

Technical Bulletin

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AC[®] Waskada Canada Western Red Spring Wheat

Description:

AC[®] Waskada is an awned CWRS variety that provides high grain yield along with a “Good” rating for resistance to fusarium head blight. AC[®] Waskada has shown good sprouting resistance in addition to good resistance to stem rust, loose smut and common bunt. AC[®] Waskada is well adapted across the western Canadian Prairies and represents an important step toward better fusarium head blight resistance for CWRS wheat.

Parentage: BW278/2*Superb (BW278 derives from cross of AC Domain*2/Sumai 3)

Strengths:

- “Good” rating for fusarium head blight resistance
- Grain yield 112% of AC Barrie, 102% of Superb over all sites in 2004 to 2006 Coop Registration trials
- Maturity two days earlier than Superb
- Good sprouting resistance
- Good resistance to loose smut and common bunt
- Very high test weight and large kernels

Neutral Traits:

- Intermediate leaf rust resistance and good stem rust resistance
- Maturity one day later than AC Barrie
- Grain protein potential similar to AC Barrie and higher than Superb
- Height 4 cm taller than AC Barrie, 12 cm taller than Superb

Weakness:

- Straw strength similar to McKenzie, weaker straw than AC Barrie and Superb

Breeder:

Dr. Stephen Fox
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Agriculture and Agri-Food Canada
Winnipeg, MB

2004-2006 Central Bread Wheat Cooperative Trials - Registration Data

Variety	Yield (% AC Barrie)	Maturity (days)	Lodging 1 = erect 0 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)	Grain Protein (%)	Sprout Score 1 = best	FHB Resistance Rating
AC Barrie	100	100	2.0	96	78.0	33.4	13.8	4.2	F
Katepwa	98	98	2.8	99	76.9	32.1	13.6	5.6	F
McKenzie	110	99	2.9	97	78.1	31.8	13.8	3.0	F
CDC Teal	104	99	2.2	94	77.3	33.0	14.2	5.9	VP
Superb	109	103	1.8	88	77.8	36.0	12.9	3.2	P
AC[®] Waskada	112	101	2.9	100	79.4	33.7	13.6	1.3	G

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

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

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2011 Seed Manitoba - Wheat Comparison

Variety	Long Term Average Yield (% AC Barrie)	Site Years Tested	Protein (+/- AC Barrie)	Relative Maturity (days)	Height	Spike Awned	Resistance to:						
							Lodging	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	FHB
AC Barrie	100		0	99	37"	N	G	MR	I	MS	MR	MS	I
5602HR	111	89	0.3	1	0	Y	F	R	MR	I	R	R	MR
AC® KANE	108	55	0.0	+1	-2	Y	G	MS	I	I	R	R	I
Harvest	108	60	-0.1	-1	-2	N	VG	MR	S	MS	R	MR	S
McKenzie	110	37	---	-1	0	Y	F	MS	R	I	R	R	I
Superb	105	89	-0.1	+2	-3	Y	VG	I	MR	MS	R	S	MS
AC® Waskada	107	42	0.0	+1	+2	Y	F	MR	R	MS	R	I	MR

varietal blend Lodging Ratings: F=Fair; G=Good; VG=Very Good Disease Ratings: R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2011 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % of AC Barrie			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 Barrie	11	100	100	100	15.0	G	G	G	P	P	G	F	P	F	100	N	36.0	79.9	93
Harvest	6	101	104	---	-0.4	VG	VG	VG	G	---	G	F	P	VP	-1	N	-0.4	+0.1	-6
AC® Lillian	6	103	100	---	+0.2	F	G	G	VG	G	F	G	P	VP	0	N	-0.3	-1.1	-1
McKenzie	6	107	103	109	-0.4	F	G	G	VG	P	VP	VG	P	F	-1	Y	-1.5	+0.1	+1
Superb	6	109	109	---	-0.4	G	G	G	P	P	F	G	VP	P	+3	Y	+2.6	-0.5	-7
AC® Waskada	7	116	112	---	-0.4	F	G	VG	F	---	G	G	P	G	+1	Y	+0.3	+1.4	+4

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

2011 Alberta Seed Guide - CWRS Wheat Comparison

Variety	Overall Yield (1)		Test Yield Category (2)			Comp. Maturity days	Protein %	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Resistance to:				Tolerance to:			
	All Sites	Station years of testing	Low < 45 bu/ac	Med 45 - 70 bu/ac	High >70 bu/ac						Lodging	Loose Smut	Bunt	Stripe Rust	Leaf Spot	Sprout	FHB	
			Yield as % of AC Barrie															
AC Barrie bu/ac	59		36	57	82													
AC Barrie	100	(240)	100	100	100	M	14.3	63	37	88	G	G	F	P	P	G	F	
Harvest	102	(110)	99	103+	101	E	0.0	62	36	83	VG	G	F	F	P	VG	VP	
AC® Lillian	103	(80)	107	102	100	M	-0.1	61	38	86	G	F	G	G	P	G	VP	
McKenzie	103+	(104)	107+	103	101	E	-0.9	62	34	90	F	P	VG	P	F	VG	F	
Superb	112+	(173)	112+	112+	111+	M	-0.4	62	42	84	G	F	G	P	P	G	P	
AC® Waskada	100	(67)	102	99	101	M	0.1	64	37	92	G	G	G	G	P	G	G	

Ratings: VG = Very Good, G = Good, F = Fair, P = Poor, VP = Very Poor.

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