# Annual Propagation

## Coleus Stained Glassworks

*Plectranthus scutellaroides*

### Tray & Rooting

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</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>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</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>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilize Through Mist?</td>
<td>None</td>
</tr>
<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>5.6-6.2</td>
</tr>
</tbody>
</table>

### Temperature

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Soil Temp</td>
<td>68-72°F (20-22°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>68-72°F (20-22°C)</td>
</tr>
</tbody>
</table>

### Irrigation

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

### Light

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daylength Neutral?</td>
<td>Yes</td>
</tr>
<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, Mealy Bugs, Whitefly

### PGR Suggestions

- 350-500ppm Florel (3.9% Ethephon) spray
- 1,500-2500ppm B-Nine (85% Daminozide) spray
- 100ppm Configure (2% 6-BA Benzyladenine)

### Tips

- Avoid excessive mist to control stretch.
- Florel (3.9% Ethephon) can be used 10 days after stick to promote branching.
- Transplant on time to minimize stress and stretch. Tone in high light.

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**Cultivar List**


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*‘Royalty’*

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FINISHING

COLEUS STAINED GLASSWORKS

_Plectranthus scutellarioides_

<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) and up</td>
<td>1</td>
<td>4-6</td>
</tr>
<tr>
<td>Gallon (16 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: 50-100ppm 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 2: Allow media to dry moderately between thorough waterings

LIGHT

Daylength Neutral?: Yes

Optimum Light Level: 4,000-9,000 fc (43,100-96,900 lux)

Supplemental: None

Benefits From Shade?: No

PINCHING

Finishing Pinch?: Yes

Transplant to Pinch (days): As needed to shape

POTENTIAL DISEASES

Botrytis, Pythium, Powdery Mildew

POTENTIAL PESTS

Aphids, Mealy Bugs, Whitefly

PGR SUGGESTIONS

- 300-500ppm Florel (3.9% Ethephon)
- 300ppm Florel (3.9% Ethephon) + 100ppm Configure (2% 6-BA Benzyladenine) as an alternative to mechanical pinching

TIPS

- Grow coleus at temperatures higher than 60°F (16°C) to avoid stretch and poor branching.
- Feed with a balanced fertilizer at a low to moderate rate.
- Avoid overwatering and saturated soil. Allow media to dry between waterings but do not allow plants to wilt.
- Do not overschedule your coleus crop, this will result in additional measures to control growth and diminishes quality.

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FEATURES AND BENEFITS

COLEUS STAINED GLASSWORKS

_Plectranthus scutellarioides_

### KEY INFORMATION

<table>
<thead>
<tr>
<th>Primary Common Name</th>
<th>Coleus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer Watering</td>
<td>Keep soil evenly moist, but not saturated.</td>
</tr>
<tr>
<td>Bloom Time</td>
<td>Grown for foliage</td>
</tr>
<tr>
<td>Exposure</td>
<td>Part Sun to Shade</td>
</tr>
<tr>
<td>Height</td>
<td>12-36 inches (30-92 cm)</td>
</tr>
<tr>
<td>Garden Spacing</td>
<td>18-36 inches (46-92 cm)</td>
</tr>
</tbody>
</table>

### DESCRIPTION

A collection of bright colored foliage choices for true shade applications. Adds depth and texture to landscape beds or containers.

Stained Glassworks Royalty was voted second place at the Welby Gardens trial open house in 2017.

### CONSUMER APPEAL

- This easy-to-grow classic adds character and a reprieve from bloom-heavy gardens while still remaining colorful and aesthetically appealing.
- Resistant to rabbits, deer, and most herbivorous insects.
- Can work nicely as a foliage accent piece in cut floral arrangements.

### GARDEN ATTRIBUTES

- Coleus are versatile and easy to care for making them a functional key element for many gardening situations.
- Once well established in the garden, coleus can withstand extreme heat when provided part shade.

### NATIVITY

Northern Australasia through tropical and subtropical Asia.

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