

## VARIETY ATTRIBUTES

A high yielding mid-long season maturity variety, well adapted to Victoria and South Australia

APW classification in the Southern Zone (South Australia and Victoria)

Suits both the main season planting window and can be sown earlier than Mace by 5 to 10 days

Excellent grain package with large grain, low screenings and high Test Weight

Very good overall disease package with good resistance to all three rusts, useful level of Septoria resistance (MS) and base Yellow Leaf Spot resistance (MSS)

### DISEASE RESISTANCE

Stem Rust		MRMS
Leaf Rust		MR
Stripe Rust Yr17+27+		MR
Yellow Spot		MSS
Septoria tritici		MS
Crown Rot		MS
Prat.thornei	Res	MSS
Prat.thornei	Tol	MI
Prat.neglectus	Res	MSS
Prat.neglectus	Tol	MT
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  
2019. p = Preliminary Data Based on limited data set

## AGRONOMIC FEATURES

The Trojan cross (LPB 00LR000041/Sentinel) was made to combine tough well adapted germplasm with the high potential and disease of Sentinel. Trojan is a high yielding main season variety that has performed well in a range of seasons and environments across SA, Vic and Sthn NSW. Trojan has a mid late maturity similar to Yitpi that suits both medium-high yielding areas, as well as earlier sowing in main season areas.

Trojan has an erect canopy with medium plant height and is Boron tolerant (MT). Good resistance for the three Rusts makes Trojan an ideal partner for susceptible varieties widely grown in SA and VIC. Of the Southern main season varieties, Trojan has one of the best ratings for Septoria (MS) and Eye Spot (MS).

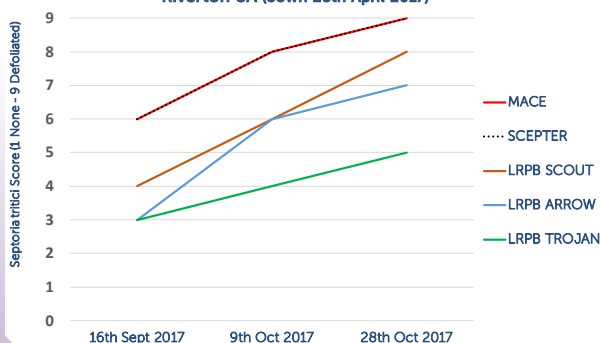
Trojan has an APW classification in the Southern Zone and has a good grain package with high Test Weight being the standout feature, along with useful tolerance to Blackpoint (MS) and Sprouting.

# YIELD PERFORMANCE

NVT Main Sown Long Term MET Predicted Yield for Southern Zone - Vic and SA (2013-17) over 5 years of trials																	
Yield Group t/ha		1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8.5	9
Variety	Trials	6	16	19	24	19	19	16	24	15	7	4	4	4	6	2	2
<b>LRPB Trojan</b>	<b>187</b>	<b>93</b>	<b>102</b>	<b>104</b>	<b>106</b>	<b>105</b>	<b>105</b>	<b>107</b>	<b>108</b>	<b>108</b>	<b>111</b>	<b>110</b>	<b>110</b>	<b>109</b>	<b>110</b>	<b>109</b>	<b>107</b>
Mace	187	109	109	108	106	107	107	102	104	104	103	102	103	100	101	99	97
LRPB Scout	187	97	97	99	101	101	99	105	102	102	104	105	107	106	107	108	105
Wyalkatchem	148	102	102	101	101	102	103	101	101	102	100	100	102	100	98	98	
Yitpi	184	94	95	97	97	93	93	97	95	95	95	96	92	96	97	95	97
Mean Yield t/ha		0.77	1.22	1.74	2.25	2.75	3.19	3.71	4.25	4.77	5.31	5.85	6.21	6.76	7.15	8.15	8.72

NVT Main Sown Long Term MET Predicted Yield for Southern Zone Vic and SA (2013-17)						
Year		2013	2014	2015	2016	2017
Variety	Trials	42	34	37	40	34
Scepter	111			117	108	113
<b>LRPB Trojan</b>	<b>187</b>	<b>106</b>	<b>107</b>	<b>103</b>	<b>109</b>	<b>106</b>
Mace	187	107	106	109	100	106
LRPB Arrow	111			106	104	105
Cutlass	111			100	105	103
LRPB Scout	187	101	101	98	107	99
Wyalkatchem	148	102	100	103	100	101
LRPB Phantom	170	94	96	92	101	96
Yitpi	184	93	96	93	98	97
DS Pascal	67	88	87	83	103	88
Mean Yield t/ha		3.24	3.8	2.6	5.59	3.75

Septoria tritici progression - LongReach Disease Screen  
Riverton SA (Sown 28th April 2017)



## PLANT BREEDERS RIGHTS

LongReach Trojan 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. Grower to grower trading of seed of LongReach Trojan is allowed.

## End Point Royalty (EPR)

Each time a grower purchases seed of LongReach Trojan the grower agrees to comply with the Variety Licence and Royalty Agreement, including agreement to pay the EPR of \$4.00 per tonne (GST exc). 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 Advanta 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. Advanta Seeds Pty Ltd (including its officers, employees, contractors and agents) (Advanta Seeds) can not guarantee that every statement is without flaw of any kind. While Advanta 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. Advanta 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 Advanta Seeds products or otherwise) and information which appear in this publication. To the maximum extent permitted by law, the liability of Advanta 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.  
© Advanta Seeds 2019.