

# Technical Bulletin

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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>	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](http://www.secan.com)

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## 2016 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 32"	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC Barrie	165	58	14.5	0	+5	N	G	G	MR	I	MS	MR	MS	S	I
5603HR	41	63	14.4	+2	+5	Y	G	VG	MS	I	MR	MR	R	MS	I
AC® KANE	92	61	14.5	+1	+3	Y	G	VG	MS	I	I	R	R	MR	I
Harvest	61	60	14.3	-1	+3	N	VG	VG	MR	S	MS	R	MR	MR	S
AAC Elie	42	64	14.4	+2	-1	Y	VG	F	I	I	I	R	R	MR	I
AAC Redwater	42	60	14.6	-2	3	Y	G	VG	MS	I	MS	R	R	MR	I
AC® Cardale	28	63	14.5	+2	+1	Y	VG	G	I	MR	MS	R	R	S	MR
AC® Carberry	70	62	14.5	+2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
<b>AAC Brandon</b>	<b>42</b>	<b>65</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

## 2016 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	---	14.7	VG	F	MR	R	MR	MR	R	MS	MR	105	Y	36	80.3	84
Harvest	6	94	103	---	-0.3	VG	VG	R	MR	MR	MR	S	MS	S	-3	N	-2.8	-1.6	+10
AAC Redwater	4	102	101	---	+0.1	F	VG	R	R	MR	MS	I	MS	I	-5	Y	-2.8	-1.7	+7
AC® Lillian	6	93	96	---	+1.1	F	G	MR	R	R	I	MR	MR	S	-2	N	0.0	-2.7	+12
AC® Cardale	5	99	102	---	-0.2	G	G	R	R	S	I	MR	MS	MR	-1	Y	-2.8	-1.2	+3
AC® Stettler	6	105	107	100	+0.2	G	G	MR	MS	MR	R	MR	MS	MS	-1	Y	-1.4	-1.1	+7
<b>AAC Brandon</b>	<b>4</b>	<b>107</b>	<b>105</b>	<b>---</b>	<b>-0.5</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>-0.2</b>	<b>-1</b>

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)			Maturity Rating	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						Ldg.	Sprout	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB	
			Yield as % of AC Barrie															
<b>AC Barrie bu/ac</b>	<b>59</b>		<b>34</b>	<b>55</b>	<b>78</b>													
AC Barrie	100		100	100	100	M	14.1	64	37	89	G	G	MR	I	S	MS	I	
Harvest	102	118	98	103	104	M	-0.1	62	36	84	VG	VG	MR	S	MR	MS	S	
AAC Redwater	103	41	96	106	104	E	0.0	64	35	87	G	VG	MS	I	MR	MS	I	
AC® Cardale	105+	41	100	106+	105	M	-0.3	63	37	84	G	G	I	S	MR	MS	MR	
AC® Carberry	107+	91	116+	105	106+	L	-0.1	64	39	77	VG	F	MR	R	MR	MS	MR	
AC® Stettler	112+	69	119+	109+	111+	M	-0.3	63	37	84	G	G	R	I	I	S	MS	
<b>AAC Brandon</b>	<b>114+</b>	<b>41</b>	<b>106</b>	<b>117+</b>	<b>113+</b>	<b>M</b>	<b>-0.2</b>	<b>64</b>	<b>38</b>	<b>81</b>	<b>G</b>	<b>P</b>	<b>MR</b>	<b>S</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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