

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 Feb 2021. p = Preliminary Data Based on limited data set

Toughness and Reliability that Delivers

TECHNOTE
2021

WHEAT

Northern Early Season NVT MET Analysis 2016-2020							
	Maturity	All Northern	CQ	SWQ	SEQ	NE NSW	NW NSW
EGA Gregory	Mid Spring	104.6	113.3	105.3	102.0	101.2	101.9
LRPB Flanker	Mid Spring	108.2	121.0	108.1	104.2	103.6	104.9
LRPB Lancer	Mid Slow Spring	103.3	110.8	100.9	98.1	101.9	103.2
LRPB Reliant	Mid Spring	107.8	117.4	108.1	105.3	103.8	105.3
LRPB Stealth	Mid Slow Spring	107.5	118.4	107.2	103.6	103.4	105.1
Sunmax	Slow-V.Slow Spring	100.1	88.0	103.5	109.9	101.8	100.7
Suntime	Slow Spring	102.5	101.9	102.7	103.6	102.1	102.7
Average Predicted Yield t/ha		3.12	2.83	2.79	3.38	3.69	3.17
Trials Included in Analysis		94	19	24	8	18	25

Northern Main Season NVT MET Analysis 2016-2020							
	Maturity	All Northern	CQ	SWQ	SEQ	NE NSW	NW NSW
EGA Gregory	Mid Spring	99.2	98.4	100.3	97.0	99.7	99.0
LRPB Reliant	Mid Spring	103.6	102.3	106.8	102.1	103.0	102.8
LRPB Flanker	Mid Spring	102.0	102.6	103.3	99.5	101.6	101.6
Coolah	Mid Spring	102.8	99.1	103.3	100.8	104.5	104.3
Sunchaser	Mid Spring	101.5	99.7	102.1	102.2	102.0	101.7
Suntop	Mid Spring	102.4	101.1	104.7	103.4	101.7	101.9
LRPB Hellfire	Quick-Mid Spring	105.7	104.9	107.0	104.5	105.0	106.1
LRPB Spitfire	Quick-Mid Spring	93.5	95.4	92.1	96.5	93.2	92.5
LRPB Mustang	Quick Spring	100.7	96.8	101.8	99.8	101.4	102.5
Sunprime	Quick-Mid Spring	100.0	100.1	99.3	101.0	100.6	99.6
Average Predicted Yield (t/ha)		3.22	3.38	3.69	3.34	3.14	2.77
Trials in Analysis		107	8	22	27	22	28

LongReach Reliant is available through our Associate Network, for contact information please go to www.pacificseeds.com.au



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