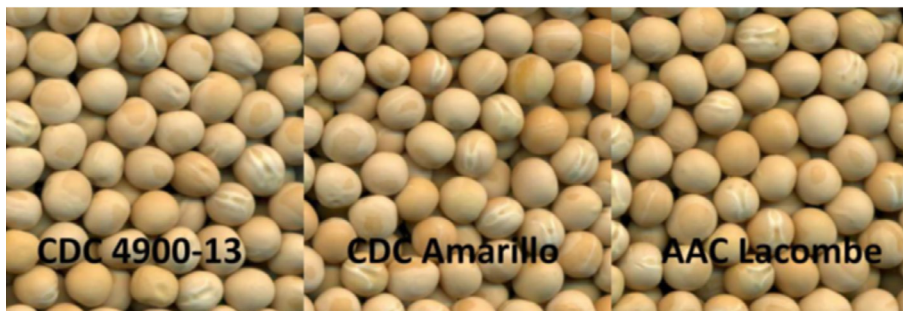


CDC HICKIE

Yellow Pea



**YEAR RELEASE TO
SELECT SEED GROWERS**
2021

SUB-LICENSED OUTSIDE OF SK
Pending

**INTERNATIONAL DISTRIBUTION
RIGHTS**
No

BREEDER
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PLANT BREEDERS RIGHTS
Applied

Description

CDC Hickie is a mid-maturing, very high-yielding yellow pea. In four years of testing in the Co-op and regional trials in Saskatchewan, it yielded 108% in the south and 105% in the north vs. the check variety CDC Amarillo. It has very good standability; similar to CDC Amarillo and CDC Spectrum and medium-long vine length. It is rated moderately resistant to Fusarium Root Rot, similar to CDC Amarillo and better than CDC Spectrum, CDC Lewochko or CDC Inca. It has good seed characteristics and is rated good for resistance to seed coat breakage, dimpling and greenness (Table 1). Protein good, similar to CDC Lewochko and higher than CDC Amarillo. Application for PBR'91 protection for CDC Hickie has been submitted.

Strengths

- High yield in both north & south geographies
- Moderately resistant to Fusarium wilt - better than CDC Inca, CDC Spectrum or CDC Lewochko
- Good seed characteristic package - rated good for:
 - Resistance to seed coat breakage;
 - Resistance to dimpling;
 - Greenness (less green coloration) - better than CDC Inca or CDC Spectrum

Neutral

- Medium seed size (similar to CDC Amarillo)
- Medium maturity (1 day later than CDC Amarillo, 2 days later than AAC Lacombe)
- Medium long vine length
- Powdery mildew resistance

Table 1: Agronomic Performance Data for Yellow Peas from Co-op and Regional trials in Saskatchewan

VARIETY	YEAR REGISTERED	YEARS TESTED	YIELD % AMARILLO		MATURITY	LODGING (1-9)**	VINE LENGTH (CM)	RESISTANCE TO:						SEED WEIGHT (G/1000)	PROTEIN VS. CDC AMARILLO
			1, 2, & SOUTH 3*	NORTH 3 & 4*				MYCOSPHAERELLA BLIGHT***	POWDERLY MILDEW	FUSARIUM WILT	SEED COAT BREAKAGE	SEED COAT DIMPLING****	GREENNESS*****		
CDC AMARILLO (CHECK)	2012	12	100	100	MEDIUM	3.5	85	4.5	R	MR	FAIR	FAIR	GOOD	230	23.0
ABARTH	2012	7	93	90	EARLY	3.5	75	5.0	R	I	FAIR	GOOD	GOOD	280	-0.1
AAC ABERDEEN	2019	3	107	103	MEDIUM	3.5	85	4.5	R	I	FAIR	FAIR	GOOD	250	-1.1
AAC ARDILL	2013	10	102	99	MEDIUM	3.5	85	4.5	R	MR	GOOD	GOOD	GOOD	230	-1.5
AAC ASHER	2017	3	103	100	MEDIUM	4.5	75	4.5	R	I	-	FAIR	GOOD	260	-0.5
CDC ATHABASCA	2016	7	93	97	MEDIUM	3.0	85	4.5	R	I	FAIR	FAIR	GOOD	300	+0.5
CDC CANARY	2017	6	98	98	EARLY	3.5	85	4.5	R	I	GOOD	FAIR	FAIR	230	+0.1
AAC CARVER	2014	5	102	100	EARLY	4.0	85	5.0	R	I	GOOD	FAIR	GOOD	240	-1.3
AAC CHROME	2017	4	105	101	MEDIUM	4.5	75	4.5	R	I	GOOD	GOOD	GOOD	240	-1.0
CDC INCA	2015	7	104	99	MEDIUM	4.0	85	4.5	R	I	GOOD	GOOD	FAIR	230	-0.6
AAC LACOMBE	2013	6	96	100	MEDIUM	3.5	85	5.0	R	I	FAIR	FAIR	FAIR	250	-0.7
CDC LEWOCHKO	2018	7	102	103	MEDIUM	3.5	90	4.5	R	I	GOOD	GOOD	GOOD	230	+0.9
CDC MEADOW	2006	10	93	90	EARLY	4.0	85	5.0	R	I	GOOD	GOOD	GOOD	220	-0.5
AAC PROFIT	2018	3	100	108	MEDIUM	4.5	90	4.5	R	I	GOOD	GOOD	GOOD	230	+0.8
CDC SAFFRON	2011	10	98	92	EARLY	4.0	80	4.5	R	I	GOOD	FAIR	GOOD	250	-0.3
CDC SPECTRUM	2016	7	104	101	MEDIUM	3.5	85	4.5	R	I	GOOD	GOOD	FAIR	240	+0.7
CDC HICKIE	2021	4	108	105	MEDIUM	3.5	85	4.5	R	MR	GOOD	GOOD	GOOD	230	+0.6

Source: Varieties of Grain Crops 2021 (SaskSeed Guide) and Crop Development Centre, U of S

*Area 1: Brown soil zone; Area 2: Dark brown; Area 3: Black; Area 4: Dark grey

**Lodging score: 1 = Upright; 9 = Completely lodged

***Mycosphaerella blight score: 1 = No disease, 9 = Completely blighted

****Seed coat dimpling: Very Good = 0-5%; Good = 6-20%; Fair = 21-50%

*****Greenness: Good = 0-15%; Fair = 16-40%