Technical Bulletin

Genes that fit *your* farm.

SeCan
Canada's Seed Partner

Pasteur

Canada Western General Purpose Spring Wheat

Description:
Pasteur is a high yielding General Purpose wheat with excellent grain yield potential and very good lodging resistance. In registration trials, Pasteur also showed fair resistance to fusarium head blight and reduced DON accumulation.

Parentage: Cadenza X (Palermo x KS91WGC11)

Strengths:

- 2.9% higher yield than AC Andrew and 23.2% higher yield than AC® Unity VB in Coop Registration trials
- Excellent lodging resistance, better than AC Andrew
- Resistant to prevalent races of leaf rust, stem rust and stripe rust
- Moderately resistant to fusarium head blight with reduced DON accumulation

Neutral Traits:

- Intermediate resistance to leaf spots

Weaknesses:

- 3 days later maturing than AC Andrew
- Susceptible to common bunt and loose smut

Breeder:
Wiersum Plant Breeding
Netherlands

2008-2010 General Purpose Wheat Cooperative Registration Trials

Variety	Mean* (kg/ha)	% Mean*	Maturity* (days)	Lodging 1 = erect 9 = flat	Height (cm)	Test Weight (kg/hl)	Kernel Weight (mg/kernel)
AC Andrew	5867	109	109	1.9	85	76.2	36.9
AC® Unity VB	4903	91	105	2.8	94	79.5	36.3
Pasteur	**6339**	**112**	**112**	**1.7**	**87**	**78.9**	**39.1**

*Mean is 2008-2009 data only as 2010 data was dropped due to a high CV
F=Fair; P=Poor; VP=Very Poor; ---=Insufficient data

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

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2013 Seed Manitoba - Wheat Comparison

Variety	Site Years Tested	Yield bu/ac	Protein (+/- AC Barrie)	Relative Maturity (days)	Height	Spike Awned	Resistance to:							
							Lodging	Sprouting	Loose Smut	Bunt	Leaf Spot	Stem Rust	Leaf Rust	FHB
AC Barrie	164	55	14.5	99	37"	N	G	G	MR	I	MS	MR	MS	I
Harvest	61	58	14.3	-1	-2	N	VG	VG	MR	S	MS	R	MR	S
AC® KANE	78	58	14.6	+1	-2	Y	G	VG	MS	I	I	R	R	I
AC® Unity VB*	53	62	14.2	0	0	Y	F	G	MS	R	I	MR	R	I
AC Andrew	30	68	11.0	4	-4	Y	VG	P	S	S	---	MR	MS	I
AC® Sadash	34	68	10.8	4	-2	Y	VG	P	I	S	---	MR	I	S
Pasteur	**24**	**67**	**12.9**	**7**	**-3**	**N**	**VG**	**F**	**MS**	**S**	**I**	**MR**	**R**	**I**

F=Fair; G=Good; VG=Very Good; R=Resistant; MR=Moderately Resistant; I=Intermediate; MS=Moderately Susceptible; S=Susceptible

2013 Varieties of Grain Crops for Saskatchewan – Wheat Comparison

Variety	Years Tested	Yield as % of AC Barrie			Protein	Resistance to:									Relative Maturity (days)	Head Awnedness	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	14.9	G	G	G	P	VP	G	F	P	F	100	N	36.0	79.9	93
Harvest	6	101	104	---	-0.4	VG	VG	VG	G	G	G	F	P	VP	-1	N	-0.4	+0.1	-6
AC® Unity VB*	9	117	119	---	-0.7	F	VG	G	VG	P	P	VG	F	F	0	Y	-0.6	+1.0	+1
AC Crystal	11	118	115	110	-1.3	VG	P	VG	P	VP	P	VG	F	VP	+3	Y	+4.9	-0.1	-11
AC Andrew	5	138	135	---	-3.6	G	P	G	P	F	VP	VP	F	F	+5	Y	+0.7	-1.8	-9
AC® Sadash	4	148	131	---	-4.3	VG	P	G	F	G	F	VP	F	VP	+5	Y	+0.7	+0.6	-6
Pasteur	**2**	**146**	**135**	**---**	**-2.7**	**VG**	**G**	**G**	**VG**	**G**	**P**	**VP**	**F**	**F**	**+8**	**N**	**+2.9**	**+0.9**	**-7**

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

2012 Alberta Seed Guide – CPS & GP Wheat Comparison

Variety	Overall Yield (1)		Test Yield Category (2)			Maturity Rating	Test Weight (lb/bu)	Kernel Weight g/1000	Height (cm)	Resistance to:		Disease Tolerance				
	All Sites	Station years of testing	Low < 45 bu/ac	Med 45 - 70 bu/ac	High >70 bu/ac					Lodging	Sprouting	Loose Smut	Bunt	Stripe Rust	Leaf Spot	FHB
			Yield as % of AC Andrew													
AC Crystal bu/ac	**69**		**36**	**67**	**103**											
AC Crystal	100	(278)	100	100	100	L	62	42	79	G	P	F	VG	VP	F	VP
AC Foremost	99	(124)	101	98-	100	M	62	43	73	VG	F	F	VG	VP	P	VP
Pasteur	**Insufficient Data**															

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

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