

LONGREACH MAJOR

LPB18-7203



New South Wales and
Victoria



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 the South East (SNSW), Southern (SA/VIC) and the Northern zones (Nth NSW/QLD).

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.

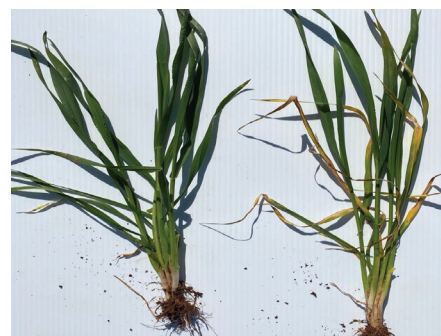
LRPB Major has a compact canopy similar to the Beckom parent with good standability. A good disease package with improved Septoria and Yellow leaf spot resistance makes LRPB Major a variety well suited to full stubble retention farming systems across Southern NSW and Victoria.

DISEASE RESISTANCE

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

Longreach disease ratings have been compiled from LongReach Disease Screening data and from NVT Disease Ratings March 2025. 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.

LONGREACH MAJOR



LRPB Major has improved Septoria resistance combined with decreased physiological yellowing over the Beckom parent.

YIELD PERFORMANCE

LRPB Major has demonstrated high yields across a range of seasons while under yield testing with- in the LongReach Plant Breeders field program since 2018, consistently out yielding Beckom and other comparable varieties by >2% . It was first entered into early season NVT trials across Southern NSW and Victoria in 2022 where it has demonstrated similar yield performance to that observed in the LRPB field program.

% Mean Yield NVT Early Season MET Analysis (2020-2024)							
Variety	Maturity	All Sth NSW	Sth East NSW	Sth West NSW	All Vic	North East Vic	South West Vic
Beckom	Mid Spring	98%	96%	100%	98%	96%	99%
Catapult	Mid Spring	99%	97%	100%	99%	98%	99%
Coota	Mid Spring	98%	96%	99%	97%	96%	97%
RockStar	Mid Spring	106%	104%	107%	106%	105%	107%
LRPB Major	Mid Slow Spring	105%	104%	105%	104%	104%	103%
Coolah	Mid Slow Spring	97%	97%	98%	98%	97%	98%
Sunflex	Slow Spring	101%	102%	101%	99%	103%	96%
Predicted Mean Yield (t/ha)		5.85	6.07	5.68	6.32	6.87	5.98
Trials in Analysis		56	24	32	21	8	13

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

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End Point Royalty (EPR) Each time a grower purchases seed of LongReach Major the grower agrees to comply with the Variety Licence and Royalty Agreement, including agreement to pay the EPR of \$4.00 per tonne (GST excl). EPR is payable on all grain production, except on seed retained by the grower for replanting by the grower. The majority of the EPR will be paid by Advanta Seeds to the Breeder (LongReach Plant Breeders) for investment in future wheat breeding programs.

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Southern NSW LRPB Acid and Sodic Soil Trials 2022

