

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Stoughton VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

AAC Stoughton VB is a very high yielding semi-dwarf CWRS with good lodging tolerance and is rated MR to FHB resistance. AAC Stoughton VB is also tolerant to the orange wheat blossom midge. AAC Stoughton VB is well-adapted to all the wheat growing regions across the western Canadian Prairies.

Certified seed of AAC Stoughton VB will be sold as a varietal blend made up of 90% AAC Stoughton and 10% AAC Westking. Blending with the midge susceptible variety AAC Westking provides a refuge area for non-virulent midge to survive at low levels, thereby extending the useful life of the *Sm1* midge tolerant gene.

Parentage: AAC Goodwin/AAC Alida

Strengths:

- 109% of the grain yield of AAC Brandon
- Semi-dwarf, 3cm taller than AAC Brandon
- Good lodging tolerance, better than AAC Brandon (somewhere between AAC Wheatland VB and AAC Starbuck VB)
- Large kernel, **35.4mg** compared to **33.2g** for AAC Brandon
- Resistant rating to stem rust and leaf rust
- Moderately resistant rating to FHB and bunt
- Midge tolerant with AAC Westking as refuge

Neutral Traits:

- 0.5 days later maturity than AAC Brandon
- Intermediate resistance to stripe rust
- Fair rating for sprouting tolerance (better than AAC Brandon)

Weakness:

- 1% lower protein than AAC Brandon

Breeder:

Dr. Richard Cuthbert
Swift Current Research and Development Centre
Agriculture and Agri-Food Canada
Swift Current, SK

PBR 91 Applied For

2020-2022 Western Bread Wheat C Registration Trials - Registration Data

Variety	Yield (% AAC Brandon)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg)	Grain Protein (%)	FHB Resistance Rating
AAC Brandon	100	93.4	2.7	79	81.2	33.2	14.9	MR
AC® Carberry	97	93.2	1.7	80	81.3	33.8	14.9	MR
AAC Viewfield	105	93.1	2.6	77	81.7	31.4	14.4	I
Glenn	94	92.8	2.4	86	83.2	32.2	14.8	I
AAC Stoughton	109	93.9	2.0	82	81.6	35.4	13.9	MR
Station Years	34	30	5	33	34	34	34	

VB = varietal blend R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

'AC' is an official mark used under license from Agriculture & Agri-Food Canada

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 Alida VB	33	73	14.7	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR
AAC Brandon	122	74	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Redstar	31	72	14.4	0	6	Y	VG	G	---	MR	---	R	MR	MR	MR
AAC Spike	18	71	13.8	0	-6	Y	VG	G	---	MR	---	R	R	R	MR
AAC Starbuck VB	37	77	14.7	1	1	Y	G	F	MR	S	S	I	MR	MR	MR
AAC Westking	18	76	14.3	2	-3	Y	VG	F	---	R	---	MR	R	I	MR
AAC Wheatland VB	33	77	14.5	1	0	Y	VG	G	R	MR	S	R	R	I	I
CDC SKRush	31	75	14.6	2	4	Y	VG	P	---	I	---	MR	R	MR	MR
AAC Stoughton VB	18	76	13.2	3	2	Y	G	---	---	MR	---	R	R	I	MR

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	R	S	I	MR	Y	H	101	35.9	80.7	81
AAC Alida VB	5	97	98	+0.1	VG	VG	R	R	MR	R	I	MS	MR	Y	H	0	+1.0	+0.2	+6
AAC Redstar	5	95	99	-0.1	F	G	R	MR	MR	---	MR	---	MR	Y	H	-2	-0.5	-1.3	+8
AAC Oakman VB	1	95	98	-0.2	G	F	R	R	R	---	R	---	I	Y	S	0	-2	-2.6	-1
AAC Spike	2	99	96	-0.1	VG	F	R	R	R	---	MR	---	MR	Y	H	-1	-1.8	+0.4	-6
AAC Starbuck VB	5	104	108	-0.2	F	F	I	MR	MR	MR	S	S	MR	Y	H	0	-0.2	+0.4	+2
AAC Westking	2	103	104	-0.1	VG	G	MR	R	I	MR	R	---	MR	Y	H	-1	+1.6	+0.1	+0.2
AAC Wheatland VB	5	104	106	-0.2	G	G	R	R	I	R	MR	S	I	Y	H	0	-0.7	+0.1	+1
CDC SKRush	5	99	103	-0.1	F	P	MR	R	MR	---	I	---	MR	Y	H	-1	-3.8	-0.9	+7
AAC Stoughton VB	2	105	106	-0.5	G	F	R	R	I	R	R	---	MR	Y	H	0	+0.7	+0.4	+4

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

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

2025 Alberta Seed Guide - CWRs 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)			76	58	96											
AAC Brandon - check	2024	159	100	100	100	104	14.0	63	39	84	Y	F	P	S	MR	MR
AAC Redstar	2022	31	96	92	101	-2	0.0	63	36	90	Y	VG	G	MR	MR	MR
AAC Spike	2024	35	97	96	98	-2	-0.4	63	36	76	Y	VG	G	MR	R	MR
AAC Starbuck VB	2020	36	103	104	102	0	-0.2	63	39	87	Y	G	F	S	MR	MR
AAC Westking	2024	38	102	99	104	0	-0.1	63	41	85	Y	VG	VG	R	I	MR
AAC Wheatland VB	2020	36	104	104	104	0	-0.5	63	40	86	Y	VG	VG	MR	I	I
CDC SKRush	2022	31	100	97	104	-1	-0.1	63	33	93	Y	F	P	I	MR	MR
AAC Stoughton VB	2024	38	104	99	109	0	-0.8	64	40	87	Y	G	F	MR	I	MR

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

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