

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 tolerance, 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:

- MS to Loose Smut

Breeder:

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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

2018 Seed Manitoba – CPSR Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 91cm	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC® Carberry	97	66	14.5	2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AAC Foray VB	31	76	13.1	1	+5	Y	VG	P	MS	I	MS	MR	R	I	I
AAC Penhold	44	73	13.9	1	-10	Y	VG	VG	I	R	I	MR	R	MR	MR
AAC Ryley	30	70	13.0	1	+3	Y	G	G	I	R	MS	R	R	S	MS
5702PR	30	70	12.8	1	+3	Y	VG	P	MS	I	I	I	MR	MS	MS
SY Rowyn	20	74	13.4	1	-5	Y	VG	---	I	S	I	R	R	MR	MR
AAC Goodwin	20	74	14.3	2	0	Y	VG	---	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

2018 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	---	14.6	VG	F	MR	R	MR	MR	R	MS	MR	99	Y	34.8	80.3	82
AAC Foray VB	5	116	121	---	-1.7	F	P	MR	R	I	MS	I	MS	I	0	Y	+7.6	-1.5	+6
AAC Penhold	5	108	111	---	-1.0	VG	VG	MR	R	MR	I	R	I	MR	-2	Y	+4.8	-0.1	-9
AAC Ryley	5	103	110	---	-1.2	P	G	R	R	S	I	R	MS	MS	-2	Y	+6.6	-4.7	+2
5700PR	5	107	113	106	---	VG	F	R	I	S	MS	R	MS	MS	-1	Y	+5.5	0.0	-4
SY Rowyn	1	103	107	---	-1.1	F	F	R	R	MR	I	S	I	MR	-1	Y	-4.4	-0.4	-5
AAC Goodwin	2	116	117	---	-0.5	G	G	I	R	R	R	MS	I	I	-1	Y	+1.2	+0.2	+1

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

2018 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Overall Yield (1)		Test Yield Category (2)			Maturity Rating	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Resistance to:		Disease Resistance:						
	All Sites	Station years of testing	Low < 65 bu/ac	Med 65-90 bu/ac	High >90 bu/ac						Ldg.	Sprout	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB		
AC Barrie bu/ac	66		42	64	89														
AC Barrie	100		100	100	100	M	13.8	63	40	90	G	G	MR	I	S	MS	I		
AC® Carberry	106+		107+	107+	104+	L	0	63	40	79	VG	F	MR	R	MR	MS	MR		
AAC Foray VB	128+	41	XX	130+	120+	M	-1.7	63	51	85	G	G	MS	I	MR	MS	I		
AAC Penhold	118+	58	113+	123+	118+	M	-1	63	45	71	VG	G	I	R	MR	I	MR		
AAC Ryley	118+	37	XX	120+	114+	M	-0.6	60	48	82	G	G	I	R	S	MS	MS		
5700PR	117+	117	XX	121+	113+	L	-1.9	62	42	75	VG	F	MS	R	MS	MS	MS		
SY Rowyn	114+	30	113+	117+	111+	M	-1	62	36	78	G	G	I	S	MR	I	MR		
AAC Goodwin	123+	31	121+	126+	122+	M	-0.4	63	41	83	VG	G	MS	MS	R	I	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