

CDC Palmer was bred by CDC and is a high-yielding Kabuli type chickpea with a light cream-beige colour and ram-head shaped seed. It was released to Saskatchewan and Alberta Select Seed Growers in 2014. 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 south eastern Alberta. CDC Palmer has PBR protection.

### Strengths:

- ✓ Improved yield vs. check variety Amit (B-90):  
9% higher in brown and 6% higher in dark brown soil zones in 6 years of testing in SK (2017 Saskatchewan Seed Guide)
- ✓ Earlier maturing compared to Amit or CDC Orion
- ✓ Moderate resistance to ascochyta blight
- ✓ Seed size is predominantly 9-10 mm

### Other Attributes:

- ✓ Ram-head seed shape.
- ✓ Cream-beige seed colour
- ✓ Seed size: 426 g/1,000 seeds



**Table 1: Agronomic performance for CDC Palmer from Coop 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	15	100	100	4.5	Late	56	47	258	Beige	Round
CDC Frontier	2003	15	108	104	4.5	Late	56	46	349	Beige	Ram-head
CDC Orion	2010	10	108	106	5.1	Late	51	45	434	Beige	Ram-head
CDC Alma	2010	8	92	91	6.3	Late	54	43	364	Beige	Ram-head
CDC Leader	2011	11	109	108	4.5	Medium	54	42	390	Beige	Ram-head
CDC Palmer	2014	6	109	106	4.9	Mid-late	53	44	418	Beige	Ram-head

\*Area 1: Brown soil zone; Area 2: Dark brown; Area 3: Black; Area 4: Dark gray

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

**Table 2: Agronomic performance for CDC Palmer from Regional trials in Alberta – adapted from the Alberta Seed Guide 2017**

Variety	Year of release	Station Yrs Tested	Yield (% CDC Frontier)*	Tolerance to Ascochyta	Maturity	Days to Flower	Seed Weight (g/1000)	Plant Height (cm)	Seed Shape
<b>CDC Frontier</b>	2003	32	<b>100</b>	Fair	Late	56	362	44	Ram-head
Amit (B-90)	N/A	28	90	Fair	Late	56	268	44	Round
CDC Orion	2010	21	94	Poor	Mid-late	51	452	43	Ram-head
CDC Alma	2010	21	89	Very poor	Mid-late	54	380	39	Ram-head
CDC Leader	2011	17	97	Fair	Mid-late	54	400	41	Ram-head
<b>CDC Palmer</b>	2014	7	95	Fair	Medium	53	424	38	Ram-head

Source: Alberta Seed Guide 2017

\* Yield is from sites in Area 1 (brown soil zone): Bow Island, Brooks, Lethbridge and Medicine Hat