

Varietal Characteristics*:

- **Growing Zone:** Best suited to the mid-long season wheat-growing zones.
- **Yield:** Very good potential, well adapted to areas where FHB and the rusts are of concern.
- **Maturity:** 0.5 days later than Superb.
- **Height:** Shorter stature, 4.5 cm shorter than the checks Unity VB and Superb.
- **Lodging:** Excellent lodging resistance.
- **Quality:** Excellent test weight and kernel weight relative to checks.
- **Disease Resistance:** R to stem rust, leaf rust and common bunt; I to leaf spot and loose smut; Improved resistance to FHB and reduced DON levels relative to resistant checks.



Seed Manitoba - 2012

Variety	Yield % AC Barrie	% Protein	Maturity (days)	Height (in)	Spike Awned	Resistance level	
						Lodging	FHB
Glenn	106	0.0	2	-2	Y	VG	I
Carberry	105	0.2	2	-5	Y	VG	MR
Harvest	108	-0.1	-1	-2	N	VG	S
Kane	107	0.0	1	-2	Y	G	I
AC Barrie	100	14.5	99	37	N	G	I

SK Varieties of Grain Crops - 2012

Variety	Yield % AC Barrie		% Protein	Lodging	Stripe Rust	FHB	Maturity (days)	Head Awedness	Height (cm)
	Area 1 & 2	Area 3 & 4							
Glenn	112	109	-0.3	VG	G	F	+3	Y	-4
Carberry	112	105	-0.1	VG	G	G	+3	Y	-12
Harvest	101	104	-0.4	VG	G	VP	-1	N	-6
Unity VB	118	120	-0.7	F	P	P	0	Y	1
AC Barrie	100	100	14.9	G	VP	F	100	N	93

seed.ab.ca – 2012

Variety	Yield Category [% AC Barrie]				Maturity Rating	Protein %	Height (cm)	Lodging	Stripe Rust	FHB
	Overall Yield	Low <45 bu/ac	Med 45-70 bu/ac	High >70 bu/ac						
Glenn	104	112+	100	104	L	0.4	85	VG	G	F
Harvest	102	98	103	104	M	0.1	83	VG	G	VP
Superb	112+	110+	111+	115+	L	-0.2	85	G	VP	P
AC Barrie	100	100	100	100	M	13.3	88	G	VP	F

Yield followed by + indicates significantly higher than check, - indicates significantly lower than check, without + or - is not significantly different than check.

Central Bread Wheat Co-op Trials (2008)

Variety	Zone 1* Yield [% Unity VB]	Zone 2** Yield [% Unity VB]	Zone 1 Maturity [days]	Zone 2 Maturity [days]	Height [cm]	Lodging [1-9]	Test Weight [kg/hi]	Kernel wt. [mg]	Protein [%]
Glenn	96	91	97.8	104.4	88	1.8	81.3	34.4	14.4
BW 388 ¹	103	93	96.3	103.5	93	2.6	77.5	33.0	13.9
Unity VB	100	100	95.4	103.1	94	2.6	78.6	34.9	14.3

* Zone 1 includes; Dauphin, Brandon, Glenlea, Morden, Portage and Souris.

** Zone 2 includes: Indian Head, Kamsack, Kernen, Melfort and Regina.

1. BW 388 replaced Unity VB as a check variety in the 2008 Central Bread Wheat Coop trials.

Central Bread Wheat Co-op Trials (2007)

Variety	Zone 1* Yield [% Superb]	Zone 2** Yield [% Superb]	Zone 1 Maturity [days]	Zone 2 Maturity [days]	Height [cm]	Lodging [1-9]	Test Weight [kg/hi]	Kernel wt. [mg]	Protein [%]
Glenn	152	107	89.1	99.1	94	2.0	81.7	30.6	14.6
Unity VB ¹	139	104	86.9	97.3	100	3.5	78.4	30.4	14.6
Superb	100	100	88.6	98.7	91	1.9	75.0	31.2	NA

* Zone 1 includes; Dauphin, Brandon, Glenlea, Morden, Portage and Souris.

** Zone 2 includes: Indian Head, Kernen, Melfort and Regina.

1. Unity VB replaced AC Barrie as check variety in the 2007 Central Bread Wheat Coop trials.

Central Bread Wheat Co-op Trials (2006)

Variety	Zone 1* Yield [% Superb]	Zone 2** Yield [% Superb]	Zone 1 Maturity [days]	Zone 2 Maturity [days]	Height [cm]	Lodging [1-9]	Test Weight [kg/hi]	Kernel wt. [mg]	Protein [%]
Glenn	98	93	82.2	96.8	92	1.7	82.2	31.9	13.8
AC Barrie	88	88	81.4	95.3	96	1.6	78.6	31.9	14.0
Superb	100	100	82.8	97.7	89	1.8	78.7	35.8	12.8

* Zone 1 includes; Dauphin, Brandon, Glenlea, Morden, Portage and Souris.

** Zone 2 includes: Indian Head, Kernen, Melfort and Regina.

Falling Number Data

Variety	Sound Grain	Artificially Weathered	FNO % Reduction	Artificially Weathered Sprouting Score
Glenn	373	254	31	4.3
Katepwa	428	163	62	7.2
McKenzie	415	249	40	4.7
CDC Teal	430	92	79	5.5
Unity	430	299	30	4.7
BW388	435	281	35	4.3
Check Mean	428	217	49	5.3

Source: Combined 2 year average (2007 -2008) from Central Bread Wheat Co-op Trials
Wheat pre-soaked and intentionally sprouted.

*Varietal characteristics based on Request for Support of BW406.

Origin: North Dakota State University

Pedigree: ND2831/Steele - ND