

KABULI CHICKPEA: CDC PALMER

Breeder: Dr. Bunyamin Tar'an
Crop Development Centre
University of Saskatchewan
Saskatoon, SK.

Year released to Select Seed Growers: 2014
Sub-licensed outside of SK: SeedNet
International Distribution Rights: Canterra Seeds Ltd.

Plant Breeders Rights: UPOV'91

CDC Palmer is a high-yielding Kabuli type chickpea with a light cream-beige colour and ram-head shaped seed. It has medium-late maturity and moderate resistance to Ascochyta blight. CDC Palmer is well-suited to all current chickpea growing areas in the Dark Brown and Brown soil zones of southern Saskatchewan and southeastern Alberta. CDC Palmer has PBR'91 protection.

Strengths:

- Improved yield vs. check variety Amit (B-90)
- Large seed size

Neutral:

- Ram-head seed shape.
- Cream-beige seed colour
- Moderate resistance to Ascochyta blight
- Earlier maturing compared to Amit or CDC Orion but later than CDC Leader

Weaknesses:

- Not tolerant to imazamox herbicide



Table 1: Agronomic Performance for CDC Palmer from Co-op and Regional trials in Saskatchewan – Adapted from Varieties of Grain Crops 2017

Variety	Year of Release	Years Tested	Yield % Amit		Ascochyta Blight Rating **	Maturity	Days to Flower	Height (cm)	Seed Weight (g/1000)	Seed Coat color	Seed Shape
			Area 1*	Area 2*							
Amit (B-90)	N/A	17	100	100	4.3	Late	56	47	259	Beige	Round
CDC Frontier	2003	17	107	104	4.4	Late	52	45	351	Beige	Ram-head
CDC Luna	2007	16	97	100	5.6	Mid-late	53	40	370	Beige	Ram-head
CDC Alma	2010	10	92	93	6.0	Late	53	41	366	Beige	Ram-head
CDC Orion	2010	12	107	105	4.9	Late	50	44	435	Beige	Ram-head
CDC Leader	2011	13	107	107	4.3	Medium	54	42	392	Beige	Ram-head
CDC Palmer	2014	8	105	101	4.8	Mid-late	52	42	419	Beige	Ram-head

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

** Ascochyta Blight at pod filling period: 0-9 scale; where: 0 = no symptoms; 9 = plants are completely blighted. Scores 4 - 6 are considered intermediate