

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Awesome VB Canada Western Special Purpose Wheat



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Awesome VB is a very high yielding special purpose spring (with a soft white kernel type) wheat with a strong agronomic package. AAC Awesome VB has good straw strength and excellent disease package. AAC Awesome VB has the SM1 gene for tolerance to the orange wheat blossom midge (AC Andrew is the refuge). AAC Awesome VB has maturity similar to AC Andrew, manage maturity by seeding early and increasing seeding rate to hasten maturity.

Parentage: 93FHB37/2*Andrew//SWS366

Strengths:

- 14% higher yield than AC Andrew and 12% higher yield than AC[®] Sadash in Cooperative Registration trials
- Good lodging resistance
- Larger kernel size and excellent test weight
- Good resistance to stripe rust, leaf rust and stem rust

Neutral Traits:

- 3cm taller than AC Andrew
- Maturity similar to AC Andrew and AC[®] Sadash
- Intermediate resistance to common bunt and loose smut

Weaknesses:

- Intermediate resistance to FHB

Breeder:

Dr. Harpinder Randhawa
Agriculture and Agri-Food Canada
Lethbridge Research Centre, Lethbridge AB

PBR 91 Protected

2013-2015 General Purpose Cooperative Registration Trials

Variety	Mean* (kg/ha)	% AC Andrew	Maturity* (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)
AC Andrew	5744	100	101	1.8	86	75.9	35.7
Pasteur	6151	105	103	1.8	85	79.4	37.7
AC [®] Sadash	5879	102	101	2.1	87	77.5	34.3
AAC Awesome VB	6533	114	101	2.2	90	78.8	41.4

Variety	Leaf Rust	Stem Rust	Stripe Rust	Common Bunt	Loose Smut	Leaf Spot	FHB
AC Andrew	MS	MR	I	S	S	MS	I
Pasteur	R	MR	MR	S	MS	I	I
AC [®] Sadash	I	MR	R	S	I	I	S
AAC Awesome VB	MR	R	R	I	I	I	I

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

2022 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 Brandon	85	71	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Paramount	34	84	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	78	12.0	9	-5	N	VG	F	---	MS	I	MR	R	MR	---
KWS® Sparrow VB	33	81	12.5	8	0	N	VG	G	---	I	I	MR	R	MR	---
Pasteur	39	79	12.9	7	5	N	VG	G	MS	S	I	MR	R	MR	I
WPB Whistler	31	80	11.8	7	1	N	VG	---	---	I	---	R	R	R	I
AAC Awesome VB	33	89	11.5	4	10	Y	G	P	I	I	I	R	MR	R	I

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

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

2022 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	Irrigation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AAC Brandon	6	100	100	100	14.3	G	P	R	R	MR	MR	S	I	MR	Y	H	101	35.9	80.5	81
AAC Paramount VB	5	122	122	128	-3.2	VG	P	I	I	R	MR	S	---	MS	Y	H	+1	+0.5	-2.9	+7
AC Andrew	5	122	129	---	-2.9	VG	P	MR	MS	I	S	S	---	I	Y	H	+1	-0.2	-3.3	0
AC® Sadash VB	5	129	131	---	-3.6	VG	P	MR	I	R	I	S	---	S	Y	H	0	-1.0	-2.8	+3
KWS® Alderon	5	126	121	121	-2.9	VG	F	MR	R	MR	---	MS	I	MS	N	H	+4	-0.1	-7.6	-5
KWS® Sparrow VB	5	124	125	128	-2.5	VG	G	MR	R	MR	---	I	I	MR	N	H	+4	-0.4	-4.4	0
Pasteur	5	112	118	---	-1.9	VG	G	MR	R	MR	MS	S	I	I	N	H	+2	+0.1	-1.4	+4
WPB Whistler	2	99	115	---	-2.9	VG	---	R	R	R	---	I	---	MS	---	H	+3	+1.6	-4.4	-4
AAC Awesome VB	5	125	126	127	-3.0	F	P	R	MR	R	I	I	I	I	Y	H	+1	+4.0	-1.7	+7

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

2022 Alberta Seed Guide – Special Purpose and Soft White Spring Wheat Comparison

Variety	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:		
	Station years of testing	Overall yield	Low <77 bu/ac	High >77 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
AAC Brandon (bu/ac)		83	52	93											
AAC Brandon - check		100	100	100	104	14.0	63	40	84	Y	G	P	S	MR	MR
AAC Paramount VB	39	125	116	127	0	-3.0	61	41	89	Y	VG	P	S	R	MS
AC Andrew	44	121	115	123	+1	-3.1	61	40	85	Y	VG	P	A	I	I
AC® Sadash VB	39	125	118	127	0	-3.2	63	40	88	Y	VG	P	A	R	S
KWS® Alderon	37	128	116	131	+4	-2.8	58	41	81	N	VG	F	MS	MR	MS
KWS® Sparrow VB	37	128	122	130	+4	-2.6	60	41	85	N	VG	G	I	MR	MR
Pasteur	41	120	115	122	+3	-2.0	61	41	85	N	VG	G	S	MR	I
WPB Whistler	27	120	113	122	+3	-2.6	59	41	78	N	VG	XX	I	R	MS
AAC Awesome VB	37	128	124	129	0	-2.5	62	44	92	Y	G	P	I	R	I

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