Technical Bulletin

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AAC Brandon

Canada Western Red Spring Wheat

Description:
AAC Brandon is an awned, semi-dwarf CWRS variety that when compared to AC® Carberry has +5% grain yield, 0.5 days earlier maturity, 1 cm shorter and similar lodging tolerance, and excellent disease resistance package. AAC Brandon is well adapted across western Canada but will be especially attractive to wheat producers in the high yielding areas of the Prairies who desire a short, strong strawed variety with good FHB resistance.

Parentage: Superb/CDC Osler//ND744

Strengths:
- Grain yield 105% of AC® Carberry, over all sites in 2009 to 2011 Coop Registration trials
- 1 cm shorter than AC® Carberry
- Lodging resistance similar to AC® Carberry (slightly weaker)
- Moderately resistant to FHB
- Resistant to leaf rust and stem rust
- Moderately resistant to stripe rust
- Large seed size, similar to Superb
- ½ day earlier maturing compared to AC® Carberry

Neutral Traits:
- Falling # similar to checks
- Grain protein -0.3% of AC® Carberry

Weaknesses:
- Susceptible to common bunt
- Poor rating to sprouting tolerance

Breeders:
Dr. Richard Cuthbert and Dr. Ron DePauw
Semiarid Prairie Agricultural Research Centre
Agriculture and Agri-Food Canada
Swift Current, SK

2009-2011 Western Bread Wheat Cooperative Trials - Registration Data

Variety	Yield (% of Katepwa)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/kl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Falling Number	FHB Resistance Rating
Katepwa	100	103.4	2.3	96	78.8	33.7	13.9	330	I
Laura	107	106.5	2.6	94	78.7	33.2	14.2	385	I
AC® Lillian	104	103.6	2.0	93	78.3	36.9	14.8	425	S
AC® Carberry	107	107.5	1.2	81	80.3	36.1	14.2	300	MR
CDC Kernen	113	105.7	1.9	96	79.7	36.8	14.3	355	I
AAC Brandon	**112**	**107.0**	**1.5**	**80**	**80.1**	**36.1**	**13.9**	**330**	**MR**

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

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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 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 Warman VB	33	70	14.5	0	12	Y	G	F	MR	S	I	R	R	MS	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 Brandon	**74**	**71**	**14.3**	**2**	**0**	**Y**	**VG**	**P**	**MR**	**S**	**I**	**R**	**R**	**MR**	**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 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 Alida VB	3	106	107	---	-0.2	VG	VG	R	R	MR	R	I	MS	MR	-1	Y	+1.6	+0.3	+6
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 Warman VB	3	102	108	---	-0.2	P	F	R	R	MS	MR	S	I	MR	-2	Y	-1.4	+0.2	+13
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 Brandon	**5**	**107**	**106**	**---**	**-0.3**	**G**	**P**	**R**	**R**	**MR**	**MR**	**S**	**I**	**MR**	**0**	**Y**	**+0.4**	**+0.1**	**-1**

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)	Resistance to:			Disease Resistance:		
	Station years of testing	Overall yield	Low < 55 bu/ac	Med 55 - 80 bu/ac	High >80 bu/ac						Awns (Y/N)	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 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 Warman VB	36	101	104	97	102	-1	-0.4	63	38	99	Y	G	F	S	MS	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 Brandon	**40**	**105**	**XX**	**103**	**107**	**0**	**-0.3**	**63**	**41**	**85**	**Y**	**G**	**P**	**S**	**MR**	**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

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