

# LONGREACH MAJOR

LPB18-7203



## VARIETY ATTRIBUTES

High yielding mid slow maturity with a flexible mid season sowing window suitable for early to mid May seeding opportunities across Southern NSW.

In Victoria LRPB Major suits sowing in the seeding window prior to Scepter, which has been used widely by growers of Trojan and Rockstar.

Excellent disease package for SNSW/Vic production systems with good septoria tritici resistance, combined with a compact canopy to aid in stubble management.

Strong performance in yield trials on both acid and sodic soils.

LRPB Major has AH classification in both the South East (Sth NSW) and Southern (SA/VIC) classification zones. Classification for the Northern zone (Nth NSW/QLD) is expected prior to sowing in 2024.

## AGRONOMIC BACKGROUND

LRPB Major is a Beckom x LRPB Mustang cross made with the aim of developing a variety with strong acid and sodic soil tolerance that is well suited to NSW and Victoria.

LongReach field testing since 2018 suggests a flexible sowing window well suited for early to mid season sowing opportunities across Southern NSW and Victoria.

LRPB Major has a compact canopy similar to the Beckom parent with good standability. A good disease package with improved septoria and yellow leaf spot resistance makes LRPB Major a variety well suited to full stubble retention farming systems across Southern NSW and Victoria.

### DISEASE RESISTANCE

Stem Rust	MRMS
Leaf Rust	MR#
Stripe Rust East	MRMS
Yellow Leaf Spot	MS
Septoria Tritici Blotch	MSS
Crown Rot	MSSp
Powdery Mildew	MS

Longreach disease ratings have been compiled from LongReach disease screening data and from NVT disease ratings March 2024. Resistance ratings: VS=Very susceptible, S=Susceptible, MS=Moderately susceptible, MR=Moderately resistant, R=Resistant. Tolerance ratings: T=Tolerant, MT=Moderately tolerant, MI=Moderately intolerant, I=Intolerant, VI=Very intolerant. p=Preliminary data based on limited data set. #=may be more susceptible to alternative pathotypes.

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## YIELD PERFORMANCE

LRPB Major has demonstrated high yields across a range of seasons while under yield testing within the LongReach Plant Breeders field program since 2018. Consistently out yielding Beckom throughout the program by 2-3% it was first entered into early season NVT trials across Southern NSW and Victoria in 2022.

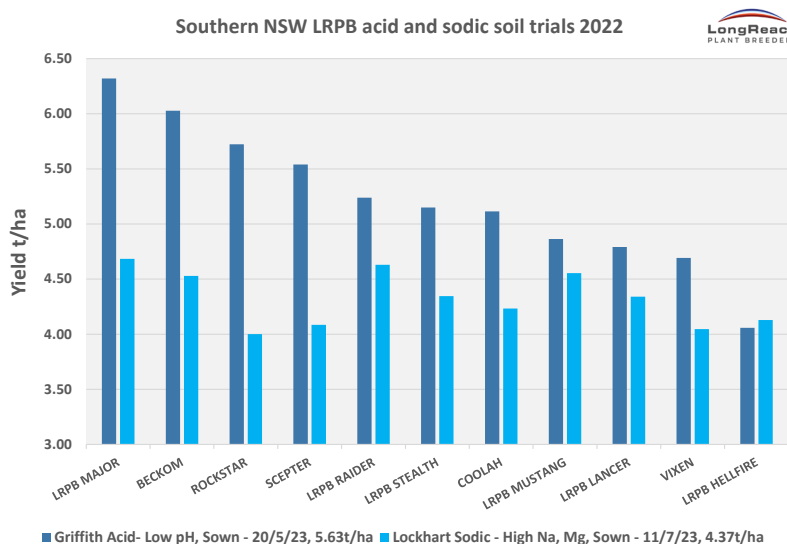
% Mean yield NVT early season MET analysis (2019-2023)							
Variety	Maturity	All Sth NSW	Sth East NSW	Sth West NSW	All VIC	North East Vic	South West Vic
RockStar	Mid	108.2%	106.4%	109.7%	109.6%	105.8%	112.1%
LRPB Major	Mid slow	106.1%	106.1%	106.0%	104.4%	106.1%	103.4%
Sunflex	Mid slow	101.3%	101.4%	101.2%	99.0%	100.0%	98.3%
Beckom	Quick mid	100.1%	98.5%	101.4%	99.7%	98.4%	100.5%
Coota	Mid slow	98.5%	96.0%	100.5%	98.1%	96.1%	99.5%
Coolah	Mid slow	97.9%	97.5%	98.2%	97.4%	98.0%	97.1%
Predicted mean yield (t/ha)		5.28	5.23	5.32	6.11	6.58	5.84
Trials in analysis		60	27	33	22	8	14

**NVT**

## ACID AND SODIC SOIL PERFORMANCE

In 2022 LongReach conducted additional trials across NSW looking at variety yield performance in both acidic and sodic soil conditions. In trials under both highly acidic and sodic conditions LRPB Major was proven to be one of the highest yielding varieties in the trials. These results back up previous years trials looking at performance under sodic soils across the state, lab abiotic testing, and genetic marker data confirming the presence of both aluminum and boron tolerance genes in the variety.

LRPB Major is available through our Associate Network for contact information please go to [www.pacificseeds.com.au](http://www.pacificseeds.com.au)



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