



Pacific Seeds

Growing possibilities

VARIETY GUIDE QUEENSLAND & NEW SOUTH WALES

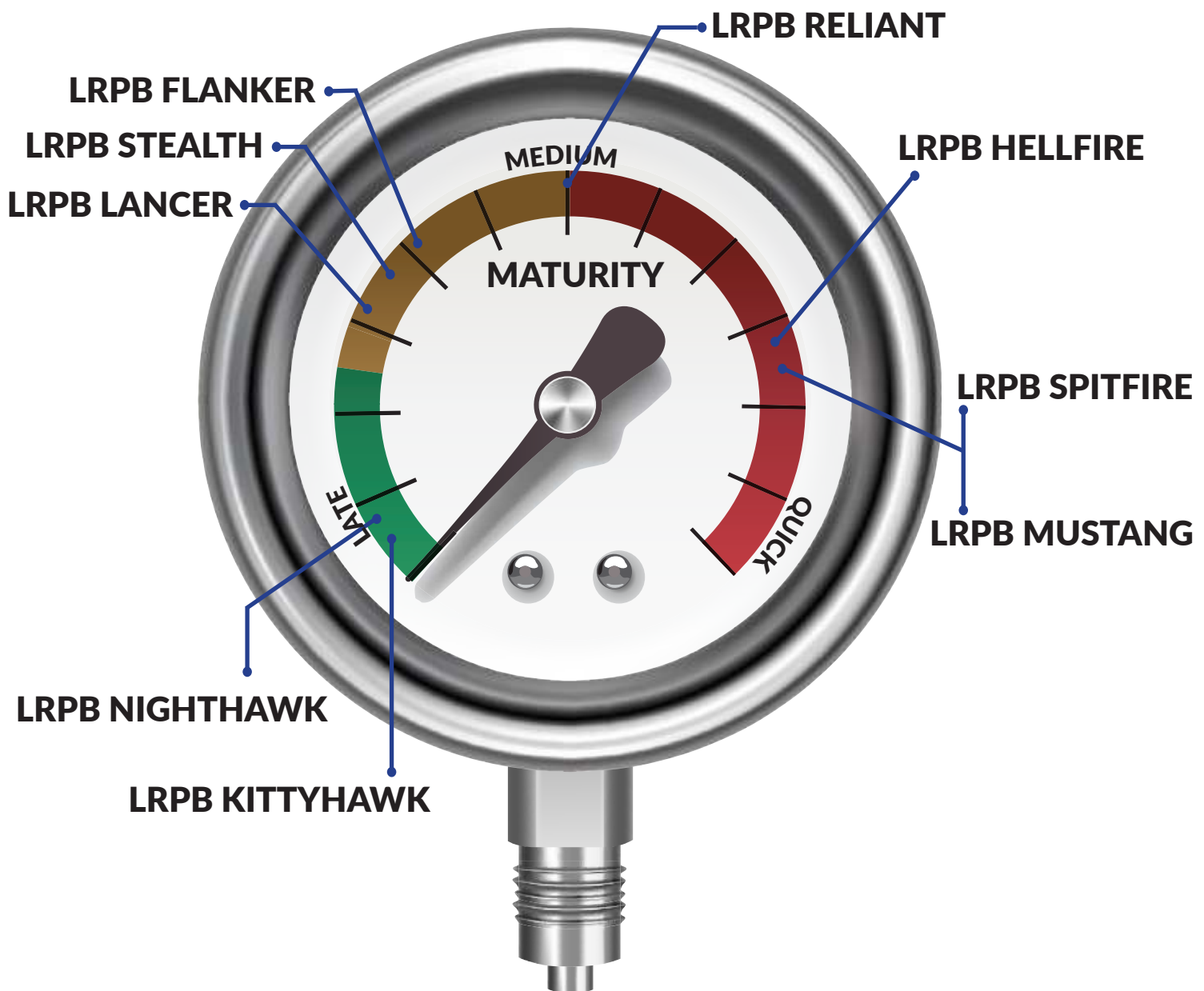
WHEAT & OATS

pacificseeds.com.au

GAUGE WHAT YOU NEED FROM PACIFIC SEEDS WHEAT

The Pacific Seeds range of wheats for New South Wales (NSW) and Queensland (Qld) have been bred to encompass the full range of maturities for both states to give growers choice in their program while still providing the quality and agronomic package needed for success.

From dual purpose winter type Kittyhawk (most suited to southern NSW), to quicker maturing Hellfire and Mustang, the Pacific Seeds wheat range has been bred to achieve APH quality in your paddock.



Delivering wheat solutions that consider your local conditions

Pacific Seeds is committed to producing wheat varieties that put more money in the pocket of Australian wheat growers. A wide range of options delivers choice when it comes to growers identifying the variety that best suits their needs.

Our wheat varieties are recognised for their excellent quality and grain size. Many of these products are used by millers to produce bread, biscuits and noodles for the Australian and international markets.

Whether you are looking for early or late planting options, reliability in tough conditions or exceptional protein accumulation, we have a wheat variety that will meet your local environmental conditions and long-term business goals.



STEALTH

LPB15-2757

VARIETY ATTRIBUTES

Slow-Spring maturing variety suitable for late April to early May planting

High and stable yielding variety with APH classification in NSW/Qld and premium grain package

Excellent Crown Rot resistance MRMS(p) making LRPB Stealth a class above most APH varieties available in the market

Solid disease package suitable for all growing areas in NSW and Qld

LRPB Stealth is medium plant height with a similar growth and yield accumulation pattern to Lancer

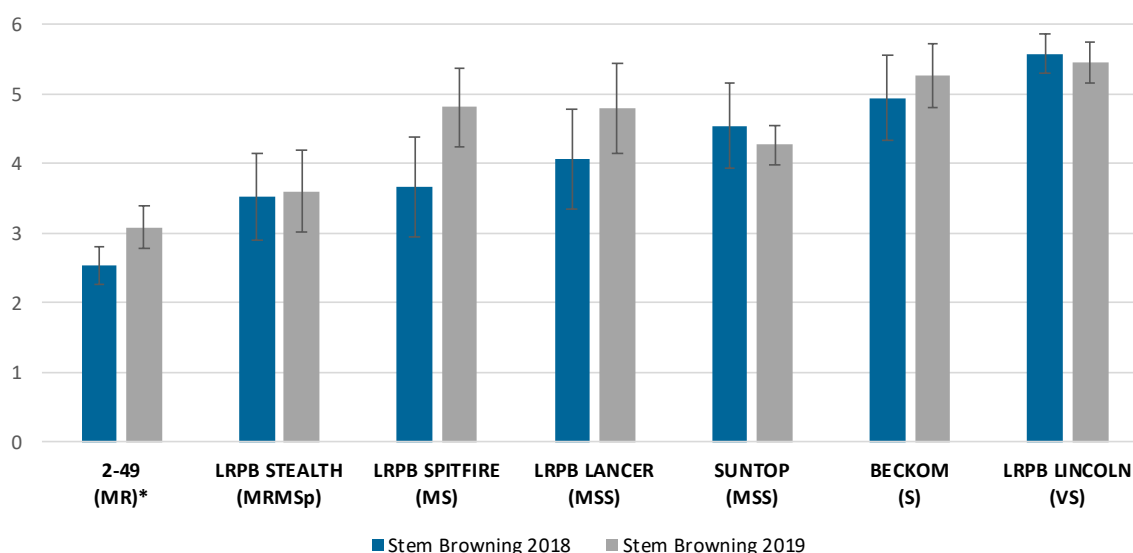
Queensland and New South Wales A new variety from Pacific Seeds

DISEASE RESISTANCE

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

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. Leaf Rust - varieties with a second rating separated
by a / show the reaction to the LR_24 pathotype if it is
present.

LRPB / Sydney University Crown Rot Nursery 2018 - 19 Stem Browning Rating at Maturity (0 = No Browning, 9 = Heavy Browning)



*2-49 is a public breeding line that has been shown to display high levels of Crown Rot resistance

LRPB Stealth is the result of a targeted cross to increase Crown Rot resistance in widely grown APH germplasm. LRPB Stealth has shown increased levels of Crown Rot resistance over well regarded varieties currently available on the market across multiple years when assessed in disease nurseries.

YIELD PERFORMANCE

NVT Northern Early Season MET Analysis 2016-2020 Selected Varieties							
	Maturity	All Northern	NE NSW	NW NSW	CQ	SWQ	SEQ
EGA Gregory	Mid - Slow Spring	104.6	101.2	101.9	113.3	105.3	102.0
LRPB Flanker	Mid - Slow Spring	108.2	103.6	104.9	121.0	108.1	104.2
LRPB Lancer	Slow Spring	103.3	101.9	103.2	110.8	100.9	98.1
LRPB Reliant	Mid - Spring	107.8	103.8	105.3	117.4	108.1	105.3
LRPB Stealth	Slow Spring	107.5	103.4	105.1	118.4	107.2	103.6
Sunmax	Slow-V.Slow Spring	100.1	101.8	100.7	88.0	103.5	109.9
Suntime	Slow Spring	102.5	102.1	102.7	101.9	102.7	103.6
Average Yield (t/ha)		3.12	3.69	3.17	2.83	2.79	3.38
Trials in Analysis		94	18	25	19	24	8

NVT Southern NSW Early Season MET Analysis 2016-2020 Selected Varieties				
	Maturity	All Sth NSW	SE NSW	SW NSW
LRPB Trojan	Mid Spring	105.3	104.7	105.7
Beckom	Quick - Mid Spring	105.9	105.5	106.2
LRPB Flanker	Mid - Slow Spring	94.8	94.2	95.3
EGA Gregory	Mid - Slow Spring	91.7	90.9	92.3
Coolah	Mid - Slow Spring	102.0	102.0	102.0
LRPB Stealth	Slow Spring	101.9	101.2	102.5
LRPB Lancer	Slow Spring	99.1	98.0	100.0
LRPB Nighthawk	Very Slow Spring	100.5	101.5	99.7
Average Yield t/ha		4.88	4.56	5.15
Trial in Analysis		46	21	25



LRPB Stealth has been shown to hold 1-2 days longer to head emergence than Lancer in warmer Northern environments and quicken itself in the cooler southern environments. This indicates a stronger vernalisation requirement than its Lancer parent.

L-R: LRPB Flanker, LRPB Lancer, LRPB Stealth - Tullooona Early Season NVT Trial 2019

HELLFIRE

VARIETY ATTRIBUTES

Quick-Mid Spring maturity for main season planting like Spitfire

11% yield increase over LRPB Spitfire while maintaining similar protein accumulation

Large grain, high protein and low screenings make LRPB Hellfire a standout grain package

Premium quality profile with APH classification in NSW and Qld

Solid disease package suitable for all main season growing areas in NSW and Qld

Medium plant height and good standability

Queensland and New South Wales A new variety from Pacific Seeds

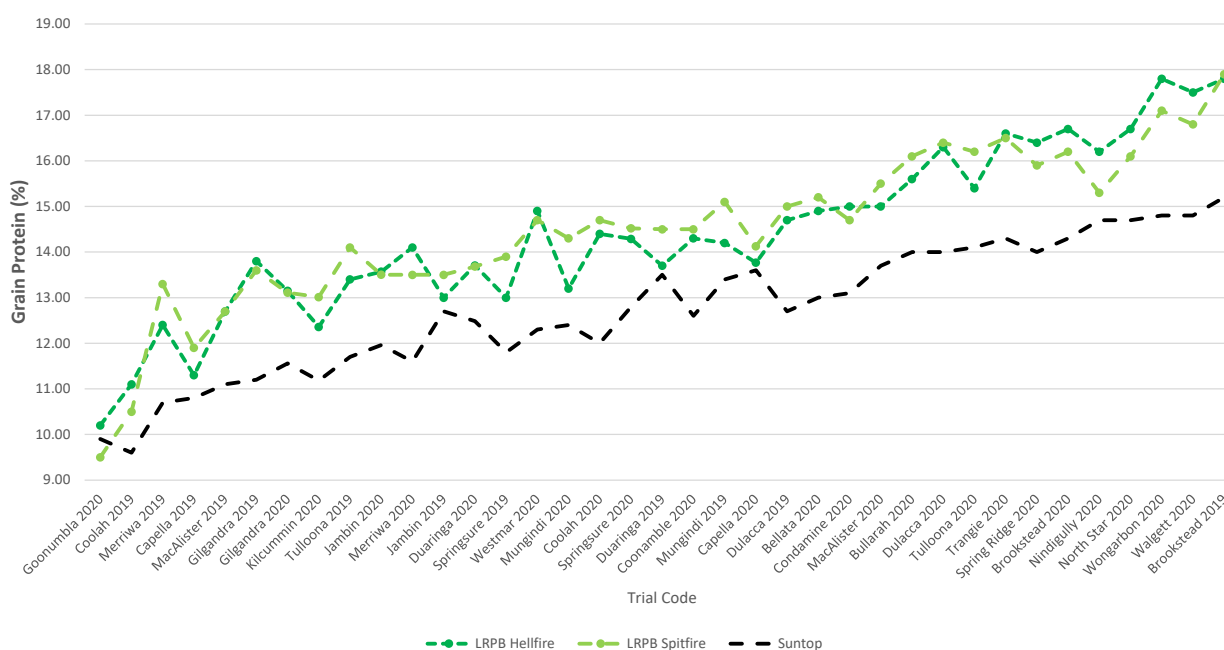
DISEASE RESISTANCE

Stem Rust		MR
Leaf Rust		MSS
Stripe Rust East		MR
Yellow Spot		MSS
Septoria tritici		S
Crown Rot		MSS
Prat.thornei	Res	MSS
Prat.thornei	Tol	MI
Prat.neglectus	Res	MSS
Prat.neglectus	Tol	TMT
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. Leaf Rust - varieties with a second rating separated by a / show the reaction to the LR_24 pathotype if it is present.

Grain Protein at Northern NSW and QLD Mains Season NVT Sites 2019-20

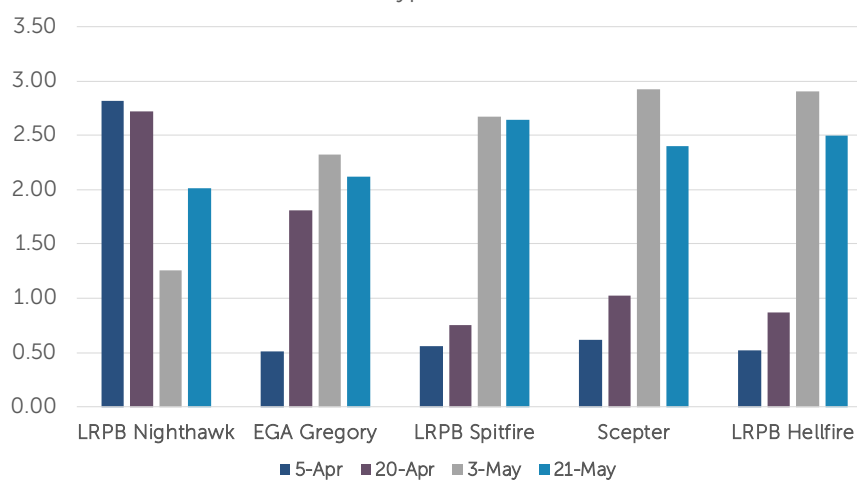
(37 Trials Ranked on Average Site Protein)



YIELD PERFORMANCE

Northern Main Season NVT MET Analysis 2016-2020 Selected Varieties							
	Maturity	All Northern	NE NSW	NW NSW	CQ	SWQ	SEQ
LRPB Reliant	Mid Spring	103.6	103.0	102.8	102.3	106.8	102.1
LRPB Hellfire	Quick-Mid Spring	105.7	105.0	106.1	104.9	107.0	104.5
LRPB Mustang	Quick Spring	100.7	101.4	102.5	96.8	101.8	99.8
LRPB Flanker	Mid Spring	102.0	101.6	101.6	102.6	103.3	99.5
Coolah	Mid Spring	102.8	104.5	104.3	99.1	103.3	100.8
EGA Gregory	Mid Spring	99.2	99.7	99.0	98.4	100.3	97.0
LRPB Spitfire	Quick-Mid Spring	93.5	93.2	92.5	95.4	92.1	96.5
Sunchaser	Mid Spring	101.5	102.0	101.7	99.7	102.1	102.2
Sunprime	Quick-Mid Spring	100.0	100.6	99.6	100.1	99.3	101.0
Suntop	Mid Spring	102.4	101.7	101.9	101.1	104.7	103.4
Average Predicted Yield (t/ha)		3.22	3.14	2.77	3.38	3.69	3.34
Trials in Analysis		107	22	28	8	22	27

NSW DPI Time Of Seeding Trial Wagga 2018
LSD (Genotype x TOS) 0.49 t/ha



Rob Hart, Junee in Hellfire



LongReach

MUSTANG

VARIETY ATTRIBUTES

Quick maturity for main season planting like Spitfire

Has shown an average yield increase over Spitfire of 11% in 61 LongReach Qld/NSW trials over 7 years

APH quality in NSW and Qld to suit all main season growing areas

Outstanding shorter canopy to make on farm management and stubble handling easier

Excellent major gene Stripe Rust resistance (RMR)

Has coped well with Crown Rot (MSS) and RLN (MTMI) in tough seasons in the north

Queensland and New South Wales

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DISEASE RESISTANCE

Stem Rust		MRMS
Leaf Rust		MSS
Stripe Rust East		RMR
Yellow Spot		MSS
Septoria tritici		S
Crown Rot		MSS
Prat.thornei	Res	MSS
Prat.thornei	Tol	MTMI
Prat.neglectus	Res	S
Prat.neglectus	Tol	MI
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. Leaf Rust - varieties with a second rating separated by a / show the reaction to the LR_24 pathotype if it is present.



AGRONOMIC FEATURES

The cross (EGA Gregory/LPB1117) aimed to combine Gregory's broad adaption with the superior canopy of a high yielding breeding line. The end result has been a quick maturity APH wheat with a shorter canopy to make management easier.

Plant vigour is typical of other APH varieties with Mustang being a conservative tillering variety that has an erect open canopy. Mustang has a compact plant type throughout the season that ends up similar in height to Lancer at maturity.

Mustang has a sound grain package with a good grain size and has an APH classification throughout NSW and Qld.

LongReach phenology trials have shown that LRPB Mustang tracks very similar to Spitfire at all seeding times. Mustang has shown the ability to move faster when stress comes to maximise yield.

LRPB Mustang has excellent major gene resistance to Stripe Rust (RMR) and good resistance to Stem Rust (MRMS). Mustang has moderate Yellow Spot resistance (MSS) and Black Point resistance (MS) which is an improvement over Gregory.

Crown Rot screening over the last three years has consistently shown Mustang to have useful Crown Rot resistance (MSS). Mustang has also shown good RLN (*P.thornei*) tolerance (MT-MI) that looks at least equal to Spitfire (MT-MI).

Northern Main Season NVT MET Analysis 2016-2020 Selected Varieties							
	Maturity	All Northern	NE NSW	NW NSW	CQ	SWQ	SEQ
LRPB Hellfire	Quick-Mid Spring	105.7	105.0	106.1	104.9	107.0	104.5
LRPB Spitfire	Quick-Mid Spring	93.5	93.2	92.5	95.4	92.1	96.5
LRPB Mustang	Quick Spring	100.7	101.4	102.5	96.8	101.8	99.8
Sunprime	Quick-Mid Spring	100.0	100.6	99.6	100.1	99.3	101.0
LRPB Flanker	Mid Spring	102.0	101.6	101.6	102.6	103.3	99.5
Coolah	Mid Spring	102.8	104.5	104.3	99.1	103.3	100.8
EGA Gregory	Mid Spring	99.2	99.7	99.0	98.4	100.3	97.0
LRPB Reliant	Mid Spring	103.6	103.0	102.8	102.3	106.8	102.1
Sunchaser	Mid Spring	101.5	102.0	101.7	99.7	102.1	102.2
Suntop	Mid Spring	102.4	101.7	101.9	101.1	104.7	103.4
Average Predicted Yield (t/ha)		3.22	3.14	2.77	3.38	3.69	3.34
Trials in Analysis		107	22	28	8	22	27

LongReach

RELIANT

Now Free to Trade

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APH (NNSW/Qld) and AH (SNSW) with similar planting window to Suntop
Mid-season maturity, yield performance is best when planted in the main season window
A reliable grain package with good grain size and test weight, as well as showing lower screenings than Suntop
Reliant is a Gregory/Crusader cross, it has the tillering habit of Gregory and the tightly packed heads of Crusader
Good resistance to Stem Rust (R), Leaf Rust (RMR), Stripe Rust East (MR)
Shorter canopy height with good resistance to lodging
Performs well under crown rot pressure (MS) and leading tolerance to RLN (T-MT)

LongReach

FLANKER

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Please complete the grower sales declaration form available from the Pacific Seeds website

A high yielding variety suited to NSW and Qld
Mid-late maturity with similar plasticity to EGA Gregory
APH classification in Northern Zone and South Eastern Zone
Good level of resistance to Stripe Rust East (RMR), Stem Rust (RMR) and Leaf Rust (RMR/MSS)
A reliable grain package, good test weights with sound grain size
Flanker is taller than Gregory and is suited to dryland rather than irrigation production

LongReach

LANCER

Now Free to Trade

Please complete the grower sales declaration form available from the Pacific Seeds website

A mid to late maturing line which is responsive to temperature
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 (RMR East), very good resistance to Stem (R) and Leaf rust (RMR/MRMS)
Shorter canopy height with good resistance to lodging
Performs well under crown rot pressure (MSS) and leading tolerance to RLN (TMT)

Bundella grower lands a top crop with Lancer

It was an uncertain season for Bundella grower Andrew Campbell, but a few good decisions along the way and planting a quality wheat variety like Pacific Seeds Lancer helped him harvest a top crop.

Mr Campbell, who runs cattle and cropping property 'Rockgedgiel' with his wife Kimberley and parents Colin and Meg, said deciding to plant into a paddock with a full moisture profile helped protect it from the lack of in-crop rain.

"In 2018, we dry sowed 350 hectares and the season was very average. We ended up stripping 1.5t/ha. Coming into 2019, the full profile mixed with a bit of rain in March set up the paddock well. There was a lot going on at the time and we were about to have our third child, so we sowed the wheat in the third week of April, which is pretty early for Lancer. The paddock had a good slope on it so there was a chance of frost, but with the elevation, we thought it should be fine."



He said the season outlook was ordinary but rain at the end of April improved the situation.

"It got in and up, and after 30mm in late April, it never looked back. The winter was mild, and although it didn't have a lot of in-crop rain at 94mm, it put on a lot of biomass. In September and October, we were looking at it asking the question, 'How much moisture is left, do we bale it?' There were good returns on hay but ultimately we didn't want to deal with thousands of bales in the paddock, and there is always value in retained stubble."

Mr Campbell harvested the crop on 8 November and yields were nearing 6t/ha in the best parts.

"We made the decision to let it go and that decision paid off, with the crop yielding 5.5t/ha on the top end of the paddock and lightening off at the bottom. The average was 4.4t/ha."

Screenings were 1.3 – 2 per cent, test weights were 83kg/hL and protein was 10-11pc.

The family has been growing wheat there for many years, and in that time, have been able to experiment with many different types.

"We used to grow Ellison for a time, then we moved onto Gregory, then Suntop and Coolah. They were all good varieties for the time, but a few people around the district started growing Lancer and I had a look at it too in 2017. I like it as a whole package. It's a mid to late maturing type but you can sow it early if you need to and it's tough. No matter the season, it always seems to yield."

The Campbell's have finished planting 80ha of Dawson oats and 250ha of Bennet wheat to feed their 450 weaners, 70 first calvers and 500 cows and will now focus on the Lancer. They have included dual purpose wheat in past cropping rotations, growing Marombi, Wedgetail and Sunlamb, and will plant 100ha of Kittyhawk for the first time.

"Kittyhawk has been looking like a good option here, so we'll give it a graze and then lock it up for grain. After we put that in, we'll sow Lancer to 280 hectares of long fallow country."

KITTYHAWK

VARIETY ATTRIBUTES

A high yielding dual purpose wheat variety suited to all areas that grow Wedgetail

Premium classification; APH (NSW/Qld) and AH (SA/Vic)

Slow maturity (long season) with three winter genes. Suited to early planting similar to Wedgetail

Improved disease resistance over Wedgetail especially for Stripe Rust (RMR) Stem Rust (MRMS(s)) and Leaf Rust (MRMS)

Significant test weight (4-6Kg/Hl) improvement over Wedgetail and Illabo with a solid grain package

Now Free to Trade

Please complete the grower sales declaration form available from the Pacific Seeds website

DISEASE RESISTANCE		
Stem Rust		MRMSs
Leaf Rust		MRMS
Stripe Rust East		RMR
Yellow Spot		MRMS
Septoria tritici		MRMS
Crown Rot		SVS
Prat.thornei	Res	S
Prat.thornei	Tol	I
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
 Feb 2021. p = Preliminary Data Based on limited data
 set. Leaf Rust - varieties with a second rating separated
 by a / show the reaction to the LR_24 pathotype if it is
 present.



Peter Harris of Molong chooses Kittyhawk as his dual purpose wheat variety

NIGHTHAWK

LPB14-0392

VARIETY ATTRIBUTES

A slow maturing Spring wheat with a unique set of maturity holds that allows it to be planted earlier in areas that don't suit the traditional winter wheat types

AH classification in South East Zone

High tiller number and semi prostrate early growth habit which may aid as part of an integrated weed management solution

Medium tall in height with good standability in high production situations

AGRONOMIC FEATURES

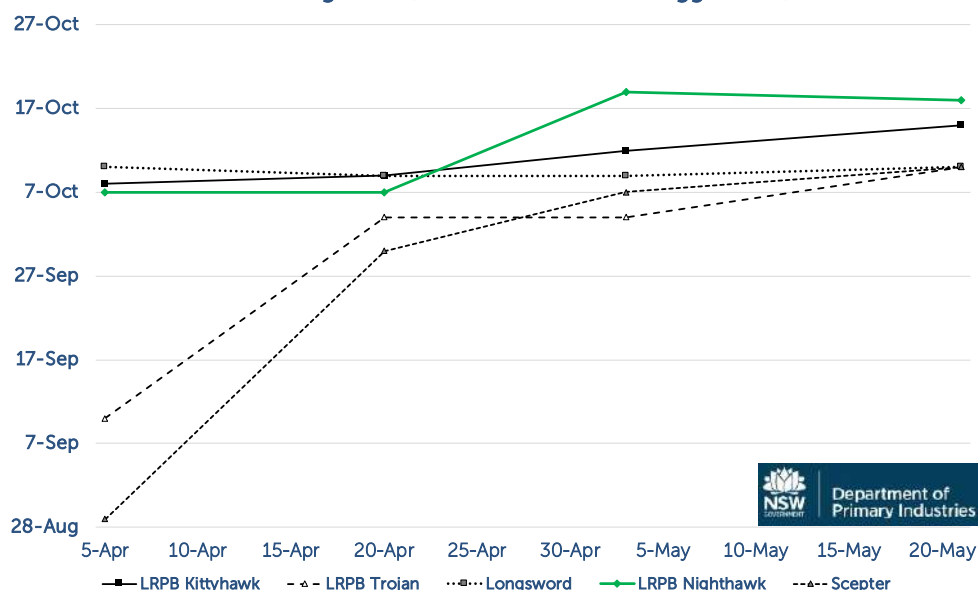
LongReach Plant Breeders phenology studies show that LRPB Nighthawk has the strong photoperiod controls of a "Very Slow Spring Wheat" this has been confirmed through the GRDC MESW project. LRPB Nighthawk has an early growth habit similar to dual purpose Winter wheats like LRPB Kittyhawk, but it can break the vegetative cycle earlier in Spring than LRPB Kittyhawk. LRPB Nighthawk is an option that opens the seeding window earlier in main season environments to capitalise on early break years.

DISEASE RESISTANCE

Stem Rust	RMR
Leaf Rust	MSS
Stripe Rust East	MR
Yellow Spot	MRMS
Septoria tritici	MSS
Crown Rot	MSSp
Prat.thornei	Res MS
Prat.thornei	Tol I
Prat.neglectus	Res MSS
Prat.neglectus	Tol IVI
Black Point	MS

Resistance ratings: VS = Very Susceptible
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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. Leaf Rust - varieties with a second rating separated by a / show the reaction to the LR_24 pathotype if it is present.

Flowering Date (NSW DPI TOS Trial Wagga 2018)



Wheat Suggested Sowing Timetables Queensland

QUEENSLAND District	Varieties	Planting time by weeks																											
		April				May				June				July															
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Central Highlands	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth	E	E	C	C	C	C	C	C	C	C	C	L																
	LRPB Reliant	E	E	E	E	C	C	C	C	C	C	C	C	C	C	C	L												
	LRPB Crusader, LRPB Spitfire, LRPB Mustang, LRPB Dart		E	E	E	E	C	C	C	C	C	C	C	C	C	C	C	L											
Dawson Callide Low Frost risk (higher slopes or more Northern areas)	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth			E	E	C	C	C	C	C	C	C	C	L															
	LRPB Reliant					E	E	C	C	C	C	C	C	C	C	C	C	L											
	LRPB Crusader, LRPB Spitfire, LRPB Mustang, LRPB Dart					E	E	C	C	C	C	C	C	C	C	C	C	C	L										
Central Highlands	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth						E	E	C	C	C	C	C	C	C	C	C	L											
	LRPB Reliant						E	E	C	C	C	C	C	C	C	C	C	C	L										
	LRPB Crusader, LRPB Spitfire, LRPB Mustang, LRPB Dart						E	E	C	C	C	C	C	C	C	C	C	C	L										
Dawson Callide High Frost risk (river flats or areas known to be more frost prone)	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth				E	E	C	C	C	C	C	C	C	C	C	C	C	L											
	LRPB Reliant					E	E	C	C	C	C	C	C	C	C	C	C	C	L										
	LRPB Crusader, LRPB Spitfire, LRPB Mustang, LRPB Dart					E	E	C	C	C	C	C	C	C	C	C	C	C	L										
Maranoa, Balonne Western Downs - South West	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth						E	E	C	C	C	C	C	C	C	C	C	L											
	LRPB Reliant						E	E	C	C	C	C	C	C	C	C	C	C	L										
	LRPB Crusader, LRPB Spitfire, LRPB Mustang, LRPB Dart						E	E	C	C	C	C	C	C	C	C	C	C	L										
Darling Downs (Northern, uplands)	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth						E	E	C	C	C	C	C	C	C	C	C	L											
	LRPB Reliant						E	E	C	C	C	C	C	C	C	C	C	C	L										
	LRPB Crusader, LRPB Spitfire, LRPB Mustang, LRPB Dart						E	E	C	C	C	C	C	C	C	C	C	C	L										
Darling Downs High frost risk (Central, Southern)	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth								E	E	C	C	C	C	C	C	C	L											
	LRPB Reliant								E	E	C	C	C	C	C	C	C	C	L										
	LRPB Crusader, LRPB Spitfire, LRPB Mustang, LRPB Dart								E	E	C	C	C	C	C	C	C	C	L										
Central Burnett South Burnett & West Moreton	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth					E	E	C	C	C	C	C	C	C	C	C	C	L											
	LRPB Reliant						E	E	C	C	C	C	C	C	C	C	C	C	L										
	LRPB Crusader, LRPB Spitfire, LRPB Mustang, LRPB Dart						E	E	C	C	C	C	C	C	C	C	C	C	L										

EARLY		CONVENTIONAL		LATE
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Wheat Suggested Sowing Timetables New South Sales

NORTHERN NSW District	Varieties	Planting time by weeks																																		
		March							April							May							June							July						
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4							
Slopes	LRPB Kittyhawk, LRPB Nighthawk																																			
	LRPB Lancer, LRPB Stealth																																			
	EGA Gregory, LRPB Flanker																																			
	LRPB Impala, LRPB Oryx, LRPB Reliant																																			
	LRPB Hellfire, LRPB Spitfire, LRPB Mustang																																			
Plains	LRPB Kittyhawk, LRPB Nighthawk																																			
	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth																																			
	LRPB Impala, LRPB Oryx, LRPB Reliant																																			
	LRPB Hellfire, LRPB Spitfire, LRPB Mustang																																			

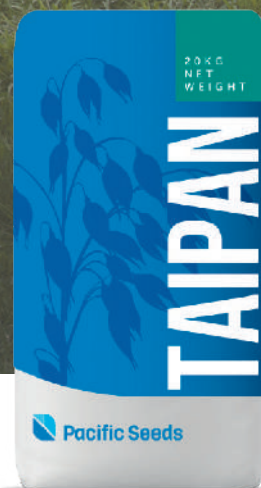
SOUTHERN NSW District	Varieties	Planting time by weeks																																		
		March							April							May							June							July						
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4							
Slopes	LRPB Kittyhawk, LRPB Nighthawk																																			
	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth																																			
	LRPB Impala, LRPB Oryx, LRPB Reliant																																			
	LRPB Hellfire, LRPB Spitfire, LRPB Mustang																																			
Plains	LRPB Kittyhawk, LRPB Nighthawk																																			
	EGA Gregory, LRPB Flanker, LRPB Lancer, LRPB Stealth																																			
	LRPB Impala, LRPB Oryx, LRPB Reliant																																			
	LRPB Hellfire, LRPB Spitfire, LRPB Mustang																																			

EARLY	CONVENTIONAL	LATE
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OATS

Pacific Seeds is driven by the desire to help Australian farmers succeed through cutting-edge solutions. Comet, Drover and Taipan take forage oats to new heights.

All three varieties are highly productive, each boasting their own unique traits and advantages designed to help your crop, your livestock and your business flourish.



Scan the QR Code to access the Pacific Seeds Grazing Oats Guide for agronomy advice to help maximise your crop performance.

COMET

ATTRIBUTES

Key features

- Semi erect variety with leaf rust resistance
- Establishes in warmer soils (up to 28°C) more readily than most varieties
- Ideal for early plantings for high quality autumn feed
- High dry matter production under dryland and irrigated conditions
- It will maintain vegetative growth well into late spring
- Ideal companion to Drover to complete your oats program
- Suitable for grazing and hay production

Plant type

Comet is a semi erect forage oats variety providing quick early feed. Under favourable growing conditions Comet will produce for multiple grazings.

Grazing management

Comet is ideally suited to cattle, particularly in a continuous grazing situation. For best results in a rotational grazing system it should not be grazed below the growing point located just above the highest node. Heavy grazing will result in poor regrowth. However, frequent grazing will help crop performance and minimise leaf rust development.

Soil temperature requirement

A major factor affecting the successful germination and establishment of oats is soil temperature. With early autumn sowing, warm soil may prevent seed from germinating. Laboratory tests and field experience have shown effective germination and establishment with maximum soil temperatures up to 28°C.

Dryland planting rates

CQ & Western Qld	25-40 kg/ha
Southern Qld	25-50 kg/ha
N & C NSW	25-50 kg/ha
S NSW & Vic	dryland 55-100 kg/ha irrigated 50-100 kg/ha
Tasmania	100 kg/ha

QUICK START QUALITY FEED

Maturity	Medium-late
Plant Type	Semi Erect
Leaf rust reaction	Resistant
Time to first grazing	Medium-quick
Don't graze below	10 - 15cm
Early winter feed	*****
Winter Feed	***
Spring Feed	****
Grazing - Cattle	Very Good
- Sheep	Good
- Horses	Very Good

DROVER

KEEPS 'EM IN WINTER AND SPRING FEED

ATTRIBUTES

In replicated cutting trials Drover has shown slightly lower dry matter yields than Taipan in the initial growth but higher yield through the winter months. Drover is slightly earlier to flower than Taipan.

Key features

- Good warm soil emergence (up to 28°C)
- Produces large quantities of winter feed
- Will remain vegetative into late spring
- High dry matter production
- Good choice for grazing and hay
- Intermediate growth habit

Background

Drover was selected for its high level of dry matter production and regrowth ability.

Plant type

Drover is a grazing oat with very good post grazing recovery. It has an intermediate growth habit similar to that of Warrego. Drover also has relatively low growing points which makes it suitable for high stocking rates for all classes of livestock.

Leaf rust resistance

Drover is now susceptible to the current races of leaf rust. However, good grazing or cutting management will reduce the impacts of leaf rust. Wider row spacings of at least 45cm will also minimise the effects of rust.

Grazing management

Drover is suitable for all classes of livestock, hay or silage production. For best regrowth do not graze below the growing point located just above the highest node.

Planting rates

CQ & Western Qld		25-40 kg/ha
Southern Qld		25-50 kg/ha
N & C NSW		25-50 kg/ha
S NSW & Vic	dryland	55 - 100 kg/ha
	irrigated	50 - 100 kg/ha
Tasmania		100 kg/ha

Maturity	Medium-late
Plant Type	Intermediate
Leaf rust reaction	Susceptible
Time to first grazing	Medium
Don't graze below	10 - 15cm
Early winter feed	***
Winter Feed	****
Spring Feed	****
Grazing - Cattle	Very Good
- Sheep	Good
- Horses	Very Good

TAIPAN

STRIKES FAST AND HANGS ON

ATTRIBUTES

Key features

- Erect plant with exceptionally quick early growth and high dry matter yields
- Establishes in warmer soils (up to 29°C) more readily than most varieties
- Good drought tolerance
- Produces large quantities of autumn and early winter feed
- Ideal for grazing
- It will maintain vegetative growth well into late spring

Background

Taipan was released under PBR in 2002. It was selected because of its exceptionally quick germination and establishment and its ability to hang on in tough growing conditions.

Plant type

Taipan is an erect oat providing quick, early growth. Under favourable growing conditions it can be grazed early in the season.

Rust resistance

Taipan is now susceptible to the current races of leaf rust. However, good grazing or cutting management will reduce the impacts of leaf rust. Wider row spacings of at least 45cm will also minimise the effects of rust.

Grazing management

Taipan is ideally suited to cattle, particularly in a continuous grazing situation. For best results in a rotational grazing system it should not be grazed below the growing point located just above the highest node. Heavy grazing will result in poor regrowth. However, frequent grazing will help crop performance and minimise leaf rust development.

Good drought tolerance

Taipan has demonstrated an ability to continue growing even in adverse conditions. It can handle hot dry conditions better than many other varieties, maintaining green palatable feed well into late spring.

Planting rates

CQ & Western Qld	25-40 kg/ha
Southern Qld	25-50 kg/ha
N & C NSW	25-50 kg/ha
S NSW & Vic	dryland 55 - 100 kg/ha
	irrigated 50 - 100 kg/ha
Tasmania	100 kg/ha

Maturity	Late
Plant Type	Erect
Leaf rust reaction	Susceptible
Time to first grazing	Quick
Don't graze below	10 - 15cm
Early winter feed	*****
Winter Feed	***
Spring Feed	****
Grazing - Cattle	Very Good
- Sheep	Good
- Horses	Very Good

FOR CURRENT INFORMATION ON PACIFIC SEEDS WHEAT AND
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Growing possibilities

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