

Technical Bulletin

Genes that fit *your* farm.



AAC Redwater Canada Western Red Spring Wheat



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

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 Tisdale	32	67	15.1	+1	+8	Y	G	F	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	
Parata	6	69	14.2	-2	+13	Y	G	---	MR	S	I	R	MR	MR	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

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	
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	
CDC Bradwell	5	101	108	---	0.0	VG	F	MR	R	MS	MR	R	MS	I	0	Y	-2.0	+0.6	+8	
Parata	2	98	106	---	+0.3	F	F	R	MR	MR	MR	S	I	I	-2	Y	-2.0	-0.1	+11	
AAC Redwater	5	102	101	---	+0.1	F	VG	R	R	MR	MS	I	MS	I	-3	Y	-3.5	-1.3	+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 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		
CDC Bradwell	101	42	97	105	101	L	-0.3	63	38	84	VG	F	MR	R	MS	MS	MR		
Parata	97	31	XX	98	96	E	+0.7	64	39	87	F	F	MS	S	MR	I	MR		
AAC Redwater	96	41	91	101	98	E	0.0	64	35	87	G	VG	MS	I	MR	MS	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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