

ANNUAL
PROPAGATION

PETUNIA SURPRISE®

Petunia x hybrida



TRAY & ROOTING

Form	Vegetative Cutting (URC)
Rooting Hormone?	No
Tray Size	
Plants Per Cell	1
Days In Mist	7-10
Wks. From Stick To Transplant	3-4
Propagation Pinch?	No
Weeks To Pinch	N/A

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	21-24°C
Average Air Temp (Day)	21-24°C
Average Air Temp(Night)	20-22°C

IRRIGATION

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

LIGHT

Daylength Neutral?	Yes
Supplemental	None
Benefits From Shade?	No

POTENTIAL DISEASES

Botrytis, Pythium, Rhizoctonia

POTENTIAL PESTS

Aphids, Thrips, Whitefly

PGR SUGGESTIONS

- Ethephon as soon as cuttings show roots (as early as day 7), to stimulate branching and promote uniformity
- Ethephon+ Daminozide

CULTIVAR LIST

Amethyst Halo, Blue, Blue Sky, Blue Vein, Burgundy Star, Grape, Green Tambourine, Hot Pink, Kardinal, Lemon Frost, Magenta Halo, Marine, Moonlight Bay, Neon, Purple, Purple Dance, Purple Ice, Purple Sky, Red, White, Cobalt Blue, White Orchid, Yellow



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

Joel Kempfer - Product Manager
J.kempfer@dummenorange.com
614-850-9551

[DummenOrange.com](https://www.dummenorange.com)

ANNUAL
FINISHING
PETUNIA SURPRISE®

Petunia x hybrida



CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
----------------	----------------	------------------------------

10-12 cm	1	4-6
13-15 cm	1	5-7
15 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	20-24°C
Night Temperature	18-23°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

- Daminozide + Chlormequat
- Paclobutrazol when plants have reached saleable size to tone for retail.



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.

WE'RE HERE TO HELP YOU GROW

Joel Kempfer - Product Manager
J.kempfer@dummenorange.com
614-850-9551

[DummenOrange.com](https://www.dummenorange.com)

ANNUAL

FEATURES AND BENEFITS

PETUNIA SURPRISE®

Petunia x hybrida



KEY INFORMATION

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

DESCRIPTION

Grows up and out, creating a waterfall or ripple effect depending on basket or garden application.

CONSUMER APPEAL

- Multi-colored cultivars and bold solids create a star standalone item or an accent component of an annuals display.
- 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.



WE'RE HERE TO HELP YOU GROW

Joel Kempfer - Product Manager
J.kempfer@dummenorange.com
614-850-9551

[DummenOrange.com](https://www.dummenorange.com)