

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, 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:

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Swift Current Research and Development 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

2021 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	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC® Carberry	137	68	14.5	+2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AAC Brandon	74	71	14.3	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Starbuck VB	33	75	14.6	1	1	Y	G	F	MR	S	S	I	MR	MR	MR
AAC Tisdale	32	68	15.2	1	8	Y	G	F	MR	MR	MS	R	R	S	MR
AAC Warman VB	33	70	14.5	0	12	Y	G	F	MR	S	I	R	R	MS	MR
AAC Wheatland VB	33	75	14.4	1	0	Y	VG	G	R	MR	S	R	R	I	I
Ellerslie	20	65	14.7	0	5	N	VG	G	---	S	---	R	MR	MR	I
Parata	33	68	14.8	-2	13	Y	G	F	MR	S	I	R	MR	MR	I
AAC Alida VB	33	71	14.6	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

2021 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % of Carberry				Protein	Resistance to:									Relative Maturity (days)	Head Awedness	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	14.5	VG	F	MR	R	MR	MR	R	MS	MR	102	Y	35.8	80.3	83	
AAC Brandon	5	107	106	---	-0.3	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.4	+0.1	-1	
AAC Starbuck VB	3	113	118	---	-0.5	F	F	I	MR	MR	MR	S	S	MR	0	Y	+0.3	+0.5	+2	
AAC Tisdale	5	102	105	---	+0.6	F	F	R	R	S	MR	MR	MS	MR	-2	Y	+0.7	-0.4	+8	
AAC Warman VB	3	102	108	---	-0.2	P	F	R	R	MS	MR	S	I	MR	-2	Y	-1.4	+0.2	+13	
AAC Wheatland VB	3	112	114	---	-0.5	VG	G	R	R	I	R	MR	S	I	-1	Y	-0.2	0.0	+2	
Ellerslie	2	104	105	---	-0.1	VG	G	R	MR	R	---	S	---	I	-3	N	-1.9	-2.0	+7	
Parata	4	98	103	---	+0.2	F	F	R	MR	MR	MR	S	I	I	-3	Y	-2.1	-0.1	+9	
AAC Alida VB	3	106	107	---	-0.2	VG	VG	R	R	MR	R	I	MS	MR	-1	Y	+1.6	+0.3	+6	

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

2021 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Overall Yield		Test Yield Category			Maturity Rating (Days +/- Carberry)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Resistance to:			Disease Resistance:		
	Station years of testing	Overall yield	Low < 55 bu/ac	Med 55 - 80 bu/ac	High >80 bu/ac						Awns (Y/N)	Lodging	Sprouting	Bunt	Stripe Rust	FHB
			Yield as % of AC® Carberry													
AC® Carberry bu/ac		68	44	65	94											
AC® Carberry	131	100	100	100	100	104	14.0	63	39	85	Y	VG	F	R	MR	MR
AAC Brandon	40	105	XX	103	107	0	-0.3	63	41	85	Y	G	P	S	MR	MR
AAC Starbuck VB	36	110	108	108	111	0	-0.2	63	39	87	Y	G	F	S	MR	MR
AAC Tisdale	45	101	100	101	102	-1	+0.6	63	42	93	Y	F	F	MR	S	MR
AAC Warman VB	36	101	104	97	102	-1	-0.4	63	38	99	Y	G	F	S	MS	MR
AAC Wheatland VB	36	111	110	109	113	0	-0.5	63	40	86	Y	VG	G	MR	I	I
Ellerslie	24	104	XX	108	108	0	-0.3	62	36	94	N	VG	G	S	R	I
Parata	45	94	90	94	96	-4	+0.2	63	39	94	Y	F	F	S	MR	I
AAC Alida VB	45	101	98	103	99	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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