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KEY FEATURES

- Excellent yield potential in early to mid season sowings in Queensland and NSW
- Medium to slow maturity
- Australian Prime Hard (APH) grain quality in Northern Zone
- Good level of resistance to current pathotypes of Stem, Leaf and Stripe Rusts
- Good tolerance to Root Lesion Nematodes (*P.thornei*)
- Highly resistant to Flag Smut

BREEDING Pedigree: Pelsart/2*Batavia doubled haploid line

EGA Gregory was bred by the Queensland Department of Primary Industries and Fisheries (DPI&F) within the Enterprise Grains Australia (EGA) joint venture

AGRONOMIC FEATURES

EGA Gregory is eligible for receipt into the Australian Prime Hard Grade (APH) in Queensland and Northern NSW and Central NSW.

EGA Gregory has similar maturity, straw strength and plant height to Batavia and Strzelecki.

EGA Gregory offers effective Adult Plant Resistance (APR) to all current stripe rust pathotypes rated (MR) and has a good level of tolerance to RLN (*P.thornei*) rated (MT).

EGA Gregory is rated resistant to moderately resistant (R-MR) to shattering.

Disease and Pest Resistance Ratings: Gregory and commercial varieties.									
Variety	Disease Ratings							Pest Reaction	
	Stem Rust	Leaf Rust <small>p = provisional to new pathotype</small>	Stripe Rust	Stripe Rust	<i>Septoria tritici</i>	Crown Rot	Yellow Spot	RLN (<i>P.thornei</i>)	
			WA/Jackie	WA + Yr17 pt				Res	Tol
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
Viking	MR	MS-Sp	R-MR	R-MR	S	MS-S	MS-S	MR-MS	T

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 p = Preliminary Data Based on limited data set

NVT MET analysis 2009-2013 for Main Season trials in Northern NSW and Qld

Varieties	New South Wales						Queensland								
	North East			North West			Central QLD			South East QLD			South West QLD		
	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count
Baxter	3.24	87	26	2.81	90	30	3.33	100	20	3.76	100	11	2.90	97	25
EGA Gregory	4.08	110	35	3.39	109	39	3.72	111	20	3.97	105	11	3.27	109	25
Ellison	3.39	91	35	2.84	91	39	3.15	94	7	3.51	93	6	2.73	91	6
Gauntlet	3.80	102	35	3.18	102	39	3.44	103	10	3.84	102	8	3.08	103	15
Hartog							3.50	105	20	3.76	100	11	2.98	99	25
Kennedy	3.32	89	23	2.85	92	24	3.29	98	20	3.62	96	11	2.82	94	25
Lang	3.54	95	23	2.99	96	24	3.31	99	20	3.70	98	10	2.91	97	25
Spitfire	3.88	104	35	3.23	104	39	3.40	102	20	3.88	103	11	3.10	103	25
Sunvale	3.69	99	35	3.06	98	39	3.27	98	7	3.76	99	5	2.96	99	12
Region Mean Yield	3.72		35	3.11		39	3.35		20	3.78		11	3.00		25

NVT MET analysis 2009-2013 for Early Season trials in Northern NSW and Qld

Varieties	New South Wales						Queensland								
	North East			North West			Central QLD			South East QLD			South West QLD		
	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count
Baxter							3.06	96	19	3.84	102	11	2.78	97	21
EGA Gregory	4.02	109	29	3.53	108	36	3.38	106	19	3.93	105	11	3.06	107	25
Gauntlet	4.11	111	15	3.55	108	20	2.99	93	10	3.82	102	6	2.83	99	13
Lancer	3.75	102	15	3.31	101	20	3.07	96	9	3.81	101	7	2.81	98	19
Lang	3.47	94	17	3.14	96	21	3.01	94	14	3.74	99	7	2.77	97	25
Strzelecki	3.58	97	29	3.17	97	36	3.13	98	19	3.69	98	11	2.76	97	25
Sunvale	3.64	99	29	3.22	98	36	2.99	93	19	3.72	99	11	2.73	96	25
Sunzell	3.49	95	29	3.07	94	36	3.19	100	4	3.79	101	11	2.75	96	25
Region Mean Yield	3.69		29	3.28		36	3.20		19	3.76		11	2.86		25

New South Wales

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