

ZONAL GERANIUM

PROPAGATION

PELARGONIUM SURVIVOR®

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	8-16
Wks. From Stick To Transplant	3-4
Pinch?	No
Days To Pinch	N/A

FERTILITY

Fertilize Through Mist?	Optional
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	68-72°F (20-22°C)
Average Air Temperature	65-72°F (18-22°C)

IRRIGATION FREQUENCY

Level 3: keep media moderately moist at all times

LIGHT (SUPPLEMENTAL)

No

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

Xanthomonas, Rhizoctonia, Botrytis

POTENTIAL PESTS

thrips, aphids, fungus gnats

PGR SUGGESTIONS

- 1,500-2500 ppm *Daminozide* (85%) spray
- *Ethephon* (3.9%) at 350-500 ppm can be used for bud removal and branching 12-21 days after stick (when liners are rooted). Do not apply within 6-8 weeks of ship date.



Survivor® Paperbloom

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

PELARGONIUM SURVIVOR®

Pelargonium x hortorum



CONTAINER SIZE	PLANTS PER POT	EARLY SEASON	MID SEASON	LATE SEASON
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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

58-62° (14-17°C)

IRRIGATION

Irrigation Frequency

Level 3: keep media moderately moist at all times

LIGHT

Daylength Neutral?

Yes

Supplemental

No

Benefits From Shade?

No

PINCHING

Finishing Pinch?

No

POTENTIAL DISEASES

Xanthomonas, Rhizoctonia, Botrytis

POTENTIAL PESTS

thrips, aphids, fungus gnats

PGR SUGGESTIONS

- 750-1500 ppm *Chlormequat* (11.8%) as needed
- 1200 ppm *Chlormequat* (11.8%) + 2500 ppm *Daminozide* (85%) tank mix



Survivor® Coral

TIPS

- Cultivars in this series are relatively vigorous and will likely require PGR applications.
- Utilize fertilizer formulations low in phosphorous and ammonium to help control stretch, increase branching, increase shelf life, and encourage full flowering.
- Consider direct-stick with callused cuttings to reduce overall production time by 1-2 weeks.

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FEATURES AND BENEFITS

PELARGONIUM SURVIVOR®

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DESCRIPTION

Survivor® is a mid-season zonal geranium with a semi-vigorous growth habit.

KEY GARDEN INFORMATION

Exposure	Sun to Partial Shade
Height	18-24 inches (46-61 cm)
Garden Spacing	18-24 inches (46-61 cm)
Watering instructions	Allow soil to dry slightly between thorough waterings.
Hardiness Zone	10-12

CONSUMER APPEAL

- Upright in nature with huge flowers, Survivor® is a solid choice for large container production.

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.



Survivor® Pink Batik

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