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**KEY FEATURES**

- A mid to late maturity, competitive yielding variety that is similar in adaptability to Yitpi
- AH classification in the Southern Zone
- High yield potential in medium to higher yielding conditions
- Good Stripe rust resistance which adds significant security given the areas of susceptible varieties that are currently widely grown
- Useful level of CCN resistance (MS)
- Solid grain package with similar performance to Yitpi for sprouting and improved Black Point tolerance over Yitpi

**BREEDING** Pedigree: Yitpi/Sentinel

Phantom (LPB07-1040) was bred by Longreach Plant Breeders in Australia. This line has been extensively evaluated by the LongReach Plant Breeders since 2007. The line was first entered into National Variety Trials in 2010.

**AGRONOMIC FEATURES**

Phantom has a mid-late maturity similar to Yitpi and EGA Gregory. Phantom is suited to early planting in medium rainfall areas as well as being the ideal maturity for main plantings in medium to higher rainfall areas. Phantom has good early vigour, a very erect growth habit throughout the year and is medium tall in height like Yitpi. Standing ability is similar to Yitpi so can benefit from the application of growth regulants such as Moddus Evo in high production areas. Phantom has good stripe rust resistance (MR) but is susceptible to yellow leaf spot (S/VS) like Yitpi so is not suited to wheat on wheat situations. Phantom has medium to large grain size similar to Yitpi and Scout, an acceptable test weight and sound screenings. Good level of tolerance to Black Point (MR-MS) is a feature of the grain package as well as a useful level of pre Harvest Sprouting, similar to Yitpi.

Disease and Pest Resistance Ratings: Phantom and commercial varieties.										
Variety	Disease Ratings							Pest Reaction		
	Stem Rust	Leaf Rust <small>p=provisional to new pathotype</small>	Stripe Rust	Stripe Rust	Septoria tritici	Crown Rot	Yellow Leaf Spot	CCN	RLN	
			WA pt	WA + Yr17 pt					(P.thornei) Resistance	(P.neglectus) Resistance
Cobra	R-MR	MR	MS-S	MS-S	MS-S	S	MR-MS	MS	MS-S	MS
Gladius	MR	MS	R	MR-MS	S	S	MS	MS	S	MS
Mace	MR	MS-Sp	R	S-VS	MR-MS	S	MR-MS	MR-MS	MS	MS
<b>Phantom</b>	<b>MS</b>	<b>MS-Sp</b>	<b>MR</b>	<b>MR</b>	<b>S</b>	<b>MS-S</b>	<b>S-VS</b>	<b>MS</b>	<b>S</b>	<b>S</b>
Scout	MR	MR-MSp	R-MR	MS	MS-S	MS-S	S-VS	R	MS	S
Yitpi	S	Sp	MR-MS	MR-MS	MS-S	S	S-VS	MR	S	MS-S

Resistance rating: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant  
R=Resistant. Tol Rating -Data sourced SARDI 2015 Cereal Variety Disease Guide & LongReachPlant Breeders Disease Screens and Breeder Ratings. p = Preliminary Data Based on limited data set

NVT Wheat analysis 2010-2014 for Main Season trials in South Australia												
	South Australia											
	Lower EP		Mid North		Murray Mallee		South East		Upper EP		Yorke P	
Variety	t/ha	%MY	t/ha	%MY	t/ha	%MY	t/ha	%MY	t/ha	%MY	t/ha	%MY
Axe	4.20	98	3.80	99	2.65	99	3.84	97	2.27	98	4.30	97
Cobra	4.57	106	4.06	106	2.69	101	4.22	107	2.37	103	4.72	107
Gladius	4.24	98	3.79	99	2.68	101	3.87	98	2.32	101	4.40	99
Mace	4.62	107	4.16	109	2.94	111	4.21	107	2.51	109	4.86	110
<b>Phantom</b>	<b>4.32</b>	<b>100</b>	<b>3.79</b>	<b>99</b>	<b>2.62</b>	<b>98</b>	<b>3.98</b>	<b>101</b>	<b>2.28</b>	<b>99</b>	<b>4.39</b>	<b>99</b>
Scout	4.53	105	4.01	105	2.73	103	4.18	106	2.36	102	4.61	104
Wyalkatchem	4.50	104	4.02	105	2.75	103	4.13	104	2.39	104	4.67	105
Yitpi	4.16	97	3.64	95	2.61	98	3.81	96	2.28	99	4.28	97
RegMeanYield	4.31		3.83		2.66		3.95		2.31		4.43	

NVT Wheat analysis 2010-2014 for Main Season trials in Victoria								
	Victoria							
	Mallee		Wimmera		North Central		North East	
Variety	t/ha	%MY	t/ha	%MY	t/ha	%MY	t/ha	%MY
Cobra	2.62	100	3.64	105	3.96	105	4.96	108
Derrimut	2.56	98	3.53	102	3.66	97	4.41	96
EGA Gregory					3.93	104	4.80	105
Lincoln	2.52	97	3.39	97	3.75	99	4.51	98
Mace	2.80	107	3.71	107	3.86	102	4.73	103
<b>Phantom</b>	<b>2.64</b>	<b>101</b>	<b>3.49</b>	<b>100</b>	<b>3.93</b>	<b>104</b>	<b>4.80</b>	<b>105</b>
Scout	2.71	104	3.66	105	4.02	106	4.92	107
Yitpi	2.64	101	3.37	97	3.78	100	4.56	99
RegMeanYield	2.61		3.48		3.79		4.59	

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# WHEAT

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