# Annual Propagation

**Petunia Durabloom™**

*Petunia x hybrida*

## Tray & Rooting

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Vegetative Cutting (URC)</td>
</tr>
<tr>
<td>Rooting Hormone?</td>
<td>No</td>
</tr>
<tr>
<td>Tray Size</td>
<td>50, 72, 84, 105</td>
</tr>
<tr>
<td>Plants Per Cell</td>
<td>1</td>
</tr>
<tr>
<td>Days In Mist</td>
<td>7-10</td>
</tr>
<tr>
<td>Wks. From Stick To Transplant</td>
<td>3-4</td>
</tr>
<tr>
<td>Propagation Pinch?</td>
<td>Yes</td>
</tr>
<tr>
<td>Weeks To Pinch</td>
<td>3</td>
</tr>
</tbody>
</table>

## 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

## 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% Etaphen) as soon as cuttings show roots (as early as day 7).
- Tank mix 250ppm Florel (3.9% Etaphen) + 500ppm B-Nine (85% Daminozide)
- 750ppm B-Nine (85% Daminozide)

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**Cultivar List**

Royal Pink

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**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.

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**We’re Here to Help You Grow**

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PETUNIA DURABLOOM™
Petunia x hybrida

<table>
<thead>
<tr>
<th>CONTAINER SIZE</th>
<th>PLANTS PER POT</th>
<th>TRANSPLANT TO FINISH (WEEKS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in. (10 cm) and up</td>
<td>1</td>
<td>3-5</td>
</tr>
<tr>
<td>Gallon (16 cm)</td>
<td>1</td>
<td>5-6</td>
</tr>
<tr>
<td>10 in. (22 cm) and up</td>
<td>3</td>
<td>8-12</td>
</tr>
</tbody>
</table>

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: 68-75°F (20-24°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 BENEFITS FROM SHADE?
Benefits From Shade?: None

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.

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-pinched for shaping.

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FEATURES AND BENEFITS

PETUNIA DURABLOOM™

Petunia x hybrida

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


CONSUMER APPEAL

• Attractive to both hummingbirds and butterflies.
• Bounces back quickly after a heavy rain.

GARDEN ATTRIBUTES

• Early flowering.
• Versatile uses ranging from containers, to hanging baskets, to landscape plantings.
• Consider shearing 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.

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