# IVY GERANIUM

## PROPAGATION

### PELARGONIUM MINICASCADE

*Pelargonium x peltatum*

### TRAY & ROOTING

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Vegetative Cutting</td>
</tr>
<tr>
<td>Rooting Hormone</td>
<td>Yes</td>
</tr>
<tr>
<td>Tray Size</td>
<td>32, 52, 72, 102 strip</td>
</tr>
<tr>
<td>Plants Per Cell</td>
<td>1</td>
</tr>
<tr>
<td>Days In Mist</td>
<td>7-10</td>
</tr>
<tr>
<td>Wks. From Stick To Transplant</td>
<td>4-5</td>
</tr>
<tr>
<td>Pinch?</td>
<td>No</td>
</tr>
<tr>
<td>Days To Pinch</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### FERTILITY

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilize Through Mist?</td>
<td>No</td>
</tr>
<tr>
<td>Fertilizer Rate</td>
<td>Moderate: 100-150 ppm N (20-10-20 constant feed)</td>
</tr>
<tr>
<td>EC Range</td>
<td>Moderate (1.0-1.5 mS via SME)</td>
</tr>
<tr>
<td>pH Range</td>
<td>6.0-6.4</td>
</tr>
</tbody>
</table>

### TEMPERATURE

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernalization Required?</td>
<td>No</td>
</tr>
<tr>
<td>Average Soil Temperature</td>
<td>65-68°F (18-20°C)</td>
</tr>
<tr>
<td>Average Air Temperature</td>
<td>65-68°F (18-20°C)</td>
</tr>
</tbody>
</table>

### IRRIGATION FREQUENCY

Level 3: Keep media moderately moist with mild dry cycles

### LIGHT (SUPPLEMENTAL)

When light levels fall below 1000 fc (10,800 lux)

### SHADE

Keep light intensity between 700-1200 fc (7500-12900 lux) until callus formation, 2000-2500 fc (21500-26900 lux) during root initiation, and 2500-4000 fc (26900-43100 lux) for toning.

### POTENTIAL DISEASES

Botrytis, Pythium, Rhizoctonia, Xanthomonas

### POTENTIAL PESTS

thrips, whitefly, fungus gnats, spider mites

### PGR SUGGESTIONS

- Daminozide (85%) at 750-1500 ppm + Chlormequat (11.8%) at 600ppm tank mix for height control 14-21 days after stick

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### CULTIVAR LIST

- Lavender, Pink, Red

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### TIPS

- Apply a 200 ppm IBA spray (or equivalent product) within 24 hours of sticking to aid root formation.
- Minicascade is a compact series, PGRs may not be required.
- Only mist enough to keep leaves turgid.

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IVY GERANIUM
FINISHING

PELARGONIUM MINICASCADE
Pelargonium x peltatum

<table>
<thead>
<tr>
<th>CONTAINER SIZE</th>
<th>PLANTS PER POT</th>
<th>EARLY SEASON</th>
<th>MID SEASON</th>
<th>LATE SEASON</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in. (10 cm) and up</td>
<td>1</td>
<td>10</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>6 in. (15 cm) and up</td>
<td>2</td>
<td>11</td>
<td>9</td>
<td>8</td>
</tr>
<tr>
<td>10 in. (22 cm)</td>
<td>3-5</td>
<td>13</td>
<td>11</td>
<td>8</td>
</tr>
</tbody>
</table>

FERTILITY

Fertilizer Rate
Moderate: 125-200 ppm N (15-5-15 at or similar calcium-nitrate formula alternated with 20-10-20)

EC Range
High (2.0-2.5 mS via SME)

pH Range
6.0-6.4

TEMPERATURE

Day Temperature
65-75°F (18-24°C)

Night Temperature
62-65°F (17-18°C)

IRRIGATION

Irrigation Frequency
Level 4: Keep media moderately moist at all times

LIGHT

Daylength Neutral?
Yes

Supplemental
Optional

Benefits From Shade?
No

PINching

Finishing Pinch?
Yes

TIPS

- Ivy geraniums naturally attract thrips, keep this in mind when scouting.
- Proper sanitation will help control Botrytis, Pythium and Rhizoctonia. Avoid over-applications of mist and fertilizer; this will help control waterborne pathogens and limit the fungus gnat population.
- Consider direct-stick with callused cuttings to reduce overall production time by 1-2 weeks.

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IVY GERANIUM

FEATURES AND BENEFITS

PELARGONIUM MINICASCADE

_Pelargonium x peltatum_

DESCRIPTION

Minicascade is an early season single flowering ivy geranium with compact vigor.

KEY GARDEN INFORMATION

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Full Sun to Partial Shade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>12-18 inches (30-46cm)</td>
</tr>
<tr>
<td>Garden Spacing</td>
<td>12-18 inches (30-46cm)</td>
</tr>
<tr>
<td>Watering</td>
<td>Allow soil to dry slightly between thorough waterings.</td>
</tr>
<tr>
<td>Hardiness Zone</td>
<td>10-12</td>
</tr>
</tbody>
</table>

CONSUMER APPEAL

- Classic trailing ivy perfect for containers and hanging baskets.
- Minicascade can be counted-on for continued performance in the heat, humidity and rain.

GARDEN ATTRIBUTES

- If planted in the landscape, Pelargonium prefer rich well-drained soils. However, they can tolerate heavy clay soils if not overwatered.
- Although not favored by bees, the long bloom season and bright flowers of Pelargonium naturally attract hummingbirds. Additionally, their recognizable foliage aroma is a natural deterrent to rabbits, deer, and herbivorous insects.
- Pelargonium can be overwintered indoors for extended seasonal interest.

NATIVITY

Of hybrid origin: parental lineages native to Southern Africa.

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