

CDC 2510-2

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

Desi chickpea variety CDC 2510-2 is a good yielding desi chickpea with 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 2510-2 yielded 102% in the brown soil zone and 96% in the dark brown soil zone (Table 1). CDC 2510-2 matures 2 days earlier than CDC Cory and one day earlier than CDC Consul. It has a larger seed than CDC Consul or CDC Cory. Application for PBR'91 protection for CDC 2510-2 has been submitted.

Strengths

- Herbicide tolerance (imazamox)
- Earlier maturity and taller than CDC Cory or CDC Consul
- Larger seed than CDC Cory or CDC Consul

Weaknesses

- Lower yield than CDC Consul or CDC Cory
- Lower tolerance to Ascochyta blight vs. CDC Cory or CDC Consul

Table 1: Agronomic Performance for Desi Chickpea CDC 2510-2 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 2570-2 NEW	2021	APPLIED	BLACK DESI	92	97	4.5	105	52	44	239	242	YES
CDC 2510-2 NEW	2021	APPLIED	DESI	102	96	4.9	107	56	49	286	296	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