

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Sanctuary

Flax



Adaptation:

- All flax growing areas of western Canada

Pedigree:

- CDC Bethune/FP2006

Strengths:

- Grain yield equal to CDC Bethune in all zones in the western coops
- 105% of CDC Bethune in the brown soil zones
- Resistant to flax rust and moderately resistant to fusarium wilt
- 2.4% higher linolenic acid content than CDC Bethune

Neutral Traits:

- Slightly lower oil content than CDC Bethune

Weaknesses:

- slightly weaker straw than CDC Bethune
- two days later maturing than CDC Bethune

Breeder:

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

2006 to 2008 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	97.8	2.4	59.3	5.2	46.3	191.5	57.1	24.2
CDC Bethune	107	97.5	1.3	62.4	5.8	46.8	188.5	54.7	24.8
CDC Sanctuary	107	100.3	2.3	66	5.7	46.5	190.3	57.1	24.2

All Certified seed of CDC Sanctuary originates from the re-constituted Breeder seed crop certificate: #110000041503 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 Sanctuary 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

2021 Seed Manitoba Flax Comparison

Variety	Site Years	Yield bu/ac	Maturity +/- 102 days	Height +/- 68 cm	Seed Colour	Seed Size TKW	Oil Content (%)	Oil Quality		Resistance to:	
								Iodine Number	ALA Content	Lodging	Fusarium Wilt
AAC Bright	6	34	+2	0	Yellow	5.6	48.8	192.1	56.2	G	MR
AAC Prairie Sunshine	16	34	+3	+3	Brown	5.3	47.7	192.5	56.5	VG	MR
CDC Bethune	129	34	0	0	Brown	5.8	45.6	188.6	54.7	G	MR
CDC Buryu	18	34	+1	+3	Brown	5.9	45.3	189.9	54.6	G	MR
CDC Glas	27	36	+1	+3	Brown	5.2	45.8	192.0	56.6	G	MR
CDC Plava	21	34	-2	-3	Brown	5.7	46.5	195.5	57.2	G	MR
CDC Rowland	14	37	4	0	Brown	6.8	45.2	195.1	59.2	G	MR
CDC Sorrel	56	35	+1	+3	Brown	6.4	45.1	192.7	57.8	F	MR
CDC Sanctuary	27	35	+3	+2	Brown	5.8	45.6	190.7	57.2	G	MR

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

2021 Saskatchewan Varieties of Grain Flax Comparison

Variety	Yield as % of CDC Bethune					Maturity	Seed Size	Resistance to:		
	Years Tested	Area 1 & 2	Area 3 South	Area 4	Irrigation			Lodging	Powdery Mildew	Fusarium Wilt
CDC Bethune	13	100	100	100	100	L	M	G	MR	MR
AAC Bright	3	98	91	95	---	L	M	G	MR	MR
AAC Prairie Sunshine	6	103	93	97	93	L	M	G	MR	MR
CDC Buryu	5	97	105	100	88	L	M	G	MR	MR
CDC Glas	9	107	102	105	98	L	M	VG	MR	MR
CDC Plava	5	99	103	99	90	M	M	G	---	MR
CDC Rowland	4	108	109	108	102	L	L	G	MR	MR
CDC Sorrel	4	96	93	97	96	L	L	G	MR	MR
CDC Sanctuary	5	103	91	94	95	L	M	F	MR	MR

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

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