



LongReach

Trojan



Western Australia

NEW

KEY FEATURES

- A high yielding mid-long season maturity variety suited to the medium to higher rainfall areas of West Australia
- Well suited to earlier seeding like Magenta and Yitpi
- APW classification in the Western Zone
- Solid grain package with high Test Weight being the standout feature, useful tolerance to blackpoint (MR-MS) and sprouting
- Very good overall rust resistance, useful level of CCN resistance (MS) and base Yellow Leaf Spot resistance (MS-S)

BREEDING Pedigree: LPB 00LR000041/Sentinel^{3R}

Trojan (LPB08-1799) was bred by LongReach Plant Breeders, and has been extensively evaluated by the LongReach Plant Breeders since 2007. The line was first entered into the National Variety Trials in 2012.

AGRONOMIC FEATURES

Trojan is a high yielding main season variety and has performed well in a range of seasons and environments across the western and southern areas of the Australian wheat belt. Trojan has a mid late maturity similar to Magenta and Calingiri, and typically flowers 6-10 days later than Mace. This makes Trojan well suited to the medium to higher rainfall areas. It is also suitable for seeding a week earlier than the main planting varieties such as Mace and Cobra allowing growers to target higher yields through a longer season. Trojan has medium Coleoptile length and medium plant height at maturity. Trojan has good Boron tolerance (MT) and carries the BoI gene which is known to confer tolerance to Boron and Aluminium.

Disease and Pest Resistance Ratings: Trojan and commercial varieties

Variety	Disease Ratings									Pest Reaction		
	Septoria nodorum blotch	Septoria tritici blotch	Yellow leaf spot	Rust			Powdery mildew	Flag smut	Common bunt	CCN	Black point	Root lesion nematodes
				Stem	Stripe#	Leaf						<i>P.neglectus</i>
Cobra	MRMS	MSS	MRMS	RMR	MSS	MR	MSS	MS	S	MRMS	MS	S
Corack	MSS	MSS	MR	MR	MS	MS	SVS	MRMS	MS	RMR	MSS	MS
EGA Bonnie Rock	MSS	SVS	MRMS	MS	VS	MRMS	S	S	MS	S	MRMS	S
Mace	MS	S	MRMS	MR	RMR	MR	MSS	MSS	R	MRMS	MS	MS
Magenta	MRMS	MRMS	MR	RMR	MS	R	MRMS	MSS	S	MSS	MS	MSS
Trojan	MSS	MSp	MSS	MRMS	MR	MR	MSSp	SVS	MRMS	MS	MRMS	S
Westonia	MSS	SVS	MSS	SVS	VS	MS	S	SVS	S	S	MS	S
Wyalkatchem	MS	S	MR	MS	S	MS	S	S	RMR	S	MS	MRMS
Yitpi	MRMS	MRMS	SVS	S	MRMS	MSS	MRMS	MRMS	S	MR	MS	MSS

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

#These ratings are for the WA Stripe Rust strain

Tol Rating - T =Tolerant, MT=Moderately Tolerant, MI =Moderately Intolerant, I = Intolerant, VI =Very Intolerant, - = Uncertain, p-Provisional
Ratings based on the 2014 DAFWA Wheat Variety Guide for WA, NVT disease screens and LongReach disease screens

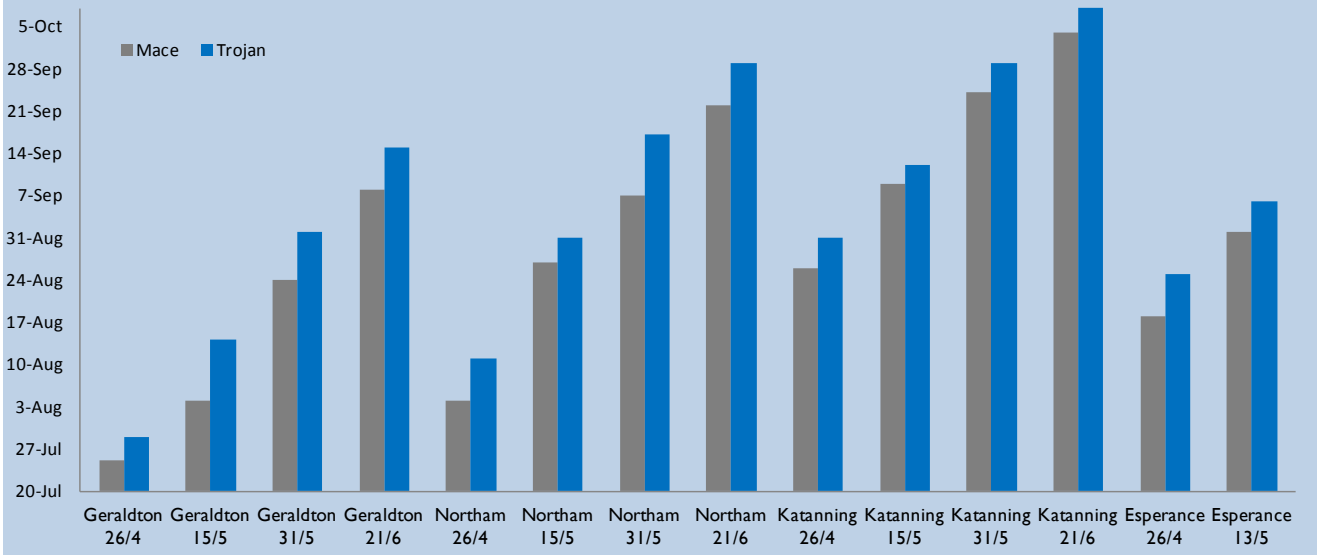


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Trojan Long Term NVT data 2009 - 2013 - Adjusted average Yield (t/ha)

Western Australian									
	Agzone3			Agzone5			Agzone6		
Variety	t/ha	%smy	Count	t/ha	%smy	Count	t/ha	%smy	Count
Calingiri	3.97	102	22	2.24	99	29	3.30	102	12
Cobra	4.17	108	18	2.32	103	20	3.51	109	9
EGA Bonnie Rock	3.80	98	22	2.23	99	29	3.19	99	15
Mace	4.05	104	22	2.45	109	29	3.39	105	15
Magenta	4.14	107	22	2.32	103	29	3.44	107	15
Scout	4.06	105	22	2.40	107	29	3.41	106	15
Trojan	4.15	107	10	2.31	103	12	3.51	109	6
Wyalkatchem	3.94	102	22	2.35	104	29	3.31	103	15
Yitpi	3.89	100	18	2.27	101	24	3.23	100	13
Site Mean Yield	3.88		22	2.25		29	3.23		15

Trojan and Mace date of flowering (50%) from different sowing dates at four locations in WA, 2013
(data from DAFWA Wheat Guide WA)



Western Australia

Coorow Seeds Coorow WA 6515 Ph: 08 9952 1088	Melchiorre Seeds Narrogin WA 6312 Ph: 08 9881 1155	Australian Seed & Grain Moora WA 6510 Ph: 08 9651 1069	EDSCO Kellerberrin WA 6410 Ph: 08 9045 4036	Multiseed Production Pty Ltd Esperance WA 6450 Ph: 08 9071 1053
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