

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

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

### 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 <sup>®</sup> 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

'AC' is an official mark used under license from Agriculture & Agri-Food Canada

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

## 2018 Seed Manitoba - Winter Wheat Comparison

Variety	Long Term Average Yield bu/ac	Site Years Tested	Protein %	Height +/- 75cm	Relative Maturity	Relative Winter Hardiness	Resistance to:					
							Lodging	Common Bunt	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Elevate	80	25	11.4	8	M	G	VG	MR	MR	I	MS	I
AC® Emerson	84	28	12.2	11	M	G	VG	S	R	I	MR	R
AC® Flourish	83	35	11.6	5	E	F	VG	MR	I	I	I	S
CDC Buteo	80	86	11.3	16	M	VG	G	S	I	I	S	MR
CDC Falcon *	79	103	11.4	0	E	F	VG	S	MR	MR	S	S
Moats	84	35	11.7	16	E	G	G	MS	R	R	MR	S
<b>AAC Wildfire</b>	<b>88</b>	<b>7</b>	<b>11.0</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

## 2018 Varieties of Grain Crops for Saskatchewan - Winter Wheat Comparison

Variety	Site Years Tested	Yield as % of CDC Buteo		Protein Content (%)	Resistance to:						Relative Maturity	Height (cm)	
		Area 1 & 2	Area 3 & 4		Lodging	Winter Survival	Stem Rust	Leaf Rust	Stripe Rust	Bunt			FHB
CDC Buteo (bu/ac)	17	100	100	12.3	F	VG	I	I	S	S	MR	M	91
AAC Elevate	7	110	103	-0.1	VG	G	MR	I	MS	MR	I	M	84
Radiant	17	103	102	-0.3	VG	VG	S	S	MS	S	S	L	91
AC® Flourish	9	101	101	+0.3	VG	F	I	I	I	MR	S	E	80
Moats	10	108	103	+0.4	F	G	R	R	MR	MS	S	M	92
<b>AAC Wildfire</b>	<b>6</b>	<b>114</b>	<b>118</b>	<b>0.0</b>	<b>G</b>	<b>VG</b>	<b>S</b>	<b>I</b>	<b>R</b>	<b>MR</b>	<b>MR</b>	<b>VL</b>	<b>86</b>

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

## 2018 Alberta Seed Guide - CWRW Wheat Comparison

Variety	Overall Yield (% Radiant)		Yield Test Category (% Radiant)				Winter Survival	Relative Maturity	Protein	Height (cm)	Lodging Resistance	Disease Resistance				
	All Sites	Station years of testing	Low < 45 bu/ac	Med 45-75 bu/ac	High 75-105 bu/ac	Very High >105 bu/ac						Bunt	Stripe Rust	Leaf Rust	Stem Rust	FHB
<b>Radiant (bu/ac)</b>	<b>76</b>		<b>37</b>	<b>63</b>	<b>87</b>	<b>114</b>										
Radiant	100		100	100	100	100	VG	L	12.0	90	VG	S	S	S	S	
AAC Elevate	106+	72	106	107+	107+	XX	G	M	+0.3	84	VG	MR	MS	I	MR	
AC® Flourish	100	119	99	98	102	104	F	E	+0.6	80	VG	MR	I	I	I	
CDC Buteo	97-	198	94-	98	95-	101	VG	M	+0.3	91	F	S	S	I	I	
Moats	104+	90	91	102	107+	108+	G	M	+0.7	91	F	MS	MR	R	R	
<b>AAC Wildfire</b>	<b>114+</b>	<b>43</b>	<b>XX</b>	<b>117+</b>	<b>114+</b>	<b>XX</b>	<b>VG</b>	<b>VL</b>	<b>+0.3</b>	<b>86</b>	<b>G</b>	<b>MR</b>	<b>R</b>	<b>I</b>	<b>S</b>	

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

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