

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## AAC Bright Yellow Flax



Progress Through Research  
Le progrès grâce à la recherche

### Description:

AAC Bright is a high yielding yellow seeded flax variety with very good lodging resistance, small seed size and later maturity.

### Adaptation:

- All flax growing areas of western Canada, especially the longer growing season areas.

### Pedigree:

- M6155/CDC Bethune

### Strengths:

- 112% grain yield of AC Nugget and 94% of CDC Bethune across all zones in the western flax registration trials
- Very good lodging resistance
- Resistant to flax rust and moderately resistant to fusarium wilt
- Higher oil content compared to the checks

### Neutral Traits:

- Higher iodine number compared to CDC Bethune but slightly lower compared to AC Nugget
- Meal protein slightly lower than AC Nugget
- Slightly larger seed than AC Nugget

### Weaknesses:

- 2 day later maturing than CDC Bethune
- AAC Bright, like most other yellow flax varieties, expresses a low percentage of brown seed that may need to be managed at processing

### Breeder:

Dr. Scott D. Duguid  
Agriculture and Agri-Food Canada  
Morden, MB

### PBR 91 Applied For



### 2013 & 2014 Western Cooperative Flax Registration Trials

Variety	Yield as % AC Nugget	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 (%)
AC Nugget	100	107.5	2.1	56.4	5.4	45.9	193.0	57.6	22.7	42.0
CDC Bethune	119	103.0	2.3	57.7	5.9	44.4	187.5	53.6	22.4	40.2
Linola 2047	99	105.6	2.8	57.7	5.6	44.3	184.7	51.8	23.3	41.7
<b>AAC Bright</b>	<b>112</b>	<b>106.5</b>	<b>1.8</b>	<b>58.4</b>	<b>5.7</b>	<b>47.6</b>	<b>191.0</b>	<b>55.1</b>	<b>21.3</b>	<b>40.6</b>

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

## 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 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 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
<b>AAC Bright*</b>	<b>2</b>	<b>33</b>	<b>1</b>	<b>0</b>	<b>5.6</b>	<b>48.8</b>	<b>192.1</b>	<b>56.2</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

\* 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 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
<b>AAC Bright</b>										

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
<b>CDC Bethune (bu/ac)</b>	<b>32</b>		<b>14</b>	<b>26</b>	<b>33</b>	<b>47</b>				
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 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
<b>AAC Bright</b>										

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](http://www.secan.com)