REGAL GERANIUM
PROPAGATION

PELARGONIUM ELEGANCE
Pelargonium x domesticum

TRAY & ROOTING
Form: Vegetative Cutting
Rooting Hormone: Yes
Tray Size: 32, 52, 72, 102 strip
Plants Per Cell: 1
Days In Mist: 7-14
Wks. From Stick To Transplant: 4-5
Pinch?: Optional
Days To Pinch: 28-35

FERTILITY
Fertilize Through Mist?: No
Fertilizer Rate: Moderate: 100-150 ppm N (20-10-20 constant feed)
EC Range: Moderate (1.0-1.5 mS via SME)
PH Range: 6.0-6.4

TEMPERATURE
Vernalization Required?: To improve flowering
Average Soil Temperature: 65-68°F (18-20°C)
Average Air Temperature: 65-68°F (18-20°C)

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 1000-2000 ppm + Chlormequat (11.8%) at 750ppm tank mix for height control 14-21 days after stick

CULTIVAR LIST
Appleblossom, Bravo, Burgundy, Cherry Blush, Choco, Claret, Crystal Rose, Hot Pink Blush, Imperial, Light Lavender Splash, Lilac Majesty, Lilac Sachet, Orange, Purple Majesty, Red Velvet, Rose Bicolor, Royalty White, Sunrise

‘Choco’

TIPS
• Apply a 200 ppm IBA spray (or equivalent product) within 24 hours of sticking to aid root formation.
• Avoid any wilting in the first 48-72 hours after stick. If the cuttings are not properly rehydrated after stick, they will be difficult to root and rehydrate for the entire propagation phase. For the first 3 days, cuttings will likely require misting every 2-3 hours.
• ‘Ballet’ and ‘Crystal Rose’ will root 3-4 days slower than the other cultivars in the Elegance series.

WE’RE HERE TO HELP YOU GROW
Tech.NA@DummenOrange.com
614-850-9551
DummenOrange.com
FINISHING

PELARGONIUM ELEGANCE

*Pelargonium x domesticum*

<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)</td>
<td>1</td>
<td>9-13</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>6 in. (15 cm)</td>
<td>2</td>
<td>10-14</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>12 in. (30 cm)</td>
<td>4</td>
<td>13-17</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**FERTILITY**

<table>
<thead>
<tr>
<th>Fertilizer Rate</th>
<th>Moderate: 125-200 ppm N (15-5-15 at or similar calcium-nitrate formula alternated with 20-10-20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC Range</td>
<td>High (2.0-2.5 mS via SME)</td>
</tr>
<tr>
<td>pH Range</td>
<td>6.0-6.4</td>
</tr>
</tbody>
</table>

**TEMPERATURE**

<table>
<thead>
<tr>
<th>Day Temperature</th>
<th>65-75°F (18-24°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Night Temperature</td>
<td>62-65°F (17-18°C)</td>
</tr>
</tbody>
</table>

**IRRIGATION**

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

**LIGHT**

<table>
<thead>
<tr>
<th>Daylength Neutral?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplemental</td>
<td>To extend photoperiod, provide at least 200 fc (93 lux) to improve plant quality</td>
</tr>
</tbody>
</table>

**PINCHING**

| Finishing Pinch? | Optional |

**POTENTIAL DISEASES**

Botrytis, Pythium, Rhizoctonia, Xanthomonas

**POTENTIAL PESTS**

thrips, whitefly, fungus gnats, spider mites

**PGR SUGGESTIONS**

- 750-1500 ppm Chlormequat (11.8%) as needed

**TIPS**

- For liners, place into vernalization once roots are established. If vernalizing a pinched liner or finished container, wait until lateral breaks are at least 0.25in. (0.64 cm) in length before placing into vernalization. Vernalization is properly conducted at 50°F (10°C) average daily temperature for 4-5 weeks. We suggest you heat at 45°F (7°C) and vent at 59°F (15°C).

- To promote full flowering, provide 16 hour days with at least 10 fc (108 lux) at plant height using daylength extension. During the extended photoperiod, provide at least 200 fc (2150 lux) with supplemental lamps.

- Regal geraniums naturally attract whiteflies, 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.

- Pinching in the finish stage of production can be used to change the plant habit and make it more suitable for larger containers.

WE'RE HERE TO HELP YOU GROW

Tech.NA@DummenOrange.com
614-850-9551
DummenOrange.com
REGAL GERANIUM
FEATURES AND BENEFITS

PELARGONIUM ELEGANCE
*Pelargonium x domesticum*

**DESCRIPTION**

Elegance is a highly programmable mid-season regal geranium series with a semi-vigorous growth habit and extra-large flowers. Check out our pre-vernalized (cooled) liners to simplify your production inputs.

**KEY GARDEN INFORMATION**

- **Exposure**: Full Sun to Partial Shade
- **Height**: 18-22 inches (46-56 cm)
- **Garden Spacing**: 18-22 inches (46-56 cm)
- **Watering instructions**: Allow soil to dry slightly between thorough waterings.
- **Hardiness Zone**: 10-12

**CONSUMER APPEAL**

- Regal geraniums truly fit their namesake. With large clusters of voluptuous (oftentimes multicolored) flowers, consumers can’t resist the alluring luxury of the Elegance series.
- Due to regal cold-tolerance, these geraniums can be sold early-season as a pot plant before transitioning outdoors to the landscape.

**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.

---

Where we are here to help you grow.

Tech.NA@DummenOrange.com
614-850-9551
DummenOrange.com