

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## AAC Foray VB Canada Prairie Spring Red Wheat

### Description:

**AAC Foray VB is a very high yielding CPS wheat with strong straw, improved protein content and good disease resistance.** AAC Foray VB has a good disease package and is resistant to leaf rust, moderate resistance to stem rust and intermediate resistance to bunt and FHB. AAC Penhold is the refuge in AAC Foray VB for added straw strength. AAC Foray VB should be an exceptional fit for all CPS growing areas especially those areas prone to the orange wheat blossom midge.

**Parentage:** CPS03hnF4 5123.032/5701PR

### Strengths:

- Grain yield 108% of 5701PR and 119% of 5700PR (average of all sites in 2010 to 2012 High Yield Wheat Registration trials)
- Very large kernel with heavy kernel weight
- Early maturing, 1 day earlier than 5700PR
- Improved protein over 5700PR and 5701PR
- Good sprouting tolerance
- Resistant to leaf rust

### Neutral Traits:

- Moderate resistance to stem rust
- Intermediate resistance to Bunt and FHB
- Slightly taller than 5700PR and 5701PR

### Weaknesses:

- Slightly weaker straw strength than 5700PR more similar to 5701PR
- Moderately susceptible to leaf spots and smut

### Breeder:

Dr. Doug Brown  
Agriculture and Agri-Food Canada  
Winnipeg, MB

**Plant Breeders' Rights applied for**

### 2010-2012 High Yield Wheat Cooperative Trials - Registration Data

Variety	Yield (% of Mean of Checks)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/kl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Falling Number	FHB Resistance Rating
5700 PR	95	107	1.5	79.8	77.2	36.8	11.9	357	MS
5701 PR	105	106	1.8	81.4	75.6	37.5	12.3	413	MS
<b>AAC Foray</b>	<b>113</b>	<b>105</b>	<b>1.9</b>	<b>88.2</b>	<b>77.1</b>	<b>46.5</b>	<b>12.5</b>	<b>433</b>	<b>I</b>

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)

### 2017 Seed Manitoba – CP5R Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 91cm	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	+13	N	G	G	MR	I	MS	MR	MS	S	I
AAC Penhold	43	70	13.9	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Ryley	30	66	13.0	1	+3	Y	G	G	I	R	MS	R	R	S	MS
5700PR	33	64	12.8	3	-3	Y	VG	F	MS	R	MS	R	I	MS	MS
5702PR	30	66	12.8	1	+3	Y	VG	P	MS	I	I	I	MR	MS	MS
AC® Carberry	84	62	14.6	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
<b>AAC Foray VB</b>	<b>30</b>	<b>72</b>	<b>13.1</b>	<b>1</b>	<b>+5</b>	<b>Y</b>	<b>VG</b>	<b>P</b>	<b>MS</b>	<b>I</b>	<b>MS</b>	<b>MR</b>	<b>R</b>	<b>I</b>	<b>I</b>

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

Disease Ratings: 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	---	14.6	VG	F	MR	R	MR	MR	R	MS	MR	100	Y	34.5	79.0	83
AC Crystal	6	111	118	100	---	G	P	R	MS	S	MS	R	I	S	+1	Y	+5.6	-1.3	+1
AAC Penhold	4	108	112	---	-0.9	VG	VG	MR	R	MR	I	R	I	MR	-2	Y	+5.0	-0.1	-9
AAC Ryley	5	103	110	---	-1.3	P	G	R	R	S	I	R	MS	MS	-2	Y	+7.1	-5.1	+2
5700PR	5	107	113	106	---	VG	F	R	I	S	MS	R	MS	MS	-1	Y	+5.5	0.0	-4
SY Rowyan	1	101	107	---	-1.3	F	---	R	R	MR	I	S	I	MR	0	Y	-2.6	-0.1	-5
<b>AAC Foray VB</b>	<b>4</b>	<b>116</b>	<b>121</b>	<b>---</b>	<b>-2.0</b>	<b>F</b>	<b>P</b>	<b>MR</b>	<b>R</b>	<b>I</b>	<b>MS</b>	<b>I</b>	<b>MS</b>	<b>I</b>	<b>0</b>	<b>Y</b>	<b>+7.0</b>	<b>-1.5</b>	<b>+6</b>

G=Good; VG=Very Good; F=Fair; P=Poor; VP=Very Poor

### 2017 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	
<b>AC Barrie bu/ac</b>	<b>61</b>		<b>42</b>	<b>63</b>	<b>90</b>													
AC Barrie	100		100	100	100	M	14.1	63	37	87	G	G	MR	I	S	MS	I	
AC Crystal	115+	278	XX	119+	113+	L	XX	62	42	79	G	P	I	R	S	I	S	
AC Foremost	116+	124	XX	119+	112+	M	XX	62	43	73	VG	F	I	R	S	MS	S	
AAC Penhold	117+	41	XX	121+	114+	M	-1.5	63	46	71	VG	G	I	R	MR	I	MR	
AAC Ryley	118+	37	XX	120+	114+	M	-0.6	60	48	82	G	G	I	R	S	MS	MS	
5700PR	117+	117	XX	121+	113+	L	-1.9	62	42	75	VG	F	MS	R	MS	MS	MS	
<b>AAC Foray VB</b>	<b>128+</b>	<b>41</b>	<b>XX</b>	<b>130+</b>	<b>120+</b>	<b>M</b>	<b>-1.7</b>	<b>63</b>	<b>51</b>	<b>85</b>	<b>G</b>	<b>G</b>	<b>MS</b>	<b>I</b>	<b>MR</b>	<b>MS</b>	<b>I</b>	

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