

ANNUAL
PROPAGATION

PETUNIA SURPRISE®

Petunia x hybrida



TRAY & ROOTING

Form	Vegetative Cutting (URC)
Rooting Hormone?	No
Tray Size	50, 72, 84, 105
Plants Per Cell	1
Days In Mist	7-10
Wks. From Stick To Transplant	3-4
Propagation Pinch?	Yes
Weeks To Pinch	3

FERTILITY

Fertilize Through Mist?	50-75ppm N
Fertilizer Rate	100-150ppm N
EC Range	Moderate: (2.0-3.5 mS via SME)
pH Range	5.5-6.0

TEMPERATURE

Average Soil Temp	70-75°F (21-24°C)
Average Air Temp (Day)	70-75°F (21-24°C)
Average Air Temp (Night)	68-72°F (20-22°C)

IRRIGATION

Irrigation Frequency	Level 3: Keep media moderately moist with mild dry cycles
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LIGHT

Daylength Neutral?	Yes
Supplemental	None
Benefits From Shade?	No

POTENTIAL DISEASES

Botrytis, Pythium, Rhizoctonia

POTENTIAL PESTS

Aphids, Thrips, Whitefly

PGR SUGGESTIONS

- To stimulate branching and promote uniformity, apply 250 ppm Florel (3.9% Ethephon) as soon as cuttings show roots (as early as day 7).
- Tank mix 250ppm Florel (3.9% Ethephon) + 500ppm B-Nine (85% Daminozide)
- 750ppm B-Nine (85% Daminozide)



'Fire Engine Red'

TIPS

- After sticking, water the cuttings uniformly to help “seat” them in the soil media. Good soil to stem contact is important for rooting. Over-misting or delayed mist reduction leads to slower rooting and causes iron deficiency.
- Petunias can be pinched in the liner stage to prevent stretch and promote basal branching but the grower must determine if this is necessary.

WE'RE HERE TO HELP YOU GROW

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ANNUAL
FINISHING

PETUNIA SURPRISE®

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CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
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4 in. (10 cm) and up **1** **3-5**

Gallon (16 cm) **1** **5-6**

10 in. (22 cm) and up **3** **8-12**

FERTILITY

Fertilizer Rate **200-250 ppm N**

EC Range **High: (3.5-5 mS via SME)**

pH Range **5.6-6.2**

TEMPERATURE

Day Temperature **65-73°F (18-23°C)**

Night Temperature **62-64°F (17-18°C)**

IRRIGATION

Irrigation Frequency **Level 3: Keep media moderately moist with mild dry cycles**

LIGHT

Daylength Neutral? **Yes**

Optimum Light Level **5,000-8,000 fc (53,800-86,100 lux)**

Supplemental **None**

Benefits From Shade? **No**

PINCHING

Finishing Pinch? **No**

Transplant to Pinch (days) **N/A**

POTENTIAL DISEASES

Botrytis, Pythium, Rhizoctonia

POTENTIAL PESTS

Aphids, Thrips, Whitefly

PGR SUGGESTIONS

- 500ppm B-Nine (85% Daminozide) + 750ppm Cycocel (11.8% Chlormequat) as a tank mix
- Bonzi (0.4% Paclobutrazol) drench 0.5-1ppm when plants have reached saleable size to tone for retail.



'Amethyst Halo'

TIPS

- High light and a negative DIF will reduce stretch.
- Fertilizers with increased iron and micronutrients are best.
- Allow media to dry moderately between waterings but do not allow plants to wilt. Avoid saturated media. Petunias are susceptible to root diseases if overwatered.
- Avoid high-rate PGR applications; they can distort the finished habit. Use of PGRs can delay flowering by up to 2 weeks, avoid applications when flower buds are present.
- Pinch after transplant ONLY when liner has not been treated or soft-pinch for shaping.

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FEATURES AND BENEFITS

PETUNIA SURPRISE®

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KEY INFORMATION

Primary Common Name	Petunia
Consumer Watering Instructions	Water thoroughly when top 1 inch (3cm) of soil is dry.
Bloom Time	Blooms Spring to Autumn
Exposure	Full Sun to Part Sun
Height	8-12 inches (20-30 cm)
Garden Spacing	18-32 inches (46-81 cm)

DESCRIPTION

Grows up and out, creating a waterfall or ripple effect depending on basket or garden application. In many colors and patterns, sure to add a colorful touch to hanging baskets, large containers or landscape.



'Marine'

CONSUMER APPEAL

- Attractive to both hummingbirds and butterflies.

GARDEN ATTRIBUTES

- Early flowering.
- Versatile uses ranging from containers, to hanging baskets, to landscape plantings.
- Consider sheering off 10-15% of the outer foliage during the heat of the summer to promote reblooming.

NATIVITY

Of hybrid origin: Petunia genus native to South America.



'Sparkle Burgundy'

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