

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

PBR Protected

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

2026 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	25	35	+2	0	Yellow	5.6	48.8	192.1	56.2	G	MR
CDC Bethune	84	35	0	0	Brown	5.8	45.6	188.6	54.7	G	MR
CDC Esme	21	37	+2	-2	Brown	6.3	44.5	192.0	57.1	G	MR
CDC Kernen	29	37	+1	0	Brown	6.5	45.4	191.6	57.3	VG	MR
CDC Plava	21	35	-2	-3	Brown	5.7	46.5	195.5	57.2	G	MR
CDC Rowland	28	39	+4	0	Brown	6.8	45.2	195.1	59.2	G	MR
CDC Glas	53	36	+1	+3	Brown	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

2026 Saskatchewan Varieties of Grain Flax Comparison

Variety	Years Tested	Yield as % of CDC Glas				Relative Maturity +/- 101 days	Seed Size	Resistance to:		
		Area 1 & 2	Area 3 South	Area 3 North & 4	Irrigation			Lodging	Powdery Mildew	Fusarium Wilt
CDC Glas	14	100	100	100	100	0	M	VG	MR	MR
AAC Bright (yellow seed)	8	93	95	94	97	+1	M	G	MR	MR
CDC Bethune	15	96	93	100	103	-1	M	G	MR	MR
CDC Esme	7	103	103	99	105	+3	L	G	---	MR
CDC Kernen	8	100	106	102	103	+1	L	G	MR	MR
CDC Sorrel	4	90	87	95	99	0	L	G	MR	MR
CDC Rowland	7	102	106	103	103	+3	L	G	MR	MR

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

R=Resistant; MR=Moderately resistant, I=Intermediate; MS=Moderately susceptible; S=Susceptible

2026 Alberta Seed Guide Flax Comparison

Variety	Most Recent Year of Testing	Overall Station Years of Testing	Overall Yield	Yield Category (% CDC Glas)		Agronomic Characteristics					Disease Tolerance	Quality		
				Low <37 (bu/ac)	High >37 (bu/ac)	Maturity Rating (Days +/- CDC Glas)	Seed Colour	Seed Size	Height (cm)	Resistance to Lodging	Powdery Mildew	Oil Content (%)	ALA Content (%)	Iodine Value
CDC Glas (bu/ac)			44	26	57									
CDC Glas	2025	77	100	100	100	108	Brown	M	62	G	MR	46	57	192
CDC Bethune	2022	47	96	95	96	-1	Brown	M	61	G	MR	46	55	189
CDC Esme	2025	34	105	107	103	+4	Brown	L	61	G	NT	46	59	195
CDC Kernen	2025	43	101	105	99	+2	Brown	M	64	G	MR	45	57	191
CDC Plava	2016	26	96	101	87	-3	Brown	M	51	G	NT	47	57	196
CDC Sorrel	2008	14	104	110	99	0	Brown	L	61	F	MR	45	58	193
CDC Rowland	2023	24	104	104	104	+4	Brown	L	61	G	MR	45	59	195

S=Small, M=Medium, L=Large; VG=Very Good; G=Good; F=Fair; P=Poor; VP=Very; R=Resistant; MR=Moderately resistant, I=Intermediate; MS=Moderately susceptible; S=Susceptible; NT = Not tested