# Annual Propagation

## Plumbago ‘Imperial Blue’

*Plumbago auriculata*

### Tray & Rooting

<table>
<thead>
<tr>
<th>Trimmer &amp; Rooting</th>
<th>Vegetative Cutting (URC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rooting Hormone?</td>
<td>Yes</td>
</tr>
<tr>
<td>Tray Size</td>
<td>50, 72, 84, 105</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 Transplant</td>
<td>3-4</td>
</tr>
<tr>
<td>Propagation Pinch?</td>
<td>No</td>
</tr>
<tr>
<td>Weeks To Pinch</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Fertility

<table>
<thead>
<tr>
<th>Fertilize Through Mist?</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilizer Rate</td>
<td>50-100ppm 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>5.6-6.3</td>
</tr>
</tbody>
</table>

### Temperature

<table>
<thead>
<tr>
<th>Average Soil Temp</th>
<th>68-72°F (20-22°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Air Temp (Day)</td>
<td>70-75°F (21-24°C)</td>
</tr>
<tr>
<td>Average Air Temp (Night)</td>
<td>68-72°F (20-22°C)</td>
</tr>
</tbody>
</table>

### Irrigation

<table>
<thead>
<tr>
<th>Irrigation Frequency</th>
<th>Level 2: Allow media to dry moderately between thorough waterings</th>
</tr>
</thead>
</table>

### Light

<table>
<thead>
<tr>
<th>Daylength Neutral?</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplemental</td>
<td>None</td>
</tr>
<tr>
<td>Benefits From Shade?</td>
<td>No</td>
</tr>
</tbody>
</table>

### Potential Diseases

| Botrytis, Pythium, Powdery Mildew |

### Potential Pests

| Aphids, Thrips |

### PGR Suggestions

- Florel at 150-400ppm (3.9% Ethephon) can be used 10 days after stick to promote branching.

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**Cultivar List**

| Imperial Blue |

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### CONTAINER SIZE

<table>
<thead>
<tr>
<th>Container Size</th>
<th>Plants per Pot</th>
<th>Transplant to Finish (Weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in. (10 cm)</td>
<td>1</td>
<td>4-6</td>
</tr>
<tr>
<td>Quart (12 cm)</td>
<td>1</td>
<td>6-8</td>
</tr>
<tr>
<td>8 in. (19 cm) and up</td>
<td>2-3</td>
<td>8-10</td>
</tr>
</tbody>
</table>

### FERTILITY

- **Fertilizer Rate**: 150-200 ppm N
- **EC Range**: Moderate: (2.0-3.5 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?**: Yes
- **Optimum Light Level**: 5,000-8,000 fc (53,800-86,100 lux)
- **Supplemental Benefits From Shade?**: None

### PINCHING

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

### POTENTIAL DISEASES

- Botrytis, Pythium, Powdery Mildew

### POTENTIAL PESTS

- Aphids, Thrips

### PGR SUGGESTIONS

- 125-250 ppm Florel (3.9% Ethephon)

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FEATURES AND BENEFITS

PLUMBAGO ‘IMPERIAL BLUE’

Plumbago auriculata

KEY INFORMATION

Primary Common Name  Blue Plumbago
Consumer Watering    Keep soil evenly moist, but not saturated.
Bloom Time           Blooms Summer to Autumn
Exposure             Full Sun
Height               18 inches (46 cm)
Garden Spacing       18 inches (46 cm)

DESCRIPTION

Though not as dark as the color called imperial blue, ‘Imperial Blue’ Plumbago features pale blue flower cluster atop a well branched mounding plant.

Plumbago auriculata was named a Texas SuperSTAR® in 2016. Criteria for this esteemed classification include quality and reliability for Texas consumers.

CONSUMER APPEAL

• Market as a nostalgic addition to consumers gardens.
• The extremely photogenic flowers make excellent additions to cut floral arrangements.

GARDEN ATTRIBUTES

• Works in a variety of garden locations including patio/porch containers, borders, and mass plantings.
• Prefers loamy, fertile, well-drained soils.
• Can be overwintered in zones 8-11 or brought inside as a houseplant.

NATIVITY

Southern Africa

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