

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AC[®] Stettler



Canada Western Red Spring Wheat

Description:

AC[®] Stettler is an awned, semi-dwarf CWRS variety with very high grain yield, high grain protein potential and strong straw. AC[®] Stettler is one day later maturing than AC Barrie and has very good sprouting resistance. AC[®] Stettler also provides resistance to stem rust, common bunt and loose smut. This variety is well adapted across the grain growing areas of western Saskatchewan and Alberta. AC[®] Stettler is an excellent replacement for Superb on the western Prairies due to its higher grain yield, higher protein and earlier maturity.

Parentage: Prodigy/Superb

Strengths:

- Grain yield 111% of AC Barrie, 103% of Superb over all sites in 2005 to 2007 Coop Registration trials
- Grain protein potential 0.4% higher than AC Barrie, 0.9% higher than Superb
- Maturity two days later than AC Barrie, one day earlier than Superb
- Height 6 cm shorter than AC Barrie, 3 cm taller than Superb

- Lodging resistance similar to AC Barrie and Superb
- Good preharvest sprouting resistance (high falling number)
- Good stem rust resistance
- Good resistance to common bunt

Neutral Traits:

- Very high test weight equal to AC Barrie
- Good resistance to loose smut and common bunt

Weaknesses:

- "Poor" rating for fusarium head blight resistance
- "Poor" rating for leaf rust resistance

Breeder:

Dr. Ron DePauw
Semiarid Prairie Agricultural Research Centre
Agriculture and Agri-Food Canada
Swift Current, SK

Thanks for making AC[®] Stettler the #1 CWRS in Alberta in 2014 & 2015*

2005-2007 Western Bread Wheat Cooperative Trials - Registration Data

Variety	Yield (% Barrie)	Maturity days	Lodging 1 = erect 9 = flat	Height (cm)	Test wt. (kg/hL)	Kernel Kernel Wt (mg/kernel)	Grain Protein (%)	Falling Number	FHB Resistance Rating
AC Barrie	100	100	2.5	98	78.9	32.4	15.1	395	F
Katepwa	96	99	3.5	102	77.6	30.5	14.8	385	F
Superb	108	103	2.6	89	78.2	35.9	14.6	370	P
Laura	100	102	4.1	101	78.0	30.0	15.1	368	---
AC[®] Stettler	111	102	2.7	92	78.9	31.8	15.5	375	P

---=Insufficient data; F=Fair; P=Poor

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* Based on Agriculture Financial Services Corporation data

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

2016 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein %	Maturity +/- 99 days	Height +/- 32"	Spike Awned	Resistance to:								
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AC Barrie	165	58	14.5	0	5	N	G	G	MR	I	MS	MR	MS	S	I
AC® KANE	92	61	14.5	+1	3	Y	G	VG	MS	I	I	R	R	MR	I
Harvest	61	60	14.3	-1	3	N	VG	VG	MR	S	MS	R	MR	MR	S
AAC Brandon	42	65	14.2	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AAC Redwater	42	60	14.6	-2	3	Y	G	VG	MS	I	MS	R	R	MR	I
AC® Cardale	28	63	14.5	+2	1	Y	VG	G	I	MR	MS	R	R	MR	MR
AC® Carberry	70	62	14.5	+2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AC® Stettler	40	59	14.8	+1	3	Y	G	G	R	MR	MS	MR	MS	MR	MS

Lodging Ratings: F=Fair; G=Good; VG=Very Good

Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2016 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	---	14.7	VG	F	MR	R	MR	MR	R	MS	MR	105	Y	36	80.3	84	
Harvest	6	94	103	---	-0.3	VG	VG	R	MR	MR	MR	S	MS	S	-3	N	-2.8	-1.6	+10	
AAC Redwater	4	102	101	---	+0.1	F	VG	R	R	MR	MS	I	MS	I	-5	Y	-2.8	-1.7	+7	
AAC Brandon	4	107	105	---	-0.5	G	P	R	R	MR	MR	S	I	MR	0	Y	-0.1	-0.2	-1	
AC® Cardale	5	99	102	---	-0.2	G	G	R	R	S	I	MR	MS	MR	-1	Y	-2.8	-1.2	+3	
AC® Stettler	6	105	107	100	+0.2	G	G	MR	MS	MR	R	MR	MS	MS	-1	Y	-1.4	-1.1	+7	

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

2016 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 < 45 bu/ac	Med 45 - 70 bu/ac	High >70 bu/ac						Ldg.	Sprout	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB		
			Yield as % of AC Barrie																
AC Barrie bu/ac	59		34	55	78														
AC Barrie	100		100	100	100	M	14.1	64	37	89	G	G	MR	I	S	MS	I		
AAC Brandon	114+	41	106	117+	113+	M	-0.2	64	38	81	G	P	MR	S	MR	I	MR		
Harvest	102	118	98	103	104	M	-0.1	62	36	84	VG	VG	MR	S	MR	MS	S		
AAC Redwater	103	41	96	106	104	E	0.0	64	35	87	G	VG	MS	I	MR	MS	I		
AC® Cardale	105+	41	100	106+	105	M	-0.3	63	37	84	G	G	I	S	MR	MS	MR		
AC® Carberry	107+	91	116+	105	106+	L	-0.1	64	39	77	VG	F	MR	R	MR	MS	MR		
AC® Stettler	112+	69	119+	109+	111+	M	-0.3	63	37	84	G	G	R	I	I	S	MS		

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

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