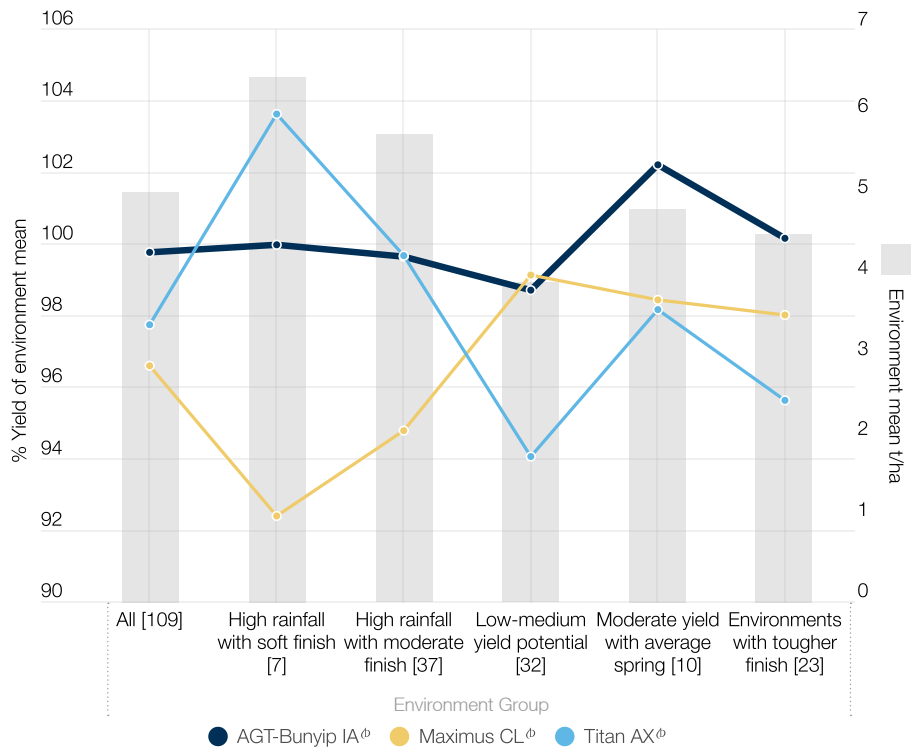
Legend

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				

Grain yield

AGT-Bunyip IA[®] has recorded high and stable yields across a wide range of environments, over-all out-yielding the most widely grown Clearfield[®] variety Maximus[®] CL, and leading CoAXium[®] variety Titan AX[®] (Figures 1 & 2).

Figure 1. Predicted grain yield of AGT-Bunyip IA[®] versus comparators - AGT data

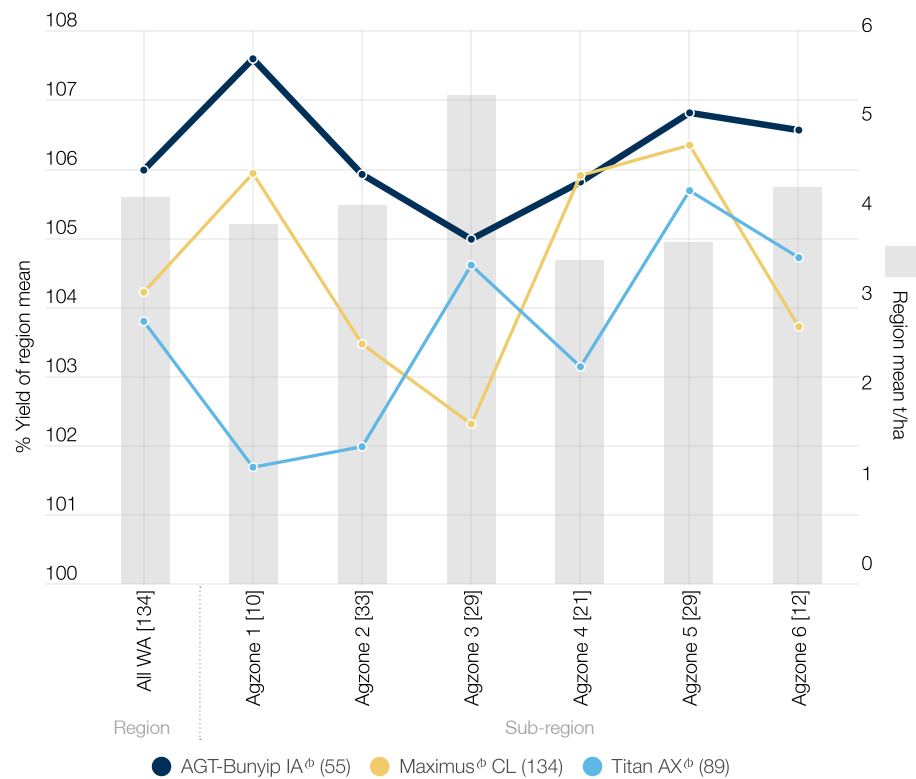


Source: AGT long term MET analysis, main season trial series 2021-2024

[] : Total number of trials per region

Grain yield

Figure 2. Predicted grain yield of AGT-Bunyip IA^ϕ versus comparators across WA regions - NVT data



Source: NVT long term MET analysis, main season trial series 2020-2024

[] : Total number of trials per region

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

Variety comparisons

AGT-Bunyip IA[®] is a quick maturing variety, similar to Maximus[®] CL, reaching awn peep earlier than Titan AX[®].

AGT-Bunyip IA[®] has a compact plant type similar to Maximus[®] CL which contributes to better lodging tolerance relative to Titan AX[®].

The physical grain quality package of AGT-Bunyip IA[®] is very good, offering moderately low screenings and very high test weight. It has entered the malt accreditation system and an outcome is expected in 2027.

Table 2. Variety comparisons

		AGT-Bunyip IA [®]	Maximus [®] CL	Titan AX [®]
Disease	Leaf Rust resistance*	MSS	S	S
	Powdery Mildew resistance*	S	RMR/S	RMR
	Net Blotch (Net Form) resistance*	MRMS-S	MRMS-S	MRMS-S
	Net Blotch (Spot Form) resistance*	MRMS	MSS	MS
	Scald resistance*	MS	MR	S
	Barley Yellow Dwarf Virus resistance*	MS	MRMS	MS
	Crown Rot resistance*	MSS (P)	S	MSS
Plant Characteristics	Maturity speed^	Quick	Quick	Mid
	Maturity habit^	Spring	Spring	Spring
	Sowing window^	Main & Late	Main & Late	Main
	Novel herbicide tolerance^	ImiToI™ + CoAXium® (Imidazolinone & Aggressor® herbicides)	Clearfield® (Intervix® herbicide)	CoAXium® (Aggressor® herbicide)
	Head type^	Awned	Awned	Awned
	Early growth habit^	Erect	Erect	Semi-erect
	Plant height^	Moderate	Short	Very tall
	Coleoptile length^	Short	Very short	Moderate
	Rachilla hair length^	Short	Long	Long
	Lodging tolerance^	MTMI	MT	I
Grain Quality	Quality classification	Potential MALT	MALT	Potential MALT
	Screenings level^	Moderately low	Moderately low	Low
	Retentions level^	High	Moderately high	High
	Test weight^	Very high	High	Moderate
	Sprouting tolerance^o	MTMI	MI	MI
	Black Point resistance*	MSS (P)	MSS	MSS



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

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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.