Technical Bulletin

Genes that fit *your* farm.

SeCan
Canada's Seed Partner

AAC Starbuck VB

Canada Western Red Spring Wheat

91
Progress Through Research
Le progrès grâce à la recherche

MIDGE TOLERANT WHEAT
Plant·Protect·Preserve

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

Certified seed of AAC Starbuck VB will be sold as a varietal blend made up of 90% AAC Starbuck 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: Griffon/BW876//Carberry

Strengths:
- 114% of the grain yield of AC® Carberry
- Semi-dwarf with height similar to AC® Carberry
- Moderately resistant to FHB, low DON accumulation
- Moderately resistant to leaf rust, stripe rust and loose smut

Neutral Traits:
- Grain protein potential similar to AC® Carberry
- Maturity similar to AC® Carberry
- Slightly weaker straw strength compared to AC® Carberry
- Intermediate resistance to stem rust

Weakness:
- Susceptible to common bunt and 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 Starbuck VB	**114**	**100.8**	**2.1**	**82**	**81.1**	**35.1**	**14.6**	**MR**

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

2023 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	72	14.7	2	6	Y	VG	VG	R	I	MS	R	R	MR	MR
AAC Brandon	97	73	14.5	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Redstar	31	72	14.5	0	6	Y	VG	G	---	MR	---	R	MR	MR	MR
AAC Tisdale	32	72	15.3	1	8	Y	G	F	MR	MR	MS	R	R	S	MR
AAC Wheatland VB	33	77	14.5	1	0	Y	VG	G	R	MR	S	R	R	I	I
CDC SKRush	31	75	14.7	2	4	Y	VG	P	---	I	---	MR	R	MR	MR
AAC Starbuck VB	**36**	**77**	**14.7**	**1**	**1**	**Y**	**G**	**F**	**MR**	**S**	**S**	**I**	**MR**	**MR**	**MR**

Lodging Ratings: F=Fair; G=Good; VG=Very Good Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2023 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	G	P	R	R	MR	MR	S	I	MR	Y	H	101	35.9	80.6	81
AAC Alida VB	5	98	98	+0.1	VG	VG	R	R	MR	R	I	MS	MR	Y	H	0	+1.2	+0.2	+7
AAC Redstar	3	92	104	-0.1	F	G	R	MR	MR	---	MR	---	MR	Y	H	-2	-0.2	-1.3	+8
AAC Tisdale	5	95	98	+0.8	F	F	R	R	S	MR	MR	MS	MR	Y	H	-2	+0.2	-0.6	+8
AAC Wheatland VB	5	104	105	-0.2	VG	G	R	R	I	R	MR	S	I	Y	H	0	-0.5	+0.1	+2
AC® Carberry	6	94	94	+0.3	VG	F	MR	R	MR	MR	R	MS	MR	Y	H	0	-0.4	-0.2	0
CDC SKRush	4	100	104	-0.2	G	P	MR	R	MR	---	I	---	MR	Y	H	-1	-3.5	-0.9	+7
Ellerslie	4	94	97	-0.1	VG	F	R	MR	R	---	S	---	I	N	H	-2	-3.2	-2.6	+8
AAC Starbuck VB	**5**	**104**	**108**	**-0.2**	**F**	**F**	**I**	**MR**	**MR**	**MR**	**S**	**S**	**MR**	**Y**	**H**	**0**	**0.0**	**+0.4**	**+2**

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

2023 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)			**75**	**59**	**95**											
AAC Brandon - check	2022	101	100	100	100	104	14.0	63	39	84	Y	G	P	S	MR	MR
AAC Alida VB	2019	37	94	97	93	0	-0.2	63	41	91	Y	G	VG	I	MR	MR
AAC Redstar	2022	31	96	92	101	-2	0.0	63	36	90	Y	VG	G	MR	MR	MR
AAC Tisdale	2017	37	94	94	94	-1	+0.6	63	42	93	Y	F	F	MR	S	MR
AAC Wheatland VB	2020	36	104	104	104	0	-0.5	63	40	86	Y	VG	G	MR	I	I
CDC SKRush	2022	31	100	97	104	-1	-0.1	63	33	93	Y	F	P	I	MR	MR
Ellerslie	2021	30	99	96	103	-1	-0.2	61	35	90	N	VG	G	S	R	I
Parata	2019	37	87	86	88	-4	+0.2	63	39	94	Y	F	F	S	MR	I
AAC Starbuck VB	2020	**36**	**103**	**104**	**102**	**0**	**-0.2**	**63**	**39**	**87**	**Y**	**F**	**F**	**S**	**MR**	**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

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