

Technical Bulletin

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SeCan

Canada's Seed Partner

AAC Overdrive Canada Western Red Winter Wheat



Description:

AAC Overdrive is an early maturing hard red winter wheat with broad adaptation for western Canada, especially the higher moisture areas where height and lodging are very important. With a great combination of short strong straw, high grain yield potential and impressive disease resistance, AAC Overdrive should be a solid choice for all winter wheat producers.

Parentage:

LG237/LG278//LJ460

Strengths:

- Early maturity, 5 days earlier than AAC Wildfire and 1 day later than CDC Falcon
- Short plant height, -4 cm shorter than AAC Elevate and -6 cm shorter than AAC Wildfire, +3cm taller than CDC Falcon
- High grain yield potential, 104% of AAC Elevate and 109% of CDC Falcon
- VG rating to lodging resistance
- VG rating for winter survival
- Resistant to stem rust, stripe rust and common bunt
- Moderately resistant to FHB and leaf rust

Neutral Traits:

- Slightly lighter seed weight compared to the checks
- Slightly lower test weight compared to the checks

Breeder:

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

PBR 91 Pending

2019-2021 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 weight (mg)	Grain Protein (%)	Winter Survival (%)	Stem Rust	Stripe Rust	FHB
AAC Elevate	102	214.3	2.4	77	80.1	35.5	12.0	85	MR	S	I
CDC Buteo	97	214.5	4.3	82	82.7	31.6	12.5	84	I	S	MR
CDC Falcon	97	211.6	2.2	70	80.0	28.6	12.3	85	MR	S	S
Moats	99	214.7	3.3	82	80.7	30.1	12.5	85	S	MR	S
AAC Overdrive	106	213.0	2.1	73	79.2	28.9	12.7	87	R	R	MR

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	I
AAC Wildfire	33	89	11.7	+10	L	VG	G	MR	S	I	R	MR
AC®Emerson	69	83	12.7	+11	M	G	VG	S	R	I	MR	R
CDC Buteo	86	80	11.6	+16	M	VG	F	S	I	I	S	MR
CDC Falcon *	103	79	11.8	0	E	F	VG	S	MR	MR	S	S
Moats	35	83	12.1	+16	E	G	F	MS	R	R	MR	S
AAC Overdrive	5	82	11.7	+4	E	VG	VG	R	R	MR	R	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
AAC Wildfire	12	111	115	-0.1	VG	G	S	I	MR	MR	MR	VL	+1.2	-2.3	-5
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 Overdrive		Insufficient data to publish													

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

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 Wildfire	79	113	115	109	VG	+2	+0.2	63	38	85	G	MR	I	S	MR	MR
AAC Overdrive	21	108	106	111	VG	-3	+0.6	62	31	80	VG	R	MR	R	R	MR

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

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