

ANNUAL  
PROPAGATION

# HELIOTROPIUM (OPEN CULTIVARS)

*Heliotropium arborescens*



## TRAY & ROOTING

Form	<b>Vegetative Cutting (URC)</b>
Rooting Hormone?	<b>Yes</b>
Tray Size	
Plants Per Cell	<b>1</b>
Days In Mist	<b>7-9</b>
Wks. From Stick To Transplant	<b>4</b>
Propagation Pinch?	<b>No</b>
Weeks To Pinch	<b>N/A</b>

## FERTILITY

Fertilize Through Mist?	<b>None</b>
Fertilizer Rate	<b>50-100ppm N</b>
EC Range	<b>Low: (0.8-2.0 mS via SME)</b>
pH Range	<b>5.6-6.1</b>

## TEMPERATURE

Average Soil Temp	<b>20-22°C</b>
Average Air Temp (Day)	<b>24-27°C</b>
Average Air Temp(Night)	<b>20-22°C</b>

## IRRIGATION

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

## LIGHT

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

## POTENTIAL DISEASES

Pythium, Rhizoctonia, Powdery Mildew

## POTENTIAL PESTS

Fungus Gnats, Mites, Shore Flies

## PGR SUGGESTIONS

## CULTIVAR LIST

Osaka, Fragrant Delight



## TIPS

- Maintain high temperatures throughout development.

## WE'RE HERE TO HELP YOU GROW

Joel Kempfer - Product Manager

J.kempfer@dummenorange.com

614-850-9551

[DummenOrange.com](http://DummenOrange.com)

ANNUAL  
FINISHING

# HELIOTROPIUM (OPEN CULTIVARS)

*Heliotropium arborescens*



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

**10-12 cm**                      **1**                      **4-6**

**13-15 cm**                      **1**                      **6-8**

**19 cm**                              **3**                      **8**

## FERTILITY

Fertilizer Rate                      **150-200 ppm N**

EC Range                              **Low: (0.8-2.0 mS via SME)**

pH Range                              **5.8-6.2**

## 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                      **4,000-9,000 fc (43,100-96,900 lux)**

Supplemental                              **None**

Benefits From Shade?                      **No**

## PINCHING

Finishing Pinch?                              **Yes**

Transplant to Pinch (days)                      **7-14**

## POTENTIAL DISEASES

Pythium, Rhizoctonia, Powdery Mildew

## POTENTIAL PESTS

Fungus Gnats, Mites, Shore Flies

## PGR SUGGESTIONS



## TIPS

- DO NOT overwater.

## WE'RE HERE TO HELP YOU GROW

Joel Kempfer - Product Manager

J.kempfer@dummenorange.com

614-850-9551

[DummenOrange.com](http://DummenOrange.com)

ANNUAL

## FEATURES AND BENEFITS

# HELIOTROPIUM (OPEN CULTIVARS)

*Heliotropium arborescens*



### KEY INFORMATION

Primary Common Name	<b>Heliotrope</b>
Consumer Watering Instructions	<b>Keep soil evenly moist, but not saturated.</b>
Bloom Time	<b>Blooms Summer</b>
Exposure	<b>Full Sun</b>
Height	<b>30-46 cm</b>
Garden Spacing	<b>30 cm</b>

### DESCRIPTION

A fragrant spring annual with large umbel flower clusters and saturated flower color.

### CONSUMER APPEAL

- Market the fragrance and relative novelty of this plant to spring consumers.
- An attractive option to bees while simultaneously boasting deer resistance.

### GARDEN ATTRIBUTES

- Works equally well in containers or mass-planting borders.
- Prefers moist, well-drained soil that is consistently moist.
- Can be overwintered in zone 10-11.

### NATIVITY

Peru



### WE'RE HERE TO HELP YOU GROW

Joel Kempfer - Product Manager

J.kempfer@dummenorange.com

614-850-9551

[DummenOrange.com](http://DummenOrange.com)