

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## CDC Glas

## Flax



### Adaptation:

- All flax growing areas of western Canada

### Pedigree:

- CDC Bethune/CDC Mons

### Strengths:

- 103% grain yield of CDC Bethune across all zones in the western coops
- 105% of CDC Bethune in the black soil zone
- Resistant to flax rust and moderately resistant to fusarium wilt
- 1.9% higher linolenic acid content than CDC Bethune

### Neutral Traits:

- slightly taller than CDC Bethune
- 0.5 days later maturing than CDC Bethune

### Weaknesses:

- Seed and meal protein less than the check Flanders in western coop trials

### Breeder:

Dr. Gordon Rowland  
Crop Development Centre  
University of Saskatchewan  
Saskatoon, SK

## 2009 to 2010 Western Cooperative Flax Registration Trials

Variety	Yield (% Flanders)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	1000 Seed Weight (cm)	Oil Content (%)	Iodine Number	Linolenic Acid Content (%)	Protein Content (%)
Flanders	100	110.2	2.8	54.6	5.8	47.0	196.4	59.4	39.1
CDC Bethune	111	110.5	2.5	58.8	6.3	47.2	192.6	56.5	39.5
<b>CDC Glas</b>	<b>114</b>	<b>111.2</b>	<b>2.2</b>	<b>60.3</b>	<b>5.7</b>	<b>47.4</b>	<b>196.0</b>	<b>58.4</b>	<b>37.9</b>

All Certified seed of CDC Glas originates from the re-constituted Breeder seed crop certificate: #110000041504 and can be traced to this lot from every generation of production. The Breeder seed was carefully screened, and tested at every stage of production to be free of Triffid.

In addition all seed lots of re-constituted CDC Glas are produced in accordance with the additional certification requirements outlined by the breeder. These additional steps include:

- 1) Extended cropping history (five years out of flax in 2012, three years out of flax in 2013).
- 2) Equipment use restrictions (in the year of production only equipment handling pedigreed flax could be used).

**Re-constituted**

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)

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## 2015 Seed Manitoba Flax Comparison

Variety	Site Years	Yield bu/acre	Maturity +/- 102 days	Height +/- 27 inches	Seed Size TKW	Oil Content (%)	Resistance to:		
							Lodging	Fusarium Wilt	Powdery Mildew
CDC Bethune	110	34	0	0	5.8	45.6	G	MR	MR
CDC Sanctuary	23	34	3	1	5.8	45.6	G	MR	MR
CDC Sorrel	50	34	1	1	6.4	45.1	F	MR	MR
AC <sup>®</sup> Prairie Blue	68	34	1	-1	5.2	46.3	VG	MR	MR
AC <sup>®</sup> Prairie Grande	40	33	-2	-4	5.8	45.6	G	MR	MR
<b>CDC Glas</b>	<b>12</b>	<b>35</b>	<b>1</b>	<b>1</b>	<b>5.2</b>	<b>45.8</b>	<b>G</b>	<b>MR</b>	<b>MR</b>

M=Medium; ME=Medium Early; ML=Medium Late; MR=Moderately Resistant; VG=Very Good; FG=Fair to Good; P=Poor

## 2015 Saskatchewan Varieties of Grain Flax Comparison

Variety	Yield as % of CDC Bethune				Maturity	Seed Size	Resistance to:		
	Years Tested	Area 1 & 2	Area 3 & 4	Irrigation			Lodging	Powdery Mildew	Fusarium Wilt
CDC Bethune	10	100	100	100	L	M	G	MR	MR
CDC Sanctuary	7	103	101	96	L	M	F	MR	MR
CDC Sorrel	8	100	101	92	L	L	G	MR	MR
Hanley	4	90	90	93	M	M	G	MR	R
AC <sup>®</sup> Prairie Blue	4	99	92	97	L	S	VG	MR	MR
AC <sup>®</sup> Prairie Grande	6	92	94	92	M	M	VG	MR	MR
<b>CDC Glas</b>	<b>5</b>	<b>103</b>	<b>110</b>	<b>93</b>	<b>L</b>	<b>M</b>	<b>G</b>	<b>MR</b>	<b>MR</b>

M=Medium; L=Late S=Small; M=Medium; L=Large G=Good; VG=Very Good; F=Fair; P=Poor

## 2015 Alberta Seed Guide Flax Comparison

Variety	Overall Yield	Years Tested	Yield Category (% CDC Bethune)				Agronomic Characteristics			
			Low <20 (bu/ac)	Medium 20-35 (bu/ac)	High 35-50 (bu/ac)	Very High >50 (bu/ac)	Maturity Rating	Seed Size	Height (cm)	Resistance to Lodging
<b>CDC Bethune (bu/ac)</b>	<b>36</b>		<b>15</b>	<b>29</b>	<b>45</b>	<b>59</b>				
CDC Bethune	100	123	100	100	100	100	L	M	58	VG
CDC Sanctuary	105+	28	XX	100	100	108+	VL	M	64	G
CDC Sorrel	104	32	112	104	100	99	L	L	61	G
Hanley	97-	37	99	97	95	97	M	M	53	VG
AC <sup>®</sup> Prairie Grande	98-	67	101	101	92-	99	M	M	54	VG
<b>CDC Glas</b>	<b>106+</b>	<b>23</b>	<b>XX</b>	<b>XX</b>	<b>106</b>	<b>XX</b>	<b>L</b>	<b>M</b>	<b>61</b>	<b>VG</b>

M=Medium; L=Late S=Small; M=Medium; L=Large G=Good; VG=Very Good; F=Fair; P=Poor