**ANNUAL**

**PROPAGATION**

**DAHLIA DAHLINOVA**

*Dahlia x hybrida*

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### TRAY & ROOTING

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Vegetative Cutting (URC)</td>
</tr>
<tr>
<td>Rooting Hormone?</td>
<td>No</td>
</tr>
<tr>
<td>Tray Size</td>
<td>72, 102</td>
</tr>
<tr>
<td>Plants Per Cell</td>
<td>1</td>
</tr>
<tr>
<td>Days In Mist</td>
<td>5-10</td>
</tr>
<tr>
<td>Wks. From Stick To</td>
<td>3-4</td>
</tr>
<tr>
<td>Transplant</td>
<td></td>
</tr>
<tr>
<td>Propagation Pinch?</td>
<td>Yes</td>
</tr>
<tr>
<td>Weeks To Pinch</td>
<td>3</td>
</tr>
</tbody>
</table>

### FERTILITY

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilize Through Mist?</td>
<td>50-75ppm N</td>
</tr>
<tr>
<td>Fertilizer Rate</td>
<td>100-150ppm N</td>
</tr>
<tr>
<td>EC Range</td>
<td>Moderate: (2.0-3.5 mS via SME)</td>
</tr>
<tr>
<td>pH Range</td>
<td>5.6-6.2</td>
</tr>
</tbody>
</table>

### TEMPERATURE

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Soil Temp</td>
<td>70-75°F (21-24°C)</td>
</tr>
<tr>
<td>Average Air Temp (Day)</td>
<td>70-75°F (21-24°C)</td>
</tr>
<tr>
<td>Average Air Temp (Night)</td>
<td>65-68°F (18-20°C)</td>
</tr>
</tbody>
</table>

### IRRIGATION

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irrigation Frequency</td>
<td>Level 4: Keep media moderately moist at all times</td>
</tr>
</tbody>
</table>

### LIGHT

<table>
<thead>
<tr>
<th>Trait</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daylength Neutral?</td>
<td>No</td>
</tr>
<tr>
<td>Supplemental</td>
<td>14 hour days</td>
</tr>
<tr>
<td>Benefits From Shade?</td>
<td>No</td>
</tr>
</tbody>
</table>

### POTENTIAL DISEASES

- Rhizoctonia, mildew

### POTENTIAL PESTS

- Thrips, Fungus Gnats, Aphids

### PGR SUGGESTIONS

- 1,500-2500ppm B-Nine (85% Daminozide) spray

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**CULTIVAR LIST**

Alabama, California, Carolina, Carolina Burgundy, Carolina Orange, Florida, Lisa Burgundy, Lisa Dark Pink, Lisa White, Montana, New York, Oregon, Texas

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**TIPS**

- Stick deeply up to the first set of leaves to allow stem roots to form.
- An optimal growing mix should be well drained with sufficient moisture retention to prevent daily wilting.
- Dahlias, in general, should be kept evenly moist avoiding dramatic wet-dry cycles

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**CONTAINER SIZE** | **PLANTS PER POT** | **TRANSPLANT TO FINISH (WEEKS)**
---|---|---
4 in. (10 cm) and up | 1 | 6-8
6 in. (15 cm) | 1 | 7-9
8 in. (19 cm) | 3 | 7-9

**FERTILITY**

- **Fertilizer Rate**: 150-200 ppm N
- **EC Range**: High: (3.5-5 mS via SME)
- **pH Range**: 5.6-6.2

**TEMPERATURE**

- **Day Temperature**: 65-73°F (18-23°C)
- **Night Temperature**: 68-75°F (20-24°C)

**IRRIGATION**

- **Irrigation Frequency**: Level 3: Keep media moderately moist with mild dry cycles

**LIGHT**

- **Daylength Neutral?**: No
- **Optimum Light Level**: 4,500-9,000 (48,400-96,900 lux)
- **Supplemental**: Benefit From Shade? No

**PINCHING**

- **Finishing Pinch?**: No
- **Transplant to Pinch (days)**: N/A

**POTENTIAL DISEASES**

- Rhizoctonia, mildew

**POTENTIAL PESTS**

- Thrips, Fungus Gnats, Aphids

**PGR SUGGESTIONS**

- 2,500ppm B-Nine (85% Daminozide) spray
- 0.1-0.2ppm Bonzi (0.4% Paclobutrazol) if necessary

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**TIPS**

- A complete blend 17-5-17 fertilizer is the best for a balanced well-shaped finished product.
- Dahlias are very responsive to PGRs; use the least harsh chemical treatment in your greenhouse to avoid stunting plants.
- Plants must be grown under long days with a minimum daylength of 14 hours but no more than 16 hours of sunlight a day. More than 16 hours daily will promote vegetative growth and delay flowering. Nighttime interruptions are not recommended as a substitute.
- Plants should be pinched leaving two nodes 10-14 days after transplanting liners. Liners can be pinched at transplant if liners are not hardened or stressed. Earlier pinching will reduce crop time.

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ANNUAL

FEATURES AND BENEFITS

DAHLIA DAHLINOV A

Dahlia x hybrida

KEY INFORMATION

<table>
<thead>
<tr>
<th>Primary Common Name</th>
<th>Dahlia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer Watering Instructions</td>
<td>Water thoroughly when top 1 inch (3cm) of soil is dry.</td>
</tr>
<tr>
<td>Bloom Time</td>
<td>Blooms Spring to Autumn</td>
</tr>
<tr>
<td>Exposure</td>
<td>Full Sun to Part Shade</td>
</tr>
<tr>
<td>Height</td>
<td>10 inches (25 cm)</td>
</tr>
<tr>
<td>Garden Spacing</td>
<td>12 inches (30 cm)</td>
</tr>
</tbody>
</table>

DESCRIPTION

A gardener classic incorporating compact genetics and bombastic blooms.

CONSUMER APPEAL

- The very charismatic and photogenic flowers make dahlias one of the strongest impulse buys at retail.
- The visually striking “pompom” shaped flowers make great cut flowers.

GARDEN ATTRIBUTES

- Good in containers located in high-traffic areas where onlookers can appreciate the showy flowers.
- These well-rounded plants maintain uniform growth and resist lodging with their strong stems.
- Plants are very easy to grow and tubers may be dug for winter storage at the end of the growing season.

NATIVITY

Of hybrid origin: parental lineages native to Mexico.

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