

Technical Bulletin

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SeCan

Canada's Seed Partner

Alotta

Canada Western Special Purpose Wheat

91

Progress Through Research
Le progrès grâce à la recherche

Description:

Alotta is a very high yielding special purpose wheat with a large, hard red type kernel. This CWSP has short strong straw with an excellent disease resistance package. Alotta (tested as GP250) is unique in that it is derived from a cross made at the International Centre for Maize and Wheat (CIMMYT) at Toluca, Mexico in 2007 and is the first of almost 40,000 lines screened by University of Alberta to reach the stage of commercial release. Alotta is suitable to all growing regions of western Canada.

Neutral Traits or Weaknesses:

- Intermediate resistance to common bunt
- Moderately susceptible to FHB

Breeder:

Dean Spaner, Muhammad Iqbal and Team at the University of Alberta

PBR 91 Applied For



Parentage: Mercato/Vorobey

Strengths:

- ✓ Yield 104% of AC Andrew and 107% of Pasteur in Coop registration trials
- ✓ 2 days earlier than Pasteur and similar to AAC Awesome VB
- ✓ 4 cm shorter than AC Andrew and 5 cm shorter than Pasteur
- ✓ Good straw strength, similar to Pasteur
- ✓ Rated resistant to common races of Leaf, Stem and Stripe rust
- ✓ Very large hard red type kernel



2020-2021 Special Purpose Coop Registration Trials

Variety	Mean (kg/ha)	Yield as % Pasteur	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)
AC Andrew	5704	100	96	3	74.5	77.8	35.5
Pasteur	5554	97	99	2	78	78.6	36.7
AAC Awesome	5947	104	97	3	84	79.1	38.3
Alotta (GP250)	5952	104	97	2	73	78.8	41.4
No. sites	18		18	5	21	19	19

For more information, call 1-800-665-7333 or visit www.secan.com

2025 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	122	74	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
Pasteur	39	81	13.1	7	5	N	VG	G	MS	S	I	MR	R	MR	I
WPB Whistler	31	83	11.8	7	1	N	VG	F	---	I	---	R	R	R	MS
Alotta	18	94	11.6	4	-1	Y	VG	---	---	I	---	R	R	R	MS

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

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

2025 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	F	P	R	R	MR	MR	S	I	MR	Y	H	101	35.7	80.7	81
AAC Awesome VB	5	125	126	-3.0	F	P	R	MR	R	I	I	I	I	Y	H	+1	+4.2	-1.5	+7
AAC Paramount VB	5	122	122	-3.2	VG	P	I	I	R	MR	S	---	MS	Y	H	+1	+0.9	-2.7	+7
AC Andrew	5	122	124	-2.9	G	P	MR	MS	I	S	S	---	I	Y	H	+1	+0.4	-3.0	+1
AC® Sadash VB	5	127	125	-3.6	G	P	MR	I	R	I	S	---	S	Y	H	+1	-0.4	-2.7	+4
KWS® Sparrow VB	5	123	125	-2.5	VG	G	MR	R	MR	---	I	I	MR	N	H	+4	0.0	-4.2	+1
Pasteur	5	112	119	-1.9	VG	G	MR	R	MR	MS	S	I	I	N	H	+3	+0.5	-1.2	+5
WPB Whistler	5	108	116	-2.6	VG	F	R	R	R	---	I	---	MS	N	S	+3	+2.1	-4.5	-3
Alotta	2	111	122	-2.2	VG	---	R	R	R	---	I	---	MS	Y	H	+1	+7.4	-2.0	-2

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

2025 Alberta Seed Guide – Special Purpose 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)			81	54	92											
AAC Brandon	2024	87	100	100	100	104	14.0	64	39	84	Y	F	P	S	MR	MR
AAC Awesome VB	2024	49	122	113	126	+1	-2.3	63	44	91	Y	F	P	I	R	I
KWS® Alderon	2018	37	125	114	129	+4	-2.8	58	41	81	N	VG	F	MS	MR	MS
KWS® Sparrow VB	2018	37	126	120	128	+4	-2.6	60	41	85	N	VG	G	I	MR	MR
Pasteur	2023	64	119	111	122	+3	-2.4	63	39	86	N	VG	G	S	MR	I
WPB Whistler	2021	27	120	113	122	+3	-2.6	60	40	78	N	VG	XX	I	R	MS
Alotta	2024	23	117	110	123	+1	-2.7	63	48	82	Y	VG	XX	I	R	MS

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