CDC Grimm (IBC-1199) is a large green Clearfield® lentil variety. Disease resistance characteristics for CDC Grimm indicate improved resistance to anthracnose and is rated as MR which represents the best anthracnose resistance in this market class (both rating & field observation). In 4 years of head-to-head testing in the Lentil Regional Variety Trials, CDC Grimm yielded 2% lower than CDC Lima in the brown and dark brown soil zones and 8% lower in the black and dark grey soil zones (Table 1). In other characteristics, compared to CDC Lima, CDC Grimm has a smaller seed size, similar maturity and is 5 cm taller. Application for PBR’91 protection for CDC Grimm has been submitted.

**Strengths**

- Improved resistance to anthracnose
- Imidazolinone tolerance
- Higher yield & larger seed compared to CDC Impower

**Neutral**

- Similar agronomic and maturity characteristics compared to CDC Lima

**Weaknesses**

- Lower yielding than CDC Lima
- Smaller seed than CDC Lima
## Table 1: Agronomic Performance for Large Green Lentil CDC Grimm vs. Other Large Green Lentil Varieties (yield data represents 4 years of head-to-head comparative performance)

<table>
<thead>
<tr>
<th>VARIETY</th>
<th>TYPE</th>
<th>YEAR OF RELEASE</th>
<th>HT*</th>
<th>PBR STATUS</th>
<th>YEARS OF RVT DATA</th>
<th>SEED COAT COLOUR</th>
<th>YIELD % OF CDC MAXIM AREA 1-2**</th>
<th>AREA 3-4**</th>
<th>DISEASE RESISTANCE*** ASCOCYHTA BLIGHT</th>
<th>ANTHRACNOSE RACE 1</th>
<th>DAYS TO FLOWER</th>
<th>HEIGHT (CM)</th>
<th>MATURITY RATING</th>
<th>SEED WEIGHT (G/1000)</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDC GREENSTAR (3339-3)</td>
<td>LARGE</td>
<td>2013</td>
<td>-</td>
<td>-</td>
<td>4</td>
<td>GREEN</td>
<td>99</td>
<td>81</td>
<td>MR</td>
<td>I</td>
<td>52</td>
<td>40</td>
<td>MID-LATE</td>
<td>73</td>
<td>highest yielding CL large green lentil.</td>
</tr>
<tr>
<td>CDC IMPOWER (IBC-194)</td>
<td>LARGE</td>
<td>2009</td>
<td>CL</td>
<td>-</td>
<td>4</td>
<td>GREEN</td>
<td>79</td>
<td>75</td>
<td>MR</td>
<td>S</td>
<td>52</td>
<td>41</td>
<td>MID-LATE</td>
<td>64</td>
<td></td>
</tr>
<tr>
<td>CDC LIMA (IBC-937)</td>
<td>LARGE</td>
<td>2018</td>
<td>CL</td>
<td>PBR ’91</td>
<td>4</td>
<td>GREEN</td>
<td>95</td>
<td>87</td>
<td>MR</td>
<td>S</td>
<td>51</td>
<td>35</td>
<td>MID-LATE</td>
<td>74</td>
<td></td>
</tr>
<tr>
<td>CDC GRIMM (IBC-1199) NEW</td>
<td>LARGE</td>
<td>2021</td>
<td>CL</td>
<td>PBR ’91 APPLIED</td>
<td>4</td>
<td>GREEN</td>
<td>93</td>
<td>79</td>
<td>MR</td>
<td>MR</td>
<td>55</td>
<td>40</td>
<td>MID-LATE</td>
<td>75</td>
<td>best anthracnose resistance in market class (both rating &amp; field observation).</td>
</tr>
</tbody>
</table>

Source of Yield Data: Lentil Regional Variety Trial data (2017 - 2020);

Source of Agronomic & Disease Ratings: Varieties of Grain Crops 2021 (SaskSeed Guide)

*HT = Herbicide Tolerance. CL indicates Clearfield® variety.

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

***Resistance Ratings: R = Resistant; MR = Moderately resistant; I = Intermediate; S = Susceptible

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