

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Jatharia VB Canada Western Red Spring Wheat

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 tolerance 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

PBR 91 Applied for

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

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

2017 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 91cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Common Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC Barrie	165	58	14.5	0	+13	N	G	G	MR	I	MS	MR	MS	S	I
CDC Utmost VB*	38	63	14.6	-1	+10	N	G	G	MS	S	I	MR	R	I	MS
AC® Shaw VB*	40	63	14.2	0	+18	N	G	G	S	MR	MS	R	MR	I	MS
AC® Unity VB*	53	65	14.2	0	+13	Y	F	VG	MS	R	I	MR	R	MS	I
AC® Vesper VB*	40	65	14.5	0	+10	Y	F	F	I	S	I	MR	R	S	I
AAC Jatharia VB*	33	69	14.4	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

2017 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	100	Y	34.5	79.0	83
CDC Utmost VB*	6	108	112	107	-0.4	F	G	MR	R	I	MS	S	I	MS	-3	N	-0.1	-1.6	+12
AC® Shaw VB*	6	112	114	103	-0.7	F	G	R	MR	I	S	MR	MS	MS	-1	N	+0.5	-0.5	+20
AC® Unity VB*	6	107	113	---	-0.6	P	VG	MR	R	MS	MS	R	I	I	-2	Y	-1.7	+0.4	+14
AC® Vesper VB*	6	108	113	---	-0.7	P	F	MR	R	S	I	S	I	I	-3	Y	+1.8	-0.5	+13
AAC Jatharia VB*	3	110	117	---	-0.1	F	G	I	R	I	S	MS	I	I	-1	Y	+1.2	+0.8	+16

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

2016 Alberta Seed Guide – CWRS Wheat Comparison

Variety	Overall Yield (1)		Test Yield Category (2)			Comp. Maturity days	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Resistance to:		Disease Resistance:							
	All Sites	Station years of testing	Low < 45 bu/ac	Med 45 - 70 bu/ac	High >70 bu/ac						Lodging	Sprouting	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB			
Yield as % of AC Barrie																				
AC Barrie bu/ac	60		36	57	81															
AC Barrie	100		100	100	100	M	14	62	38	87	G	G	MR	I	S	MS	I			
CDC Utmost VB*	112+	53	115+	112+	111+	M	-0.2	64	36	85	G	G	MS	S	I	I	MS			
AC® Shaw VB*	112+	53	116+	109+	113+	M	-0.9	63	37	92	G	G	S	MR	I	MS	MS			
AC® Unity VB*	110+	71	111+	110+	111+	M	-0.7	64	36	89	G	G	MS	R	MS	MS	MS			
AC® Vesper VB*	106+	45	106	108+	104	M	-1.5	63	37	90	F	F	I	S	S	I	I			
AAC Jatharia VB*	Insufficient Data																			

*Varietal Blend VG=Very Good; G=Good; F=Fair; P=Poor; VP=Very Poor R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

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