Ironbark(b)

AGT

- An excellent replacement for popular variety Beckom$^{\Phi}$
- Derived from Beckom$^{\Phi}$
- AH quality classification in southern NSW
- Improved yield and grain size compared to Beckom$^{\Phi}$
- Improved stripe rust resistance compared to Beckom$^{\Phi}$
- Similar maturity, plant height and canopy to Beckom$^{\Phi}$
- Carries both major acid tolerance genes
- Very widely adapted, suited to most of southern NSW

Breeder's comments

Since its release in 2015, wheat variety Beckom$^{\Phi}$ has been a main season staple in southern NSW paddocks. Robust disease resistance (in particular stripe rust), wide adaptation across hostile soils, and consistently high performance have entrenched it as a go-to variety in the main season sowing window. We have built on the strengths of Beckom$^{\Phi}$ with the release of its replacement, Ironbark$^{\Phi}$.

Ironbark$^{\Phi}$ is derived from Beckom$^{\Phi}$ and has inherited several of the major traits that have made Beckom$^{\Phi}$ such a popular variety. Ironbark$^{\Phi}$ maintains a compact plant canopy, similar maturity, and carries both acid and boron tolerance genes. Ironbark$^{\Phi}$ also has a number of improvements over Beckom$^{\Phi}$ including better yield performance, larger grain size and therefore lower screenings losses, and an ability to maintain yield in high disease pressure situations. Ironbark$^{\Phi}$ has improved disease resistance ratings for both stripe and leaf rust.

We believe that Ironbark$^{\Phi}$ provides the next performance step for southern NSW grower who have benefited from growing its parent Beckom$^{\Phi}$, but are looking to achieve higher yields with lower risk. The overall package of Ironbark$^{\Phi}$ provides growers with a logical replacement for Beckom$^{\Phi}$, offering a more profitable option.

Ironbark$^{\Phi}$

Table 1. Specifications

Background

Tested as	V14035-125
Released	2024
EPR rate	$3.90/tonne + GST

Disease

Stem Rust resistance*	MS
Stripe Rust resistance*	MR
Leaf Rust resistance*	MRMS
Yellow Leaf Spot resistance*	MSS
Powdery Mildew resistance*	S
Septoria Tritici Blotch resistance*	S
CCN resistance*	MS (P)
Pratylenchus Neglectus resistance*	S
Pratylenchus Neglectus tolerance*	IVI (P)
Pratylenchus Thornei resistance*	MR (P)
Pratylenchus Thornei tolerance*	MTMI (P)
Crown Rot resistance*	MSS (P)

Plant Characteristics

Maturity speed^	Mid
Maturity habit^	Spring
Sowing window^	Main & Late
Novel herbicide tolerance^	None (conventional tolerance)
Head type^	Awned
Plant height^	Moderately short
Coleoptile length^	Short
Lodging tolerance^	MI

Abiotic Stress

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

Grain Quality

Quality classification	AH
Grain colour	White
Screenings level^	Low
Test weight^	High
Sprouting tolerance^°	MII
Black Point resistance*	NA

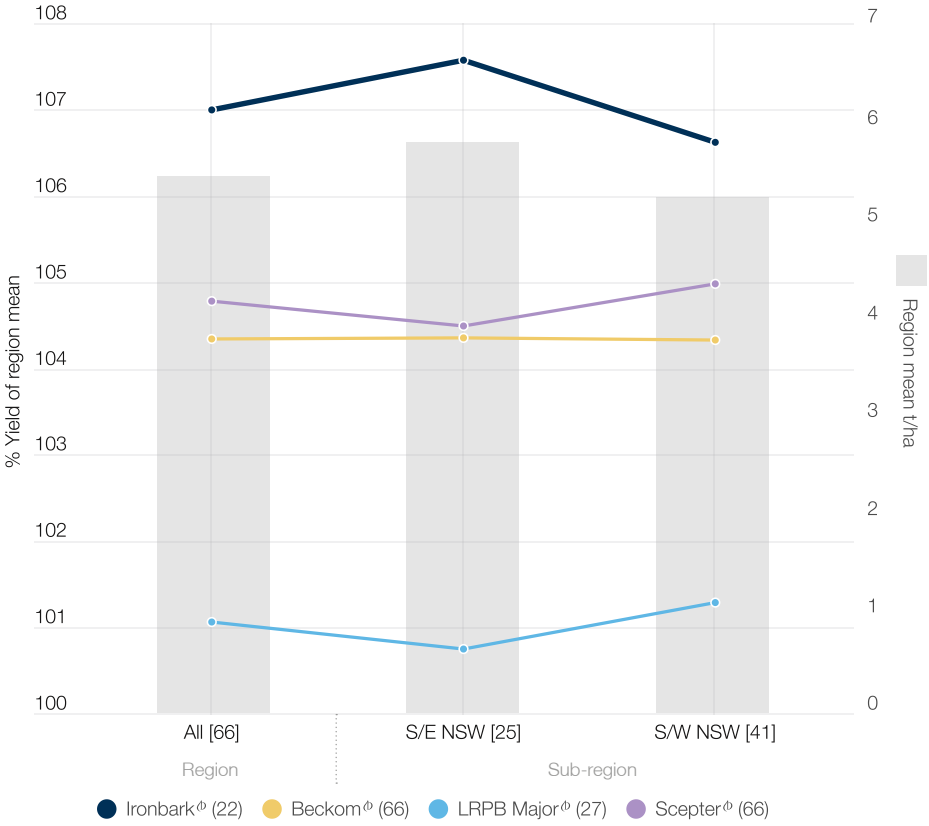
Legend

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 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

Grain yield

Ironbark$^{\Phi}$ has performed strongly across southern NSW, consistently out-performing main season benchmarks Beckom$^{\Phi}$ and Scepter$^{\Phi}$, and substantially higher yielding than LRPB Major$^{\Phi}$ in NVT trials (Figure 1).

Figure 1. Predicted grain yield of Ironbark$^{\Phi}$ versus comparators across southern NSW



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

Ironbark$^{\Phi}$ has an AH quality classification in southern NSW, and produces grain with lower levels of screenings and higher test weights than main comparator Beckom$^{\Phi}$.

Ironbark$^{\Phi}$ offers very good levels of resistance to stripe rust.

Table 2. Variety comparisons

		Ironbark$^{\Phi}$	Beckom$^{\Phi}$	LRPB Major$^{\Phi}$	Scepter$^{\Phi}$
Disease	Stem Rust resistance*	MS	MRMS	MRMS	MRMS
	Stripe Rust resistance*	MR	MRMS	MRMS	S
	Leaf Rust resistance*	MRMS	MSS	MR	MSS
	Yellow Leaf Spot resistance*	MSS	MSS	MS	MRMS
	Powdery Mildew resistance*	S	S	MSS	SVS
	Septoria Tritici Blotch resistance*	S	S	MSS	S
	CCN resistance*	MS (P)	R	MRMS	MRMS
	Pratylenchus Neglectus resistance*	S	S	S	S
	Pratylenchus Neglectus tolerance*	IVI (P)	MTMI	MI (P)	MTMI
	Pratylenchus Thornei resistance*	MR (P)	MSS	MSS	MSS
	Pratylenchus Thornei tolerance*	MTMI (P)	TMT	MTMI	MT
	Crown Rot resistance*	MSS (P)	S	MSS	MSS
Plant Characteristics	Maturity speed^	Mid	Quick-mid	Mid-slow	Mid
	Maturity habit^	Spring	Spring	Spring	Spring
	Sowing window^	Main & Late	Main & Late	Main	Main & Late
	Novel herbicide tolerance^	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)
	Head type^	Awned	Awned	Awned	Awned
	Plant height^	Moderately short	Short to moderately short	Short to moderately short	Moderate
	Coleoptile length^	Short	Short	NA	Short
	Lodging tolerance^	MI	MI	MTMI	MI
Abiotic Stress	Boron tolerance^	Carries tolerance gene	Carries tolerance gene	Carries tolerance gene	Carries tolerance gene
	Acid/aluminium tolerance^	Carries tolerance gene	Carries tolerance gene	Carries tolerance gene	Carries tolerance gene
Grain Quality	Quality classification	AH	AH	AH	AH
	Grain colour	White	White	White	White
	Screenings level^	Low	Moderate	Low	Low
	Test weight^	High	Moderate	Very high	High
	Sprouting tolerance^°	MII	MII	MII	MII
	Black Point resistance*	NA	MRMS	MSS	MS

Published August 2025 Publication #25-034

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.

Contact

Darcey Boucher-Hill, Variety Support Manager, southern NSW: 0418 394 808

AGT End Point Royalty team: (08) 7111 0201

agtbreeding.com.au