

# Technical Bulletin

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Canada's Seed Partner

## AAC Wildfire Canada Western Red Winter Wheat



### Description:

AAC Wildfire is a bronze chaff, awned hard red winter wheat variety with exceptional grain yield potential and very good winter hardiness. AAC Wildfire also has medium height, excellent lodging tolerance, and is late maturing. AAC Wildfire is especially well-suited to Alberta and Saskatchewan and would be a potential replacement for Radiant and CDC Buteo.

### Parentage:

L99-1236/AC Bellatrix

### Strengths:

- Excellent grain yield potential
- Excellent lodging resistance
- Medium height
- Higher seed mass than the checks
- Resistant to stripe rust
- Moderate resistance to FHB and bunt
- Tolerant to Biotype 1 of the Russian wheat aphid

### Neutral Traits:

- Winter survival within range of the checks
- Test weight within the range of the checks
- Grain protein within the range of the checks

### Weakness:

- Susceptible to stem and leaf rust
- Late maturing – 1 day later than Radiant, the latest maturing check

### Breeder:

Dr. Robert J. Graf  
Agriculture and Agri-Food Canada  
Lethbridge, AB

### PBR 91 Protected

### 2012-2014 Western Winter Wheat Cooperative Registration Trial Data

Variety	Yield (% Check Mean)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Seed Mass (mg)	Grain Protein (%)	Winter Survival (%)	Stem Rust	Stripe Rust	FHB
Radiant	100	220	2.1	96	78.1	33.4	11.6	84	S	S	S
CDC Buteo	97	218	3.3	98	80.1	32.3	11.8	83	I	S	MR
AC® Flourish	102	215	2.3	86	77.8	34.4	12.2	85	I	I	S
Moats	100	218	3.0	98	79.3	31.9	12.4	84	R	MR	S
AAC Elevate (2015)	104	218	2.4	90	77.7	36.6	11.8	83	MR	MR	I
<b>AAC Wildfire</b>	<b>109</b>	<b>221</b>	<b>2.3</b>	<b>92</b>	<b>78.7</b>	<b>34.9</b>	<b>11.9</b>	<b>85</b>	<b>S</b>	<b>R</b>	<b>MR</b>

F=Fair; P=Poor; VP=Very Poor

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

## 2022 Seed Manitoba - Winter Wheat Comparison

Variety	Site Years Tested	Yield Bu/ac	Protein %	Height +/- 75cm	Relative Maturity	Relative Winter Hardiness	Resistance to:					
							Lodging	Common Bunt	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Elevate	39	82	11.6	+8	M	G	VG	MR	MR	I	MS	I
AC® Emerson	55	82	12.5	+11	M	G	VG	S	R	I	MR	R
AC® Flourish	38	83	11.9	+5	E	F	VG	MR	I	I	I	S
CDC Buteo	86	80	11.6	+16	M	VG	F	S	I	I	S	MR
CDC Falcon *	103	79	11.7	0	E	F	VG	S	MR	MR	S	S
Moats	35	83	11.9	+16	E	G	F	MS	R	R	MR	S
<b>AAC Wildfire</b>	<b>28</b>	<b>88</b>	<b>11.6</b>	<b>+10</b>	<b>L</b>	<b>VG</b>	<b>G</b>	<b>MR</b>	<b>S</b>	<b>I</b>	<b>R</b>	<b>MR</b>

F=Fair; G=Good; VG=Very Good; R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

\*CDC Falcon has moved to the Canada Western General Purpose class in August 2014

## 2022 Varieties of Grain Crops for Saskatchewan - Winter Wheat Comparison

Variety	Site Years Tested	Yield as % of CDC Buteo		Protein Content (%)	Winter Survival	Resistance to:						Relative Maturity	Seed Weight (mg)	Volume Weight (kg/hL)	Height (cm)
		Area 1 & 2	Area 3 & 4			Lodging	Stem Rust	Leaf Rust	Stripe Rust	Bunt	FHB				
CDC Buteo	96	100	100	12.3	VG	F	I	I	S	S	MR	M	33	81	91
AAC Elevate	69	107	102	-0.4	G	VG	MR	I	S	MR	I	M	+4	-2	-7
Radiant	61	104	104	-0.3	VG	VG	S	S	MS	S	S	L	+2	-2	0
Moats	78	103	101	+0.3	G	F	R	R	MR	MS	S	M	-1	-1	+1
<b>AAC Wildfire</b>	<b>44</b>	<b>110</b>	<b>115</b>	<b>-0.1</b>	<b>VG</b>	<b>G</b>	<b>S</b>	<b>I</b>	<b>MR</b>	<b>MR</b>	<b>MR</b>	<b>VL</b>	<b>+3</b>	<b>-1</b>	<b>-5</b>

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## 2022 Alberta Seed Guide - CWRW Wheat Comparison

Variety	Overall Station Years of Testing	Overall Yield as % of Radiant	Yield Test Category		Agronomic Characteristics:							Disease Resistance				
			Low < 80 bu/ac	High > 80 bu/ac	Winter Survival	Maturity (d)	Protein %	Test Weight (lb/bu)	TKW (g)	Height (cm)	Resistance to Lodging	Stripe Rust	Leaf Rust	Stem Rust	Bunt	FHB
<b>Radiant (bu/ac)</b>		<b>78</b>	<b>64</b>	<b>94</b>												
Radiant			100	100	VG	219	12.0	63	35	91	VG	S	S	S	S	S
AAC Elevate	118	106	106	106	G	-1	-0.1	62	38	85	VG	S	I	MR	MR	I
CDC Buteo	170	97	96	97	VG	-1	+0.3	64	34	92	F	S	I	I	S	MR
Moats	118	104	102	107	G	-1	+0.7	64	33	93	F	MR	MR	R	MS	S
<b>AAC Wildfire</b>	<b>69</b>	<b>113</b>	<b>115</b>	<b>110</b>	<b>VG</b>	<b>+2</b>	<b>+0.2</b>	<b>63</b>	<b>38</b>	<b>88</b>	<b>G</b>	<b>MR</b>	<b>I</b>	<b>S</b>	<b>MR</b>	<b>MR</b>

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