

PERENNIAL

## PROPAGATION

# *Campanula Dalmatian bellflower*

*Campanula portenschlagiana*



### TRAY & ROOTING

Form	<b>Unrooted Cuttings (URC)</b>
Rooting Hormone	<b>Yes</b>
Tray Size(s)	<b>72, 105</b>
Plants Per Cell	<b>1</b>
Wks. From Stick To Transplant	<b>5-6</b>
Pinch?	<b>Yes</b>
Days from stick to pinch	<b>14-21</b>

### FERTILITY

Fertilize Through Mist?	<b>No</b>
Fertilizer Rate	<b>100-150 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])</b>
EC Range	<b>Moderate: (2.0-3.5 mS via SME)</b>
pH Range	<b>5.8-6.2</b>

### TEMPERATURE

Average Soil Temperature	<b>65-72°F (18-22°C)</b>
Average Air Temperature	<b>65-72°F (18-22°C)</b>

### IRRIGATION

Irrigation Frequency	<b>Level 3: Keep media moderately moist with mild dry cycles</b>
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### LIGHT

Supplemental	<b>Yes</b>
Benefits From Shade?	<b>No</b>

### POTENTIAL DISEASES

Botrytis, downy mildew

### POTENTIAL PESTS

aphids, whitefly

### PGR SUGGESTIONS

- Optional 3-5 ppm Sumagic (0.055% Uniconazole)

### CULTIVAR LIST



### TIPS

- An IBA rooting hormone should be applied at 600-1000 ppm before stick. This will ensure swift and uniform rooting.
- Campanula should generally be misted for 14-18 days after stick. Cuttings are sensitive to overwatering and soggy soil. Ensure roots have access to adequate oxygen.
- Sticking cuttings too deep can lead to death in plug trays or crown rot in the finishing pot.

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FINISHING

# Campanula Dalmatian bellflower

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## VERNALIZATION

Vernalization Required?	<b>Yes</b>
Vernalization Duration Minimum	<b>6-8 weeks</b>
Vernalization Temperature	<b>35-40°F (1.6-4.4°C)</b>

CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
<b>4 in./qt (10-12 cm)</b>	<b>1</b>	<b>10-12</b>
<b>6 in./Gal. (15-16 cm)</b>	<b>2</b>	<b>10-12</b>

## FERTILITY

Fertilizer Rate	<b>150-200 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])</b>
EC Range	<b>Moderate: (2.0-3.5 mS via SME)</b>
pH Range	<b>5.8-6.4</b>

## TEMPERATURE

Day Temperature	<b>65-75°F (18-24°C)</b>
Night Temperature	<b>55-65°F (13-18°C)</b>

## IRRIGATION

Irrigation Frequency	<b>Level 3: Keep media moderately moist with mild dry cycles</b>
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## LIGHT

Photoperiodic requirements	<b>Long day: 12+ hours daily</b>
Supplemental?	<b>None</b>
Benefits From Shade?	<b>No</b>

## PINCHING

Finishing Pinch?	<b>Optional</b>
Transplant to pinch (days)	<b>14-21</b>

## POTENTIAL DISEASES

Botrytis, downy mildew

## POTENTIAL PESTS

aphids, whitefly

## PGR SUGGESTIONS

- Bonzi (0.4% Paclobutrazol) 5-40ppm spray'
- 5-8 ppm Sumagic (0.055% Uniconazole)
- 2500 ppm B-Nine (85% Daminozide) as needed



## TIPS

- Vernalization is most effective if completed in pots 4-6 weeks after plants have been transplanted into their finishing container.
- Drip irrigation and proper spacing helps to prevent stretching and promote a compact growth habit.

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## FEATURES AND BENEFITS

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### KEY INFORMATION

First Year Flowering?	<b>No</b>
Bloom Time	<b>Late Spring to Early Autumn</b>
Exposure	<b>Full Sun</b>
Hardiness Zone	<b>5-13</b>
Height	<b>6-12 inches (15-30 cm)</b>
Width	<b>24 inches (60 cm)</b>

### DESCRIPTION

A hardy and low maintenance addition to the garden with lavender-lilac colored upward facing bellflowers atop a well-behaved mini-plant.

### CONSUMER APPEAL

- In full bloom, the carpet of purple flowers attracts bees and certain butterfly species like skippers.
- The latex filled white sap that's excreted by the Campanula genus when cut or damaged helps to make this plant resistant to deer and rabbits. Make sure to clean your pruners after deadheading or trimming.

### GARDEN ATTRIBUTES

- Adorably compact, this Campanula works well as a border ground cover, in rock gardens, along pathways (although it does not tolerate foot traffic) or even in containers.
- The slowly spreading "magical" look to Campanula combined with dainty purple flowers make this the perfect fairy garden plant.
- Due to this plant's alpine origins, it prefers a consistently maintained average moisture level. It is tolerant of clay soil conditions if not overwatered.
- Although usually grown in full sun conditions, part shade or dappled sun is appreciated during the sultry heat of the summer.

### NATIVITY

Native to the Dalmatian Mountains spanning Croatia plus Bosnia & Herzegovina.

### COMPANION PLANTS

*Agastache, Geranium, Veronica, Phlox, Alstroemeria*

### COMMON NAME(S)

Dalmatian bellflower, Adria bellflower, wall bellflower



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