

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 (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 2: 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



Elegance Lilac Sachet

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 10 minutes for 3-4 seconds to avoid wilting. There should be a constant film of moisture on the foliage without oversaturating the media. After day 3, misting can slowly be reduced until day 7-14, at which time misting should be discontinued altogether.
- 'Ballet' and 'Crystal Rose' will root 3-4 days slower than the other cultivars in the Elegance series. Always stick these cultivars first and avoid cold microclimates.
- Once rehydrated, Regals with root quickly under drier conditions and high light.

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REGAL GERANIUM

FINISHING

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CONTAINER SIZE	PLANTS PER POT	EARLY SEASON	MID SEASON	LATE SEASON
4 in. (10 cm)	1	9-13	N/A	N/A
6 in. (15 cm)	2	10-14	N/A	N/A
12 in. (30 cm)	4	13-17	N/A	N/A

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 3: keep media moderately moist at all times**

LIGHT

Daylength Neutral? **No**

Supplemental **To extend photoperiod, provide at least 200 fc (93 lux) to improve plant quality**

Benefits From Shade? **No**

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



Elegance Crystal Rose

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.
- Consider direct-stick with callused cuttings to reduce overall production time by 1-2 weeks.

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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	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



Elegance Royalty White

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

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.



Elegance Burgundy

NATIVITY

Of hybrid origin: parental lineages native to Southern Africa.

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