

# CDC SUNSET

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 Sunset 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 Sunset yielded 102% in the brown soil zone and 96% in the dark brown soil zone (Table 1). CDC Sunset 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 Sunset 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 Sunset 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 KALA <b>NEW</b>   | 2021            | APPLIED    | <b>BLACK DESI</b> | 92           | 97      | 4.5                       | 105              | 52             | 44          | 239                      | 242                        | YES                                       |
| CDC SUNSET <b>NEW</b> | 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