Campanula carpatica

Central Europe

Pristar

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### Finished Plant **Campanula**

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Leaf colour</th>
<th>Pot size</th>
<th>Plants/pot</th>
<th>Potting week</th>
<th>Flowering weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pristar</td>
<td>seed</td>
<td>green</td>
<td>11–17 cm</td>
<td>1-3</td>
<td>9-23</td>
<td>May-August</td>
</tr>
</tbody>
</table>

### Remarks

Pristar is the earliest Campanula carpatica on the market.

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### Calendar Week

<table>
<thead>
<tr>
<th>Calendar Week</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
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<th>26</th>
<th>27</th>
<th>28</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P</td>
<td>S</td>
<td>S</td>
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<td>S</td>
<td>F</td>
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</tbody>
</table>

- **P**: Inside
- **S**: Outside
- **F**: Longday treatment (inside) 3-4 weeks after potting
Cultivation Advice

Grow under short days first 3 - 4 weeks to bulk plants prior to flowering. Flowering occurs approximately 6-8 weeks after long day treatments begin. Natural flower timing is June through July. Outdoor production from week 15-16 onwards gives much more compact, "strong" quality than finishing indoor.

Fertilization & Substrate
Use 2.5 – 3.0 kg/m³ of slow release fertilizer as a base level. Feeding with extra levels of nitrogen and calcium will speed up the culture.

Pests
Aphids, Thrips, Whiteflies

Diseases
Botrytis, Pythium, Fungal leaf spots

Light
Grow outdoors in full sun never allowing the soil to dry out.

PGR Applications
Finishing indoor needs more PGR. Complete outdoor production works well without PGR.

Campanula carpatica
## Recommendations

### Culture guideline subject to temperature

<table>
<thead>
<tr>
<th>Culture week</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Handling</strong></td>
<td>P</td>
<td></td>
<td></td>
<td></td>
<td>S</td>
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<td>F</td>
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<td>F</td>
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<tr>
<td><strong>Temperature D/N</strong></td>
<td>14–18°C, protect against frost</td>
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<tr>
<td><strong>Light</strong></td>
<td>flowering 6 -7 weeks after long day treatment</td>
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<tr>
<td><strong>Shading</strong></td>
<td>full sun, after hardening off, plants can handle full sunlight</td>
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<tr>
<td><strong>Humidity</strong></td>
<td>&lt;80%</td>
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<tr>
<td><strong>Moisture</strong></td>
<td>4-2</td>
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<tr>
<td><strong>pH</strong></td>
<td>5.8–6.2</td>
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<tr>
<td><strong>EC growing medium 1: 1.5 volume extraction in water</strong></td>
<td>0.5–1.0 mS/cm</td>
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<tr>
<td><strong>EC feeding in mS/cm</strong></td>
<td>1.5-2.0 mS/cm</td>
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<tr>
<td><strong>Fertilizer</strong></td>
<td>N : K 1 : 2</td>
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</table>

### Legend

#### Soil moisture level

- **5** saturated: water is easily observed. When the substrate is touched, water moves out freely from top to bottom.
- **4** wet: water is not easily observed. When the substrate is touched, there is very little movement of water from top to bottom.
- **3** moist: the substrate is black but not glintening. When the substrate is touched, there is water, but virtually no water movement.
- **2** medium: the substrate turns dark to medium brown. There is no water movement when touched.
- **1** dry: the substrate changed color to very light brown.

#### Culture stages Cuttings / Seeds

- **Callus development / gem1, radicle emergence**
- **Root development / germ2, cotyledon expansion**
- **Leaf development / plug bulking**
- **Plug finishing / plug finishing**

#### EC zones feeding mS/cm

- **1**: 0.5–1.0 mS/cm
- **2**: 1.0–1.5 mS/cm
- **3**: 1.5–2.0 mS/cm
- **4**: 2.0–2.5 mS/cm
- **5**: 2.5–3.0 mS/cm
- **6**: 3.0–3.5 mS/cm

#### Temperature zones

- **1**: 0–5°C
- **2**: 5–8°C
- **3**: 8–12°C
- **4**: 12–14°C
- **5**: 14–16°C
- **6**: 16–18°C
- **7**: 18–20°C
- **8**: 20–22°C
- **9**: >22°C

#### EC zones growing medium mS/cm (Sonneveld 1:1.5)

- **1**: 0.5–0.75 mS/cm
- **2**: 0.75–1.0 mS/cm
- **3**: 1.0–1.25 mS/cm
- **4**: 1.25–1.5 mS/cm
- **5**: 1.5–1.75 mS/cm
- **6**: 1.75–2.0 mS/cm
- **7**: 2.0–2.25 mS/cm

#### Light zones

- **1**: total darkness
- **2**: short day <12 h/short day treatment
- **3**: shaded
- **4**: no-shading / natural light
- **5**: supplemental light > 14 h/long day treatment
- **6**: night interruption

#### Shading

- **1**: shading > 250 Wm²
- **2**: shading > 450 Wm²
- **3**: shading > 750 Wm²

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**Recommendations**

- **Campanula carpatica**