

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

Pasteur Canada Western Special Purpose Wheat

Description:

Pasteur is a high yielding Special Purpose wheat with excellent grain yield potential and very good lodging resistance. In registration trials Pasteur also showed fair resistance to Fusarium Head Blight and reduced DON accumulation.

Parentage: Cadenza X (Palermo x KS91WGC11)

Strengths:

- 2.9% higher yield than AC Andrew and 23.2% higher yield than AC[®] Unity in co-op registration trials
- Excellent lodging resistance better than AC Andrew
- Resistant to prevalent races of leaf rust, stem rust and stripe rust
- Intermediate resistant to fusarium head blight with reduced DON accumulation

Neutral Traits:

- Intermediate resistance to leaf spots

Weaknesses:

- 3 days later maturing than AC Andrew
- Susceptible to common bunt and loose smut

Breeder:

Wiersum Plant Breeding, Netherlands

2008-2010 General Purpose Wheat Cooperative Registration Trials

Variety	Mean* (kg/ha)	% Mean*	Maturity* (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)
AC Andrew	5867	109	109	1.9	85	76.2	36.9
AC [®] Unity VB	4903	91	105	2.8	94	79.5	36.3
Pasteur	6339	112	112	1.7	87	78.9	39.1

*Mean is 2008-2009 data only as 2010 data was dropped due to a high CV
F=Fair; P=Poor; VP=Very Poor; ---=Insufficient data

2023 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 81cm	Spike Awned	Resistance to:									
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB	
AAC Awesome VB	33	92	11.6	4	10	Y	G	P	I	I	I	R	MR	R	I	
AAC Brandon	97	73	14.5	2	0	Y	VG	P	MR	S	I	R	R	MR	MR	
AAC Paramount VB	34	87	11.5	4	8	Y	VG	P	MR	S	---	I	I	R	MS	
AC® Sadash VB	35	77	10.8	4	8	Y	VG	P	I	S	---	MR	I	R	S	
KWS® Alderon	33	81	12.0	9	-5	N	VG	F	---	MS	I	MR	R	MR	---	
KWS® Sparrow VB	33	83	12.6	8	0	N	VG	G	---	I	I	MR	R	MR	---	
WPB Whistler	31	83	11.9	7	1	N	VG	---	---	I	---	R	R	R	I	
Pasteur	39	81	13.0	7	5	N	VG	G	MS	S	I	MR	R	MR	I	

Lodging Ratings: F=Fair; G=Good; VG=Very Good

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2023 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % AAC Brandon		Protein	Resistance to:									Awns	Stem Solid-ness	Relative Maturity (days)	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AAC Brandon	6	100	100	14.3	G	P	R	R	MR	MR	S	I	MR	Y	H	101	35.9	80.6	81
AAC Awesome VB	5	125	126	-3.1	F	P	R	MR	R	I	I	I	I	Y	H	+1	+4.2	-1.6	+8
AAC Paramount VB	5	122	122	-3.3	VG	P	I	R	MR	S	---	MS	Y	H	+1	+0.7	-2.8	+8	
AC Andrew	5	122	129	-3.0	VG	P	MR	MS	I	S	S	---	I	Y	H	+1	+0.1	-3.2	+1
AC® Sadash VB	5	129	131	-3.7	VG	P	MR	I	R	I	S	---	S	Y	H	0	-0.7	-2.7	+4
KWS® Alderon	5	126	121	-3.0	VG	F	MR	R	MR	---	MS	I	MS	N	H	+4	+0.1	-7.4	-5
KWS® Sparrow VB	5	124	125	-2.6	VG	G	MR	R	MR	---	I	I	MR	N	H	+4	-0.2	-4.3	+1
WPB Whistler	3	106	120	-2.9	VG	G	R	R	R	---	I	---	MS	N	H	+3	+1.5	-4.7	-3
Pasteur	5	112	118	-2.0	VG	G	MR	R	MR	MS	S	I	I	N	H	+2	+0.3	-1.2	+5

VG = Very Good; G = Good; F = Fair; P = Poor; VP = Very Poor; Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2023 Alberta Seed Guide – Special Purpose and Soft White Spring Wheat Comparison

Variety	Most Recent Year of Testing	Station years of testing	Overall yield	Yield Category (% AAC Brandon)		Maturity Rating (Days +/- AAC Brandon)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Awns (Y/N)	Resistance to:		Disease Tolerance:		
				Low <77 bu/ac	High >77 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
AAC Brandon (bu/ac)			83													
AAC Brandon - check	2022		100	100	100	104	14.0	63	40	84	Y	G	P	S	MR	MR
AAC Awesome VB	2018	37	128	124	129	0	-2.5	62	44	92	Y	G	P	I	R	I
AAC Paramount VB	2019	39	125	116	127	0	-3.0	61	41	89	Y	VG	P	S	R	MS
AC Andrew	2022	57	119	113	122	+1	-3.1	62	40	85	Y	VG	P	S	I	I
AC® Sadash VB	2019	39	125	118	127	0	-3.2	63	40	88	Y	VG	P	S	R	S
KWS® Alderon	2018	37	128	116	131	+4	-2.8	58	41	81	N	VG	F	MS	MR	MS
KWS® Sparrow VB	2018	37	128	122	130	+4	-2.6	60	41	85	N	VG	G	I	MR	MR
WPB Whistler	2021	27	120	113	122	+3	-2.6	59	41	78	N	VG	XX	I	R	MS
Pasteur	2021	41	120	115	122	+3	-2.0	61	41	85	N	VG	G	S	MR	I

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