

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Alida VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

AAC Alida VB is a high yielding semi-dwarf CWRS with very good lodging and sprouting tolerance, and is rated MR 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
- VG rating to lodging = AC[®] Carberry
- VG rating to sprouting tolerance
- MR rating to FHB resistance, Low DON accumulation
- R rating to leaf rust, stem rust and loose smut resistance
- MR rating stripe rust resistance

Neutral Traits:

- Grain protein potential similar to AC[®] Carberry
- Maturity similar to AC[®] Carberry

Weakness:

- I rating to common bunt resistance
- MS rating to leaf spot resistance

Breeder:

Dr. Richard Cuthbert
Semiarid Prairie Agricultural Research Centre
Agriculture and Agri-Food Canada
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

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

Oct 2019

2019 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	60	69	14.2	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Jatharia VB*	33	73	14.3	1	+13	Y	G	G	S	MS	I	I	R	I	I
AAC Warman VB*	19	68	14.4	0	+12	Y	G	---	MR	S	I	R	R	MS	MR
CDC Utmost VB*	38	67	14.5	-1	+10	N	G	G	MS	S	I	MR	R	I	MS
AC® Shaw VB*	40	67	14.2	0	+18	N	G	G	S	MR	MS	R	MR	I	MS
AC® Vesper VB*	40	70	14.4	0	+10	Y	F	F	I	S	I	MR	R	S	I
AAC Alida VB*	19	67	14.5	+2	+6	Y	VG	VG	R	I	MS	R	R	MR	MR

*Varietal Blend F=Fair; G=Good; VG=Very Good R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2019 Varieties of Grain Crops for Saskatchewan - Wheat Comparison

Variety	Years Tested	Yield as % of Carberry			Protein	Resistance to:									Relative Maturity (days)	Head Awnedness	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4	Irrigation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB					
AC® Carberry	6	100	100	100	14.6	VG	F	MR	R	MR	MR	R	MS	MR	99	Y	35.7	80.3	83
AAC Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.1	0.0	-1
AAC Jatharia VB*	5	108	114	---	-0.2	F	G	I	R	I	S	MS	I	I	-1	Y	+0.8	+0.8	+15
AAC Warman VB*	1	100	106	---	0.0	F	---	R	R	MS	MR	S	I	MR	-2	Y	-1.4	0.0	+12
CDC Utmost VB*	6	108	112	107	-0.4	F	G	MR	R	I	MS	S	I	MS	-3	N	-0.8	-1.4	+10
AC® Shaw VB*	6	112	114	103	-0.7	F	G	R	MR	I	S	MR	MS	MS	-1	N	+0.5	-0.5	+18
AC® Vesper VB*	6	108	113	109	-0.7	P	F	MR	R	S	I	S	I	I	-2	Y	+1.0	-0.4	+13
AAC Alida VB*	2	105	108	---	+0.1	VG	VG	R	R	MR	R	I	MS	MR	-1	Y	+1.9	+0.3	+7

*Varietal Blend G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

2019 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Overall Yield		Test Yield Category			Maturity Rating	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Resistance to:		Disease Resistance:									
	All Sites	Station years of testing	Low < 55 bu/ac	Med 55 - 80 bu/ac	High >80 bu/ac						Ldg.	Sprout	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB					
Yield as % of AC® Carberry																						
AC® Carberry bu/ac	67		45	65	92																	
AC® Carberry	100		100	100	100	L	14.0	63	39	79	VG	F	MR	R	MR	MS	MR					
AAC Brandon	106	21	XX	103	110	M	-0.2	63	40	80	VG	P	MR	S	MR	I	MR					
AAC Jatharia VB*	106	31	XX	111	103	M	-0.1	64	43	93	Y	F	S	S	MS	I	I					
CDC Utmost VB*	105	53	105	105	106	M	-0.2	64	36	85	N	G	MS	MS	S	I	MS					
AC® Shaw VB*	105	53	104	105	107	M	-0.9	63	37	92	N	G	S	S	MR	I	MS					
AAC Alida VB*	103	31	XX	106	102	M	+0.2	63	42	86	VG	VG	R	I	MR	MS	MR					

*Varietal Blend 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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