

Technical Bulletin

Genes that fit *your* farm.

SeCan

Canada's Seed Partner

CDC Sorrel Flax



Adaptation:

- All areas of western Canada

Pedigree:

- FP956/Vimy

Strengths:

- Grain yield equal to CDC Bethune in brown soil zones
- Higher grain yield than CDC Bethune in black soil zones
- Large seed size (similar to Vimy)
- Resistant to flax rust and moderately resistant to fusarium wilt
- Higher linolenic acid content than CDC Bethune

Neutral Traits:

- 6 cm taller than CDC Bethune

Weaknesses:

- Slightly weaker straw than CDC Bethune
- One to two days later than CDC Bethune

Breeder:

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

2002 to 2004 Western Cooperative Flax Registration Trials

Variety	Yield (% CDC Bethune)	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	1000 Seed Weight (cm)	Oil Content (%)	Iodine Number	Linolenic Acid Content (%)	Protein Content (%)
CDC Bethune	100	100.0	1.4	58	5.6	44.5	191	56.1	24.8
Flanders	95.0	100.7	1.8	57	5.2	44.5	194	58.2	24.2
CDC Sorrel	99.5	102.0	2.6	64	6.3	44.2	195	59.8	23.8

All Certified seed of CDC Sorrel originates from the re-constituted Breeder seed crop certificate: #110000041502 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 Sorrel 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 Sanctuary	27	35	+3	+2	Brown	5.8	45.6	190.7	57.2	G	MR
CDC Sorrel	56	35	+1	+3	Brown	6.4	45.1	192.7	57.8	F	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 Sanctuary	5	103	91	94	95	L	M	F	MR	MR
CDC Sorrel	4	96	93	97	96	L	L	G	MR	MR

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

2021 Alberta Seed Guide Flax Comparison

Variety	Overall Yield	Years Tested	Yield Category (% CDC Bethune)				Maturity Rating Days +/- CDC Bethune	Agronomic Characteristics			
			Low <20 (bu/ac)	Medium 20-30 (bu/ac)	High 30-37 (bu/ac)	Very High >37 (bu/ac)		Seed Colour	Seed Size	Height (cm)	Resistance to Lodging
CDC Bethune (bu/ac)	33		14	26	33	49					
CDC Bethune	100	140	100	100	100	100	107	Brown	M	59	G
AAC Bright	95	21	XX	XX	98	93	+2	Yellow	S	65	VG
AAC Prairie Sunshine	99	21	XX	XX	100	96	+2	Brown	M	63	VG
CDC Buryu	100	26	97	104	99	97	+1	Brown	L	57	G
CDC Glas	107	44	109	113	107	105	+1	Brown	M	64	G
CDC Plava	101	34	98	109	101	93	-2	Brown	M	53	G
CDC Rowland	113	24	XX	XX	XX	109	+3	Brown	L	62	G
CDC Sorrel	104	32	112	104	100	99	+1	Brown	L	61	F

Seed Size: S=Small, M=Medium, L=Large; Lodging Resistance: P=Poor, F=Fair, G=Good, VG=Very Good

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