

New South Wales & Queensland



KEY FEATURES

LPB10-2506

- A consistently high yielding mid-season maturity variety, suited to NSW and Queensland
- APH (NNSW/Qld) and AH (SNSW) with similar planting window to Suntop
- The highest yielding Prime Hard variety in Main Season NVT trials in Northern NSW and Queensland in 2014 and 2015.
- Has a reliable grain package with good grain size and test weight, as well as showing lower screenings than Suntop.
- Is resistant to Stem Rust (R) and Leaf Rust (MR); has Adult Plant resistance to Stripe rust (MRMS)
- A double haploid variety developed from a Crusader/Gregory cross that has Gregory's tillering and Crusaders tightly packed heads

AGRONOMIC FEATURES

Reliant has shown a broad adaptation to the 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 is resistant to Stem Rust (R) and Leaf Rust (MR). Reliant has Adult Plant Resistance to Stripe Rust (MRMS) which is an improvement on the Crusader parent, but it still may require some fungicide support in high pressure situations. Reliant is moderately susceptible to Yellow Leaf Spot (MSS), but shows improvement for Crown Rot (MSS) over Gregory. Reliant has strong RLN (*P. thornei*) tolerance (T-MT) with similar RLN resistance to its parents (MSS).

DISEASE AND PEST RATINGS

Variety	Stem Rust	Leaf Rust	Stripe Rust Yr 17+27+	Yellow Spot	Septoria tritici	Crown Rot	Prat. thornei Res.	Prat. thornei Tol.	Prat. neglectus Res	Prat. neglectus Tol.	Black Point
LRPB Reliant	R	MR	MRMS	MSS	S	MSS	MSS	T-MT	S	MI	MS

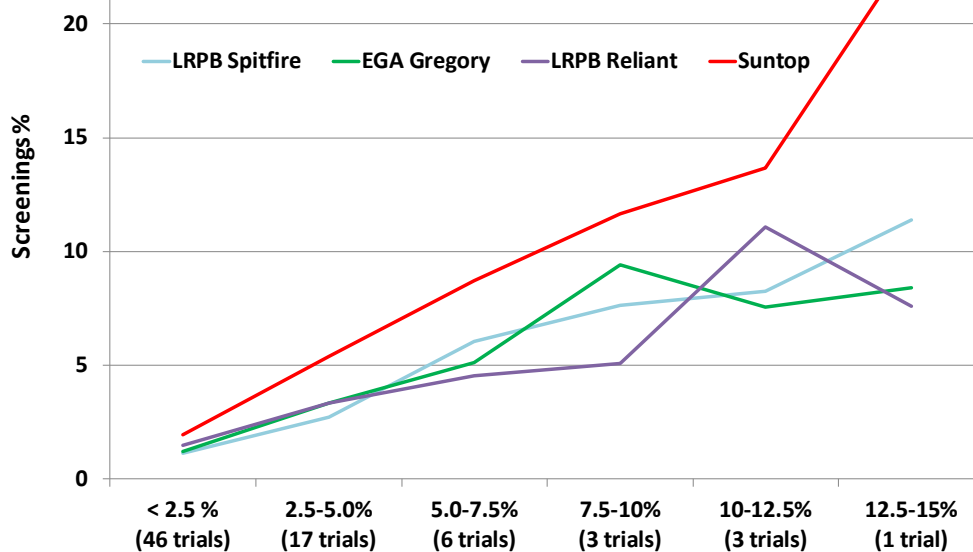
Resistance rating: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant.

Tol Rating - T=Tolerant, MT=Moderately Tolerant, MI=Moderately Intolerant, I=Intolerant, VI=Very Intolerant. Data sourced NVT and LongReachPlant Breeders 2017. p = Preliminary Data Based on limited data set



2014/15 Main Season NVT trials screenings for NSW/Qld

(Average of all sites within a range - number of sites in brackets)



QLD Main Season Long Term MET Yield (2012-16)						
Year		2012	2013	2014	2015	2016
Mean Yield t/ha		3.39	3.00	2.58	3.62	4.34
Variety	Trial No.	13	11	11	14	15
LRPB Reliant	40			115	114	110
LRPB Flanker	40			117	108	111
Suntop	64	107	107	106	109	106
EGA Gregory	64	103	101	111	101	105
Hartog	64	98	103	99	101	101
LRPB Gauntlet	60	100	99	98	100	96
LRPB Spitfire	64	96	100	98	99	97
LRPB Crusader	64	94	100	93	98	97
Kennedy	64	93	98	94	95	98

Northern NSW Main Season Long Term MET Yield (2012-16)						
Year		2012	2013	2014	2015	2016
Mean Yield t/ha		2.91	2.78	3.65	3.55	5.06
Variety	Trial No.	11	12	12	11	13
LRPB Reliant	36			105	111	103
Suntop	59	110	110	105	106	102
LRPB Flanker	36			99	105	107
Livingston	59	100	107	105	102	96
EGA Gregory	59	104	100	95	99	104
LRPB Gauntlet	59	100	98	99	98	99
LRPB Crusader	59	92	101	104	102	94
LRPB Spitfire	59	95	104	102	99	93
Sunvale	59	95	94	93	92	96

Reliant was first entered into NVT in 2014, yield data reflects 3years (2014-2016)

New South Wales

Agrigrain Narromine, NSW Ph: 02 6889 2200	Auswest Seeds Moree, NSW Ph: 02 6751 1209	Auswest Seeds Forbes, NSW Ph: 02 6852 1500	Hart Bros. Seeds Junee, NSW Ph: 02 6924 7206	Superior Seed Co Deniliquin, NSW Ph: 03 5881 6689	Baker Seed Company Rutherglen, VIC Ph: 02 6032 9484
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Queensland

PB Agrifood Toowoomba, QLD Ph: 07 4633 5555	Woods Seeds Pty Ltd Goondiwindi, QLD Ph: 07 4670 0400	Galleon Grains Pty Ltd Springsure, QLD Ph: 07 4984 6141	Associated Grain Dalby, QLD Ph: 07 4669 9500
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