

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Bradwell Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche

Description:

CDC Bradwell is an awned CWRS variety that when compared to AC[®] Cardale has +3% grain yield advantage and superior straw strength. CDC Bradwell has a well rounded disease package with good resistance to leaf rust and bunt and intermediate resistance to FHB. CDC Bradwell is well adapted across western Canada.

Parentage: 5602HR/W02330

Strengths:

- Grain yield 103% of AC[®] Cardale, over all sites in 2011 to 2012 Coop Registration trials
- Grain yield 102% of AC[®] Carberry in Saskatchewan regional variety trials
- Superior lodging resistance to AC[®] Cardale (slightly weaker than AC[®] Carberry)
- Resistant to leaf rust and bunt
- **Has shown egg laying deterrence to Orange Wheat Blossom Midge**

Neutral Traits:

- Moderately resistant to stem rust and loose smut
- Intermediate resistance to FHB
- Maturity similar to AC[®] Carberry
- 7cm taller than AC[®] Carberry

Weaknesses:

- Moderately susceptible to stripe rust and leaf spot
- Fair rating for sprouting tolerance

Breeders:

Dr. Pierre Hucl
Crop Development Centre
University of Saskatchewan
Saskatoon, SK

PBR 91 Protected

2011-2012 Western Bread Wheat Cooperative Trials - Registration Data

Variety	Yield (% of AC [®] Cardale)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/kl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Falling Number	FHB Resistance Rating
AC [®] Cardale	100	96.2	2.2	85.5	77.1	30.7	15.3	443	MR
AC [®] Unity VB	108	94.8	3.6	94.0	79.0	32.1	14.8	435	I
5603HR	100	96.5	2.7	94.0	78.0	31.1	14.5	443	I
CDC Bradwell	103	97.6	1.4	87.0	79.6	31.4	15.0	440	I

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

Jan 2019

2019 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	Bunt	Leaf Spot	Stem Rust	Leaf Rust	Stripe Rust	FHB
AAC Brandon	60	69	14.2	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AC® Carberry	110	66	14.5	+2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AC® Cardale	28	67	14.5	+2	+3	Y	VG	G	I	MR	MS	R	R	S	MR
AAC Elie	44	68	14.3	+2	-3	Y	VG	F	I	I	I	R	R	MR	I
AAC Redwater	43	64	14.5	-2	+8	Y	G	VG	MS	I	MS	R	R	MR	I
AAC Tisdale	32	67	15.1	+1	+8	Y	G	F	MR	MR	MS	R	R	S	MR
Parata	6	69	14.2	-2	+13	Y	G	---	MR	S	I	R	MR	MR	I
CDC Bradwell	33	66	14.4	+3	+5	Y	VG	F	MR	R	MS	MR	R	MS	I

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

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

2019 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	14.6	VG	F	MR	R	MR	MR	R	MS	MR	99	Y	35.7	80.3	83
AAC Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.1	-0.1	0
AAC Elie	5	105	105	---	-0.2	G	F	R	R	MR	I	I	I	I	0	Y	-0.1	0.0	-2
AAC Redwater	5	102	101	---	+0.1	F	VG	R	R	MR	MS	I	MS	I	-3	Y	-3.5	-1.3	+8
AC® Stettler	6	105	107	100	+0.2	F	G	MR	MS	MR	R	MR	MS	MS	-1	Y	-0.6	-0.4	+8
AAC Tisdale	3	100	109	---	+0.7	F	F	R	R	S	MR	MR	MS	MR	-2	Y	+0.8	-0.3	+8
Parata	2	98	106	---	+0.3	F	F	R	MR	MR	MR	S	I	I	-2	Y	-2.0	-0.1	+11
CDC Bradwell	5	101	108	---	0.0	VG	F	MR	R	MS	MR	R	MS	I	0	Y	-2.0	+0.6	+8

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

2019 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Overall Yield		Test Yield Category			Maturity Rating	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Resistance to:		Disease Resistance:						
	All Sites	Station years of testing	Low < 55 bu/ac	Med 55 - 80 bu/ac	High >80 bu/ac						Ldg.	Sprout	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB		
			Yield as % of AC® Carberry																
AC® Carberry bu/ac	67		45	65	92														
AC® Carberry	100		100	100	100	L	14.0	63	39	79	VG	F	MR	R	MR	MS	MR		
AAC Brandon	106	21	XX	103	110	M	-0.2	63	40	80	VG	P	MR	S	MR	I	MR		
AAC Redwater	96	41	91	101	98	E	0.0	64	35	87	G	VG	MS	I	MR	MS	I		
AAC Tisdale	101	45	100	101	102	M	+0.4	63	42	88	F	F	MR	MR	S	MS	MR		
AC® Stettler	106	82	105	105	104	M	0.0	63	39	85	G	G	R	MR	I	MS	MS		
Parata	97	31	XX	98	96	E	+0.7	64	39	87	F	F	MS	S	MR	I	I		
CDC Bradwell	101	42	97	105	101	L	-0.3	63	38	84	VG	F	MR	R	MS	MS	MS	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

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