

VARIETY ATTRIBUTES

A mid to late maturing line which is driven by temperature. A few days quicker than Gregory in warmer seasons and 2 to 5 days longer on average in cooler seasons

APH classification in Northern and South Eastern Zones (All NSW and QLD)

Excellent grain package with good protein delivery, good grain size and low screenings

Solid Stripe Rust resistance package based on Adult Plant Resistance (MR) very good resistance to Stem (R) and Leaf Rust (RMR)

Shorter canopy height with good resistance to lodging

AGRONOMIC FEATURES

Lancer has medium coleoptile length and has a short to medium plant height at maturity which gives it a significantly better lodging resistance than Gregory. This shorter canopy height means Lancer maintains good harvestability, even in bulky years and makes Lancer ideally suited to stubble retention systems.

Lancer's maturity is controlled by a moderate vernalisation (cold period) requirement. It is not suited to planting earlier in April as varieties in this window need stronger controls to hold heading until spring. Once Lancer's moderate vernalisation requirement has been met, its development speed is controlled by temperature. Long term observations have shown Lancer to be 2-5 days longer than Gregory in average to cooler seasons or areas. Lancer can accelerate in warmer seasons or hotter areas to be a few days quicker than Gregory and in warmer areas seeding time may need to be delayed by a week.

Lancer has taken over from Gregory now in many areas as the main wheat variety to start the sowing program. Lancer ticks the boxes for yield, grain package, protein, the ability to plant earlier, short stature and water use efficiency. When grown under Crown Rot pressure, Lancer has shown a reduction in yield loss when compared to Gregory and this has been one of the major drivers of Lancer's yield stability in the northern region. Lancer has shown good protein accumulation, maintained low screenings and is regarded as a variety that regularly makes the higher grades at harvest.

DISEASE RESISTANCE

Stem Rust		R
Leaf Rust		RMR/MS
Stripe Rust East		MR
Yellow Spot		MRMS
Septoria tritici		MS
Crown Rot		MSS
Prat.thornei	Res	MS
Prat.thornei	Tol	TMT
Prat.neglectus	Res	S
Prat.neglectus	Tol	MTMI
Black Point		MRMS

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 2020. p = Preliminary Data Based on limited data set.
Leaf Rust - varieties with / show the reaction to the Lr_24 pathotype if it is present.

YIELD PERFORMANCE

Qld Early Season Long Term MET Yield (2013-17)						
Year		2013	2014	2015	2016	2017
Mean Yield t/ha		2.70	2.47	3.73	4.77	2.07
Variety	Trial No.	13	11	15	8	15
EGA Gregory	62	110	96	107	102	117
LRPB Flanker	49		101	113	107	124
LRPB Gauntlet	62	109	95	102	94	105
LRPB Lancer	62	108	98	101	96	113
Strzelecki	62	98	91	98	97	104
Suntop	36		102	106	99	113
Sunvale	62	103	91	96	91	108
Sunzell	45	95	91	95	94	96

NSW Early Season Long Term MET Yield (2013-17)						
Year		2013	2014	2015	2016	2017
Mean Yield t/ha		3.19	3.64	4.08	5.45	3.27
Variety	Trial No.	22	20	24	25	13
Bolac	53	98	99	96	100	102
EGA Gregory	104	101	103	104	96	105
LRPB Flanker	82		107	109	101	112
LRPB Gauntlet	104	104	108	108	94	107
LRPB Lancer	104	106	110	108	98	113
Strzelecki	90	93	94	94	92	
Suntop	94	111	114	113	102	116
Sunvale	104	99	104	101	91	104

Lancer has been on farm for enough years to ensure growers are confident it can deliver on yield. In good seasons Lancer has shown it has yield and the compact canopy that delivers efficiency at harvest. In tighter seasons Lancer has shown it can match Gregory for toughness and maintain grain quality to deliver at harvest. For these reasons Lancer is now the northern APH of choice by growers in the late April to mid May planting window.

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