

# 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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## 2023 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	Common Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Brandon	97	73	14.5	2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Goodwin	33	78	14.2	2	0	Y	VG	G	MS	I	I	I	R	R	I
AAC Penhold	44	78	14.0	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Rimbey VB	17	81	12.4	1	0	Y	G	VG	---	I	---	R	R	R	I
<b>AAC Foray VB</b>	<b>31</b>	<b>81</b>	<b>13.2</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

## 2023 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % AAC Brandon		Protein	Resistance to:									Awns	Stem Solidness	Relative Maturity (days)	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB						
AAC Brandon	6	100	100	14.3	G	P	R	R	MR	MR	S	I	MR	Y	H	101	35.9	80.6	81
AAC Goodwin	5	109	106	-0.3	G	G	I	R	R	MS	I	I	I	Y	H	+2	+0.8	0.0	-1
AAC Penhold	5	101	100	-0.7	VG	VG	MR	R	MR	I	R	I	MR	Y	H	-2	+4.2	-0.4	-9
AAC Rimbey VB	2	108	109	-1.6	F	VG	R	R	R	---	I	---	I	Y	H	-1	+6.2	-2.5	-2
AAC Westlock	1	111	105	-1.4	G	---	R	R	R	---	R	---	MR	Y	H	0	+5.5	-1.2	0
<b>AAC Foray VB</b>	<b>5</b>	<b>104</b>	<b>108</b>	<b>-1.5</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>Y</b>	<b>H</b>	<b>0</b>	<b>+7.0</b>	<b>-1.6</b>	<b>+6</b>

## 2023 Alberta Seed Guide - CPSR Wheat Comparison

Variety	Most Recent Year of Testing	Station years of testing	Overall yield	Yield Category (% AAC Brandon)		Maturity Rating (Days +/- AAC Brandon)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Awns (Y/N)	Resistance to:		Disease Tolerance:		
				Low <77 bu/ac	High >77 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
<b>AAC Brandon (bu/ac)</b>			<b>79</b>	<b>58</b>	<b>95</b>											
AAC Brandon - check	2022	142	100	100	100	104	14.0	64	40	84	Y	G	P	S	MR	MR
AAC Goodwin	2018	38	108	107	109	-1	-0.6	63	41	85	Y	VG	G	MS	R	I
AAC Penhold	2022	81	102	97	105	0	-0.7	64	43	77	Y	VG	VG	R	I	MR
AAC Rimbey VB	2022	28	110	XX	112	0	-1.9	65	44	86	Y	G	VG	I	R	I
AAC Westlock	2022	28	111	XX	113	+1	-1.3	65	45	86	Y	G	XX	R	R	MT
<b>AAC Foray VB</b>	<b>2015</b>	<b>41</b>	<b>112</b>	<b>XX</b>	<b>XX</b>	<b>+2</b>	<b>-1.6</b>	<b>63</b>	<b>51</b>	<b>91</b>	<b>Y</b>	<b>G</b>	<b>G</b>	<b>I</b>	<b>MR</b>	<b>I</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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