

Technical Bulletin

Genes that fit *your* farm.



CDC Buryu Flax



Description:

CDC Buryu is a very high yielding brown seeded flax variety with good lodging resistance, medium seed size and slightly later maturity than CDC Bethune.

Adaptation:

- All flax growing areas of western Canada, especially the Brown soil zone where CDC Buryu performed very well in registration trials.

Pedigree:

- CDC Bethune/FP2142

Strengths:

- 106% grain yield of CDC Bethune across all zones in the registration trials
- Resistant to flax rust and moderately resistant to fusarium wilt
- Oil content similar to the checks
- Seed size similar to CDC Bethune

Neutral Traits:

- Iodine value similar to CDC Bethune
- Meal protein similar to the checks
- Lodging resistance similar to the checks
- 2cm taller than CDC Bethune

Weaknesses:

- 1 day later maturing than CDC Bethune

Breeder:

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Crop Development Centre
University of Saskatchewan
Saskatoon, SK

PBR 91 Protected

2010, 2011 and 2014 Western Cooperative Flax Registration Trials

Variety	Yield as % CDC Bethune	Maturity (days)	Lodging 1 = erect 9 = flat	Height (cm)	1000 Seed Weight (g)	Oil Content (%)	Iodine Number	Linolenic Acid Content (%)	Seed Protein Content (%)	Meal Protein Content (%)
CDC Bethune	100	105.7	1.7	60.3	5.9	46.4	191.3	56.1	21.7	40.5
Flanders	92	106.1	1.7	56.4	5.3	46.3	195.0	58.9	21.8	40.1
CDC Buryu	106	107.0	1.8	62.4	6.0	46.1	192.6	56.0	22.1	41.0

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 Glas	24	35	1	1	5.2	45.8	192.0	56.6	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 Buryu	14	33	1	1	5.9	45.3	189.9	54.6	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 Glas	7	108	105	106	97	L	M	VG	MR	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 Buryu	4	102	103	102	79	L	M	G	---	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 Glas	107	32	XX	XX	105	107	L	M	64	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 Buryu	100	26	97	104	99	97	L	L	57	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