



Dual Purpose Wheat

# LongReach Bale (Tested as LPB18-7946)

APW

## Description

LongReach Bale is an awnless wheat with an APW classification that provides growers with more options to manage seasonal risk in challenging paddocks. Bale has not been released to replace high yielding wheats in low-risk green zone areas and should be targeted at higher frost risk red zone areas where the yield loss with main season wheats makes them too volatile. Bale has steady biomass accumulation, medium-tall height and a slow spring maturity to hold back heading longer than most widely grown wheats to help avoid periods of high frost frequency. Bale suits medium to high rainfall cropping areas with maturity that is 3-7 days later than Cutlass/Yitpi. Importantly the maturity triggers include reasonable strength photoperiod genes that make Bale less temperature responsive and deliver a more consistent heading hold between seasons. Bale can target a steady yield and APW grain delivery if conditions suit grain harvest.

A Hay EPR has been added to the LongReach seed licence for the 2024 season to support Awnless Wheat variety development.

## Variety Background

The objective was to provide growers with real options for managing frost risk zones by ensuring different harvest strategies could be deployed in Spring as required. Dual purpose wheats need adequate grain yield and quality, suitable hay yield and quality and to be awnless to be accepted by many hay markets.

LongReach Bale was developed from pre-breeding germplasm produced by CSIRO in a Scout background that was distributed to breeding programs Dr Greg Rebetzki. The Mid North High Rainfall Zone research effort led by Agrilink's Mick Faulkner has identified the most promising selections for dual purpose Hay/Grain development from these novel Awnless wheats since 2017. Agrilink was contracted by AgriFutures Export Fodder Program (PRJ-011946) to assess the yield and quality of dual-purpose wheat varieties (including Bale) for suitability to the export fodder industry. Longreach acknowledges Agrilink and AgriFutures Export Fodder Program's contribution to the assessment of these varieties.

LongReach Bale has shown an acceptable hay yield and suitable quality over a number of years of testing.

South Australia and Victoria

## Attributes

Stem Rust	MRMS
Stripe Rust	MRMS
Leaf Rust	MSS
Yellow Spot	SVS
Septoria tritici	MSS
Cereal Cyst Nematode	R
Black point	S
Crown Rot	S
Powdery Mildew	MS
EPR Rate/MT (Grain)	\$3.50 (GST exc.)
EPR Rate/MT (Hay)	\$3.50 (GST exc.)
Farmer to farmer	Allowed
Classification	APW (SA & VIC)

LongReach disease ratings have been compiled from LongReach Disease Screening data and from NVT Disease Ratings (March 2024).

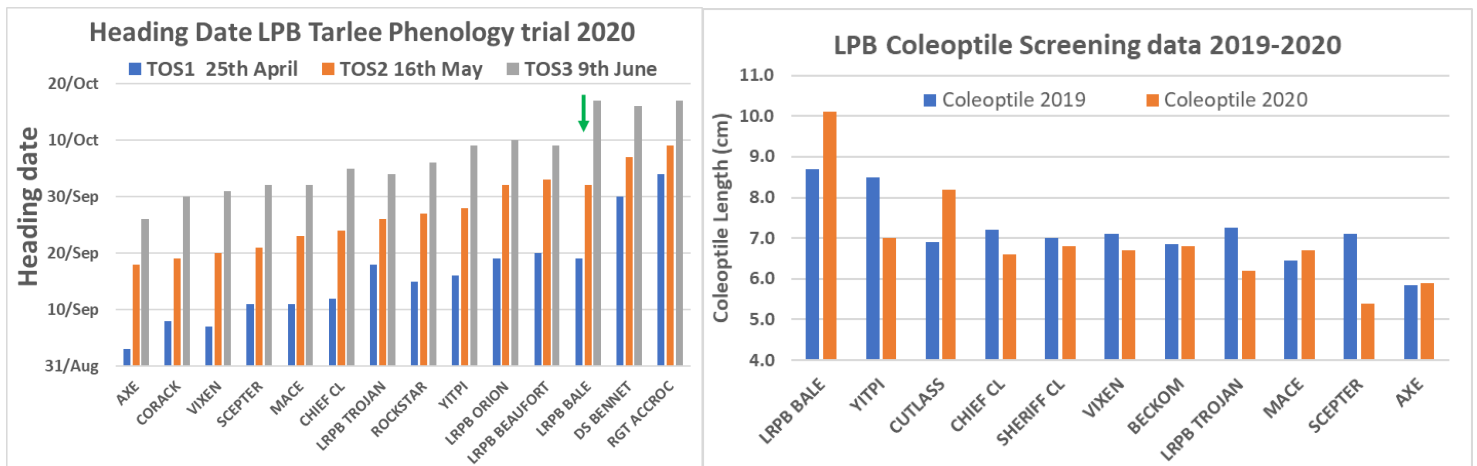


Cutlass (Mid-Slow) vs LRPB Bale (Slow) Minnipa 2021



## Agronomy

Disease ratings show similar rust resistance to many widely grown varieties and the presence of the Cre8 CCN resistance Bale has shown to be very susceptible (SVS) to Yellow Leaf Spot and should not be grown in wheat-on-wheat rotation phases for this reason. Bale also shows significant yellowing in cold winter conditions, especially when N stressed, and the addition of strobilurin fungicides that are known to enhance canopy greenness has shown some value in 2021. Later in Spring the upper canopy has shown it holds good leaf greenness with some lower leaf necrosis typical of Scout. Bale has shown useful Boron tolerance (MT) and Acid Tolerance (MTT). Has a much longer coleoptile than currently grown varieties which may prove useful at establishment when moisture is at depth.



Detailed LongReach Bale agronomy notes are available on the LongReach website.

A Hay EPR of \$3.50/MT (GST Exc.) has been implemented for the 2024 season to further develop Awnless dual purpose wheat varieties like LongReach Bale as per the standard LongReach Seed licence :

<https://www.longreachpb.com.au/royalties>



Dual Purpose Wheat



LongReach Bale Awnless APW Slow Spring Wheat is available from RH Verner & Co, Korunye SA: <https://rhverner.com.au/>.

LongReach Bale is also able to be grower to grower traded.

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