VARIETY DESCRIPTION FOR 491-5 (CDC Orion) KABULI CHICKPEA

Pedigree: FLIP95-48C/93-120-63K
Market class: Kabuli
Flower colour: White, same as Amit and CDC Frontier.
Seed weight: Average 428 g/1000 seeds, larger than both Amit and CDC Frontier.
Seed shape: Ram head shape, similar to CDC Frontier as opposed to round for Amit.
Seed coat colour: Beige/cream, similar to CDC Frontier.
Days to flower: Average of 56 days from seeding, similar to the check Amit.
Maturity: Average: 105 days, similar to Amit.
Leaf type: Fern leaf, similar to Amit and CDC Frontier.
Plant height: Average of 45 cm, comparable with Amit and CDC Frontier.
Growth habit: Slightly spreading similar to CDC Frontier.
Ascochyta reaction: Fair rating, comparable to CDC Frontier and CDC Luna

Note: The main differential characteristic used to distinguish 491-5 from CDC Frontier is seed size. The main differential characteristic used to distinguish 491-5 from Amit is seed shape.

<table>
<thead>
<tr>
<th>ENTRY</th>
<th>VARIETY</th>
<th>Area 1 Yield 2 sites</th>
<th>Area 2 Yield 5 sites</th>
<th>Days to flower 6 sites</th>
<th>Days to Maturity 7 sites</th>
<th>Height 6 sites</th>
<th>1000 seed weight 5 sites</th>
<th>Ascochyta blight 2 sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Amit</td>
<td>100 (1985)</td>
<td>100 (3300)</td>
<td>54</td>
<td>123</td>
<td>47</td>
<td>254</td>
<td>4.5</td>
</tr>
<tr>
<td>4</td>
<td>491-5</td>
<td>114</td>
<td>103</td>
<td>51</td>
<td>125</td>
<td>42</td>
<td>441</td>
<td>4.9</td>
</tr>
</tbody>
</table>

Area 1: brown soil zone
Area 2: dark brown soil zone
Check for 2009: Amit; (yield= kg/ha)
Ascochyta blight disease was rated (0 - 9 scale) at pod filling growth stage