

AAC BRIGHT

YELLOW FLAX



Canada's Seed Partner



Characteristics

Yield High

Straw Strength Strong

Maturity Long

Height Tall

AAC BRIGHT

AAC Bright is a high yielding yellow seeded flax with a very good resistance to lodging. AAC Bright has a smaller seed size with later maturity that is adapted to all the flax growing regions.

Parentage: M6155/CDC Bethune

"This variety is exclusively licensed to NDCISA, any unauthorized propagation is prohibited."

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

* Weakness: 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

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



Breeder

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2010-2014 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 (%)
Flanders	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
AAC Bright	112	106.5	1.8	58.4	5.7	47.6	191.0	55.1	21.3	40.6

2020 Seed Manitoba Flax Comparison

VARIETY	SITE YEARS TESTED	YIELD BU/AC	RELATIVE MATURITY +/- 102 DAYS	HEIGHT +/- 27 IN	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	58.5	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	58.6	G	MR
CDC Plava	17	34	-2	-1	5.7	46.5	195.5	57.5	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
AAC Bright	2	33	1	0	5.6	48.8	192.1	56.2	G	MR

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

2019 Saskatchewan Varieties of Grain Flax Comparison

VARIETY	YEARS TESTED	YIELD AS % OF CDC BETHUNE					MATURITY	SEED SIZE	RESISTANCE TO:		
		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	
AAC Bright										INSUFFICIENT DATA	

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

2020 Alberta Seed Guide Flax Comparison

VARIETY	OVERALL YIELD	YEARS TESTED	YIELD CATEGORY (% CDC BETHUNE)				AGRONOMIC CHARACTERISTICS			
			LOW <20 BU/AC	MED. 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 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
AAC Bright										INSUFFICIENT DATA

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