



LPB11-0140

KEY FEATURES

- 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 with solid grain package.

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. When compared to Wedgetail, LRPB Kittyhawk has been a few days quicker in warmer areas, while further South into Victoria and in cooler areas LRPB Kittyhawk has tended to be a few days slower.

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 late in the season.

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 substantial 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.

DISEASE AND PEST RATINGS

Variety	Stem Rust	Leaf Rust	Stripe Rust Yr17+27+	Yellow Spot	Septoria tritici	Crown Rot	Prat. thornei Res.	Prat. thornei Tol.	Prat. neglectus Res	Prat. neglectus Tol.	Black Point
LRPB Kittyhawk	MRMS	MRMS	RMR	MS	MSS	Sp	S	MI-I	MSS	MIp	MRMS
EGA Wedgetail	MRMS	MS	MS	MSS	MSS	S	S	MI-I	S	MI-I	MS

Resistance rating: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant.

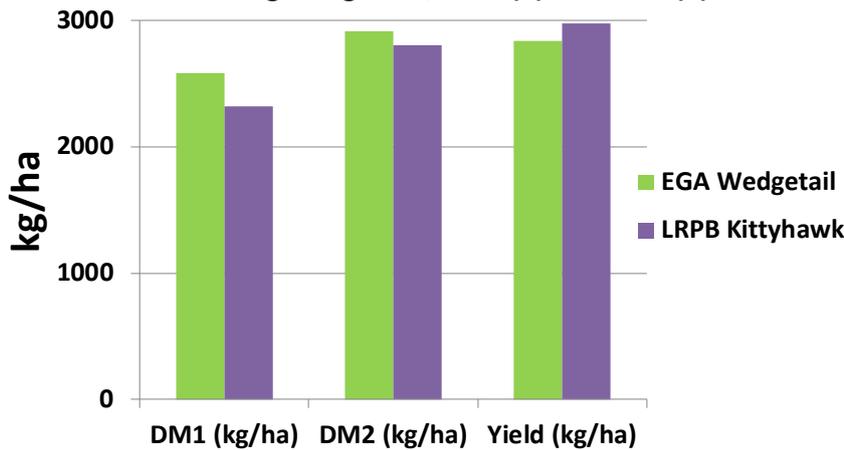
Tol Rating - T =Tolerant, MT=Moderately Tolerant, MI =Moderately Intolerant, I = Intolerant, VI =Very Intolerant. Data sourced NSW DPI NVT and LongReachPlant Breeders March 2016 p = Preliminary Data Based on limited data set

Long Season NVT Region Crop Type Trial ID	NSW N/E 2014 Wheat 1 Site		NSW N/E 2015 Wheat 2 Sites		NSW S/E 2014 Wheat 3 Sites		NSW S/E 2015 Wheat 5 Sites		NSW All Wheat 11 Sites	
	t/ha	%	t/ha	%	t/ha	%	t/ha	%	t/ha	%
LRPB Kittyhawk	4.95	113	3.89	112	3.66	111	5.19	105	4.52	108
EGA Wedgetail	4.08	93	3.60	104	3.52	107	5.01	101	4.26	102
Wylah	3.91	89	3.33	96	3.42	103	4.78	97	4.07	97
Site Mean (t/ha)	4.40		3.50		3.30		4.90		4.20	

LRPB Kittyhawk has shown a yield increase over Wedgetail with a similar overall dry matter in grazing trials. High and consistent yield performance in a long season planting window is one of the key attributes.



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



Parkes 2015 (30th April sown)
LRPB Kittyhawk LHS vs Wedgetail RHS (28-09-15)



Temora 2015 - 20th April sown
LRPB Kittyhawk vs Wedgetail vs Wylah

Associate Contact Details

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Australian Grain & Forage Smeaton, VIC Ph: 03 5345 6262	The Wimmera Grain Co Rupanyup, VIC Ph: 03 5385 5344				



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