

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## AAC Foray VB Canada Prairie Spring Red Wheat



Progress Through Research  
Le progrès grâce à la recherche

### 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

**PBR 91 Protected**

### 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
AAC Foray	113	105	1.9	88.2	77.1	46.5	12.5	433	I

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## 2020 Seed Manitoba – CPSR 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	124	67	14.6	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AAC Goodwin	33	74	14.1	2	0	Y	VG	G	MS	I	I	I	R	R	I
AAC Penhold	44	74	13.8	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Ryley	30	71	13.0	1	+3	Y	G	G	I	R	MS	R	R	S	MS
SY Rowyn	34	74	13.5	1	-5	Y	VG	F	I	S	I	R	R	MR	MR
<b>AAC Foray VB</b>	<b>31</b>	<b>77</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

## 2020 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	---	14.5	VG	F	MR	R	MR	MR	R	MS	MR	102	Y	35.8	80.3	83
AAC Goodwin	4	116	115	---	-0.7	G	G	I	R	R	MS	I	I	I	-1	Y	+1.0	+0.2	+2
AAC Penhold	5	108	111	108	-0.8	VG	VG	MR	R	MR	I	R	I	MR	-2	Y	+5.3	-0.2	-9
5700PR	5	107	113	106	-1.3	VG	F	R	I	S	MS	R	MS	MS	-1	Y	+3.4	-2.3	0
SY Rowyn	4	103	107	---	-1.1	F	F	R	R	MR	I	S	I	MR	-1	Y	-4.1	-0.5	-5
<b>AAC Foray VB</b>	<b>5</b>	<b>116</b>	<b>120</b>	<b>122</b>	<b>-1.6</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>+8.0</b>	<b>-1.4</b>	<b>+6</b>

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

## 2020 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Overall Yield (1)		Test Yield Category (2)			Maturity Rating (Days +/- Carberry)	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		
<b>AC® Carberry bu/ac</b>	<b>73</b>		<b>41</b>	<b>63</b>	<b>93</b>														
AC® Carberry	100		100	100	100	104	13.9	63	40	79	VG	F	MR	R	MR	MS	MR		
AAC Goodwin	115	48	112	116	117	-1	-0.5	63	41	83	VG	G	MS	MS	R	I	I		
AAC Penhold	112	63	108	112	114	-2	-1	63	44	73	VG	G	I	R	MR	I	MR		
AAC Ryley	111	37	108	112	110	-1	-0.5	60	48	82	G	G	I	R	S	MS	MS		
5700PR	110	117	108	113	109	-1	-1.8	62	42	75	VG	F	MS	R	MS	MS	MS		
SY Rowyn	106	47	102	109	105	-1	-0.9	62	36	77	G	F	I	S	MR	I	MR		
<b>AAC Foray VB</b>	<b>121</b>	<b>41</b>	<b>117</b>	<b>123</b>	<b>123</b>	<b>0</b>	<b>-1.6</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>MS</b>	<b>I</b>	<b>I</b>

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