

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Goodwin Canada Prairie Spring Red Wheat



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Goodwin is a short strong strawed CPS wheat that has high grain yield potential and good disease resistance. AAC Goodwin is unique in that both parent lines are CWRS varieties leading to the highest protein in a CPS wheat currently available. AAC Goodwin should be well adapted to all growing regions of western Canada.

Parentage: Carberry/AC Cadillac

Strengths:

- Grain yield 112% of AC[®] Carberry in western bread wheat registration trials
- Excellent lodging resistance, similar to AC[®] Carberry
- Highest protein CPS based on provincial regional variety trials
- Resistant to leaf rust and stripe rust

Neutral Traits:

- Intermediate resistance to FHB, stem rust, bunt and leaf spot

Weaknesses:

- Moderately susceptible to Loose Smut

Breeder:

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PBR 91 Protected

2013-2014 Western Bread 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
Katepwa	94.0	97.6	3.4	107	78.2	33.4	14.0	N/A	I
AC [®] Carberry	103.7	101.0	1.3	88	80.0	35.8	14.1	398	MR
Glenn	104.6	100.4	1.9	98	82.9	34.5	13.8	368	I
AAC Goodwin	116.0	101.1	1.4	88	79.9	36.8	13.7	448	I

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 Foray VB	31	81	13.2	1	5	Y	VG	P	MS	I	MS	MR	R	I	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
AAC Goodwin	33	78	14.2	2	0	Y	VG	G	MS	I	I	I	R	R	I

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 Foray VB	5	104	108	-1.5	F	P	MR	R	I	MS	I	MS	I	Y	H	0	+7.0	-1.6	+6
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
AAC Goodwin	5	109	106	-0.3	G	G	I	R	R	MS	I	I	I	Y	H	+2	+0.8	0.0	-1

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
AAC Brandon (bu/ac)			79	58	95											
AAC Brandon - check	2022	142	100	100	100	104	14.0	64	40	84	Y	G	P	S	MR	MR
AAC Foray VB	2015	41	112	XX	XX	+2	-1.6	63	51	91	Y	G	G	I	MR	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
AAC Goodwin	2018	38	108	107	109	-1	-0.6	63	41	85	Y	VG	G	MS	R	I

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

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