

ZONAL GERANIUM

PROPAGATION

PELARGONIUM BROCADE

Pelargonium x hortorum



TRAY & ROOTING

Form	Vegetative Cutting
Rooting Hormone	Yes
Tray Size	32, 52, 72, 102 strip
Plants Per Cell	1
Days In Mist	7-10
Wks. From Stick To Transplant	4-5
Pinch?	No
Days To Pinch	N/A

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?	No
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
- *Ethephon* (3.9%) at 350-500 ppm can be used for bud removal and branching 14-21 days after stick; do not apply within 6-8 weeks of ship date



Brocade Cherry Night

TIPS

- Apply a 200 ppm IBA spray (or equivalent product) within 24 hours of sticking to aid root formation.
- Only mist enough to keep leaves turgid.

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FINISHING

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CONTAINER SIZE	PLANTS PER POT	EARLY SEASON	MID SEASON	LATE SEASON
4 in. (10 cm)	1	7-9	6-8	5-7
6 in. (15 cm)	1-2	8-10	7-9	6-8
8 in. (19 cm)	2-3	8-11	7-9	6-9
10 in. (22 cm)	3-4	9-12	8-11	8-12

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? **Yes**

Supplemental **Optional**

Benefits From Shade? **No**

PINCHING

Finishing Pinch? **No**

POTENTIAL DISEASES

Botrytis, Pythium, Rhizoctonia, Xanthomonas

POTENTIAL PESTS

thrips, whitefly, fungus gnats, spider mites

PGR SUGGESTIONS

- 750-1500 ppm *Chlormequat* (11.8%) as needed
- *Ethephon* (3.9%) at 350-500 ppm can be used for bud removal and branching; do not apply within 6-8 weeks of ship date



Brocade Fire Night

TIPS

- 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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FEATURES AND BENEFITS

PELARGONIUM BROCADE

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DESCRIPTION

Brocade is a novel geranium collection featuring a vigorous growth habit and cultivar options ranging from early-late season.

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



Brocade Salmon Night

CONSUMER APPEAL

- With their equally intriguing foliage and blooms, consumers feel they are getting a two-for-one deal with our Brocade geraniums.
- With their rich foliage, striking blooms, and mounding growth habit, our Brocade collection works well in mixed-genera combos or in 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.

NATIVITY

Of hybrid origin: parental lineages native to Southern Africa.

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