

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Redwater Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Redwater is an awned, early maturing CWRS with good lodging tolerance and disease resistance. AAC Redwater is well adapted across western Canada, but will be especially attractive to wheat producers in the shorter season areas of the Prairies who desire a short, strong strawed variety with “Fair/Intermediate” FHB resistance. AAC Redwater is expected to have excellent grade retention based on its parentage.

Parentage: AC Intrepid//Harvest/McKenzie

Strengths:

- Grain yield 106% of Katepwa, (average of all sites in 2009 to 2011 Parkland Wheat Coop Registration trials)
- Based on parentage, excellent grade retention expected
- Early maturing, ½ day later than AC Splendor
- Height similar to AC[®] Stettler,
- Good lodging resistance

- R stem rust resistance
- MR to stripe rust and leaf rust resistance
- Fair/Intermediate rating for fusarium head blight resistance
- Very good sprouting tolerance

Neutral Traits:

- Intermediate resistance to bunt

Weaknesses:

- Susceptible to loose smut
- Moderately susceptible to leaf spot

Breeders:

Dr. D.G. Humphreys
Cereal Research Centre
Agriculture and Agri-Food Canada
Winnipeg, MB

PBR 91 Protected

2009-2011 Parkland 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	104.2	3.0	96.7	79.2	35.0	13.7	407	I
AC Splendor	99	102.8	2.9	93.2	78.9	35.6	14.6	417	MS
CDC Osler	107	105.4	5.6	90.4	79.4	35.3	14.1	467	I
CDC Teal	107	105.1	2.4	93.0	79.2	35.2	14.2	412	S
AAC Redwater	106	103.4	2.4	87.3	79.2	34.6	14.2	452	I

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

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2018 Seed Manitoba - 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
AAC Brandon	59	69	14.2	+2	0	Y	VG	P	MR	S	I	R	R	MR	MR
AC® Carberry	97	66	14.5	+2	0	Y	VG	F	MR	R	MS	MR	R	MR	MR
AC® Cardale	28	66	14.5	+2	+3	Y	VG	G	I	MR	MS	R	R	S	MR
AAC Elie	44	67	14.3	+2	-3	Y	VG	F	I	I	I	R	R	MR	I
AAC Tisdale	19	67	15.0	+4	+8	Y	G	---	MR	MR	MS	R	R	S	MR
CDC Bradwell	33	66	14.4	+3	+5	Y	VG	F	MR	R	MS	MR	R	MS	I
AAC Redwater	43	64	14.5	-2	+8	Y	G	VG	MS	I	MS	R	R	MR	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 Awning	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	34.8	80.3	82
AAC Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.4	-0.1	0
AC® Cardale	5	99	101	---	-0.1	F	G	R	R	S	I	MR	MS	MR	0	Y	-0.8	-1.1	+1
AAC Elie	5	105	105	---	-0.2	G	F	R	R	MR	I	I	I	I	0	Y	+0.2	0.0	-2
AC® Stettler	6	105	107	100	+0.2	F	G	MR	MS	MR	R	MR	MS	MS	-1	Y	-1.1	-1.4	+7
AAC Tisdale	2	100	110	---	+0.6	F	F	R	R	S	MR	MR	MS	MR	-1	Y	+1.0	-0.2	+9
CDC Bradwell	4	100	107	---	-0.1	VG	F	MR	R	MS	MR	R	MS	I	0	Y	-1.4	+0.5	+8
AAC Redwater	5	102	101	---	+0.1	F	VG	R	R	MR	MS	I	MS	I	-4	Y	-3.2	-1.6	+8

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

2018 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 < 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	60		42	63	84														
AC Barrie	100		100	100	100	M	14	63	37	89	G	G	MR	I	S	MS	I		
AC® Carberry	107+	95	110+	106+	104	L	0.0	63	39	79	VG	F	MR	R	MR	MS	MR		
AAC Brandon	114+	41	106	117+	113+	M	-0.2	64	38	81	VG	P	MR	S	MR	I	MR		
AC® Stettler	112+	83	115+	110+	112+	M	0.0	62	38	84	G	G	R	MR	I	MS	MS		
AAC Tisdale	106+	28	106	107	106+	M	0.4	63	43	89	F	F	MR	MR	S	MS	MR		
CDC Bradwell	108+	42	107+	108+	110+	L	-0.3	63	38	84	VG	F	MR	R	MS	MS	I		
AAC Redwater	103	41	96	106	104	E	0.0	64	35	87	G	VG	MS	I	MR	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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