

Technical Bulletin

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SeCan

Canada's Seed Partner

Superb

Canada Western Red Spring Wheat



Superb is a new semi-dwarf CWRS variety with breakthrough yield levels. It was developed from the cross between Grandin*2 X AC Domain and was tested in the Central Bread Wheat Cooperative trials from 1997 to 1999. It is a similar plant type to Grandin with an awned head and short, strong straw. Superb also provides excellent lodging resistance, good sprouting resistance and high test weight.

Strengths:

- 115% higher yield than AC Barrie in Central Bread Wheat Coop Trials (1998-99)
- Semi-dwarf with excellent lodging resistance, stronger straw than AC Barrie
- Short straw, 3.5 inches shorter than AC Barrie
- Improved harvestability – reduced straw height allows faster combine travel
- FHB resistance rated as “Fair”
- Good sprouting resistance, similar to AC Majestic and AC Domain
- High test weight, similar to AC Majestic and AC Barrie
- Very large seed – 12% larger seed than AC Barrie
- Stem rust resistant
- Good shattering resistance

Neutral Traits:

- 2 days later than AC Barrie
- Moderately resistant to bunt, loose smut and common root rot
- Grain protein similar to Katepwa, slightly lower grain protein than AC Barrie

Weaknesses:

- Leaf Disease: Septoria and tan spot resistance slightly weaker than AC Barrie
- AC Barrie
- Intermediate resistance to leaf rust but better leaf rust resistance than AC Barrie

Breeder:

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1997- 99 Central Bread Wheat Cooperative Test Data

Entry	Yield (% Neepawa)	Maturity (days)	Lodging 1=erect 9=flat	Height (cm)	Grain Protein (%)	Test Wt. (kg/hL)	1000 Kernel Weight (mg)	Sprout Score 1=best
Neepawa	100	92.4	3.1	101	14.1	78.8	31.8	4.5
Roblin	96	- 1	1.9	94	+1.2	78.0	34.2	8.4
AC Majestic	105	+2	2.1	95	+0.2	79.3	33.1	1.6
McKenzie	122	+1	3.3	95	0	80.7	32.8	2.7
AC Barrie*	112	+ 2	2.5	98	+0.1	79.6	33.9	5.1
Superb	124	+4	1.9	88	0	80.5	37.2	1.7

* AC Barrie was tested in 1998 and 1999

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

Seed Manitoba 2006 - Canada Western Red Spring Wheat

Variety	Long Term Average Yield % of AC Barrie	Days to Maturity +/- AC Barrie	Seed Size	Height	Resistance to:							Protein % of AC Barrie
					Lodging	Stem Rust	Leaf Rust	Loose Smut	Bunt	FHB	Leaf Spot	
AC Barrie	100	0	L	M	G	G	P	G	G	F	P	100
AC Domain	97	-2	M	M	VG	G	F	VG	G	P	VP	106
CDC Teal	98	-3	M	M	G	G	G	G	F	VP	P	--
AC Intrepid	105	-4	L	M	G	G	G	F	G	P	F	--
AC Cadillac	105	-1	L	M	F	G	G	VG	VG	F	F	--
McKenzie	110	-1	M	M	F	G	VG	P	VG	F	F	--
Superb	106	2	L	M	VG	G	P	F	G	P	P	100

Seed Size: L=Large; M=Medium Height: M=Medium Resistance: VG=Very Good; G=Good; F=Fair; P=Poor; VP=Very Poor

2006 Varieties of Grain Crops for Saskatchewan - Canada Western Red Spring Wheat

Variety	Yield as % of AC Barrie			Relative Maturity (days)	Protein	Lodging	Shattering	Resistance to:						
	Areas 1&2	Areas 3&4	Irr.					Sprouting	Stem Rust	Leaf Rust	Loose Smut	Bunt	Leaf Spot	FHB
AC Barrie	100	100	100	100	14.7	G	G	G	G	P	G	G	P	F
AC Elsa	104	104	97	-1	-0.1	G	G	F	G	G	G	G	F	P
AC Splendor	91	94	89	-4	+0.4	F	G	F	G	G	F	G	VP	P
CDC Teal	101	100	99	-2	-0.1	G	G	P	G	G	G	F	P	VP
McKenzie	106	102	109	-1	-0.5	F	G	G	G	VG	VP	VG	P	F
Superb	107	109	--	+3	-0.4	G	G	G	G	P	F	G	VP	P

VG=Very Good; G=Good; F=Fair; P=Poor; VP=Very Poor Irr.=Irrigation FHB=Fusarium Head Blight

2006 Alberta Seed Guide - Canada Western Red Spring Wheat

Variety	Yield as % of AC Barrie						Comparative		Test Wt. (lb/bu)	Kernel Wt. (g/1000)	Height (cm)	Resistance to:						
	Area 1	Area 2	Area 3	Area 4	Area 5&6	Irr	Maturity (Days)	Protein (%)				Ldg.	Shat.	Loose Smut	Bunt	Leaf Spot	Sprout	FHB
Katepwa	102	99	95	101	100	99	0	-0.5	61	35	92	F	G	R	R	P	F	F
AC Barrie	100	100	100	100	100	100	110	14.5	62	38	88	G	G	R	R	P	G	F
AC Elsa	101	109	100	104	107	90	0	-0.4	62	35	89	G	G	R	I	G	F	P
AC Splendor	94	94	93	99	95	94	-1	0.4	61	37	90	F	G	I	I	F	F	P
CDC Teal	100	99	91	104	101	100	-1	-0.2	62	36	89	G	G	I	I	P	P	VP
McKenzie	107	103	101	103	102	109	-1	-0.9	62	34	90	F	G	S	R	F	EX	F
Superb	114	110	106	114	111	116	3	-0.7	62	43	84	G	G	I	R	P	G	P

Ldg.=Lodging; Shat.=Shattering; Ex=Excellent; Irr=Irrigation
R=Resistant; I=Intermediate; S=Susceptible

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