

Kiora[®]



- ✓ Best suited to medium-high rainfall environments and irrigation
- ✓ Mid-late season maturity
- ✓ High grain yield in this planting window
- ✓ APH quality classification
- ✓ Excellent tolerance to RLN (*P. thornei*)
- ✓ Good stem, stripe and leaf rust resistance
- ✓ Excellent lodging resistance

Breeders comments

With current research projects exploring and quantifying the benefits of early sowing it is imperative that growers match sowing dates with suitable varieties. Research outcomes suggest that utilising early sowing opportunities can lead to increased overall farm yield, but early sowing may increase the risk of damaging frost events.

As the scale of grain production systems continues to increase, completing sowing within the optimum sowing window becomes more difficult. Sowing varieties which differ in the time to flowering can be used as a risk management tool, allowing growers to adjust sowing date but still achieve an optimal flowering date.

With Kiora in their arsenal growers can be confident that planting from the 20th of April will maximise yield potential and reduce the risk of frost damage when compared to a shorter main season variety.

Kiora has an impressive disease package including resistance to stem, leaf and stripe rust, which are valuable traits in a longer season variety.

Kiora has good lodging resistance and is better suited to medium to high rainfall areas or irrigation as grain quality can potentially be affected in marginal areas.

Seed Availability

Commercial quantities of Kiora may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details.

Kiora is able to be traded between growers upon the completion of a License Agreement as part of AGTs Seed Sharing™ initiative.

PBR and EPR

Kiora is 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. Kiora growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$3.25/tonne + GST has to be paid on all production other than seed saved for planting.



Predicted yield of Kiora versus control varieties: Early sown NVT series
Grain yield as % of region average (NVT long term MET analysis 2012-2016)

	South East New South Wales	South West New South Wales
Kiora	104	106
Bolac	100	101
Cutlass	109	109
DS Pascal	100	103
EGA Gregory	100	100
Lancer	100	102
<i>Trial mean (t/ha)</i>	4.68	4.01

Disease, agronomic and grain quality ratings for Kiora and control varieties

	Kiora	Bolac	Cutlass	DS Pascal	EGA Gregory	Lancer
Stem Rust	RMR	MRMS	R	MSS	MR	R
Stripe Rust	RMR	RMR	MS	RMR	MR	MR
Leaf Rust	MRMS	S	R	MS	MR	RMR
Yellow Leaf Spot	MSS	MSS	MSS	MRMS	S	MS
RLN (<i>P. thornei</i>) Resistance	MRMS	MRMS	MSS	S	MSS	MS
RLN (<i>P. thornei</i>) Tolerance	MT	MI	MTMI	IVI	TMT	TMT
RLN (<i>P. neglectus</i>) Resistance	MSS	MSS	MS	MSS	MSS	S
RLN (<i>P. neglectus</i>) Tolerance	MTMI	MI	TMT	MI	MT	MTMI
Septoria Tritici Blotch	MSS	MS	MSS	MSS	MSS	MSS
Crown Rot	MS	S	MR	S	S	MSS
Acid Soil Tolerance	I	MI	MT	-	T	-
Maturity	Mid-Late	Mid-Late	Mid-Late	Mid-Late	Mid-Late	Mid-Late
Plant Height	Medium	Medium	Tall	Medium	Very Tall	Short
Lodging Resistance	MR	MR	MRMS	-	MS	MR
South Eastern Quality Classification	APH	APH	AH	APW	APH	APH
Sprouting Tolerance	S	S	S	-	S	S
Black Point Resistance	MS	MSS	MS	-	MSS	MRMS
Screenings Risk	High	Very High	Moderate	-	Moderate	Low
Test Weight	High	Moderate	Moderate	-	Moderate	High

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

* Classification pending
 ** AGT Rating
 # Preliminary ratings,
 to be used with caution

Source / NSW DPI Winter Crop
 Variety Sowing Guide 2017,
 NVT and AGT data.

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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.