

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Warman VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

AAC Warman VB is a high yielding conventional height CWRS with medium maturity and is moderately resistant to FHB. AAC Warman VB is also tolerant to the orange wheat blossom midge. AAC Warman VB is well-adapted to the wheat growing regions across the western Canadian Prairies.

Certified seed of AAC Warman VB will be sold as a varietal blend made up of 90% AAC Warman and 10% AAC Tisdale. Blending with the midge susceptible variety AAC Tisdale 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: BB07A*A637/Kane

Strengths:

- 111% of the grain yield of AC[®] Carberry and 103% of AC[®] Unity VB
- 2 days earlier maturity than AC[®] Carberry, similar to AC[®] Unity VB
- Resistant to leaf and stem rust
- Moderately resistant to smut
- Moderately resistant to FHB and low DON accumulation

Neutral Traits:

- Medium straw strength, stronger than AC[®] Unity VB but weaker than AC[®] Carberry
- Protein 0.5% lower than AC[®] Carberry and 0.3% lower than AC[®] Unity VB

Weakness:

- Conventional height, 13cm taller than AC[®] Carberry
- Moderately susceptible to stripe rust
- Susceptible to bunt

Breeder:

Dr. D Santosh Kumar
Agriculture and Agri-Food Canada
Brandon, MB

PBR 91 Protected

2014-2016 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	95	1.8	83	77.5	31.9	15.2	MR
AC [®] Unity VB	108	92	2.9	96	77.5	31.5	15.0	I
AAC Viewfield	101	95	1.5	78	77	29.7	15.5	I
Glenn	98	94	1.7	90	80	31.9	15.0	I
AAC Warman VB	111	93	2.6	96	78	31.8	14.7	MR

VB = varietal blend R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

'AC' is an official mark used under license from Agriculture & Agri-Food Canada

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 Alida VB	33	71	14.6	2	6	Y	VG	VG	R	I	MS	R	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 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 Warman VB	33	70	14.5	0	12	Y	G	F	MR	S	I	R	R	MS	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 Alida VB	3	106	107	---	-0.2	VG	VG	R	R	MR	R	I	MS	MR	-1	Y	+1.6	+0.3	+6
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 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 Warman VB	3	102	108	---	-0.2	P	F	R	R	MS	MR	S	I	MR	-2	Y	-1.4	+0.2	+13

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)	Awns (Y/N)	Resistance to:			Disease Resistance:		
	Station years of testing	Overall yield	Low < 55 bu/ac	Med 55 - 80 bu/ac	High >80 bu/ac							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 Alida VB	45	101	98	103	99	0	-0.2	63	41	91	Y	G	VG	I	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 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 Warman VB	36	101	104	97	102	-1	-0.4	63	38	99	Y	G	F	S	MS	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

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