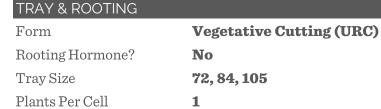
## **PROPAGATION**

# **VERBENA EMPRESS® SUN KISS**

Verbena x hybrida



Blue, Pink, Red, White



Days In Mist 7-10
Wks. From Stick To
Transplant 3-4

Propagation Pinch? Yes
Weeks To Pinch 3

FERTILITY
Fertilize Through Mist?
None

Fertilizer Rate 100-150ppm N

EC Range Moderate: (2.0-3.5 mS via

SME)

pH Range **5.6-6.2** 

IRRIGATION

Level 3: Keep media
moderately moist with
mild dry cycles

LIGHT
Daylength Neutral?
Supplemental
None
Benefits From Shade?
No

POTENTIAL DISEASES

Botrytis, Rhizoctonia, Powdery Mildew

POTENTIAL PESTS

Spider Mites, Thrips, Whitefly

PGR SUGGESTIONS

• Naturally compact.

• B-Nine (85% Daminozide) at 1500ppm + Florel (3.9% Ethephon) at 500ppm tank mix



'Blue'

#### **TIPS**

- Mist until roots begin to push into medium.
   Excessive misting can result in disease and nutrient leaching.
- Ensure light levels are at no less than 1,000-2,000 fc (10,500-21,500 lux) during rooting. After cuttings have established roots, increase light levels to 2,500-4,500 fc (27,000-48,500 lux) minimum.

#### WE'RE HERE TO HELP YOU GROW

Tech.NA@DummenOrange.com 614-850-9551 DummenOrange.com

## **FINISHING**

# **VERBENA EMPRESS® SUN KISS**

 $Verbena\ x\ hybrida$ 



| Fertilizer Rate | 150-200 ppm N                  |
|-----------------|--------------------------------|
| EC Range        | Moderate: (2.0-3.5 mS via SME) |
| pH Range        | 5.8-6.3                        |
|                 |                                |

| TEMPERATURE       |                   |
|-------------------|-------------------|
| Day Temperature   | 73-80°F (23-27°C) |
| Night Temperature | 60-68°F (16-20°C) |
| IRRIGATION        |                   |

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

| LIGHT                |  |
|----------------------|--|
| Daylength Neutral?   | Yes                                    |
| Optimum Light Level  | 5,000-8,000 fc (53,800-<br>86,100 lux) |
| Supplemental         | None                                   |
| Benefits From Shade? | No                                     |
| DINICLUNIC           |  |

| Bellettes I Tolli Silaac.  | 110  |
|----------------------------|------|
| PINCHING                   |      |
| Finishing Pinch?           | Yes  |
| Transplant to Pinch (days) | 7-14 |

### POTENTIAL DISEASES

Botrytis, Rhizoctonia, Powdery Mildew

### POTENTIAL PESTS

Spider Mites, Thrips, Whitefly

### **PGR SUGGESTIONS**

- 300-500ppm Florel (3.9% Ethephon) / 1500-2500ppm B-Nine (85% Daminozide) tank mix sprayed 1- 2 weeks after transplant to promote branching., this can replace pinching. Additional applications can be made but might delay flowering.
- B-Nine (85% Daminozide) at 2500ppm can be used to reduce plant stretch.





'Red'

### **TIPS**

- Excess phosphorus-containing fertilizer may cause soft growth and internode stretch.
- Low temperatures decelerate growth and may cause leaf yellowing. As with all Verbena, powdery mildew is best prevented and controlled by dry leaves and low humidity combined with preventative sprays and early detection.
- A hard Pinch (above the 4th or 5th set of leaves) once plant roots reach the edge of the finished container will promote basal branching. Additional pinching will improve plant fullness.
- Verbena growth responds well to negative DIF.

#### WE'RE HERE TO HELP YOU GROW

Tech.NA@DummenOrange.com 614-850-9551 DummenOrange.com