



CDC Hickie Variety Description

May, 2023

Market Class: Yellow Pea

Year Released to Select Seed Growers: 2021

Sub-licensed Outside of SK: Pending

International Distribution Rights: No

Breeder: Tom Warkentin, Crop Development Centre, University of Saskatchewan, Saskatoon, SK

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:					
			1, 2, & SOUTH 3*	NORTH3 & 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
ABARTH	2012	7	93	90	EARLY	3.5	75	5.0	R	I	FAIR	GOOD	GOOD
AAC ABERDEEN	2019	3	107	103	MEDIUM	3.5	85	4.5	R	I	FAIR	FAIR	GOOD
AAC ARDILL	2013	10	102	99	MEDIUM	3.5	85	4.5	R	MR	GOOD	GOOD	GOOD
AAC ASHER	2017	3	103	100	MEDIUM	4.5	75	4.5	R	I	–	FAIR	GOOD
CDC	2016	7	93	97	MEDIUM	3.0	85	4.5	R	I	FAIR	FAIR	GOOD

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CDC CANARY	2017	6	98	98	EARLY	3.5	85	4.5	R	I	GOOD	FAIR	F
AAC CARVER	2014	5	102	100	EARLY	4.0	85	5.0	R	I	GOOD	FAIR	G
AAC CHROME	2017	4	105	101	MEDIUM	4.5	75	4.5	R	I	GOOD	GOOD	G
CDC INCA	2015	7	104	99	MEDIUM	4.0	85	4.5	R	I	GOOD	GOOD	F
AAC LACOMBE	2013	6	96	100	MEDIUM	3.5	85	5.0	R	I	FAIR	FAIR	F
CDC LEWOCHKO	2018	7	102	103	MEDIUM	3.5	90	4.5	R	I	GOOD	GOOD	G
CDC MEADOW	2006	10	93	90	EARLY	4.0	85	5.0	R	I	GOOD	GOOD	G
AAC PROFIT	2018	3	100	108	MEDIUM	4.5	90	4.5	R	I	GOOD	GOOD	G
CDC SAFFRON	2011	10	98	92	EARLY	4.0	80	4.5	R	I	GOOD	FAIR	G
CDC SPECTRUM	2016	7	104	101	MEDIUM	3.5	85	4.5	R	I	GOOD	GOOD	F
CDC HICKIE	2021	4	108	105	MEDIUM	3.5	85	4.5	R	MR	GOOD	GOOD	G

Source: Varieties of Grain Crops ([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%



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