

# Technical Bulletin

Genes that fit *your* farm.



## CDC Plava Flax



Progress Through Research  
Le progrès grâce à la recherche

### Description:

CDC Plava is an early maturing, brown seeded flax variety with high grain yield and improved adaptation to northern areas.

### Adaptation:

- All flax growing areas of western Canada

### Pedigree:

- FP2114/FP2142

### Strengths:

- 106% grain yield of CDC Bethune across all zones in the registration trials
- 2 days earlier maturing than CDC Bethune across all zones in the registration trials
- Resistant to flax rust and moderately resistant to fusarium wilt
- 1cm shorter than CDC Bethune
- Seed size similar to CDC Bethune

### Neutral Traits:

- Moderately resistant to fusarium wilt
- Meal protein similar to the checks 41.7%

### Weaknesses:

- Weaker straw strength compared to CDC Bethune

### Breeder:

Dr. Helen Booker  
Crop Development Centre  
University of Saskatchewan  
Saskatoon, SK

**PBR 91 Protected**

### 2012 to 2013 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 (%)
CDC Bethune	100	107.1	1.5	62.5	6.2	46.1	188.9	55.3	22.8
Flanders	95	107.5	1.9	60.2	5.7	46.4	193.3	58.4	22.4
Hanley	93	105.1	1.6	60.0	6.0	44.7	197.1	58.9	23.1
AC® Prairie Grande	94	105.4	1.9	62.5	6.1	44.2	190.2	57.3	23.1
AC® Prairie Thunder	96	105.2	1.4	59.8	6.5	45.3	195.3	58.7	22.7
<b>CDC Plava</b>	<b>106</b>	<b>105.2</b>	<b>2.0</b>	<b>59.2</b>	<b>6.1</b>	<b>47.0</b>	<b>195.8</b>	<b>57.8</b>	<b>22.1</b>

## 2024 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	15	36	+2	0	Yellow	5.6	48.8	192.1	56.2	G	MR
CDC Bethune	84	34	0	0	Brown	5.8	45.6	188.6	54.7	G	MR
CDC Esme	10	37	+2	-2	Brown	6.3	44.5	192.0	57.1	G	MR
CDC Glas	42	36	+1	+3	Brown	5.2	45.8	192.0	56.6	G	MR
CDC Kernen	18	37	+1	0	Brown	6.5	45.4	191.6	57.3	VG	MR
CDC Rowland	28	38	+4	0	Brown	6.8	45.2	195.1	59.2	G	MR
CDC Sorrel	56	34	+1	+3	Brown	6.4	45.1	192.7	57.8	F	MR
<b>CDC Plava</b>	<b>21</b>	<b>35</b>	<b>-2</b>	<b>-3</b>	<b>Brown</b>	<b>5.7</b>	<b>46.5</b>	<b>195.5</b>	<b>57.2</b>	<b>G</b>	<b>MR</b>

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

## 2024 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
<b>CDC Glas</b>	<b>11</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>M</b>	<b>VG</b>	<b>MR</b>	<b>MR</b>
AAC Bright (yellow seed)	6	93	95	95	96	+1	M	G	MR	MR
CDC Bethune	15	95	95	99	103	-1	M	G	MR	MR
CDC Esme	5	102	103	99	---	+3	L	G	---	MR
CDC Kernen	6	100	103	102	102	+1	L	G	MR	MR
CDC Rowland	7	101	107	102	103	+3	L	G	MR	MR
CDC Sorrel	4	91	87	94	99	0	L	G	MR	MR
<b>CDC Plava</b>	<b>5</b>	<b>93</b>	<b>97</b>	<b>96</b>	<b>94</b>	<b>-3</b>	<b>M</b>	<b>G</b>	<b>---</b>	<b>MR</b>

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

## 2024 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	Fusarium Wilt	Powdery Mildew	Oil Content (%)	ALA Content (%)	Iodine Value	
<b>CDC Glas (bu/ac)</b>			<b>4136</b>	<b>25</b>	<b>53</b>											
<b>CDC Glas</b>	<b>2023</b>	<b>68</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>108</b>	<b>Brown</b>	<b>M</b>	<b>62</b>	<b>G</b>	<b>MR</b>	<b>MR</b>	<b>46</b>	<b>57</b>	<b>192</b>	
CDC Bethune	2022	47	96	95	96	-1	Brown	M	61	G	MR	MR	46	55	189	
CDC Esme	2023	25	105	109	101	+4	Brown	L	61	G	MR	NT	46	59	195	
CDC Kernen	2023	34	102	107	99	0	Brown	M	64	G	MR	MR	45	57	191	
CDC Rowland	2023	24	104	104	104	+4	Brown	L	61	G	MR	MR	45	59	195	
CDC Sorrel	2008	14	104	110	99	0	Brown	L	61	F	MR	MR	45	58	193	
<b>CDC Plava</b>	<b>2016</b>	<b>26</b>	<b>96</b>	<b>101</b>	<b>87</b>	<b>-3</b>	<b>Brown</b>	<b>M</b>	<b>51</b>	<b>G</b>	<b>MR</b>	<b>NT</b>	<b>47</b>	<b>57</b>	<b>196</b>	

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

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)