

VARIETY ATTRIBUTES

A high yielding dual purpose wheat variety suited to all areas that grow Wedgetail

Premium classification; APH (NSW/Qld) and AH (SA/Vic)

Slow maturity (long season) with three winter genes. Suited to early planting similar to Wedgetail

Improved disease resistance over Wedgetail especially for Stripe Rust (RMR) Stem Rust (MRMS) and Leaf Rust (MRMS)

Significant test weight (4-6Kg/Hl) improvement over Wedgetail and Illabo with a solid grain package

| DISEASE RESISTANCE | | |
|--------------------|-----|---------|
| Stem Rust | | MRMS(S) |
| Leaf Rust | | MRMS |
| Stripe Rust East | | RMR |
| Yellow Spot | | MRMS |
| Septoria tritici | | MRMS |
| Crown Rot | | SVS |
| Prat.thornei | Res | S |
| Prat.thornei | Tol | I |
| Prat.neglectus | Res | S |
| Prat.neglectus | Tol | MTMI |
| Black Point | | MRMS |

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

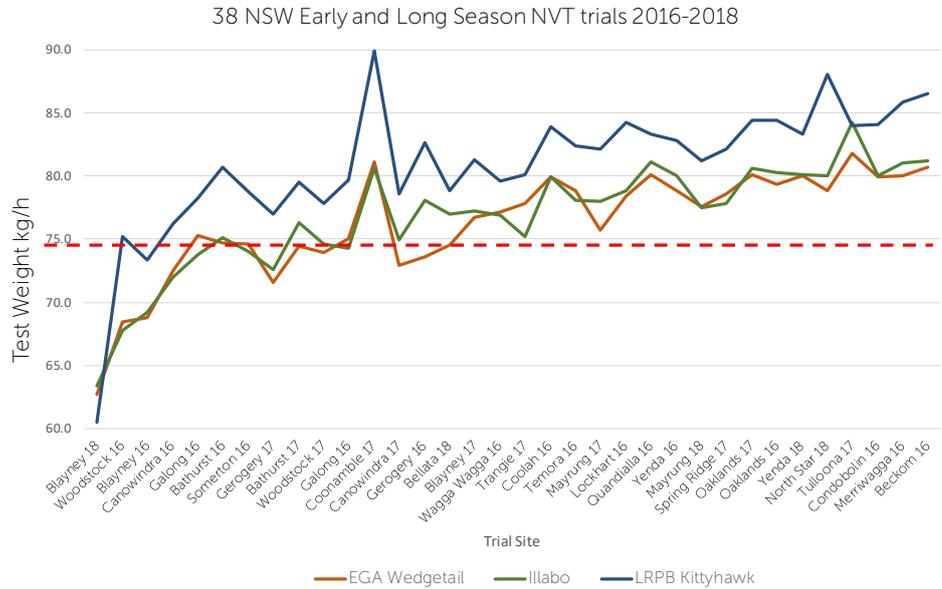
LRPB Kittyhawk has similar maturity holds to Wedgetail, controlled by 3 winter genes. The varieties typically head within a few days of each other. Compared to Wedgetail, LRPB Kittyhawk has been a few days quicker in warmer areas, while further South into Victoria and cooler areas it can be a few days slower. LRPB Kittyhawk has shown a similar yield to Wedgetail in Long Season NVT trials over the last 4 years.

The growth habit of LRPB Kittyhawk is similar to Wedgetail with strong tillering and a plant type that is similarly suited to grazing in the vegetative phase. Regrowth is more erect than Wedgetail with the leaf colour being a lighter green. LRPB Kittyhawk is medium height at maturity with improved standing ability over Wedgetail.

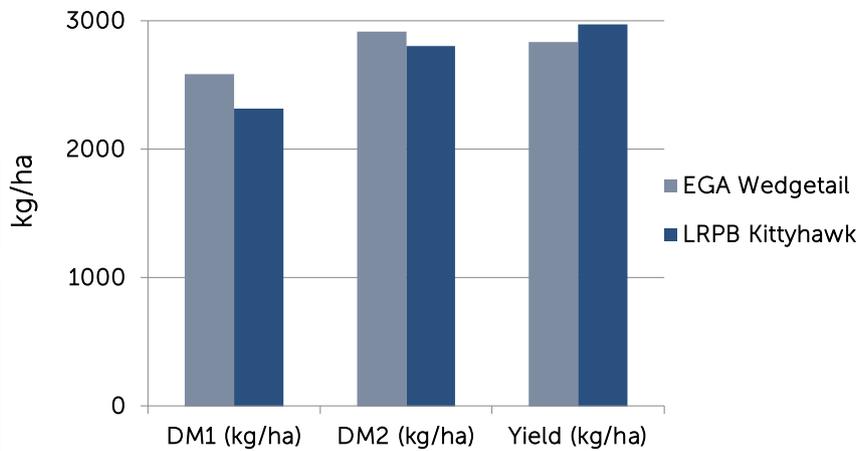
From a disease perspective LRPB Kittyhawk is a big improvement in Stripe Rust resistance (RMR) and has an overall improved disease package compared to Wedgetail. The grain package is also an improvement on Wedgetail with test weight being substantially higher, increasing the chance of meeting the higher delivery grades.

The segregating population LRPB Kittyhawk was selected from was initiated by the winter wheat breeding activities of the NSW DPI. It was reselected, yield tested and developed by LongReach Wheat breeding program.

YIELD PERFORMANCE



Average dry matter production and grain yield from 8 NSW DPI grazing trials; 2014 (5) and 2015 (3)



LRPB Kittyhawk has shown similar overall dry matter in grazing trials to Wedgetail. Importantly LRPB Kittyhawk has a similar growth habit and tillering capacity to Wedgetail to suit grazing in the vegetative phase

LongReach Kittyhawk 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 Kittyhawk 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.

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