

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

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Neutral Traits:

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

Weaknesses:

- Moderately susceptible to Loose Smut

Breeder:

Dr. Richard Cuthbert
Swift Current Research and Development Centre
Agriculture and Agri-Food Canada
Swift Current, SK

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

2021 Seed Manitoba – CPSR Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 81cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC® Carberry	137	68	14.5	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AAC Foray VB	31	78	13.1	1	+5	Y	VG	P	MS	I	MS	MR	R	I	I
AAC Penhold	44	76	13.9	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Ryley	30	72	13.1	1	+3	Y	G	G	I	R	MS	R	R	S	MS
AAC Goodwin	33	76	14.1	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

2021 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % of Carberry			Protein	Resistance to:									Relative Maturity (days)	Head Awedness	Seed Weight (mg)	Test Weight (kg/hl)	Height (cm)
		Area 1 & 2	Area 3 & 4	Irrigation		Lodging	Sprouting	Stem Rust	Leaf Rust	Stripe Rust	Loose Smut	Bunt	Leaf Spot	FHB					
AC® Carberry	6	100	100	100	14.5	VG	F	MR	R	MR	MR	R	MS	MR	102	Y	35.8	80.3	83
AAC Foray VB	5	116	120	122	-1.6	F	P	MR	R	I	MS	I	MS	I	+1	Y	+7.8	-1.4	+5
AAC Penhold	5	108	111	108	-0.9	VG	VG	MR	R	MR	I	R	I	MR	-2	Y	+5.0	-0.2	-9
AAC Goodwin	4	116	114	---	-0.6	G	G	I	R	R	MS	I	I	I	-1	Y	+1.1	+0.2	+2

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

2021 Alberta Seed Guide - CPSR Wheat Comparison

Variety	Overall Station years of testing	Overall Yield	Yield as % of AC® Carberry			Maturity Rating (Days +/- Carberry)	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Awns Y/N	Resistance to:		Disease Resistance:		
			Low < 55 bu/ac	Med 55-80 bu/ac	High >80 bu/ac							Lodging	Sprouting	Bunt	Stripe Rust	FHB
AC® Carberry bu/ac		73	40	62	90											
AC® Carberry	100		100	100	100	104	14.0	63	40	85	Y	VG	F	R	MR	MR
AAC Foray VB	41	121	117	123	123	0	-1.6	63	51	90	Y	G	G	I	MR	I
AAC Penhold	70	113	107	113	115	-2	-0.7	63	44	79	Y	VG	VG	R	I	MR
AAC Ryley	37	111	108	112	110	-1	-1.2	60	48	87	Y	G	G	R	S	MS
AAC Goodwin	48	115	112	116	117	-1	-0.6	63	41	87	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