

# Coota<sup>®</sup>



- High yielding in early sown trials and situations
- Mid-slow maturity, best suited to end of April – beginning of May sowing
- APH quality classification with low screenings and high test weights
- Very good black point resistance
- Excellent lodging resistance
- Alternative to LRPB Lancer<sup>®</sup>, LRPB Stealth<sup>®</sup> and other earlier sowing options

## Breeder's comments

Coota<sup>ϕ</sup>, bred by our team at Wagga Wagga, has been released to complement the high yielding, AH quality, mid season maturing varieties Beckom<sup>ϕ</sup> and Scepter<sup>ϕ</sup>; offering an earlier sowing opportunity, APH quality, as well as maintaining the high yield potential that growers expect out of new varieties.

Coota<sup>ϕ</sup> performs best when sown in its optimal window from late April to mid May. Coota<sup>ϕ</sup> has shown excellent adaptation to southern NSW, performing strongly in this sowing window, beating LRPB Lancer<sup>ϕ</sup> by 7%, LRPB Stealth<sup>ϕ</sup> by 6% and LRPB Raider<sup>ϕ</sup> by 4%, in NVT long term yield analysis. Although lower yielding than Rockstar<sup>ϕ</sup>, Coota<sup>ϕ</sup> offers better sprouting tolerance, higher test weight and slightly better stripe rust resistance.

By combining excellent grain size, short stature, low black-point risk and adaptation across different soil types, Coota<sup>ϕ</sup> is a variety that can be relied on to perform.

Unlike taller varieties EGA Gregory<sup>ϕ</sup>, Coolah<sup>ϕ</sup> and LRPB Flanker<sup>ϕ</sup>, Coota<sup>ϕ</sup> has very good lodging tolerance, similar to, or better than LRPB Lancer<sup>ϕ</sup>.

The yield performance, physical grain quality package and agronomic traits of Coota<sup>ϕ</sup> give it flexibility across high and low yield potential zones, and a wide planting window. High grain yield potential, compact plant height and tolerance to lodging make Coota<sup>ϕ</sup> a good option in high rainfall, high input and irrigated environments, whilst it's excellent grain package can help in minimising risk in less favourable conditions where screenings can be an issue.

## Seed availability

Commercial quantities of Coota<sup>ϕ</sup> may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Coota<sup>ϕ</sup> can be traded between growers upon the completion of a License Agreement as part of AGT's Seed Sharing™ initiative.

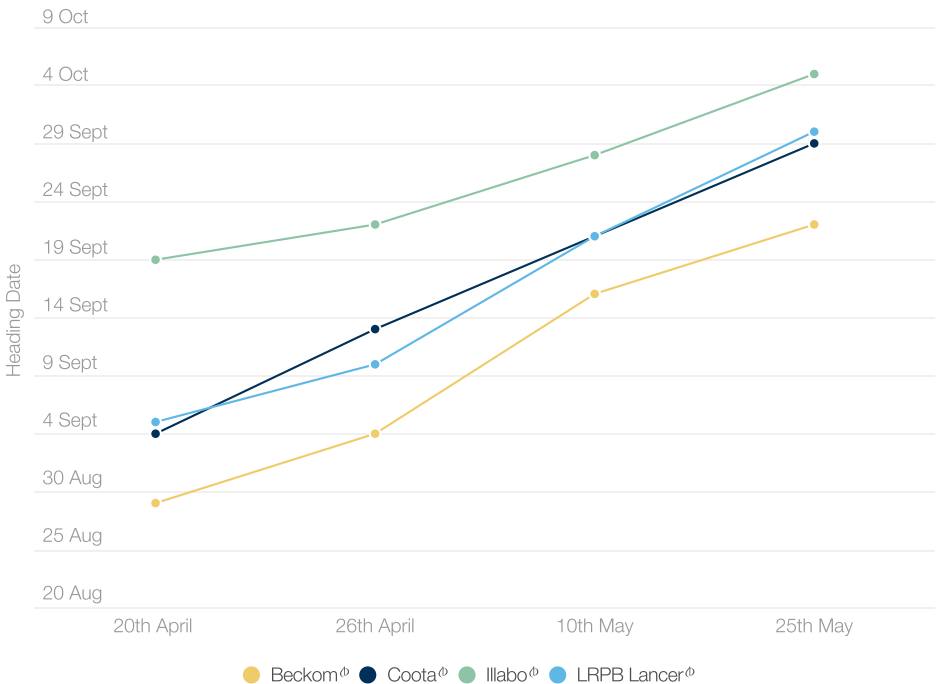
## PBR and EPR

Coota<sup>ϕ</sup> is protected by Plant Breeders Rights (PBR) (denoted by the <sup>ϕ</sup> symbol) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Coota<sup>ϕ</sup> growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$3.60/tonne + GST must be paid on all production other than seed saved for planting.

## Maturity & sowing window

Coota<sup>ϕ</sup> is a mid-slow spring wheat, offering growers a true late April to early May sowing option, sitting in the sowing window between the quicker winter varieties (ie. Illabo<sup>ϕ</sup>), and the mid maturing springs (ie. Beckom<sup>ϕ</sup>). In its preferred sowing window of late April, Coota<sup>ϕ</sup> has reached head emergence at a similar time to LRPB Lancer<sup>ϕ</sup> (Figure 1).

Figure 1. Head emergence of Coota<sup>ϕ</sup> relative to comparators

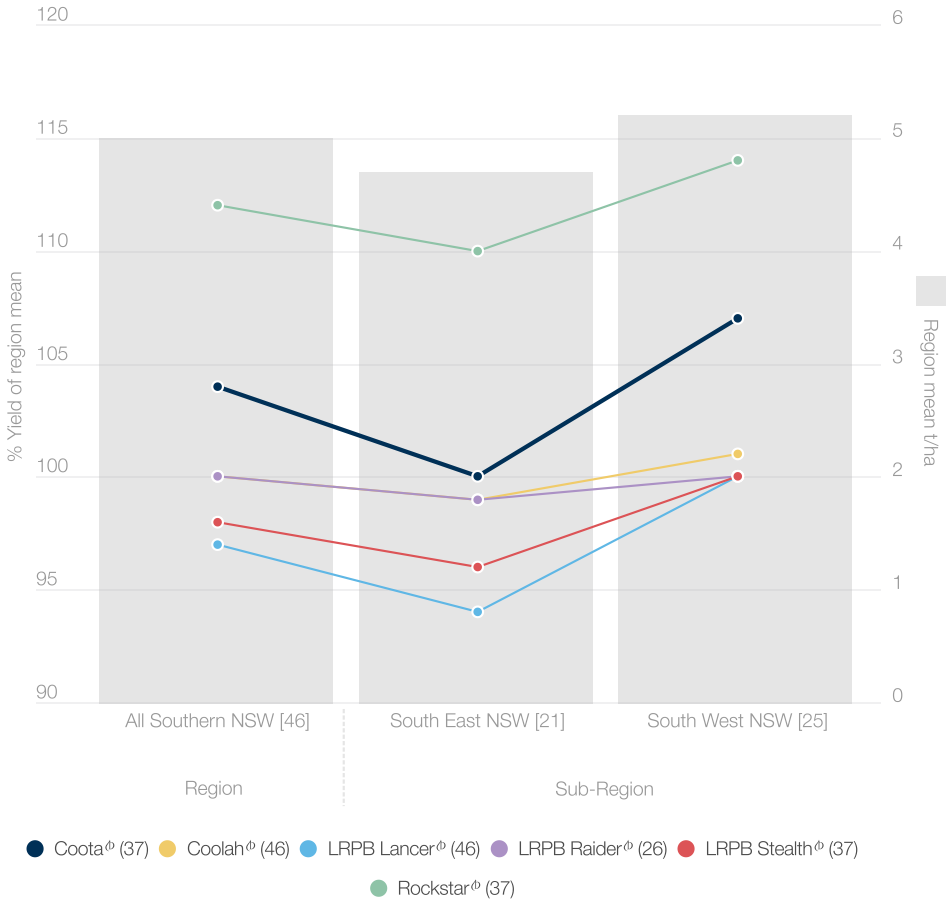


Source: AGT time of sowing trial, Collingullie, NSW 2021

## Grain yield

Coota<sup>ϕ</sup> performs best when sown in late April to early May (Figure 2). When sown in this window Coota<sup>ϕ</sup> has shown a yield improvement over similar maturing APH varieties such as LRPB Lancer<sup>ϕ</sup>, LRPB Stealth<sup>ϕ</sup>, Coolah<sup>ϕ</sup> and LRPB Raider<sup>ϕ</sup>, but behind Rockstar<sup>ϕ</sup>.

Figure 2. Grain yield of Coota<sup>ϕ</sup> across southern NSW



Source: NVT long term MET analysis, early sown trial series 2017-2021

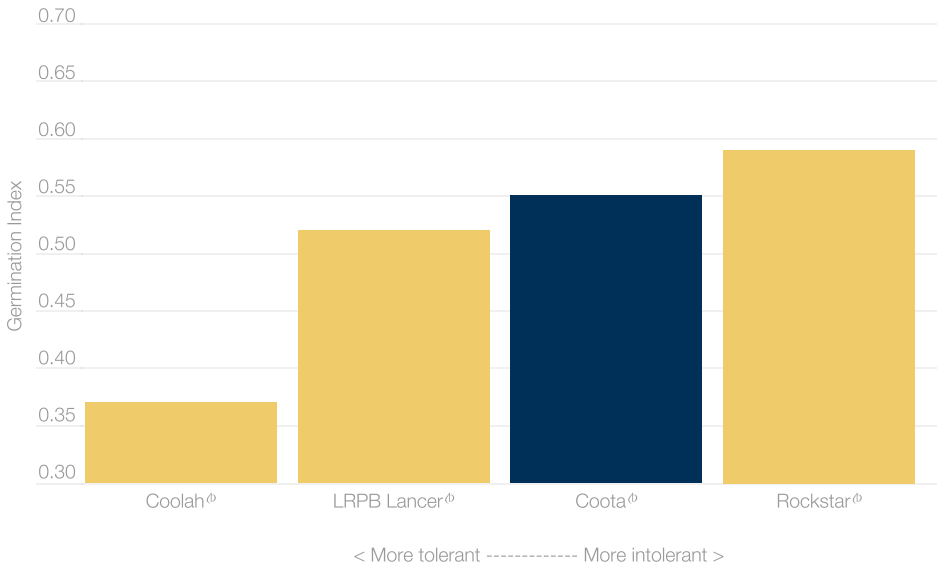
[ ] Total number of trials per region

( ) Number of trials that each variety was present in across the southern NSW dataset [46]

## Sprouting tolerance

In AGT Germination Index testing which evaluates varieties pre-harvest sprouting tolerance, Coota<sup>®</sup> has performed similarly to LRPB Lancer<sup>®</sup>, and better than Rockstar<sup>®</sup> (Figure 3).

Figure 3. Sprouting tolerance of Coota<sup>®</sup> versus comparators

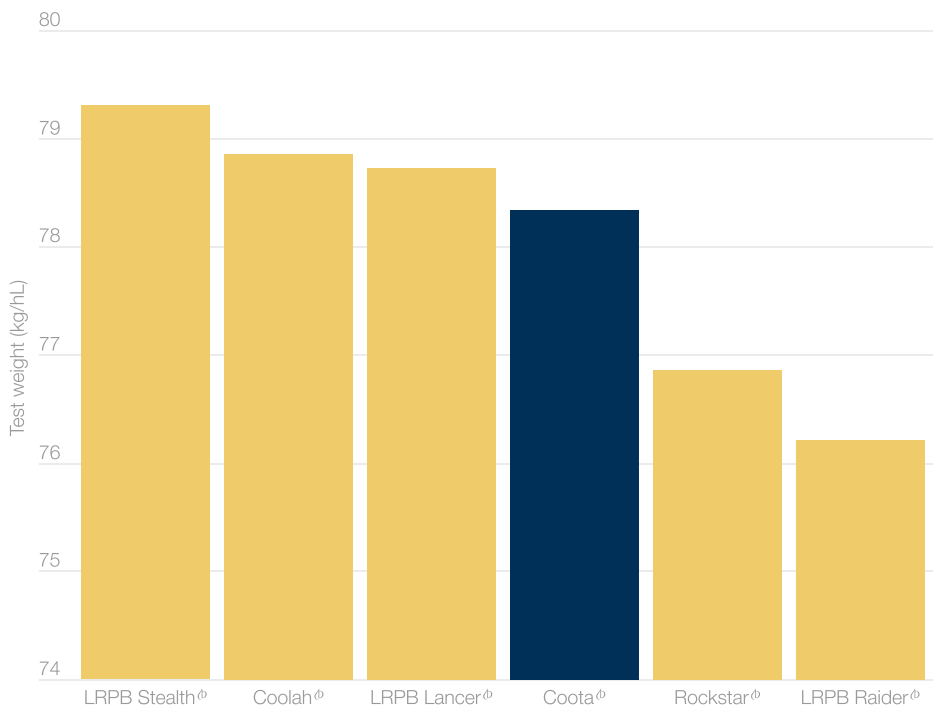


Source: AGT Germination Index trials (2016-20)

## Disease resistance & agronomics

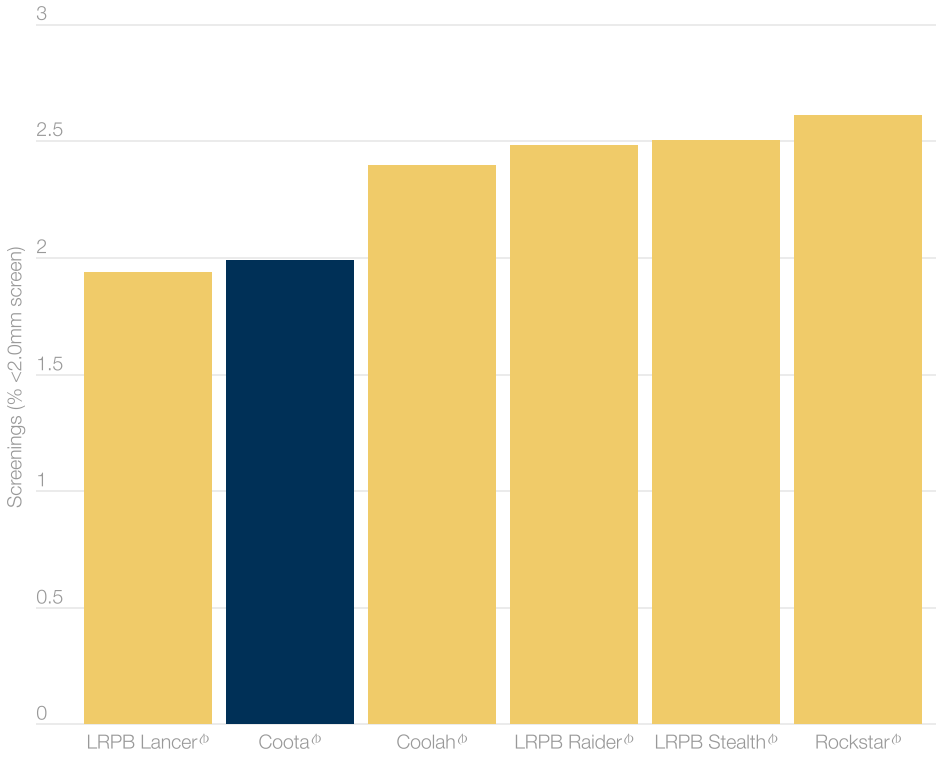
Coota<sup>®</sup> has an excellent grain quality package with APH quality, very low screenings, high test weights and black point resistance (Figures 4 & 5). Coota<sup>®</sup> is short in plant height and has excellent lodging resistance making it a reliable choice for irrigation (Table 1).

Figure 4. Test weight of Coota<sup>®</sup> versus comparators



Source: NVT early sown trials, southern NSW 2020-2021 (average of 26 sites)

Figure 5. Screenings of Coota<sup>®</sup> versus comparators



Source: NVT early sown trials, southern NSW 2020-2021 (average of 26 sites)



Table 1. Disease ratings for Coota<sup>o</sup> versus comparators

	Coota <sup>o</sup>	LRPB Lancer <sup>o</sup>	LRPB Stealth <sup>o</sup>	Coolah <sup>o</sup>	LRPB Raider <sup>o</sup>	Rockstar <sup>o</sup>
Quality Classification	APH	APH	APH	APH	APH	APH
Stem Rust	RMR	R	R	MR	R	MR
Stripe Rust	MS	RMR	RMR	MRMS	RMR	S
Leaf Rust	MS	RMR#	RMR#	RMR	R#	S
Yellow Leaf Spot	MSS	MRMS	MS	MSS	MSS	MRMS
CCN	MR	S	S	S	S	MSS
Septoria <i>tritici</i> Blotch	S	MS	MS	MSS	MSS	S
Black Point	MR	MRMS	RMR	S	MS	MSS
Crown Rot	MSS	MSS	S	MSS	S	S
Sprouting tolerance <sup>^</sup>	I	MII	MII	MII	MII	IVI

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

# May be more susceptible to alternate pathotypes

<sup>^</sup> Rating from AGT Germination Index trials

\* Provisional rating

Source: NVT consensus ratings 2021 & NSW DPI winter sowing guide 2022



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Disclaimer: 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.