

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
CDC Glas	114	111.2	2.2	60.3	5.7	47.4	196.0	58.4	37.9

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

2019 Seed Manitoba Flax Comparison

Variety	Site Years	Yield bu/ac	Maturity +/- 102 days	Height +/- 27 inches	Seed Size TKW	Oil Content (%)	Oil Quality		Resistance to:	
							Iodine Number	ALA Content	Lodging	Fusarium Wilt
AAC Bright*	2	33	1	0	5.6	48.8	192.1	56.2	G	MR
AAC Prairie Sunshine	9	34	3	1	5.3	47.7	192.5	56.5	VG	MR
CDC Bethune	125	34	0	0	5.8	45.6	188.6	54.7	G	MR
CDC Buryu	14	33	1	1	5.9	45.3	189.9	54.6	G	MR
CDC Plava	17	34	-2	-1	5.7	46.5	195.5	57.2	G	MR
CDC Sanctuary	27	35	3	1	5.8	45.6	190.7	57.2	G	MR
CDC Sorrel	56	34	1	1	6.4	45.1	192.7	57.8	F	MR
AC® Prairie Grande	40	33	-2	-4	5.8	45.6	192.9	57.5	G	MR
CDC Glas	24	35	1	1	5.2	45.8	192.0	56.6	G	MR

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

* AAC Bright is yellow seeded

2019 Saskatchewan Varieties of Grain Flax Comparison

Variety	Yield as % of CDC Bethune					Maturity	Seed Size	Resistance to:		
	Years Tested	Area 2	Area 3 South	Area 4	Irrigation			Lodging	Powdery Mildew	Fusarium Wilt
CDC Bethune	11	100	100	100	100	L	M	G	MR	MR
CDC Buryu	4	102	103	102	79	L	M	G	---	MR
CDC Plava	5	94	104	97	85	M	M	G	---	MR
CDC Sanctuary	5	104	97	90	89	L	M	F	MR	MR
CDC Sorrel	4	99	102	92	92	L	L	G	MR	MR
AC® Prairie Grande	3	93	88	91	91	M	M	VG	MR	MR
CDC Glas	7	108	105	106	97	L	M	VG	MR	MR

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

2019 Alberta Seed Guide Flax Comparison

Variety	Overall Yield	Years Tested	Yield Category (% CDC Bethune)				Agronomic Characteristics			
			Low <20 (bu/ac)	Medium 20-30 (bu/ac)	High 30-37 (bu/ac)	Very High >37 (bu/ac)	Maturity Rating	Seed Size	Height (cm)	Resistance to Lodging
CDC Bethune (bu/ac)	32		14	26	33	47				
CDC Bethune	100	128	100	100	100	100	L	M	58	G
AAC Prairie Sunshine	99	16	XX	XX	100	97	L	M	65	VG
CDC Buryu	100	26	97	104	99	97	L	L	57	G
CDC Plava	101	34	98	109	101	93	M	M	53	G
CDC Sanctuary	106	27	112	99	XX	104	VL	M	64	G
CDC Sorrel	104	32	112	104	100	99	L	L	61	F
CDC Glas	107	32	XX	XX	105	107	L	M	64	G

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

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