

ANNUAL  
PROPAGATION  
**NEMESIA ESSENTIAL**

*Nemesia x hybrida*



TRAY & ROOTING

|                               |                                 |
|-------------------------------|---------------------------------|
| Form                          | <b>Vegetative Cutting (URC)</b> |
| Rooting Hormone?              | <b>No</b>                       |
| Tray Size                     | <b>105, 84, 72, 50</b>          |
| Plants Per Cell               | <b>1-2</b>                      |
| Days In Mist                  | <b>6-8</b>                      |
| Wks. From Stick To Transplant | <b>3-4</b>                      |
| Propagation Pinch?            | <b>Yes</b>                      |
| Weeks To Pinch                | <b>3</b>                        |

FERTILITY

|                         |                                       |
|-------------------------|---------------------------------------|
| Fertilize Through Mist? | <b>None</b>                           |
| Fertilizer Rate         | <b>100-150ppm N</b>                   |
| EC Range                | <b>Moderate: (2.0-3.5 mS via SME)</b> |
| pH Range                | <b>5.8-6.2</b>                        |

TEMPERATURE

|                         |                          |
|-------------------------|--------------------------|
| Average Soil Temp       | <b>70-75°F (21-24°C)</b> |
| Average Air Temp (Day)  | <b>75-80°F (24-27°C)</b> |
| Average Air Temp(Night) | <b>65-68°F (18-20°C)</b> |

IRRIGATION

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Irrigation Frequency | <b>Level 2-3: Keep moderately moist, with light dry cycles</b> |
|----------------------|----------------------------------------------------------------|

LIGHT

|                      |             |
|----------------------|-------------|
| Daylength Neutral?   | <b>Yes</b>  |
| Supplemental         | <b>None</b> |
| Benefits From Shade? | <b>No</b>   |

POTENTIAL DISEASES

Botrytis

POTENTIAL PESTS

Aphids, Thrips

PGR SUGGESTIONS

- B-Nine (*daminozide*) 1500ppm if needed



'Blackberry'

TIPS

- Apply a broad spectrum fungicide in the first few days to avoid/control leaf diseases.
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ANNUAL  
FINISHING  
**NEMESIA ESCENTIAL**

*Nemesia x hybrida*



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

|                       |            |              |
|-----------------------|------------|--------------|
| <b>4 in. (10 cm)</b>  | <b>1</b>   | <b>6-8</b>   |
| <b>6 in. (15 cm)</b>  | <b>2-3</b> | <b>7-10</b>  |
| <b>Gallon (16 cm)</b> | <b>3-4</b> | <b>10-12</b> |

#### FERTILITY

|                 |                                       |
|-----------------|---------------------------------------|
| Fertilizer Rate | <b>50-100ppm N</b>                    |
| EC Range        | <b>Moderate: (2.0-3.5 mS via SME)</b> |
| pH Range        | <b>5.8-6.2</b>                        |

#### TEMPERATURE

|                   |                          |
|-------------------|--------------------------|
| Day Temperature   | <b>65-68°F (18-20°C)</b> |
| Night Temperature | <b>40-60°F (5-15°C)</b>  |

#### IRRIGATION

|                      |                                                                            |
|----------------------|----------------------------------------------------------------------------|
| Irrigation Frequency | <b>Level 2-3: Allow media to dry moderately between thorough waterings</b> |
|----------------------|----------------------------------------------------------------------------|

#### LIGHT

|                      |                                             |
|----------------------|---------------------------------------------|
| Daylength Neutral?   | <b>Yes</b>                                  |
| Optimum Light Level  | <b>6,000-12,000 fc (64,600-129,200 lux)</b> |
| Supplemental         | <b>None</b>                                 |
| Benefits From Shade? | <b>No</b>                                   |

#### PINCHING

|                            |            |
|----------------------------|------------|
| Finishing Pinch?           | <b>No</b>  |
| Transplant to Pinch (days) | <b>N/A</b> |

#### POTENTIAL DISEASES

Botrytis, Pythium, Phytophthora

#### POTENTIAL PESTS

Aphids, Thrips, Mites

#### PGR SUGGESTIONS

- Pinch to encourage strong basal branching
- B-Nine (*daminozide*) 1750-3000ppm as needed to control growth
- *Paclobutrazol* drench 2ppm to hold



'Sunberry'

#### TIPS

- Maintain good airflow to avoid diseases.
- Water in the morning to avoid plants going into night period wet.
- If grown cool with good moisture management and high light levels little to no PGR should be required

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