



LongReach



Viking

NEW APH

KEY FEATURES

- A high yielding variety that delivers increased yield in upside situations making it well suited to medium to higher rainfall areas of NSW and Qld.
- Australian Prime Hard classification in the Northern and South Eastern Zones
- A mid-late maturity similar to EGA Gregory that suits early May to late May planting
- Has an excellent Stripe rust resistance package (R-MR) and good resistance to Stem rust (MR)

BREEDING Pedigree: Chara//Nesser*1/2*VI184

Viking (LPB08-0079) was bred by LongReach Plant Breeders in Australia and has been extensively yield tested since 2008. The line was first entered into the National Variety Trials in 2012.

AGRONOMIC FEATURES

Viking shows broad adaptation and has performed well in a range of seasons and environments across NSW and QLD, including acidic soils. Yield performance is best when planted in early May due to its mid-late maturity and is not suited to planting after late May. In northern and southern NSW Viking has a maturity between EGA Gregory & Sunvale. Viking has a similar plant type and early growth habit to Chara, but is taller, being comparable in height to EGA Gregory at maturity. It has excellent resistance to Stripe rust (R-MR) based on the Yr4 gene and good resistance to Stem rust (MR-MS). Viking has a base level of Yellow Spot resistance (MS-S) and is resistant to CCN (R). Viking has grain size similar to that of Sunzell and Chara with acceptable screenings. Preliminary data indicates average pre harvest sprouting tolerance (S) typical of many NSW varieties and a Blackpoint tolerance (MS) similar to EGA Gregory.

Disease and Pest Resistance Ratings: Viking and commercial varieties.									
Variety	Disease Ratings							Pest Reaction	
	Stem Rust	Leaf Rust p = provisional to new pathotype	Stripe Rust	Stripe Rust	Septoria tritici	Crown Rot	Yellow Spot	RLN (<i>P.thornei</i>)	
			WA/Jackie	WA + Yr17 pt				Res	Tol
Viking	MR	MS-Sp	R-MR	R-MR	S	MS-S	MS-S	MR-MS	T
Bolac	MR-MS	S	R-MR	R-MR	MS	S	S	MR-MS	MT-MIp
Chara	MR-MS	Sp	MS-S	MS-S	MS-S	Sp	MS-S	MR-MS	MT-MI
EGA Gregory	MR	MR	MR	MR	MS	S	S	MS	MT
Ellison	MR	-	R	MS	MS-S	S-VS	MR-MS	MS-S	I-VI
Lancer	R	R-MR	MR	MR	MS	MS	MS	MS	T-MT
Strzelecki	MR-MS	R	MR	MR	MS	S	MS	S-VS	I
Sunvale	R	Sp	MR	MR	MS	MS-S	MS-S	MS	MT
Sunzell	MR	MR-MSp	R-MR	MS	MS-S	MS-S	MS-S	MS	MT

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 2015 & LongReachPlant Breeders disease screens and breeder ratings p = Preliminary Data Based on limited data set



NVT MET analysis 2010-2014 for Early Season trials in New South Wales

Variety	North East NSW			North West NSW			South East NSW			South West NSW		
	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count
Viking	4.32	109	14	3.42	110	14	4.66	108	15	4.31	108	18
Bolac	4.12	104	8	3.19	102	11	4.44	103	27	4.13	104	30
Chara	4.25	107	3	3.22	103	4	4.30	100	27	3.95	99	30
EGA Gregory	4.12	104	22	3.33	107	25	4.54	105	27	4.16	105	30
Gauntlet	4.28	108	19	3.28	105	21	4.45	103	21	4.10	103	24
Lancer	4.11	104	19	3.09	99	21	4.12	96	21	3.76	94	24
Strzelecki	3.34	84	22	2.94	94	25	4.17	97	27	3.74	94	30
Sunvale	4.00	101	22	3.06	98	25	4.17	97	27	3.82	96	30
Sunzell	3.74	94	22	2.93	94	25	4.04	94	27	3.68	93	30
RegMeanYield	3.97		22	3.12		25	4.31		27	3.98		30

NVT MET analysis 2010-2014 for Early Season trials in Queensland

Variety	Central QLD			South East QLD			South West QLD		
	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count
Viking	3.45	106	6	4.13	107	5	3.22	109	8
Baxter	3.16	98	19	4.03	105	7	2.99	101	21
EGA Gregory	3.48	107	19	4.06	106	7	3.20	109	21
Gauntlet	3.12	96	12	4.17	108	6	3.00	102	15
Lancer	3.21	99	11	4.06	105	6	3.03	103	21
Strzelecki	3.25	100	18	3.65	95	7	2.84	96	21
Sunvale	3.09	95	19	3.95	103	7	2.89	98	21
Sunzell	3.13	97	3	3.76	98	7	2.83	96	21
RegMeanYield	3.24		19	3.85		7	2.95		21

New South Wales

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