Bidens ferulifolia

Central Europe
North Europe
South Europe

Solaire ® M Star
Solaire ® Semi-double compact
Solaire ® L Horizon
Charm Yellow
# Finished Plant **Bidens Solaire M Star, Semi-double compact, Charm**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Type</th>
<th>Leaf colour</th>
<th>Pot size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solaire M Star</td>
<td>Compact</td>
<td>green</td>
<td>7-10,5 cm</td>
</tr>
<tr>
<td>Solaire Semi-double compact</td>
<td>Compact</td>
<td>green</td>
<td>10,5-12 cm</td>
</tr>
<tr>
<td>Charm</td>
<td>Compact</td>
<td>green</td>
<td>7–12 cm</td>
</tr>
<tr>
<td>Solaire L Horizon</td>
<td>Vigorous</td>
<td>green</td>
<td>&gt;=12 cm and Hanging Baskets</td>
</tr>
</tbody>
</table>

**Remarks**

Culture time can vary from 1 to 2 weeks depending on light and temperature. In packs you can reduce crop time by 1 to 2 weeks also.

**Calendar Week**

<table>
<thead>
<tr>
<th>Calendar Week</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>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
<th>22</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td>F</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td>F</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td>F</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td>F</td>
<td></td>
<td></td>
<td>F</td>
<td></td>
</tr>
</tbody>
</table>

Scheduling from standard rooted material similar to 3 cm plug/Xtray128 without pinch. One plant per 10-12 cm pot.

---

*Bidens ferulifolia*
Finished Plant **Bidens Solaire L Horizon in hanging baskets**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Type</th>
<th>Leaf colour</th>
<th>Pot size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solaire M Star</td>
<td>Compact</td>
<td>green</td>
<td>7-10,5 cm</td>
</tr>
<tr>
<td>Solaire Semi-double compact</td>
<td>Compact</td>
<td>green</td>
<td>10,5-12 cm</td>
</tr>
<tr>
<td>Charm</td>
<td>Compact</td>
<td>green</td>
<td>7–12 cm</td>
</tr>
<tr>
<td>Solaire L Horizon</td>
<td>Vigorous</td>
<td>green</td>
<td>&gt;=12 cm and Hanging Baskets</td>
</tr>
</tbody>
</table>

**Remarks**

Culture time can vary from 1 to 2 weeks depending on light and temperature.

**Calendar Week**

Scheduling from standard rooted material similar to 3 cm plug/Xtray128 without pinch. 3 plants in a 27 cm hanging basket.
Cultivation Advice

**Fertilization & Substrate**

Important to keep EC levels in the range of 1.5-2.0. Measure the EC every week. If EC in the substrate is above 2.0, use clear water or fertilize with EC <1 until EC in the substrate is at the desired level. Increase the N:K relation to 1:1.5 after 3 weeks to improve the compact habit of the crop. As a substrate use a well permeable peat-based substrate having a pH from 5.0 to 6.0.

**Diseases**

Botrytis, Powery mildew, Pythium

**Pests**

Aphids, thrips, spidermites, leafminers, whiteflies

**Light**

Bidens have a high light requirement so bright cultivation and little shade.

**PGR Applications**

If needed Alar/B9 (daminozide), Cycocel, Cool morning, DIF.
## Recommendations

**Culture guideline at optimum average daily temperature 14–16°C:**

<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>
</tr>
</thead>
<tbody>
<tr>
<td>Handling</td>
<td>P</td>
<td>F</td>
<td>F</td>
<td>F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PGR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature D/N</td>
<td>16–18°C</td>
<td>12–14°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light</td>
<td>adding light may promote flowering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shading</td>
<td>full sun</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humidity</td>
<td>50–70%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moisture</td>
<td>3–2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>5,5–5,8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC growing medium</td>
<td>1.0 mS/cm</td>
<td>1.25 mS/cm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC feeding in mS/cm</td>
<td>1.5 mS/cm</td>
<td>2.0 mS/cm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fertilizer</td>
<td>N : K 1 : 1</td>
<td>N : K 1 : 1,5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</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** moist: 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 form 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**
- calus development / germ1, 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

**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

**Temperature zones**
- 1: 0–6°C
- 2: 6–8°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

**Light zones**
- 1: total darkness
- 2: short day <12 h/short day treatment
- 3: shadad
- 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

**EC growing medium**
- 1.0 mS/cm
- 1.25 mS/cm

**Fertilizer**
- N : K 1 : 1
- N : K 1 : 1,5

---

**Bidens ferulifolia**

**Crop Manual**

**TM Classification: PUBLIC**