KABULI CHICKPEA: CDC PALMER

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

**Year released to Select Seed Growers:** 2014

**Plant Breeders Rights:** UPOV’91

**Sub-licensed outside of SK:** SeedNet

**International Distribution Rights:** Canterra Seeds Ltd.

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

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

*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