

CDC KALA

Black Desi Chickpea



**YEAR RELEASED TO
SELECT SEED GROWERS**
2021

SUB-LICENSED OUTSIDE OF SK
Pending

**INTERNATIONAL DISTRIBUTION
RIGHTS**
Not assigned

BREEDER
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PLANT BREEDERS RIGHTS
Applied

Description

Black desi chickpea variety CDC Kala represents an opportunity to pursue a niche market for this type of chickpea. CDC Kala has tolerance to imazamox herbicide (Solo ADV as per PMRA label registration). In 3 years of head-to-head testing in the regional chickpea trials (2018 - 2020), compared to the check "Amit", CDC Kala yielded 92% in the brown soil zone and 97% in the dark brown soil zone (Table 1). CDC Kala is early maturing: 3 days earlier than CDC Consul and 4 days earlier than CDC Cory. Application for PBR'91 protection for CDC Kala has been submitted.

Strengths

- Herbicide tolerance (imazamox)
- Earliest maturing chickpea variety
- Good resistance to Ascochyta blight (similar to CDC Consul; better than CDC Cory)

Weaknesses

- Lower yield than CDC Cory or CDC Consul
- Smaller seed than other desi chickpeas
- Shorter than other desi chickpeas

Table 1: Agronomic Performance for Desi Chickpea CDC Kala vs. Other Desi Chickpea Varieties and the Kabuli Check CDC Amit (yield data represents 3 years of head-to-head data from the 2018-2020 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 CORY (CP55)	2010	-	DESI	104	104	4.7	109	55	47	262	-	YES
CDC CONSUL (603-3)	2013	-	DESI	105	106	4.5	108	57	47	271	-	NO
CDC SUNSET NEW	2021	APPLIED	DESI	102	96	4.9	107	56	49	286	296	YES
CDC KALA NEW	2021	APPLIED	BLACK DESI	92	97	4.5	105	52	44	239	242	YES

Source of Yield Data: : 2018 - 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