

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Wildfire Canada Western Red Winter Wheat



Progress Through Research
Le progrès grâce à la recherche

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
AAC Wildfire	109	221	2.3	92	78.7	34.9	11.9	85	S	R	MR

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

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For more information, call 1-800-665-7333 or visit secan.com

2024 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 Coldfront	14	92	11.8	+7	M	VG	VG	S	R	R	R	R	I
AAC Overdrive	5	82	11.7	+4	E	VG	VG	R	R	MR	R	R	MR
AC® Emerson	69	83	12.7	+11	M	G	VG	S	R	I	MR	R	R
CDC Buteo	86	80	11.6	+16	M	VG	F	S	I	I	S	MR	MR
CDC Falcon *	103	79	11.8	0	E	F	VG	S	MR	MR	S	S	S
Moats	35	83	12.1	+16	E	G	F	MS	R	R	MR	S	S
AAC Wildfire	33	89	11.7	+10	L	VG	G	MR	S	I	R	MR	MR

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

2024 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	25	100	100	12.0	VG	F	I	I	S	S	MR	M	33.7	81.1	90
AAC Coldfront	5	113	117	+0.3	VG	VG	R	R	R	S	I	L	-1.7	+0.3	-7
Radiant	23	102	102	0.0	VG	VG	S	S	S	S	S	L	+1.8	-2.2	-1
Moats	16	103	101	+0.3	G	F	R	MR	MR	MS	S	M	-1.1	-0.6	+1
AAC Wildfire	12	111	115	-0.1	VG	G	S	I	MR	MR	MR	VL	+1.2	-2.3	-5

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2024 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
Radiant (bu/ac)		76	61	95												
Radiant			100	100	VG	219	12.0	63	35	89	VG	S	S	S	S	S
AAC Coldfront	31	111	111	110	VG	0	+0.4	64	34	83	VG	R	R	R	S	I
AAC Overdrive	21	108	106	111	VG	-3	+0.6	62	31	80	VG	R	MR	R	R	MR
AAC Wildfire	79	113	115	109	VG	+2	+0.2	63	38	85	G	MR	I	S	MR	MR

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