

Sundancer[®]



- An ideal, higher yielding replacement for LRPB Lancer[®]
- Very high yielding, with excellent yield stability
- Suits late April/early May plantings
- Excellent rust resistance
- Moderate plant height with better straw strength than LRPB Lancer[®]
- Longer coleoptile than LRPB Lancer[®] and other early season varieties
- APH quality classification

Breeder's comments

For many years LRPB Lancer[®] has been a favoured variety for growers in NSW for sowing opportunities in the last week of April through to mid May. Not so much for its yield performance, but more for its yield stability, disease resistance, adaptability and short plant type. Sundancer[®] combines this dependability with substantial increases in grain yield.

Sundancer[®] has delivered excellent yield performance in AGT and NVT trials, delivering consistently higher yields compared with its main parent LRPB Lancer[®], and other LRPB Lancer[®] alternatives such as LRPB Stealth[®] and LRPB Raider[®].

Sundancer[®] provides a solid disease resistance package for growers, with strong stripe rust resistance; a very valuable trait in high disease pressure seasons like 2022.

Sundancer[®] is a mid-slow maturing variety suited to late April and early May sowing, with a maturity very similar to LRPB Lancer[®] in this planting window. When sown later into May, Sundancer[®] is slightly quicker to reach head emergence than LRPB Lancer[®].

Sundancer[®] is not quite as short as LRPB Lancer[®], but it has shown better straw strength. Sundancer[®] also has a longer coleoptile than LRPB Lancer[®] and other early season varieties.

We are proud to offer Sundancer[®] to growers, providing an exciting combination of elite yield, APH quality, robust disease resistance, good lodging tolerance and a longer coleoptile in a slower maturing variety.

Table 1. Specifications

Background

Tested as	SUN1161A
Released	2023
EPR rate	\$4.00/tonne + GST

Disease

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

Plant Characteristics

Maturity speed^	Mid-slow
Maturity habit^	Spring
Sowing window^	Early & Main
Novel herbicide tolerance^	None (conventional tolerance)
Head type^	Awned
Plant height^	Moderate
Coleoptile length^	Moderate
Lodging tolerance^	MTMI

Abiotic Stress

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

Grain Quality

Quality classification	APH
Grain colour	White
Screenings level^	Low
Test weight^	Moderate
Sprouting tolerance^o	I
Black Point resistance*	S

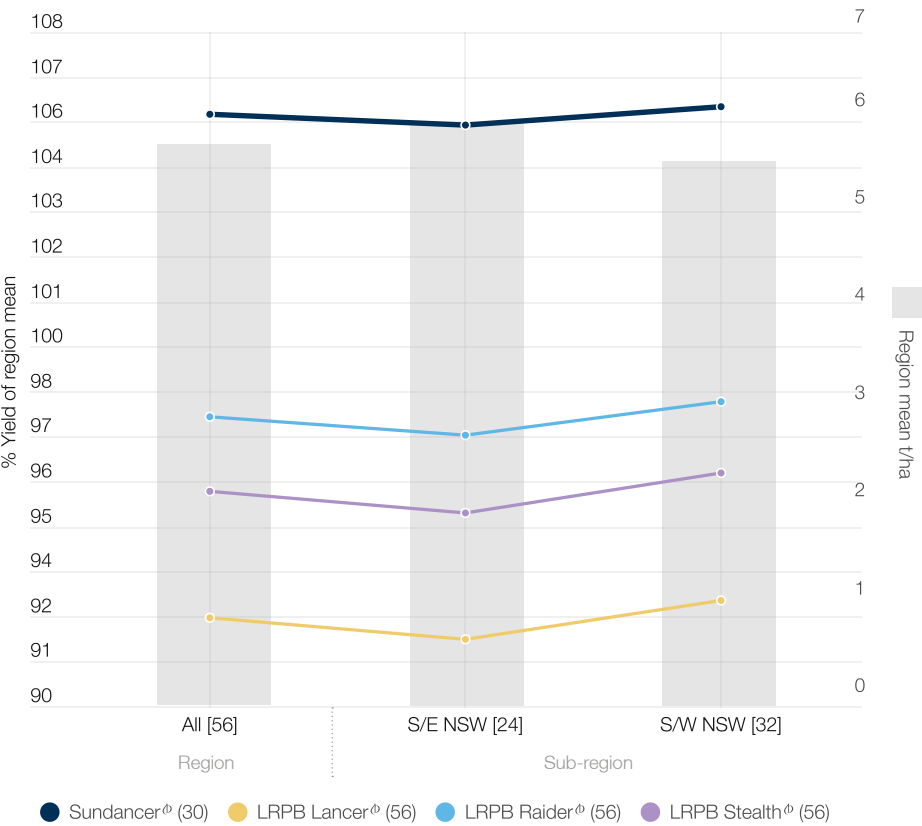
Legend

R	Resistant	VI	Very Intolerant	o	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

Sundancer[®] has demonstrated consistently high yields in early sown NVT trials across southern NSW, offering substantial yield gains over LRPB Lancer[®] and other mid-slow and slow maturing comparators LRPB Stealth[®] and LRPB Raider[®] (Figure 1).

Figure 1. Predicted grain yield of Sundancer[®] versus comparators across southern NSW



Source: NVT long term MET analysis, early sown trial series 2020-2024

[] : Total number of trials per region

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

Variety comparisons

Sundancer[®] has an APH quality classification in southern NSW, and produces grain with moderate levels of test weight and low screenings.

Sundancer[®] offers excellent levels of resistance to stem, stripe and leaf rust, similar to LRPB Lancer[®], LRPB Raider[®] and LRPB Stealth[®].

Table 2. Variety comparisons

		Sundancer [®]	LRPB Lancer [®]	LRPB Raider [®]	LRPB Stealth [®]
Disease	Stem Rust resistance*	MR	R	RMR	R
	Stripe Rust resistance*	MR	RMR	MR	RMR
	Leaf Rust resistance*	RMR	RMR	RMR	RMR
	Yellow Leaf Spot resistance*	MS	MS	MSS	MS
	Powdery Mildew resistance*	S	MR	S	MRMS
	Septoria Tritici Blotch resistance*	MSS	MSS	S	MSS
	CCN resistance*	MS	S	S	S
	Pratylenchus Neglectus resistance*	MSS	S	MSS	MSS
	Pratylenchus Neglectus tolerance*	MTMI (P)	MTMI	MT	MTMI
	Pratylenchus Thornei resistance*	MS	MS	MS	S
	Pratylenchus Thornei tolerance*	MTMI	TMT	TMT	MTMI
	Crown Rot resistance*	MSS	MSS	S	MSS
Plant Characteristics	Maturity speed^	Mid-slow	Mid-slow	Slow	Mid-slow
	Maturity habit^	Spring	Spring	Spring	Spring
	Sowing window^	Early & Main	Early & Main	Early & Main	Early & Main
	Novel herbicide tolerance^	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)	None (conventional tolerance)
	Head type^	Awned	Awned	Awned	Awned
	Plant height^	Moderate	Short to moderately short	Moderately short	NA
	Coleoptile length^	Moderate	Moderate	Short	NA
Abiotic Stress	Lodging tolerance^	MTMI	MTMI	MI	MII
	Boron tolerance^	Does not carry tolerance gene	Does not carry tolerance gene	Does not carry tolerance gene	Does not carry tolerance gene
	Acid/aluminium tolerance^	Does not carry tolerance gene	Does not carry tolerance gene	Does not carry tolerance gene	Does not carry tolerance gene
Grain Quality	Quality classification	APH	APH	APH	APH
	Grain colour	White	White	White	White
	Screenings level^	Low	Low	Moderate	Low
	Test weight^	Moderate	High	Very low	High
	Sprouting tolerance^o	I	MII	I	I
	Black Point resistance*	S	MRMS	MSS	MRMS



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

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

AGT End Point Royalty team: (08) 7111 0201

agtbreeding.com.au

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.