

Technical Bulletin

Genes that fit *your* farm.



AAC Wheatland VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

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

Certified seed of AAC Wheatland VB will be sold as a varietal blend made up of 90% AAC Wheatland 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 tolerance gene.

Parentage: **BD94B*D0248/*2 Carberry**

Strengths:

- 112% of the grain yield of AC[®] Carberry
- Semi-dwarf with height similar to AC[®] Carberry
- Excellent lodging tolerance, better than AC[®] Carberry
- Good sprouting resistance
- Resistant to stem rust, leaf rust and loose smut
- Moderately resistant to bunt
- Good milling characteristics including high falling number during registration trials

Neutral Traits:

- Grain protein potential similar to AC[®] Carberry
- Maturity similar to AC[®] Carberry
- Intermediate resistance to FHB and stripe rust

Weakness:

- Susceptible to leaf spot

Breeder:

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

PBR 91 Protected

2015-2017 Western Bread Wheat Registration Trials - Registration Data

Variety	Yield (% AC Carberry)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)	Grain Protein (%)	FHB Resistance Rating
AC [®] Carberry	100	100.2	1.8	82	80.3	34.6	14.6	MR
AC [®] Unity VB	104	96.9	3.4	93	80.4	33.0	14.3	I
AAC Viewfield	109	100.4	1.7	77	81.1	32.6	14.6	I
Glenn	98	100	2.1	88	82.7	33.5	14.6	I
AAC Wheatland VB*	112	100.6	1.7	81	80.8	34.6	14.5	I

*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

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 Alida VB	33	69	14.7	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR
AAC Brandon	85	71	14.4	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Redstar	31	69	14.4	0	6	Y	VG	---	---	MR	---	R	MR	MR	MR
AAC Starbuck VB	34	74	14.6	1	1	Y	G	F	MR	S	S	I	MR	MR	MR
AAC Tisdale	32	69	15.2	1	8	Y	G	F	MR	MR	MS	R	R	S	MR
CDC SKRush	31	73	14.6	2	4	Y	VG	---	---	I	---	MR	R	MR	MR
AAC Wheatland VB	33	74	14.4	1	0	Y	VG	G	R	MR	S	R	R	I	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/hi)	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 Alida VB	5	98	98	91	+0.2	VG	VG	R	R	MR	R	I	MS	MR	Y	H	0	+1.3	+0.2	+7	
AAC Redstar	2	89	102	---	-0.2	F	G	R	MR	MR	---	MR	---	MR	Y	H	-2	-0.1	-1.3	+7	
AAC Starbuck VB	4	104	106	---	-0.1	F	F	I	MR	MR	MR	S	S	MR	Y	H	0	+0.3	+0.3	+3	
AAC Tisdale	5	95	98	---	+0.9	F	F	R	R	S	MR	MR	MS	MR	Y	H	-2	+0.4	-0.6	+8	
AC® Carberry	6	94	94	92	+0.3	VG	F	MR	R	MR	MR	R	MS	MR	Y	H	0	-0.3	-0.2	0	
CDC SKRush	3	100	103	---	-0.1	G	P	MR	R	MR	---	I	---	MR	Y	H	-1	-3.3	-1.0	+7	
Ellerslie	3	93	95	---	0.0	VG	F	R	MR	R	---	S	---	I	N	H	-2	-3.2	-2.7	+7	
AAC Wheatland VB	4	104	104	---	-0.2	VG	G	R	R	I	R	MR	S	I	Y	H	0	-0.3	+0.1	+2	

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

2022 Alberta Seed Guide - CWRS 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)		75	60	96											
AAC Brandon - check	74	100	100	100	104	14.0	63	40	84	Y	G	P	S	MR	MR
AAC Alida VB	37	94	97	93	0	-0.2	63	41	91	Y	G	VG	I	MR	MR
AAC Redstar	18	96	92	103	-3	0.1	63	40	90	Y	F	G	MR	MR	MR
AAC Starbuck VB	36	103	104	102	0	-0.2	63	39	87	Y	F	F	S	MR	MR
AAC Tisdale	37	94	94	94	-1	+0.6	63	42	93	Y	F	F	MR	S	MR
AC® Carberry	45	93	93	93	0	0.0	63	39	84	Y	VG	F	R	MR	MR
CDC SKRush	18	101	97	109	0	-0.2	63	37	94	Y	G	P	I	MR	MR
Ellerslie	31	98	94	103	-1	-0.3	62	37	90	N	VG	G	S	R	I
Parata	37	87	86	88	-4	+0.2	63	39	94	Y	F	F	S	MR	I
AAC Wheatland VB	36	104	104	104	0	-0.5	63	40	86	Y	VG	G	MR	I	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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