

VARIETY ATTRIBUTES

A high yielding Mid-Slow Spring wheat 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

Disease package with a good level of resistance to Stem Rust, Leaf Rust, useful level of Septoria resistance (MS) and base level resistance to Yellow Leaf Spot

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). Of the Southern main season varieties, Trojan has one of the best ratings for Septoria (MS) and Eye Spot (MS).

Trojan has good resistance to Stem and Leaf Rusts, but the rating for Stripe Rust has been reduced to SVS as it is more susceptible to the new Yr_198 race found in areas of eastern Australia in recent seasons.

Trojan may need fungicide application to control Stripe Rust if hot spots are observed or the disease is known to be in the area.

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.

DISEASE RESISTANCE

Stem Rust		MRMS
Leaf Rust		MR/MS
Stripe Rust East		SVS
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
CCN		MS
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

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
LRPB Trojan	187	93	102	104	106	105	105	107	108	108	111	110	110	109	110	109	107
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
LRPB Trojan	187	106	107	103	109	106
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)



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