

# CDC 2570-2

## 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 2570-2 represents an opportunity to pursue a niche market for this type of chickpea. CDC 2570-2 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 2570-2 yielded 92% in the brown soil zone and 97% in the dark brown soil zone (Table 1). CDC 2570-2 is early maturing: 3 days earlier than CDC Consul and 4 days earlier than CDC Cory. Application for PBR'91 protection for CDC 2570-2 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 2570-2 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 2510-2 <b>NEW</b>	<b>2021</b>	<b>APPLIED</b>	<b>DESI</b>	<b>102</b>	<b>96</b>	<b>4.9</b>	<b>107</b>	<b>56</b>	<b>49</b>	<b>286</b>	<b>296</b>	<b>YES</b>
CDC 2570-2 <b>NEW</b>	<b>2021</b>	<b>APPLIED</b>	<b>BLACK DESI</b>	<b>92</b>	<b>97</b>	<b>4.5</b>	<b>105</b>	<b>52</b>	<b>44</b>	<b>239</b>	<b>242</b>	<b>YES</b>

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