

Technical Bulletin

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Canada's Seed Partner

AAC Brandon

Canada Western Red Spring Wheat



Description:

AAC Brandon is an awned, semi-dwarf CWRS variety that when compared to AC[®] Carberry has +5% grain yield, 0.5 days earlier maturity, 1 cm shorter and similar lodging tolerance, and excellent disease resistance package. AAC Brandon is well adapted across western Canada but will be especially attractive to wheat producers in the high yielding areas of the Prairies who desire a short, strong strawed variety with good FHB resistance.

Parentage: Superb/CDC Osler//ND744

Strengths:

- Grain yield 105% of AC[®] Carberry, over all sites in 2009 to 2011 Coop Registration trials
- 1 cm shorter than AC[®] Carberry
- Lodging resistance similar to AC[®] Carberry (slightly weaker)
- Moderately resistant to FHB
- Resistant to leaf rust and stem rust
- Moderately resistant to stripe rust
- Large seed size, similar to Superb
- ½ day earlier maturing compared to AC[®] Carberry

Neutral Traits:

- Falling # similar to checks
- Grain protein -0.3% of AC[®] Carberry

Weaknesses:

- Susceptible to common bunt
- Poor rating to sprouting tolerance

Breeders:

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Agriculture and Agri-Food Canada
Swift Current, SK

2009-2011 Western Bread Wheat Cooperative Trials - Registration Data

Variety	Yield (% of Katepwa)	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	100	103.4	2.3	96	78.8	33.7	13.9	330	I
Laura	107	106.5	2.6	94	78.7	33.2	14.2	385	I
AC [®] Lillian	104	103.6	2.0	93	78.3	36.9	14.8	425	S
AC[®] Carberry	107	107.5	1.2	81	80.3	36.1	14.2	300	MR
CDC Kernen	113	105.7	1.9	96	79.7	36.8	14.3	355	I
AAC Brandon	112	107.0	1.5	80	80.1	36.1	13.9	330	MR

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

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2020 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
AC® Carberry	124	67	14.6	+2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AAC Elie	45	68	14.3	+2	-3	Y	VG	F	I	I	I	R	R	MR	I
AAC Redwater	43	65	14.5	-2	+8	Y	G	VG	MS	I	MS	R	R	MR	I
AAC Tisdale	32	68	15.2	+1	+8	Y	G	F	MR	MR	MS	R	R	S	MR
CDC Bradwell	33	67	14.4	+3	+5	Y	VG	F	MR	R	MS	MR	R	MS	I
Parata	20	67	14.7	-2	+13	Y	G	---	MR	S	I	R	MR	MR	I
AAC Brandon	61	70	14.3	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR

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

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

2020 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 Elie	5	105	105	---	-0.3	G	F	R	R	MR	I	I	I	I	0	Y	-0.1	0.0	-2
AAC Tisdale	4	100	106	---	+0.5	F	F	R	R	S	MR	MR	MS	MR	-1	Y	+0.6	-0.4	+8
CDC Bradwell	5	101	108	---	-0.2	VG	F	MR	R	MS	MR	R	MS	I	0	Y	-2.1	+0.6	+8
Parata	3	97	105	---	+0.1	F	F	R	MR	MR	MR	S	I	I	-2	Y	-2.2	0.0	+10
AAC Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.1	0.0	-1

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

2020 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Overall Yield		Test Yield Category			Maturity Rating (Days +/- Carberry)	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	70		45	66	95														
AC® Carberry	100		100	100	100	104	13.9	63	40	84	VG	F	MR	R	MR	MS	MR		
AAC Redwater	96	41	91	101	98	-3	0.0	64	35	90	G	VG	MS	I	MR	MS	I		
AAC Tisdale	101	45	100	101	102	-1	+0.4	63	42	91	F	F	MR	MR	S	MS	MR		
AC® Stettler	106	96	105	105	104	0	0.0	63	39	90	G	G	R	MR	I	MS	MS		
CDC Bradwell	101	42	97	105	101	0	-0.3	63	38	89	VG	F	MR	R	MS	MS	I		
Parata	94	45	90	94	96	-4	+0.8	63	39	89	F	F	MR	S	MR	I	I		
AAC Brandon	105	35	XX	103	107	0	-0.3	63	41	85	G	P	MR	S	MR	I	MR		

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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