

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 (RMR); has Adult Plant resistance to Stripe rust (MRMS)
- A double haploid variety developed from a Crusader/EGA 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 EGA Gregory but not as good as Crusader. Reliant has good test weight; similar to its parents EGA 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 (RMR). 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 (MS-S preliminary) over Gregory. Reliant has strong RLN (*P. thornei*) tolerance (T) with similar RLN resistance to its parents (MSS preliminary).

DISEASE AND PEST RATINGS

Variety	Stem Rust	Leaf Rust	Stripe Rust Yr17+27+	Yellow Spot	Septoria tritici SA	Crown Rot	Prat. thornei Res.	Prat. thornei Tol.	Prat. neglectus Res	Prat. neglectus Tol.	Black Point
LRPB Reliant	R	RMR	MRMS	MSS	S	MSS	MSS	T	S		MSS

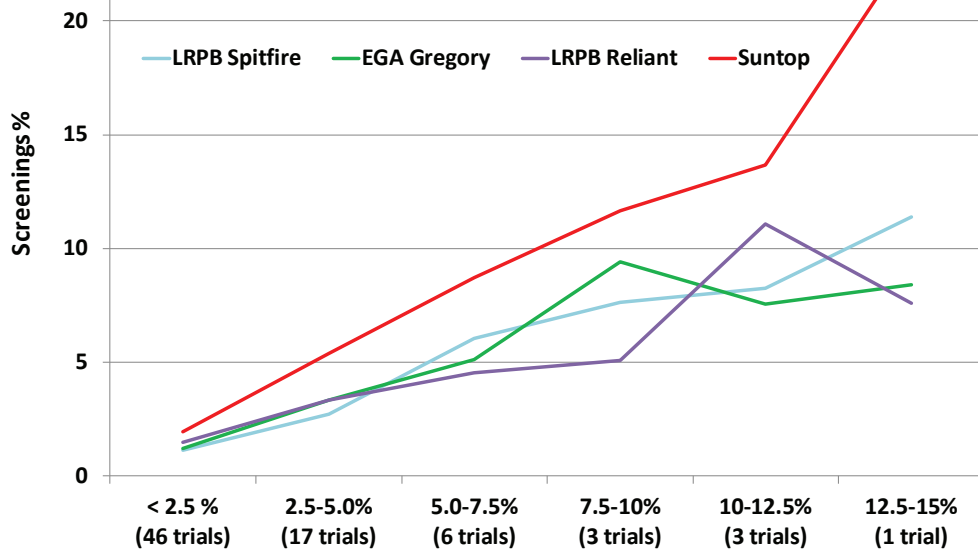
Resistance rating: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant.

Tol Rating - T =Tolerant, MT=Moderately Tolerant, MI =Moderately Intolerant, I = Intolerant, VI =Very Intolerant. Data sourced NVT and LongReachPlant Breeders 2016. 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)



Longterm NVT MET predicted yields for NSW and Qld Main Season trials (2011-15)

	Queensland			Nthn NSW		Sthn NSW	
	CQ	SEQ	SWQ	N/E	N/W	S/E	S/W
VarietyName	%SMY	%SMY	%SMY	%SMY	%SMY	%SMY	%SMY
LRPB Reliant	109	112	113	108	112	106	101
LRPB Flanker	111	109	111	107	110	105	101
Suntop	104	107	109	106	107	105	106
EGA Gregory	105	102	104	103	104	103	99
Livingston	95	101	102	103	102	99	98
Hartog	103	101	100				
LRPB Spitfire	100	99	101	101	98	95	97
Baxter	101	104	99	93	95		
Sunvale			96	96	95	95	93
LRPB Crusader	96	98	96	98	96	94	92
Mean Yield (t/ha)	3.35	4.06	2.87	3.76	2.97	4.09	3.45

“High yield and reliability that delivers”

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 June, 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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