

New South Wales & Queensland



NEW

KEY FEATURES

LPB12-0494

- Quick maturity for main season planting like Spitfire
- Yield increase of 6-12% over Spitfire
- APH quality in NSW and QLD to suit all main season growing areas
- Outstanding shorter canopy to make on farm management and stubble handling easier
- Excellent major gene Stripe rust resistance (RMR)
- Has coped well with Crown Rot (MSS) and RLN (MTMI) in tough seasons in the north

AGRONOMIC FEATURES

The cross (EGA Gregory/LPB1117) aimed to combine Gregory's broad adaption with the superior canopy of a high yielding breeding line. The end result has been a quick maturity APH wheat with a compact canopy to make management easier.

Mustang has consistently shown that maturity tracks similar heading times to Spitfire to suit main season planting. Plant vigour is typical of other APH varieties with Mustang being a conservative tillering variety that has an erect open canopy. Mustang has a compact plant type throughout the season that ends up similar in height to Lancer at maturity which has led to a significant improvement in lodging tolerance over the Gregory parent. Mustang has a sound grain package with a good grain size and has an APH classification throughout NSW and QLD

LongReach phenology trials have shown that LRPB Mustang :-

- Tracks very similar to Spitfire at all seeding times
- Is quicker than Suntop throughout the season
- Much quicker than Gregory with mid May sown Mustang hitting about the same growth stages as late April sown Gregory sown 2 weeks earlier
- Mustang has shown the ability to move faster when stress come to maximise yield



LRPB Mustang (LHS) vs Suntop (RHS) Junee NSW 2016

DISEASE RATINGS

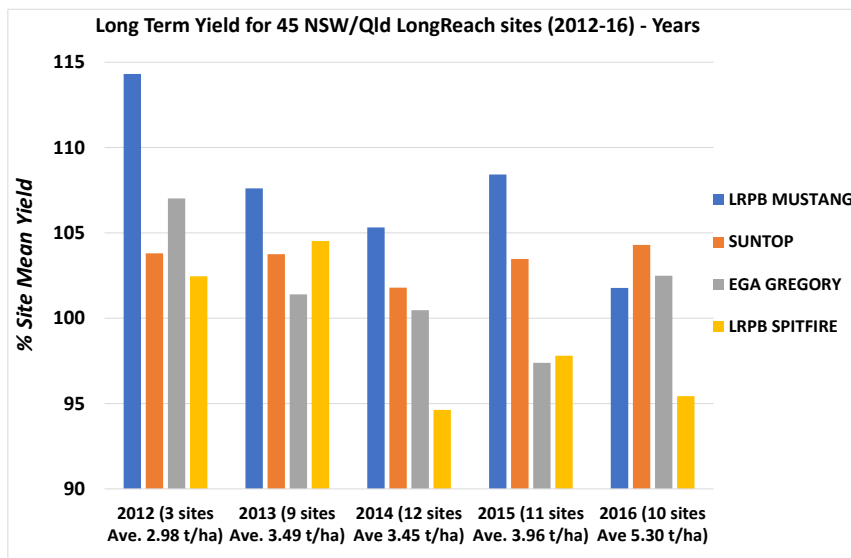
LRPB Mustang has excellent major gene resistance to Stripe Rust (RMR), good resistance to Stem Rust (MRMS) and moderate resistance to Leaf Rust (MS). LRPB Mustang has moderate Yellow Spot (MSS) resistance and Black Point (MSP) which is an improvement over Gregory. Crown Rot Screening over the last 3 years has consistently shown Mustang to have useful Crown Rot resistance (MSSp). Mustang has also shown good RLN (P.thornei) tolerance (MT-MI) that looks at least equal to Spitfire (MT-MI).

Variety	Stem Rust	Leaf Rust	Stripe Rust Yr17+27+	Yellow Spot	Septoria tritici	Crown Rot	Prat. thornei Tol.	Black Point
LRPB Mustang	MRMS	MS	RMR	MSS	MSSp	MSSp	MT-MI	MSP

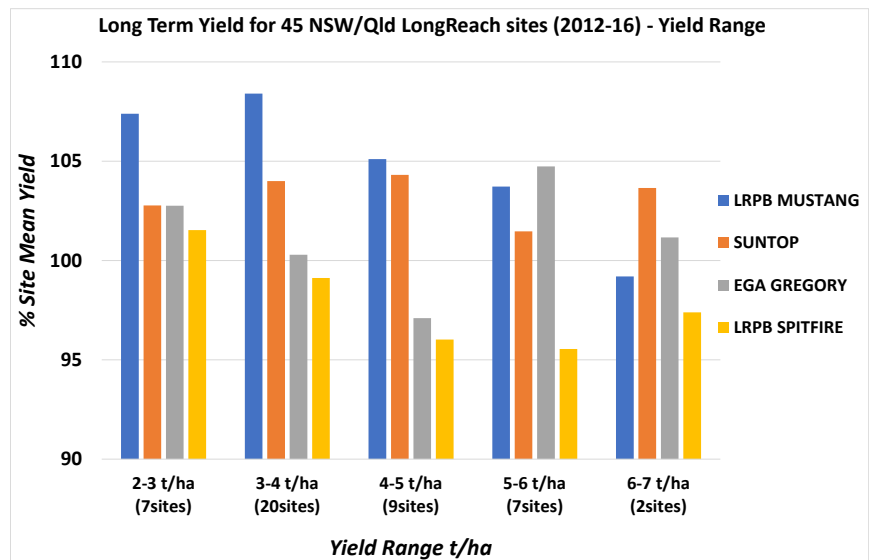
Resistance rating: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant.
Tol Rating - T=Tolerant, MT=Moderately Tolerant, MI=Moderately Intolerant, I=Intolerant, VI=Very Intolerant.
Data sourced NVT and LongReachPlant Breeders 2017. p = Preliminary Data Based on limited data set



YIELD PERFORMANCE



LRPB Mustang consistently out yielded the most widely grown APH varieties from 2012-15 in LongReach trials. Average yield improvement (2012-16) compared to Suntop (2%), Gregory (5%) and Spitfire (8%) all show a significant upside for Mustang. As would be expected with a quicker maturity wheat the highest yield improvement is in the <4t/ha trial groupings.



New South Wales

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