

VARIETY ATTRIBUTES

The highest yielding Prime Hard variety in Main Season NVT trials in Northern NSW and Queensland

APH (NNSW/QLD) and AH (SNSW) with similar planting window to Suntop

Has a reliable grain package with good grain size and test weight, as well as showing lower screenings than Suntop

A double haploid variety developed from a Crusader/Gregory cross that has Gregory's tillering and Crusader's tightly packed heads

Good resistance to Stem Rust (R) and Leaf Rust (RMR); has Adult Plant Resistance to Stripe Rust (MR)

AGRONOMIC FEATURES

Reliant has shown a broad adaptation to NSW and Queensland. Yield performance is best when planted in the main season window based on its mid-season maturity. Reliant has shown it can consistently out yield Suntop and has been the highest yielding APH variety in Queensland and Northern NSW Main Season NVT trials. Long term yield data shows it is particularly well adapted in low to medium (1-4 t/ha) yielding environments but is not recommended as an irrigated variety.

Reliant is a mix of its parents being shorter than Gregory and taller than Crusader. It has good early vigour and tillers strongly like Gregory. At maturity it has an open plant architecture with spread tillering habit and has tightly packed heads like Crusader. Lodging tolerance is better than Gregory but not as good as Crusader.

Reliant has good test weight, similar to its parents Gregory and Crusader. It has consistently delivered lower screenings than Suntop in the main season NVT trials. Grain protein is similar to other dominant yielding varieties.

Reliant has Adult Plant Resistance to Stripe Rust (MR) which is an improvement on the Crusader parent, but it still may require some fungicide support in high pressure situations.

DISEASE RESISTANCE

Stem Rust		R
Leaf Rust		RMR
Stripe Rust East		MR
Yellow Spot		S
Septoria tritici		S
Crown Rot		MS
Prat.thornei	Res	MSS
Prat.thornei	Tol	TMT
Prat.neglectus	Res	SVS
Prat.neglectus	Tol	MTMI
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

Qld NVT Main Season Long Term MET Yield (2014-18)					
Variety	2014	2015	2016	2017	2018
	2.59	3.68	4.32	2.19	2.26
	11	14	15	14	6
LRPB Reliant	110	111	106	109	110
LRPB Flanker	111	105	107	105	107
Suntop	105	106	105	107	103
LRPB Mustang			100	105	105
Sunprime				104	103
EGA Gregory	106	99	101	98	102
Hartog	99	100	98	98	101
LRPB Spitfire	94	96	94	94	95

Northern NSW NVT Main Season Long Term MET Yield (2014-18)					
Variety	2014	2015	2016	2017	2018
	3.95	3.56	5	2.51	1.78
	11	12	13	9	6
LRPB Reliant	108	109	101	109	104
LRPB Mustang			99	112	104
LRPB Flanker	104	103	105	101	106
Suntop	103	104	102	106	100
Sunprime				108	103
EGA Gregory	99	98	100	96	103
LRPB Crusader	101	99	93	93	88
LRPB Spitfire	97	97	93	96	91

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