

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

Alotta

Canada Western Special Purpose Wheat



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.

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

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



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

2024 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	93	11.6	4	10	Y	G	P	I	I	I	R	MR	R	I
AAC Brandon	109	74	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Paramount VB	34	88	11.5	4	8	Y	VG	P	MR	S	---	I	I	R	MS
Pasteur	39	82	13.1	7	5	N	VG	G	MS	S	I	MR	R	MR	I
WPB Whistler	31	83	11.8	7	1	N	VG	G	---	I	---	R	R	R	I
Alotta	5	96	12.4	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

2024 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % AAC Brandon		Protein	Resistance to:									Awns	Stem Solidness	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	80.7	81
AAC Awesome VB	5	125	126	-3.0	F	P	R	MR	R	I	I	I	I	Y	H	+1	+4.2	-1.6	+8
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	-0.1	-4.3	+1
Pasteur	5	112	118	-2.0	VG	G	MR	R	MR	MS	S	I	I	N	H	+2	+0.4	-1.2	+5
WPB Whistler	4	108	118	-2.9	VG	F	R	R	R	---	I	---	MS	N	S	+3	+1.5	-4.6	-3
Alotta	Insufficient Data to Publish																		

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
Stem Solidness: H = Hollow, SS = semi-solid, S = solid;

2024 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	52	94											
AAC Brandon - check	2023	71	100	100	100	104	14.0	63	39	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
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
Pasteur	2021	52	119	113	120	+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	F	I	R	MS
Alotta	Insufficient Data to Publish															

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