

Technical Bulletin

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SeCan

Canada's Seed Partner

AAC Oakman VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

AAC Oakman VB is a semi-dwarf solid stem CWRS with very good lodging tolerance and impressive disease resistance. AAC Oakman VB is also tolerant to the orange wheat blossom midge. AAC Oakman VB is well-adapted to all the wheat growing regions across the western Canada that have wheat stem sawfly.

Certified seed of AAC Oakman VB will be sold as a varietal blend made up of 90% AAC Oakman and 10% AAC Brandon. Blending with the midge susceptible variety AAC Brandon 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 Concord/AAC Alida

Strengths:

- Solid stem for best-in-class resistance to wheat stem sawfly
- Semi-dwarf, 3cm taller than AAC Brandon
- Very good lodging tolerance
- Resistant rating to bunt, leaf, stem and stripe rust
- Midge tolerant with AAC Brandon as refuge

Neutral Traits:

- Intermediate resistance to FHB
- 3% lower yielding than AAC Brandon

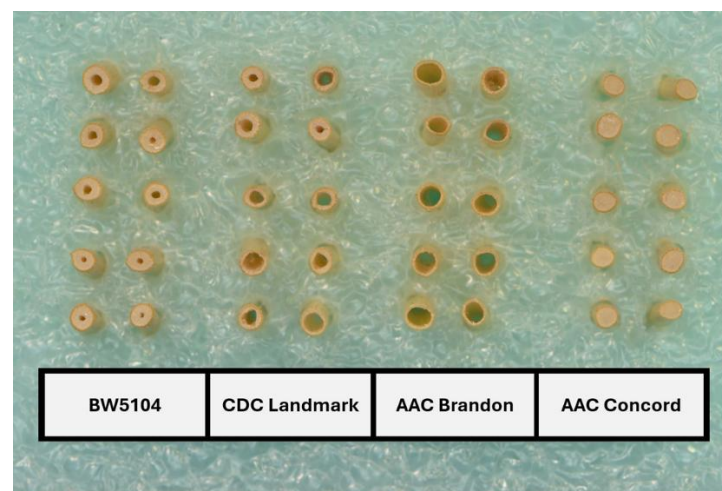
Weakness:

- 0.7% lower protein than AAC Brandon
- 1.5 days later maturity than AAC Brandon

Breeder:

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

PBR 91 Applied For



2021-2022 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	91.7	2.7	75	81.4	34.4	14.8	MR
AC® Carberry	94	91.7	1.8	76	81.7	34.9	14.8	MR
Glenn	94	91.6	2.2	80	83.6	33.3	14.7	I
AAC Oakman (BW5104)	97	93.2	1.5	78	81.1	33.1	14.1	I
Station Years	34	31	5	33	34	34	34	

VB = varietal blend R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible
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For more information, call 1-800-665-7333 or visit www.secan.com

2026 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	75	14.7	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR
AAC Brandon	136	75	14.5	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Redstar	31	73	14.5	0	6	Y	VG	G	---	MR	---	R	MR	MR	MR
AAC Spike	32	73	14.3	0	-6	Y	VG	F	---	MR	---	R	R	R	MR
AAC Starbuck VB	38	78	14.7	1	1	Y	G	F	MR	S	S	I	MR	MR	MR
AAC Stoughton VB	32	77	13.5	3	2	Y	G	F	---	MR	---	R	R	I	MR
AAC Westking	32	77	14.1	2	-3	Y	VG	G	---	R	---	MR	R	I	MR
AAC Wheatland VB	33	78	14.5	1	0	Y	VG	G	R	MR	S	R	R	I	I
CDC SKRush	31	77	14.6	2	4	Y	VG	P	---	I	---	MR	R	MR	MR
AAC Oakman VB	21	72	13.7	3	4	Y	VG	F	---	R	---	R	R	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

2026 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % AAC Brandon			-----Resistance to:-----									Awns	Stem Solid-ness	Relative Maturity (days)	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4	Protein	Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB			-----Relative to AAC Brandon-----			
AAC Brandon	6	100	100	14.3	F	P	R	R	MR	MR	S	I	MR	Y	H	101	36.2	80.9	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 Rivers VB	1	105	108	-0.2	F	F	R	F	MR	---	I	---	I	Y	H	0	+2.4	-0.5	+4
AAC Spike	3	96	97	-0.1	VG	F	R	R	R	---	MR	---	MR	Y	H	-1	-2	+0.5	-7
AAC Starbuck VB	5	104	108	-0.2	F	F	I	MR	MR	MR	S	S	MR	Y	H	0	-0.1	+0.4	+1
AAC Stoughton VB	3	105	106	-0.6	G	F	R	R	I	R	R	---	MR	Y	H	0	+0.8	+0.4	+4
AAC Westking	3	102	104	-0.2	VG	G	MR	R	I	MR	R	---	MR	Y	H	-1	+1.9	0	-1
AAC Wheatland VB	5	104	106	-0.2	G	G	R	R	I	R	MR	S	I	Y	H	0	-0.6	+0.1	+1
AAC Oakman VB	2	95	98	-0.2	G	F	R	R	R	---	R	---	I	Y	S	0	-1.9	-1.7	0

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

2026 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	97											
AAC Brandon - check	2025	195	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	2025	52	96	94	97	-2	-0.3	63	36	75	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 Stoughton VB	2025	55	105	100	109	0	-0.6	64	40	87	Y	G	F	MR	I	MR
AAC Westking	2025	55	102	100	103	0	-0.1	63	41	82	Y	VG	VG	R	I	MR
AAC Wheatland VB	2025	52	102	103	102	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 Oakman VB	2025	44	96	93	99	1	-0.4	63	38	84	Y	VG	F	R	R	I

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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