

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## AAC Brandon

### Canada Western Red Spring Wheat



#### Description:

AAC Brandon is an awned, semi-dwarf CWRS variety that when compared to AC<sup>®</sup> Carberry has +5% grain yield, 0.5 days earlier maturity, 1 cm shorter and similar lodging, tolerance and disease resistance. 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<sup>®</sup> Carberry, over all sites in 2009 to 2011 Coop Registration trials
- Height 1 cm shorter than AC<sup>®</sup> Carberry
- Lodging resistance similar to AC<sup>®</sup> Carberry (slightly weaker)
- Good leaf and stem rust resistance

- Good stripe rust resistance (2 years data)
- “Good” rating for fusarium head blight resistance
- Large seed size, similar to Superb
- ½ day earlier maturing compared to AC<sup>®</sup> Carberry

#### Neutral Traits:

- Falling # similar to checks
- Fair rating to sprouting tolerance
- Grain protein -0.3% of AC<sup>®</sup> Carberry

#### Weaknesses:

- Susceptible to common bunt

#### 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 <sup>®</sup> Lillian	104	103.6	2.0	93	78.3	36.9	14.8	425	S
<b>AC<sup>®</sup> Carberry</b>	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
<b>AAC Brandon</b>	<b>112</b>	<b>107.0</b>	<b>1.5</b>	<b>80</b>	<b>80.1</b>	<b>36.1</b>	<b>13.9</b>	<b>330</b>	<b>MR</b>

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## 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	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC® Carberry	110	66	14.5	+2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AC® Cardale	28	67	14.5	+2	+3	Y	VG	G	I	MR	MS	R	R	S	MR
AAC Elie	44	68	14.3	+2	-3	Y	VG	F	I	I	I	R	R	MR	I
AAC Redwater	43	64	14.5	-2	+8	Y	G	VG	MS	I	MS	R	R	MR	I
AAC Tisdale	32	67	15.1	+1	+8	Y	G	F	MR	MR	MS	R	R	S	MR
CDC Bradwell	33	66	14.4	+3	+5	Y	VG	F	MR	R	MS	MR	R	MS	I
Parata	6	69	14.2	-2	+13	Y	G	---	MR	S	I	R	MR	MR	I
<b>AAC Brandon</b>	<b>60</b>	<b>69</b>	<b>14.2</b>	<b>+2</b>	<b>0</b>	<b>Y</b>	<b>VG</b>	<b>P</b>	<b>MR</b>	<b>S</b>	<b>I</b>	<b>R</b>	<b>R</b>	<b>MR</b>	<b>MR</b>

Lodging Ratings: F=Fair; G=Good; VG=Very Good

Disease Ratings: 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 Elie	5	105	105	---	-0.2	G	F	R	R	MR	I	I	I	I	0	Y	-0.1	0.0	-2
AAC Redwater	5	102	101	---	+0.1	F	VG	R	R	MR	MS	I	MS	I	-3	Y	-3.5	-1.3	+8
AC® Stettler	6	105	107	100	+0.2	F	G	MR	MS	MR	R	MR	MS	MS	-1	Y	-0.6	-0.4	+8
AAC Tisdale	3	100	109	---	+0.7	F	F	R	R	S	MR	MR	MS	MR	-2	Y	+0.8	-0.3	+8
CDC Bradwell	5	101	108	---	0.0	VG	F	MR	R	MS	MR	R	MS	I	0	Y	-2.0	+0.6	+8
Parata	2	98	106	---	+0.3	F	F	R	MR	MR	MR	S	I	I	-2	Y	-2.0	-0.1	+11
<b>AAC Brandon</b>	<b>5</b>	<b>106</b>	<b>106</b>	<b>---</b>	<b>-0.4</b>	<b>G</b>	<b>P</b>	<b>R</b>	<b>R</b>	<b>MR</b>	<b>MR</b>	<b>S</b>	<b>I</b>	<b>MR</b>	<b>0</b>	<b>Y</b>	<b>+0.1</b>	<b>-0.1</b>	<b>0</b>

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																
<b>AC® Carberry bu/ac</b>	<b>67</b>		<b>45</b>	<b>65</b>	<b>92</b>														
AC® Carberry	100		100	100	100	L	14.0	63	39	79	VG	F	MR	R	MR	MS	MR	MR	
AAC Redwater	96	41	91	101	98	E	0.0	64	35	87	G	VG	MS	I	MR	MS	MS	I	
AAC Tisdale	101	45	100	101	102	M	+0.4	63	42	88	F	F	MR	MR	S	MS	MR	MR	
AC® Stettler	106	82	105	105	104	M	0.0	63	39	85	G	G	R	MR	I	MS	MS	MS	
CDC Bradwell	101	42	97	105	101	L	-0.3	63	38	84	VG	F	MR	R	MS	MS	MS	I	
Parata	97	31	XX	98	96	E	+0.7	64	39	87	F	F	MS	S	MR	I	MR	I	
<b>AAC Brandon</b>	<b>106</b>	<b>21</b>	<b>XX</b>	<b>103</b>	<b>110</b>	<b>M</b>	<b>-0.2</b>	<b>63</b>	<b>40</b>	<b>80</b>	<b>VG</b>	<b>P</b>	<b>MR</b>	<b>S</b>	<b>MR</b>	<b>I</b>	<b>MR</b>	<b>I</b>	<b>MR</b>

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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