

**NEW****Southern NSW & Victoria***trialled as LPB06-1186***KEY FEATURES**

- Sister line to Spitfire
- A high yielding early-mid season line suited to Southern NSW and north east and north central Victoria
- Australian Hard (AH) classification in Southern NSW with potential upgrade in VIC
- Stripe rust resistance based on APR (MR)
- Crown rot rating (MS) which is just below the benchmarks of Sunco and EGA Wylie
- Good yield potential under extreme RLN
- Market leading grain package with large grain size, excellent test weight and low screenings

**BREEDING** Pedigree: Drysdale/Kukri

Merlin (LPB06-1186) was bred by LongReach Plant Breeders, and has been extensively evaluated by the LongReach Plant Breeders technical team led by Dr Bertus Jacobs. The line was first entered into the National Variety Trials in 2008.

**AGRONOMIC FEATURES**

Merlin is suited to main season planting windows with early to mid season maturity similar to Crusader and Livingston in Southern NSW.

Merlin has large grain size, similar to Ellison, larger than Ventura and substantially better than Lincoln and Livingston

Merlin also has excellent test weight, being one of the varieties with the highest TWT in NVT trials combined with acceptable screenings in over 45 trials during the past two years and is performing similarly to reliable established varieties such as EGA Gregory and is an improvement over Ventura and Ellison.

Table 2. Disease and Pest Resistance Ratings: Merlin and commercial varieties.

Variety	Disease Ratings							Pest Reaction	
	Stem Rust	Leaf Rust	Stripe Rust	Stripe Rust	<i>Septoria tritici</i>	Crown Rot	Yellow Spot	RLN ( <i>Pthoraei</i> )	
			WA/Jackie	WA + Yr17 pt				Res	Tol
Carinya	R-MR	R	R	MR-MS	MR-MS	S-VS N	S	VS	MI-I
Ellison	MR	R	R	MS	MS-S	S-VS N	MR-MS	S	I-VI
Lang	R	MR-MS	MS	MS	MS	MS-S N	MS-S	S-VS	I
Livingston	MR-MS	R	R	MR-MS	S	S-VS N	MS	MR-MS	MT-MI
<b>Merlin</b>	<b>MR</b>	<b>MR-MS*</b>	<b>R</b>	<b>MR</b>	<b>S*</b>	<b>MS*</b>	<b>MS-S*</b>	<b>-</b>	<b>MI-I</b>
Sunvale	R	MR-MS	R	MR	MR-MS	MS-S N	MS-S	MS-S	MT-MI
Ventura	R-MR	R	R	MS-S	MS	MS-S	S	MS	MT-MI

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

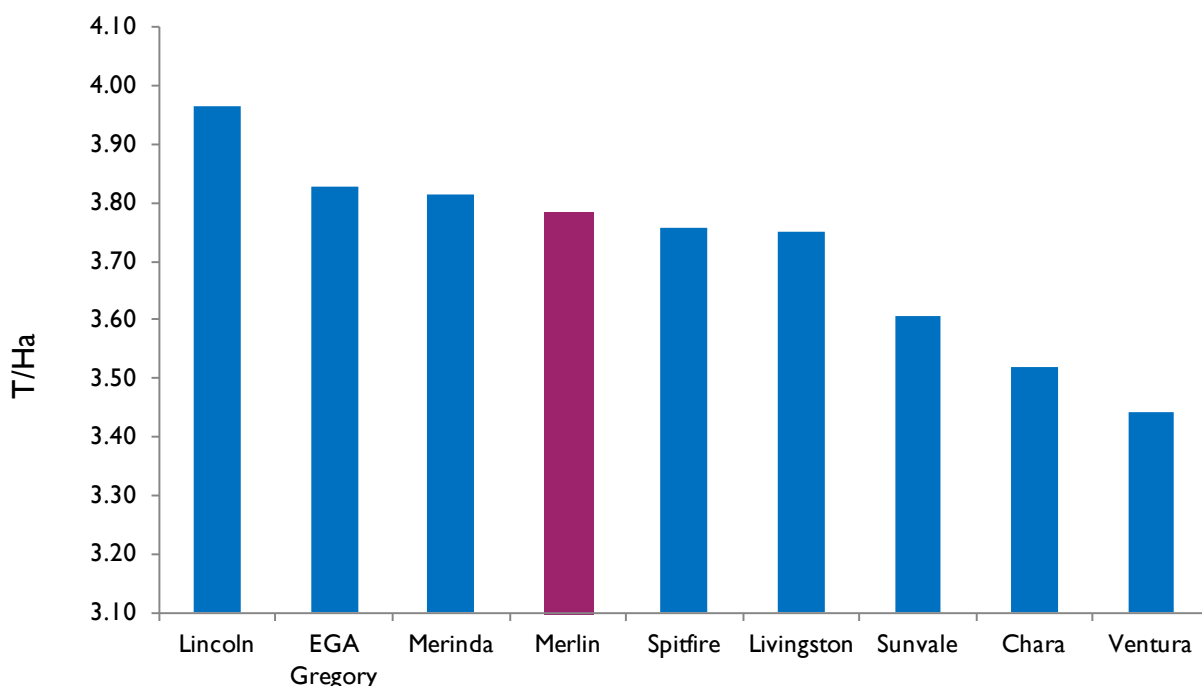
R=Resistant, Tol Rating - T =Tolerant, MT=Moderately Tolerant, MI =Moderately Intolerant, I = Intolerant, VI = Very Intolerant

Data sourced NSW DPI 2012, LongReachPlant Breeders \* Preliminary Data Based on limited data set

[www.pacificseeds.com.au](http://www.pacificseeds.com.au)



## Merlin Yield in Southern NSW LongReach and NVT long term trials (2008-2011)



Data sourced from LongReach and NVT trial sites South East and South West NSW 2008-2011

### New South Wales

Agrigrain

Narromine, NSW

Ph: 02 6889 2200

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

### Victoria

Baker Seed Co

Rutherglen, VIC

Ph: 02 6032 9484

AGF Seeds

Smeaton, VIC

Ph: 03 5345 6262

The Wimmera Grain Co

Rupanyup, VIC

Ph: 03 5385 5344



### PLANT BREEDERS RIGHTS

LongReach Merlin is protected by Plant Breeders Rights (PBR). In regard to propagating material (planting seed) of this variety, any unauthorised commercial production or reproduction, conditioning for propagation, offering for sale, sale, import, export or stocking of propagating material is an infringement under the Plant Breeders Rights Act 1994. No grower to grower trading of seed of LongReach Merlin is allowed.

### End Point Royalty (EPR)

Each time a grower purchases seed of LongReach Merlin the grower agrees to comply with the Variety Licence and Royalty Agreement, including agreement to pay the EPR of \$4.18 per tonne (GST inclusive). EPR is payable on all grain production, except on seed retained by the grower for replanting by the grower. The majority of the EPR will be paid by Pacific Seeds to the Breeder (LongReach Plant Breeders) for investment in future wheat breeding programs.

The information provided in this publication is intended as a guide only, Pacific Seeds Pty Ltd (including its officers, employees, contractors and agents) ('Pacific Seeds') can not guarantee that every statement is without flaw of any kind. While Pacific Seeds has taken all due care to ensure that the information provided is accurate at the time of publication, various factors, including planting times and environmental conditions may alter the characteristics and performance from plants.

Pacific Seeds shall not be liable for any errors or omissions in the information or for any loss, injury, damage or other consequence whatsoever that you or any person might incur as a result of your use of or reliance upon the products (whether Pacific Seeds products or otherwise) and information which appear in this publication. To the maximum extent permitted by law, the liability of Pacific Seeds for any claim whatsoever arising out of the supply or use of or reliance upon the products and information in this publication (including liability for breach of any condition or warranty implied by the Trade Practices Act 1974 or any other law) is limited at its discretion, to the replacement of the products, the supply of equivalent products or the resupply of the publication. For application to specific conditions, seek further advice from a local professional.



[www.pacificseeds.com.au](http://www.pacificseeds.com.au)