

NEW

New South Wales & Queensland



KEY FEATURES

- A slow maturing spring wheat to help capitalise on earlier planting opportunities
- APH classification in Northern and South Eastern Zones (All NSW and QLD)
- Solid grain package with good protein delivery, good grain size and low screenings
- Solid Stripe rust resistance package based on APR(MR) very good resistance to Stem(R) and Leaf rust (R-MR)
- Shorter canopy height with good resistance to lodging
- Performs well under crown rot pressure

BREEDING Pedigree: V1184/Chara//Chara/3/Lang

Lancer (LPB07-0548) 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 2011.

MATURITY

Data collected from Breeding, NVT and Variety Specific Agronomy Program (VSAP) trials conducted over the last five years shows Lancer has a maturity typically 4 to 7 days longer than EGA Gregory. During the 2013 winter with above average temperatures, Lancers maturity has been similar to that of EGA Gregory in Northern NSW while staying in the long term window in Southern NSW.

AGRONOMIC FEATURES

Lancer has medium coleoptile length and has a short to medium plant height at maturity, with significantly better lodging resistance than Gregory. Lancer has good protein accumulation, similar to varieties such as Ellison and Sunvale.

Table 2. Disease and Pest Resistance Ratings: Lancer 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>Pthornei</i>)	
			WA/Jackie	WA + Yr17 pt				Res	Tol
Bolac	MR-MS	MS	R-MR	R-MR	S	S	S	MS	MI
Chara	MR-MS	MS	MS-S	MS-S	MS	S	MS-S	MR-MS	MI
EGA Gregory	MR	MR	MR	MR	MS	S	MS-S	MS-S	MT
Ellison	MR	R	R	MS	MS-S	S-VS	MR-MS	S	I-VI
Lancer	R	R-MR	MR	MR	MR-MS	MS-S *	MS	MS-S *	MT-MI *
Strzelecki	MR-MS	R	MR	MR	MR-MS	S	MS	S-VS	I-VI
Sunvale	R	MR-MS	R	MR	MR-MS	MS-S	MS-S	MS-S	MT-MI
Sunzell	MR	R	R-MR	MS	MS	S	MS-S	MS-S	MT-MI

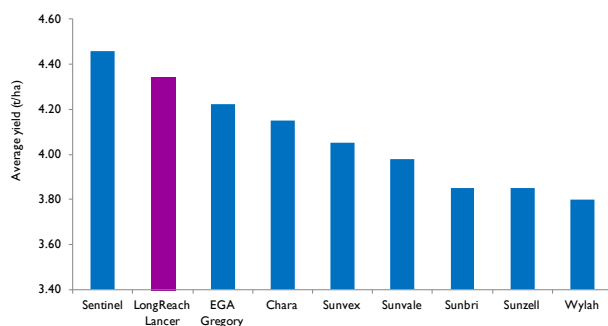
Resistance rating: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant
 R=Resistant, Tol Rating - T =Tolerant, MT=Moderately Tolerant, MI =Moderately Intolerant, I = Intolerant, VI =Very Intolerant
 Data sourced NSW DPI 2013 LongReachPlant Breeders * Preliminary Data Based on limited data set

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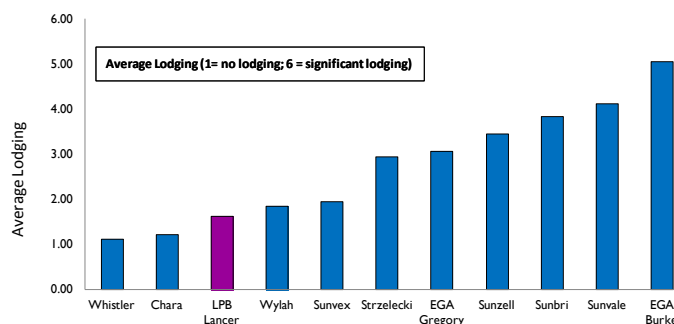


Table with Predicted Ave. Yield (t/ha) NVT Early Sown Trials (2008-12)							
State	New South Wales				Queensland		
Region	N/E	N/W	S/E	S/W	CQ	SEQ	SWQ
	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha	t/ha
Bolac	4.25	3.67	4.14	3.42			
Chara	3.58	3.24	3.66	3.12			
EGA Gregory	4.31	3.71	4.17	3.44	3.28	4.26	3.50
EGA Wedgetail	3.57	3.18	3.60	3.09		3.47	3.00
Ellison	3.89	3.17				3.99	2.92
Lang	3.57	3.16	3.50	2.90	3.05	4.10	3.14
LongReach Lancer	4.02	3.50	3.69	3.14	2.94	4.29	3.20
Strzelecki	3.63	3.25	3.73	3.15	3.13	3.99	3.13
Sunbri	3.72	3.19	3.57	2.93		3.87	
Sunvale	4.06	3.43	3.84	3.14	2.93	4.05	3.17
Sunzell	3.92	3.31	3.55	2.99	2.88	4.10	3.18
Regional Mean Yield	3.87	3.39	3.80	3.20	3.06	4.09	3.20

Average yield for 24 LongReach NSW Early Season trials (2009-2012)



Average Lodging for 2 LongReach trials (Croppa Creek & Narrabri, northern NSW, 2011)



New South Wales

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