

Now Free to Trade

Please complete the grower sales declaration form - available from our Pacific Seeds Website

VARIETY ATTRIBUTES

A slow maturing Spring wheat with a unique set of maturity holds that allows it to be planted earlier in areas that don't suit the traditional winter wheat types

AH classification in South East Zone

High tiller number and semi prostrate early growth habit which may aid as part of an Integrated weed management solution

Medium tall in height with good standability in high production situations

DISEASE RESISTANCE

Stem Rust		RMR
Leaf Rust		MSS
Stripe Rust East		MR
Yellow Spot		MRMS
Septoria tritici		MSS
Crown Rot		MSS
Prat.thornei	Res	MS
Prat.thornei	Tol	I
Prat.neglectus	Res	MSS
Prat.neglectus	Tol	IVI
Black Point		MS

Resistance ratings: VS = Very Susceptible
S = Susceptible, MS=Moderately Susceptible
MR = Moderately Resistant, R = Resistant
Tol Rating - T = Tolerant, MT = Moderately Tolerant
MI = Moderately Intolerant, I = Intolerant
Data sourced NVT and LongReach Plant Breeders Feb 2021. p = Preliminary Data Based on limited data set

AGRONOMIC FEATURES

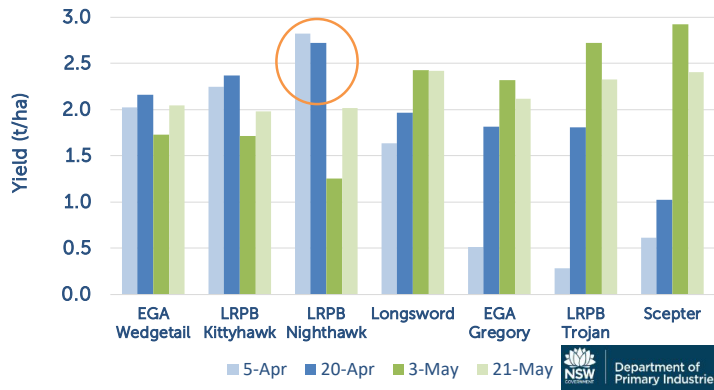
LongReach Plant Breeders phenology studies show that LRPB Nighthawk has the strong photoperiod controls of a "Very Slow Spring Wheat" this has been confirmed through the GRDC MESW project. LRPB Nighthawk has an early growth habit similar to dual purpose Winter wheats like LRPB Kittyhawk, but it can break the vegetative cycle earlier in Spring than LRPB Kittyhawk.

Existing slow developing spring wheat varieties, such as Cutlass and Yitpi, have photoperiod controls that are not strong enough for sowing prior to 20th of April without increased frost risk during the reproductive phase. In contrast winter wheats, like LRPB Kittyhawk, have strong vernalisation (cold weather) requirements to control heading that allow sowing earlier. These types typically suit later finishing environments with long grain filling periods. LRPB Nighthawk is an option that opens the seeding window earlier in main season environments to capitalise on early break years.

LRPB Nighthawk was first entered into NSW DPI and GRDC Time of Sowing trials in 2017. These trials have shown LRPB Nighthawk was slightly quicker to develop than the fast winter wheat (Longsword) and mid winter wheat (Kittyhawk) when sown in April but slower to develop when sown in May.

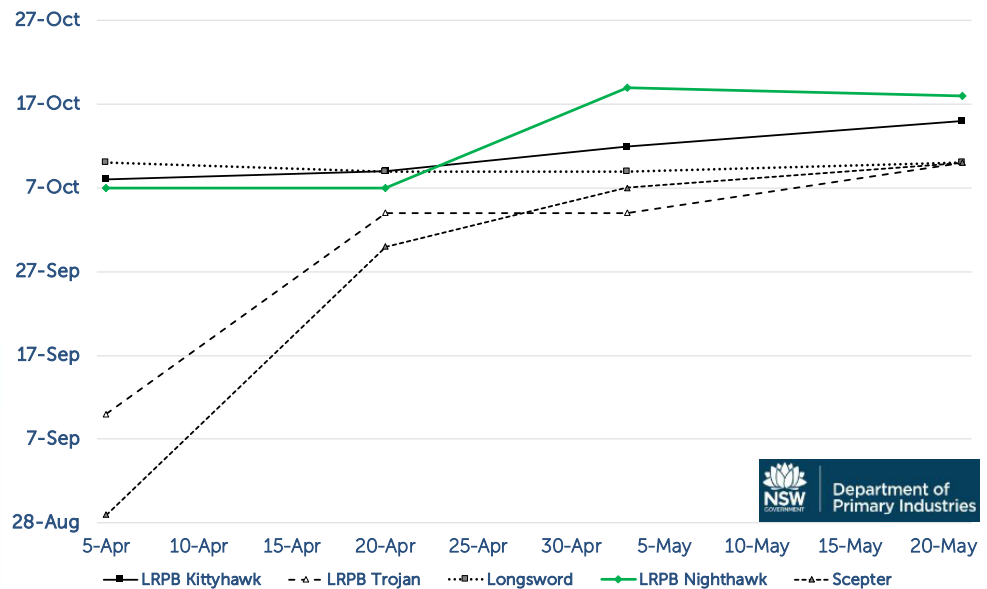
YIELD PERFORMANCE

NSW DPI Time Of Seeding trial Wagga 2018
LSD (Genotype x TOS) 0.49 t/ha



In these trials LRPB Nighthawk has shown its ability to match the yield of leading main season varieties sown early May when LRPB Nighthawk is sown in April.

Flowering Date (NSW DPI TOS Trial Wagga 2018)



PLANT BREEDERS RIGHTS

LongReach Nighthawk is protected by Plant Breeders Rights (PBR). In regard to propagating material (planting seed) of this variety, any unauthorised commercial production or reproduction, conditioning for propagation, offering for sale, sale, import, export or stocking of propagating material is an infringement under the Plant Breeders Rights Act 1994. Grower to grower trading of seed of LongReach Nighthawk is allowed.

End Point Royalty (EPR)

Each time a grower purchases seed of LongReach Nighthawk the grower agrees to comply with the Variety Licence and Royalty Agreement, including agreement to pay the EPR of \$4.25 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.

The information provided in this publication is intended as a guide only. Advanta Seeds Pty Ltd (including its officers, employees, contractors and agents) (Advanta Seeds) can not guarantee that every statement is without flaw of any kind. While Advanta Seeds has taken all due care to ensure that the information provided is accurate at the time of publication, various factors, including planting times and environmental conditions may alter the characteristics and performance from plants. Advanta Seeds shall not be liable for any errors or omissions in the information or for any loss, injury, damage or other consequence whatsoever that you or any person might incur as a result of your use of or reliance upon the products (whether Advanta Seeds products or otherwise) and information which appear in this publication. To the maximum extent permitted by law, the liability of Advanta Seeds for any claim whatsoever arising out of the supply or use of or reliance upon the products and information in this publication (including liability for breach of any condition or warranty implied by the Trade Practices Act 1974 or any other law) is limited at its discretion, to the replacement of the products, the supply of equivalent products or the resupply of the publication. For application to specific conditions, seek further advice from a local professional.

© Advanta Seeds 2020.