

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

2019 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 91cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Brandon	60	69	14.2	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Penhold	44	74	13.8	+1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AC Andrew	30	77	10.9	+4	+3	Y	VG	P	S	S	---	MR	MS	I	I
KWS® Alderon	20	78	11.9	+9	-5	N	VG	F	---	MS	I	MR	R	MR	---
KWS® Charing VB	20	79	12.5	+9	0	N	VG	G	---	---	MR	---	MR	R	---
KWS® Sparrow VB	20	80	12.5	8	0	N	VG	G	---	I	I	MR	R	MR	---
Pasteur	39	78	12.8	+7	+5	N	VG	G	MS	S	I	MR	R	MR	I
AAC Awesome VB	33	88	11.4	+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

2019 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % of Carberry			Protein	Resistance to:									Relative Maturity (days)	Head Awnedness	Seed Weight (mg)	Test Weight (kg/ha)	Height (cm)
		Area 1 & 2	Area 3 & 4	Irrigation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB					
AC® Carberry	6	100	100	100	14.6	VG	F	MR	R	MR	MR	R	MS	MR	99	Y	35.7	80.3	83
AAC Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.1	0.0	-1
AC Andrew	5	130	137	---	---	VG	P	MR	MS	I	S	S	---	I	+2	Y	-1.4	-5.0	+3
KWS® Alderon	3	140	133	---	-3.4	VG	F	MR	R	MR	---	MS	I	---	+4	N	+1.0	-7.0	-5
KWS® Charing VB	2	138	133	---	-2.9	VG	G	---	MR	R	---	---	MR	---	+5	N	+0.9	-3.9	-1
KWS® Sparrow VB	3	138	134	---	-2.9	VG	G	MR	R	MR	---	I	I	---	+4	N	+0.1	-4.0	0
Pasteur	5	127	133	---	-2.1	VG	G	MR	R	MR	MS	S	I	I	+3	N	+1.3	-0.9	+4
AAC Awesome VB	3	136	134	---	-3.3	F	P	R	MR	R	I	I	I	I	+1	Y	+5.2	-0.9	+7

G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

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

2019 Alberta Seed Guide – CPS & GP Wheat Comparison

Variety	Overall Yield		Test Yield Category			Maturity Rating	Protein %	Test Weight (lb/bu)	TSW (g)	Height (cm)	Resistance to:		Disease Tolerance						
	All Sites	Station years of testing	Low < 55 bu/ac	Med 55 - 80 bu/ac	High >80 bu/ac						Lodging	Sprouting	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB		
			Yield as % of AC® Carberry																
AC® Carberry (bu/ac)	71		37	58	83														
AC® Carberry	100		100	100	100	L	14.0	63	40	79	VG	F	MR	R	MR	MS	MR		
KWS® Alderon	135	41	XX	122	143	XL	-2.8	58	41	74	VG	F	XX	MS	MR	I	XX		
KWS® Charing VB	138	41	XX	135	143	XL	-2.5	60	41	79	VG	G	XX	XX	R	MR	XX		
KWS® Sparrow VB	136	41	XX	130	141	XL	-2.6	60	41	79	VG	G	XX	I	MR	I	XX		
Pasteur	131	30	XX	127	135	XL	-3	63	40	81	VG	G	MS	S	MR	I	I		
AAC Awesome VB	135	41	XX	134	139	L	-2.5	62	44	89	G	P	I	I	R	I	I		

Ratings: 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

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