



LongReach

Spitfire


KEY FEATURES

- A high yielding variety with early mid maturity, slightly quicker than Baxter in the north and similar to Ventura in the south
- Australian Prime Hard (APH) classification in Northern Zone and South Eastern Zone
- Good level of resistance to Stripe rust (MR) based on Adult Plant Resistance
- Long Coleoptiles with strong early seedling vigour
- Market leading grain package with large grain size, low screenings and high protein accumulation
- Excellent Yield potential under extreme Root Lesion Nematode pressure (MT-MI)

BREEDING Pedigree: Drysdale/Kukri

Spitfire (LPB05-2148) was bred by LongReach Plant Breeders, and has been extensively evaluated by the LongReach Plant Breeders technical team led by Dr Bertus Jacobs. The line was first entered into the National Variety Trials in 2008.

AGRONOMIC FEATURES

Spitfire is suited to main season plantings with early to mid season maturity, slightly quicker than Baxter in the north and similar to Ventura and Livingston in the south. Spitfire has a long coleoptile and is of medium plant height at maturity, fully awned, white chaffed and has white grain and is rated MS for lodging. Spitfire has large grain size similar to Ellison, larger than Ventura and Livingston. Appears well suited to Acid Soils with good yield performance in low pH soils.

Spitfire shows broad adaptation and has performed well in a range of seasons and environments across New South Wales and Queensland.

Table 2. Disease and Pest Resistance Ratings: Spitfire and commercial varieties.

Variety	Disease Ratings							Pest Reaction	
	Stem Rust	Leaf Rust	Stripe Rust	Stripe Rust	<i>Septoria tritici</i>	Crown Rot	Yellow Spot	RLN (<i>Pthornei</i>)	
			WA/Jackie	WA + Yr17 pt				Res	Tol
Crusader	R-MR	R	R-MR	MS	S	S	MS	S-VS	MI-I
Dart	MR	R-MR	MR	MR	MS	MS-S	MS	MS-S*	MI*
Ellison	MR	R	R	MS	MS-S	S-VS	MR-MS	S	I-VI
Lang	R	MR-MS	MS	MS	MS	MS-S	MS-S	S-VS	I
Livingston	MR-MS	R	R	MR-MS	S	S-VS	MS	MR-MS	MT-MI
Spitfire	MR	MS	MR	MR		MS	MS-S	VS	MT-MI
Sunvale	R	MR-MS	R	MR	MR-MS	MS-S	MS-S	MS-S	MT-MI
Ventura	R-MR	R	R	MS	MS	MS-S	S	MS	MT-MI

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 2013 & LongReach disease screens and breeder ratings * Preliminary Data Based on limited data set





Spitfire Yield in NVT Long Term Queensland Trials 2008 - 2012			
The table converted to percentage of Regional Mean Yield	CQ	SEQ	SWQ
Region Mean Yield (t/ha)	3.28	4.08	3.26
SPITFIRE	98.2	99.2	100.4
BAXTER	96.9	98.3	94.5
CRUSADER	95.1	98.0	94.9
DART	89.8	97.3	99.5
ELLISON	93.9	95.3	93.4
HARTOG	100.0	100.1	97.6
KENNEDY	96.0	98.3	95.7
LANG	98.2	98.6	95.7

Spitfire Yield in NVT Long Term New South Wales Trials 2008 - 2012				
The table converted to percentage of Regional Mean Yield	N/E	N/W	S/E	S/W
Region Mean Yield (t/ha)	3.89	3.30	3.48	2.82
SPITFIRE	104.4	103.5	101.9	103.4
CRUSADER	93.6	94.5	94.2	90.6
DART	102.1	99.5	95.4	100.7
ELLISON	91.7	91.5	92.5	89.8
KENNEDY	92.1	92.0	91.8	90.3
LANG	96.8	96.1	96.4	96.2
LIVINGSTON	106.3	103.4	102.3	105.7
MERINDA	104.9	103.4	101.9	103.9
MERLIN	105.2	103.5	100.4	104.5
VENTURA	98.9	101.3	100.3	98.7

New South Wales

Agrigrain
Narromine, NSW
Ph: 02 6889 2200

Grainland Pty Ltd
Moree, NSW
Ph: 02 6752 1511

Auswest Seeds
Forbes, NSW
Ph: 02 6852 1500

Hart Bros. Seeds
Junee, NSW
Ph: 02 6924 7206

Superior Seed Co
Deniliquin, NSW
Ph: 03 5881 6689

Queensland

PB Agrifood
Toowoomba, QLD
Ph: 07 4633 5555

Woods Seeds Pty Ltd
Goondiwindi, QLD
Ph: 07 4670 0400

Galleon Grains Pty Ltd
Springsure, QLD
Ph: 07 4984 6141



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