

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

AAC Tisdale Canada Western Red Spring Wheat



Progress Through Research
Le progrès grâce à la recherche

Description:

AAC Tisdale is an awned CWRS variety with consistently low DON accumulation, moderately resistant rating to FHB and high grain protein. AAC Tisdale has good lodging tolerance, improved grain yield and good overall disease package. AAC Tisdale is well suited to all growing regions of western Canada.

Parentage: Somerset/BW865//Waskada

Strengths:

- Moderately resistant to FHB and low DON accumulation
- Grain yield 104% of the mean of the checks, over all sites in 2013 to 2015 Coop Registration trials
- High protein potential based on provincial regional variety trials
- Improved lodging compared to the checks
- Resistant to stem and leaf rust
- Moderately resistant to common bunt and loose smut
- Large seed size

Neutral Traits:

- Later maturing than the checks (1 day earlier than AC® Carberry)
- 7cm taller than AC® Carberry

Weaknesses:

- Moderately susceptible to stripe rust

Breeder:

Dr. Richard Cuthbert
Swift Current Research and Development Centre
Agriculture and Agri-Food Canada
Swift Current, SK

PBR 91 Protected

2013-2015 Parkland Wheat Cooperative Trials - Registration Data

Variety	Yield (% of Check Mean)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/kl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Falling Number
AC Splendor	94.5	95.9	2.7	98	78.0	34.9	14.5	405
PT472	104.7	96.8	2.2	98	80.8	36.3	14.2	445
Parata	100.8	97.7	2.2	93	80.4	34.8	14.5	400
AAC Tisdale	103.6	100.1	1.9	93	80.5	37.5	14.5	395

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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 Brandon	61	70	14.3	+2	0	Y	VG	P	MR	S	I	R	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
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 Tisdale	32	68	15.2	+1	+8	Y	G	F	MR	MR	MS	R	R	S	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 Brandon	5	106	106	---	-0.4	G	P	R	R	MR	MR	S	I	MR	0	Y	+0.1	0.0	-1
AAC Elie	5	105	105	---	-0.3	G	F	R	R	MR	I	I	I	I	0	Y	-0.1	0.0	-2
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 Tisdale	4	100	106	---	+0.5	F	F	R	R	S	MR	MR	MS	MR	-1	Y	+0.6	-0.4	+8

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 Brandon	105	35	XX	103	107	0	-0.3	63	41	85	G	P	MR	S	MR	I	MR		
AAC Redwater	96	41	91	101	98	-3	0.0	64	35	90	G	VG	MS	I	MR	MS	I		
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 Tisdale	101	45	100	101	102	-1	+0.4	63	42	91	F	F	MR	MR	S	MS	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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