

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Wheatland VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

AAC Wheatland VB is a very high yielding semi-dwarf CWRS with excellent lodging tolerance and intermediate resistance to FHB. AAC Wheatland VB is also tolerant to the orange wheat blossom midge. AAC Wheatland VB is well-adapted to the wheat growing regions across the western Canadian Prairies.

Certified seed of AAC Wheatland VB will be sold as a varietal blend made up of 90% AAC Wheatland 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 tolerance gene.

Parentage: BD94B*D0248/*2 Carberry

Strengths:

- 112% of the grain yield of AC[®] Carberry
- Semi-dwarf with height similar to AC[®] Carberry
- Excellent lodging tolerance, better than AC[®] Carberry
- Good sprouting resistance
- Resistant to stem rust, leaf rust and loose smut
- Moderately resistant to bunt
- Good milling characteristics including high falling number during registration trials

Neutral Traits:

- Grain protein potential similar to AC[®] Carberry
- Maturity similar to AC[®] Carberry
- Intermediate resistance to FHB and stripe rust

Weakness:

- Susceptible to leaf spot

Breeder:

Dr. Richard Cuthbert
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Agriculture and Agri-Food Canada
Swift Current, SK

PBR 91 Applied For

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 Wheatland VB*	112	100.6	1.7	81	80.8	34.6	14.5	I

*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

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 Alida VB*	33	68	14.6	+2	+6	Y	VG	VG	R	I	MS	R	R	MR	MR
AAC Brandon	61	70	14.3	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Tisdale	32	68	15.2	+1	+8	Y	G	F	MR	MR	MS	R	R	S	MR
AAC Starbuck VB*	20	73	14.4	1	1	Y	G	---	MR	S	S	I	MR	MR	MR
AAC Warman VB*	33	68	14.4	0	+12	Y	G	---	MR	S	I	R	R	MS	MR
AC® Carberry	124	67	14.6	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AAC Wheatland VB*	20	74	14.3	1	0	Y	VG	---	R	MR	S	R	R	I	I

*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 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 Alida VB*	3	106	108	---	-0.2	VG	VG	R	R	MR	R	I	MS	MR	0	Y	+1.5	+0.3	+7
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 Starbuck VB*	2	113	117	---	-0.5	G	F	I	MR	MR	MR	S	S	MR	0	Y	+0.2	+0.5	+3
AAC Warman VB*	2	102	107	---	-0.3	F	F	R	R	MS	MR	S	I	MR	-1	Y	-1.6	+0.2	+13
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 Wheatland VB*	2	111	113	---	-0.4	VG	G	R	R	I	R	MR	S	I	0	Y	-0.1	0.0	+2

*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	84	VG	F	MR	R	MR	MS	MR		
AAC Alida VB*	101	45	98	103	99	0	0	63	41	88	G	VG	R	I	MR	MS	MR		
AAC Brandon	105	35	XX	103	107	0	-0.3	63	41	85	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		
AC® Shaw VB*	105	53	104	105	107	-1	-0.9	63	37	92	G	G	S	S	MR	I	MS		
AAC Wheatland VB*	107	31	XX	105	109	0	-0.5	63	41	85	VG	G	R	MR	I	S	I		

*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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