Technical Bulletin

Genes that fit *your* farm.

SeCan
Canada's Seed Partner

AAC Alida VB

Canada Western Red Spring Wheat

91
Progress Through Research
Le progrès grâce à la recherche

MIDGE TOLERANT WHEAT
Plant · Protect · Preserve

Description:
AAC Alida VB is a high yielding semi-dwarf CWRS with very good lodging and sprouting tolerance, plus it is moderately resistant to FHB. AAC Alida VB is also tolerant to the orange wheat blossom midge. AAC Alida VB is well-adapted to the wheat growing regions across the western Canadian Prairies.

Certified seed of AAC Alida VB will be sold as a varietal blend made up of 90% AAC Alida 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: Carberry/99B61-AY30B5

Strengths:
- 104% of the grain yield of AC® Carberry
- Semi-dwarf 5cm taller than AC® Carberry
- Very good lodging tolerance similar to AC® Carberry
- Very good sprouting tolerance
- Moderately resistant to FHB, low DON accumulation
- Resistant to leaf rust, stem rust and loose smut
- Moderately resistant to stripe rust

Neutral Traits:
- Grain protein potential similar to AC® Carberry
- Maturity similar to AC® Carberry
- Intermediate resistance to common bunt

Weakness:
- Moderately susceptible to leaf spot

Breeder:
Dr. Richard Cuthbert
Swift Current Research and Development Centre
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Swift Current, SK

PBR 91 Protected

2013-2016 Central Bread Wheat Cooperative 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	101	1.6	85	79.8	35.6	14.5	MR
AC® Unity VB	105	97.7	3.7	99	80.1	34.5	14.1	I
AAC Viewfield	106	101	1.6	80	80.9	33.7	14.4	I
Glenn	99	100.5	2.0	93	82.6	34.4	14.3	I
AAC Alida VB	**104**	**100.5**	**1.7**	**91**	**80.0**	**36.7**	**14.6**	**MR**

VB = varietal blend 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

2024 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 Brandon	109	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 Starbuck VB	36	77	14.6	1	1	Y	G	F	MR	S	S	I	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	76	14.6	2	4	Y	VG	P	---	I	---	MR	R	MR	MR
AAC Alida VB	**33**	**73**	**14.7**	**2**	**6**	**Y**	**VG**	**VG**	**R**	**I**	**MS**	**R**	**R**	**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

2024 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	80.7	81
AAC Starbuck VB	5	104	108	-0.2	F	F	I	MR	MR	MR	S	S	MR	Y	H	0	-0.1	+0.4	+2
AAC Redstar	4	92	102	-0.1	F	G	R	MR	MR	---	MR	---	MR	Y	H	-2	-0.5	-1.2	+8
AAC Tisdale	5	95	98	+0.8	F	P	R	R	S	MR	MR	MS	MR	Y	H	-2	+0.1	-0.6	+8
AAC Wheatland VB	5	104	106	-0.2	VG	G	R	R	I	R	MR	S	I	Y	H	0	-0.6	+0.1	+1
CDC SKRush	5	99	103	-0.1	G	P	MR	R	MR	---	I	---	MR	Y	H	-1	-3.7	-1.0	+7
Ellerslie	5	93	96	-0.2	VG	F	R	MR	R	---	S	---	I	N	H	-2	-3.5	-2.7	+7
AAC Alida VB	**5**	**98**	**98**	**+0.1**	**VG**	**VG**	**R**	**R**	**MR**	**R**	**I**	**MS**	**MR**	**Y**	**H**	**0**	**+1.0**	**+0.2**	**+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
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 Redstar	2022	31	96	92	101	-2	0.0	63	36	90	Y	VG	G	MR	MR	MR
AAC Starbuck VB	2020	36	103	104	102	0	-0.2	63	39	87	Y	F	F	S	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 Alida VB	**2019**	**37**	**94**	**97**	**93**	**0**	**-0.2**	**63**	**41**	**91**	**Y**	**G**	**VG**	**I**	**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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