



New South Wales & Queensland

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KEY FEATURES

- A quick maturing main season variety
- APH classification in the Northern Zone and Southern Zone
- Quicker than Crusader and well suited to late plantings
- Solid grain package with consistent high protein accumulation
- Solid Stripe rust resistance package based on APR
- Very good resistance to Stem rusts (MR) and Leaf rust (R-MR)
- Low to mid tillering plant type that performs well in tight or shorter seasons

BREEDING Pedigree: Sunbrook/Janz//Kukri

Dart (LPB07-I325) 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 2010.

AGRONOMIC FEATURES

Dart is suited to main season planting windows with very quick maturity, earlier than Crusader, Spitfire and Livingston in NSW. This makes Dart ideally suited to later planting opportunities and fast finishing areas. Dart shows broad adaptation and has performed well in a range of seasons and environments across NSW and southern Queensland. Dart has long Coleoptile length with excellent early seedling vigour, it has short to medium plant height at maturity similar to Sunvale. Dart has good protein accumulation, similar to varieties such as Ellison and Spitfire.

Disease and Pest Resistance Ratings: Dart 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>P.thornei</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-S	MS-S	MR-MS	MS-S	MI
Ellison	MR	R	R	MS	MS-S	S-VS	MR-MS	S	I-VI
Lang	R	MR-MS	MS	MS	MR-MS	MS-S	MS-S	S-VS	I
Livingston	MR-MS	R	R	MR-MS	S-VS	S-VS	MS	MS	MT-MI
Spitfire	MR	MS	MR	MR	MS-S	MS	MS-S	MS	MT-MI
Sunvale	R	MR-MS	R	MR	MR-MS	MS-S	MS-S	MS	MT-MI
Ventura	R-MR	R	R	MS-S	MS-S	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 2014 & LongReach disease screens and breeder ratings * Preliminary Data Based on limited data set

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NVT MET analysis 2009-2013 for Main Season trials in New South Wales												
	South East NSW			South West NSW			North East NSW			North West NSW		
Variety	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count
Axe	3.61	100	39	3.44	100	30						
Baxter							3.24	87	26	2.81	90	30
Crusader	3.16	88	39	3.09	90	28	3.52	95	35	3.00	96	39
Dart	3.53	98	33	3.44	101	26	3.80	102	27	3.15	101	32
EGA Gregory	3.84	107	39	3.59	105	28	4.08	110	35	3.39	109	39
Kennedy	3.38	94	25	3.24	95	17	3.32	89	23	2.85	92	24
Lincoln	3.83	107	39	3.61	105	29	3.78	102	35	3.07	99	39
Livingston	3.71	103	39	3.51	103	28	3.99	107	35	3.29	106	39
Spitfire	3.60	100	39	3.50	102	29	3.88	104	35	3.23	104	39
Sunvale	3.51	98	39	3.34	98	28	3.69	99	35	3.06	98	39
Ventura	3.42	95	39	3.29	96	28	3.71	100	35	3.20	103	39
Region Mean Yield	3.59		39	3.43		30	3.72		35	3.11		39

NVT MET analysis 2009-2013 for Main Season trials in Queensland										
	Central QLD			South East QLD			South West QLD			
Variety	t/ha	%MY	Count	t/ha	%MY	Count	t/ha	%MY	Count	
Baxter	3.33	100	20	3.76	100	11	2.90	97	25	
Crusader	3.26	98	20	3.74	99	11	2.93	98	25	
Dart	3.12	93	13	3.76	99	7	2.95	98	19	
EGA Gregory	3.72	111	20	3.97	105	11	3.27	109	25	
Ellison	3.15	94	7	3.51	93	6	2.73	91	6	
Kennedy	3.29	98	20	3.62	96	11	2.82	94	25	
Livingston	3.28	98	19	3.89	103	11	3.10	103	25	
Spitfire	3.40	102	20	3.88	103	11	3.10	103	25	
Sunvale	3.27	98	7	3.76	99	5	2.96	99	12	
Ventura	3.66	109	20	3.92	104	11	3.17	106	25	
Region Mean Yield	3.35		20	3.78		11	3.00		25	

New South Wales

Agrigrain Narromine, NSW Ph: 02 6889 2200	Auswest Seeds Moree, NSW Ph: 02 6751 1209	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
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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	Associated Grain Dalby, QLD Ph: 07 4669 9500
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