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
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

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

Jan 2020

2020 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	61	70	14.3	+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*	33	68	14.4	0	+12	Y	G	---	MR	S	I	R	R	MS	MR
CDC Utmost VB*	38	68	14.5	-1	+10	N	G	G	MS	S	I	MR	R	I	MS
AC® Shaw VB*	40	68	14.2	0	+18	N	G	G	S	MR	MS	R	MR	I	MS
AAC Alida VB*	**33**	**68**	**14.6**	**+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

2020 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	14.5	VG	F	MR	R	MR	MR	R	MS	MR	102	Y	35.8	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	0	Y	+0.7	+0.9	+15
AAC Warman VB*	2	102	107	---	-0.3	F	F	R	R	MS	MR	S	I	MR	-1	Y	-1.6	+0.2	+13
CDC Utmost VB*	6	108	112	107	-0.3	F	G	MR	R	I	MS	S	I	MS	-2	N	-0.7	-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
AAC Alida VB*	**3**	**106**	**108**	**---**	**-0.2**	**VG**	**VG**	**R**	**R**	**MR**	**R**	**I**	**MS**	**MR**	**0**	**Y**	**+1.5**	**+0.3**	**+7**

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

2020 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:				
	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	**70**		**45**	**66**	**95**												
AC® Carberry	100	126	100	100	100	104	13.9	63	40	80	VG	F	MR	R	MR	MS	MR
AAC Brandon	105	35	XX	103	107	0	-0.3	63	41	84	G	P	MR	S	MR	I	MR
AAC Starbuck VB*	106	31	XX	106	108	0	-0.4	62	41	86	G	F	MR	S	MR	S	MR
AAC Tisdale	101	45	100	101	102	-1	+0.4	63	42	88	F	F	MR	MR	S	MS	MR
AAC Wheatland VB*	107	31	XX	105	109	0	-0.5	63	41	85	VG	G	R	MR	I	S	I
AC® Shaw VB*	105	53	104	105	107	-1	-0.9	63	37	92	G	G	S	S	MR	I	MS
AAC Alida VB*	**101**	**45**	**98**	**103**	**99**	**0**	**0**	**63**	**41**	**88**	**G**	**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

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

Jan 2020