

CDC PASQUA

Kabuli Chickpea



YEAR RELEASED TO SELECT SEED GROWERS

2021

SUB-LICENSED OUTSIDE OF SK

Pending

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Not Assigned

BREEDER

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PLANT BREEDERS RIGHTS

Applied

Description

Kabuli chickpea variety CDC Pasqua is a large seeded kabuli chickpea with tolerance to imazamox herbicide (Solo ADV as per PMRA label registration). In 2 years of head-to-head testing in the regional chickpea trials (2019 - 2020), compared to the check "Amit", CDC Pasqua yielded 91% in the brown soil zone and 84% in the dark brown soil zone (Table 1). The main advantage of this variety is it has the largest seed size available; capable of producing 10mm seed. Application for PBR'91 protection for CDC Pasqua has been submitted.

Strengths

- Herbicide tolerance (imazamox)
- Very large seed

Neutral

- Similar maturity compared to CDC Leader
- Similar disease resistance characteristics as CDC Orkney or CDC Lancer; better than CDC Leader or CDC Palmer

Weaknesses

- Lower yield than CDC Lancer or CDC Orkney

Table 1: Agronomic Performance for Kabuli Chickpea CDC Pasqua vs. Other Kabuli Chickpea Varieties
(yield data represents 2 years of head-to-head data from the 2019-2020 Chickpea Regional Trial in Western Canada)

VARIETY	YEAR OF RELEASE	PBR STATUS	TYPE	YIELD % AMIT		ASCOCHYTA BLIGHT RATING**	DAYS TO MATURITY	DAYS TO FLOWER	HEIGHT (CM)	RVT SEED WEIGHT (G/1000)	2020 BREEDER SEED (G/1000)	HERBICIDE TOLERANCE: SOLO® ADV (IMAZAMOX)
				AREA 1*	AREA 2*							
AMIT (B-90) CHECK	non VRP	PBR '78	KABULI	100	100	4.4	108	55	49	246	N/A	NO
CDC FRONTIER (95NN29)	2003	-	KABULI	107	111	4.6	111	55	45	332	-	NO
CDC ORION (491-5)	2010	-	KABULI	76	72	6.7	111	51	45	395	-	NO
CDC LEADER (493-24)	2011	-	KABULI	102	92	5.3	109	57	39	370	-	NO
CDC PALMER (1041-3)	2014	PBR '91	KABULI	107	93	5.5	108	52	42	399	-	NO
CDC LANCER (3662)	2019	APPLIED	KABULI	107	106	5.0	106	53	45	346	367	YES
CDC ORKNEY (1748-1)	2020	APPLIED	KABULI	108	106	5.1	108	53	48	359	361	YES
CDC PEARL NEW	2021	APPLIED	KABULI	104	104	4.7	107	52	48	287	328	YES
CDC PASQUA NEW	2021	APPLIED	KABULI	91	84	5.1	109	53	49	406	423	YES

Source of Yield Data: : 2019 - 2020 Chickpea Regional Trials in Western Canada

Source of Agronomic & Disease Ratings: Varieties of Grain Crops 2021 (SaskSeed Guide)

*Area 1: Brown soil zone; Area 2: Dark brown

**Ascochyta Blight rating: where 0 = no disease; 9 = completely blighted