

LongReach

MUSTANG

New South Wales & Queensland

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VARIETY ATTRIBUTES

Quick maturity for main season planting like Spitfire

Has shown an average yield increase over Spitfire of 11% in 61 LongReach QLD/NSW trials over 7 years

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 shorter canopy to make management easier.

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. 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. Mustang has shown the ability to move faster when stress comes to maximise yield.

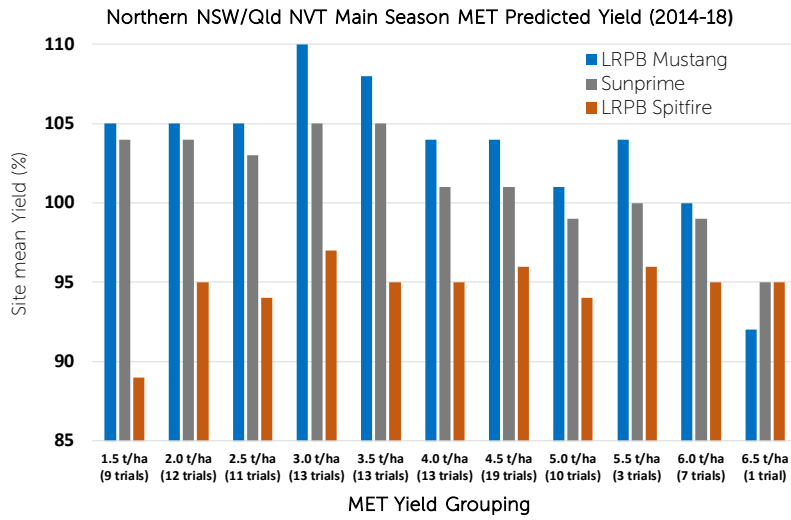
LRPB Mustang has excellent major gene resistance to Stripe Rust (RMR) and good resistance to Stem Rust (MRMS). Mustang has moderate Yellow Spot resistance (MSS) and Black Point resistance (MS) which is an improvement over Gregory. Crown Rot Screening over the last 3 years has consistently shown Mustang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

DISEASE RESISTANCE

Stem Rust		MRMS
Leaf Rust		MSS
Stripe Rust East		RMR
Yellow Spot		MSS
Septoria tritici		S
Crown Rot		MSS
Prat.thornei	Res	MSS
Prat.thornei	Tol	MTMI
Prat.neglectus	Res	S
Prat.neglectus	Tol	MI
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
2020. p = Preliminary Data Based on limited data set

YIELD PERFORMANCE



LRPB Mustang has consistently out yielded the most widely grown APH varieties in LongReach trials. When Mustang is compared to other quick varieties in NVT trials the data shows Mustang delivers a step up in yield to match the best mid-season varieties like Reliant.

Qld NVT Main Season MET Yield (2014-18)					
Year	2014	2015	2016	2017	2018
Mean Yield t/ha	2.59	3.68	4.32	2.19	2.26
Variety / Trial No.	11	14	15	14	6
LRPB Mustang			100	105	105
LRPB Reliant	110	111	106	109	110
Suntop	105	106	105	107	103
Sunprime				104	103
Hartog	99	100	98	98	101
Livingston	95	100	96	98	97
LRPB Spitfire	94	96	94	94	95
LRPB Crusader	92	95	95	89	93
LRPB Dart	83	90	88	86	86

NSW NVT Main Season MET Yield (2014-18)					
Year	2014	2015	2016	2017	2018
Mean Yield t/ha	4.04	3.83	5.4	3.82	2.77
Variety / Trial No.	24	24	25	14	11
LRPB Mustang			100	106	103
Condo	107	107	101	103	100
LRPB Reliant	103	103	98	104	102
Sunprime				104	103
Suntop	102	103	99	104	100
Livingston	98	100	92	98	95
LRPB Spitfire	95	97	92	95	94
LRPB Crusader	95	97	90	91	91
LRPB Dart	94	96	88	92	93

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