

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Jatharia VB Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche



Description:

AAC Jatharia VB is an awned, midge tolerant, CWRS variety with medium/tall straw and very high grain yield. AAC Jatharia VB has shown good resistance to leaf and stripe rust, and an intermediate resistance to FHB. AAC Jatharia VB is well-adapted to the wheat growing regions across the western Canadian Prairies.

Certified seed of AAC Jatharia VB will be sold as a varietal blend made up of 90% AAC Jatharia and 10% AC[®] Carberry. Blending with the midge susceptible variety AC[®] Carberry 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: 99B60-EJ2G/Kane
(99B60-EJ26 = McKenzie//Grandin*2/Caldwell and Kane)

Strengths:

- 104% of the grain yield of AC[®] Unity VB and 111% of 5603HR in registration trials
- 110-115% of AC[®] Carberry based on SK regional trials
- Good resistance to leaf and stripe rust
- Large kernel with high test weight
- Improved lodging resistance compared to AC[®] Unity VB, similar to 5603HR
- Good sprouting tolerance

Neutral Traits:

- Grain protein potential similar to AC[®] Unity VB and AC Barrie
- 1 day later maturing than AC[®] Unity VB
- Intermediate resistance to fusarium head blight, similar to AC[®] Unity VB
- Intermediate resistance to stem rust

Weakness:

- Slightly taller than AC[®] Unity VB
- Susceptible to Common Bunt and Loose Smut

Breeder:

Dr. Stephen Fox
Cereal Research Centre
Agriculture and Agri-Food Canada
Winnipeg, MB

2011-2013 Central Bread Wheat Cooperative Trials - Registration Data

Variety	Yield (% AC Unity VB)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Leaf Rust	FHB Resistance Rating
AC [®] Unity VB	100	95	3.6	96	79.1	33.0	14.8	R	I
5603HR	94	97	2.4	97	78.0	31.7	14.5	R	I
AC[®] Jatharia VB	104	96	2.3	98	80.4	34.0	14.8	R	I

VB = varietal blend F=Fair; P=Poor; VP=Very Poor

'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

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 Alida VB*	19	67	14.5	+2	+6	Y	VG	VG	R	I	MS	R	R	MR	MR
AAC Brandon	60	69	14.2	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
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 Jatharia VB*	33	73	14.3	1	+13	Y	G	G	S	MS	I	I	R	I	I

*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 Alida VB*	2	105	108	---	+0.1	VG	VG	R	R	MR	R	I	MS	MR	-1	Y	+1.9	+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 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 Jatharia VB*	5	108	114	---	-0.2	F	G	I	R	I	S	MS	I	I	-1	Y	+0.8	+0.8	+15

*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 Alida VB*	103	31	XX	106	102	M	+0.2	63	42	86	VG	VG	R	I	MR	MS	MR
AAC Brandon	106	21	XX	103	110	M	-0.2	63	40	80	VG	P	MR	S	MR	I	MR
CDC Utmost VB*	105	53	105	105	106	M	-0.2	64	36	85	N	G	G	MS	S	I	MS
AC® Shaw	105	53	104	105	107	M	-0.9	63	37	92	N	G	G	S	MR	I	MS
AAC Jatharia VB*	106	31	XX	111	103	M	-0.1	64	43	93	Y	F	G	S	MS	I	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

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