

PERENNIAL

## PROPAGATION

# Coreopsis Fall Sensation Series

*Coreopsis x hybrida*



### 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>4-5</b>
Pinch?	<b>Yes</b>
Days from stick to pinch	<b>14-21</b>

### CULTIVAR LIST

Amber, Quartz, Sandstone, Sunny Side, Vermillion

### FERTILITY

Fertilize Through Mist?	<b>No</b>
Fertilizer Rate	<b>50-75 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>Optional</b>
Benefits From Shade?	<b>No</b>

### POTENTIAL DISEASES

bacterial leaf spot, powdery mildew, Botrytis

### POTENTIAL PESTS

aphids

### PGR SUGGESTIONS

- Optional 300-500 ppm Florel (3.9% Ethephon)
- Optional 1500-2500 ppm B-Nine (85% Daminozide)

### TIPS

- An IBA-based rooting hormone at 500-1000 ppm can be applied as a powder or spray. This will ensure swift and uniform rooting.
- After rooting, liners can be kept at 35-40°F (1.6-4.4°C) to avoid stretching.

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FINISHING

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## VERNALIZATION

Vernalization Required?	<b>No</b>
Vernalization Duration Minimum	<b>N/A</b>
Vernalization Temperature	<b>N/A</b>

CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
<b>4 in./qt (10-12 cm)</b>	<b>1</b>	<b>4-6</b>
<b>6 in./Gal. (15-16 cm)</b>	<b>1-2</b>	<b>6-8</b>
<b>10 in. (22 cm)</b>	<b>3</b>	<b>9-12</b>

## FERTILITY

Fertilizer Rate	150-200 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])
EC Range	<b>Moderate: (2.0-3.5 mS via SME)</b>
pH Range	<b>5.8-6.2</b>

## TEMPERATURE

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

## IRRIGATION

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

Photoperiodic requirements	<b>Long day: 12+ hours daily</b>
Supplemental?	<b>Optional</b>
Benefits From Shade?	<b>No</b>

## PINCHING

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

## POTENTIAL DISEASES

bacterial leaf spot, powdery mildew, Botrytis

## POTENTIAL PESTS

aphids

## PGR SUGGESTIONS

- B-Nine (85% Daminozide) 1500-2500ppm<sup>r</sup>
- Sumagic (0.055% Uniconazole) 3-4ppm

## TIPS

- Proper spacing and fertilization is required to maintain compact habit and large flower size.
- Dry moderately between waterings to limit stretch and tone plant.
- Daylength extension or night interruption can force flowering.

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## FEATURES AND BENEFITS

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### KEY INFORMATION

First Year Flowering?	<b>Yes</b>
Bloom Time	<b>Summer to Fall</b>
Exposure	<b>Full Sun</b>
Hardiness Zone	<b>4-9</b>
Height	<b>12-18 inches (30-46 cm)</b>
Width	<b>24-36 inches (60cm-90 cm)</b>

### COMPANION PLANTS

*Gaillardia, Salvia, Solidago, Achillea, Lavandula, Perovskia, Gaura, Scabiosa, Penstemon*

### COMMON NAME(S)

tickseed, calliopsis, coreopsis

### DESCRIPTION

Coreopsis is undoubtedly one of the most popular native pollinator plants available to homeowners and landscapers. It is low maintenance, drought tolerant, pollinator friendly, and loaded with blooms throughout the growing season.

### CONSUMER APPEAL

- The showy golden flowers are a dramatic beacon for bees and butterflies.
- Native to prairies, glades, roadsides, and open woods throughout North America, this plant is very drought tolerant once established. Additionally, it is deer resistant.

### GARDEN ATTRIBUTES

- Although not particularly fragrant, coreopsis make good cut flowers, especially in rustic arrangements.
- Coreopsis is the ultimate perennial for pollinator gardens, borders, naturalized areas, meadow gardens, prairie gardens, cottage gardens and even in mixed container displays.
- Prefers well drained soil where it can survive in dry to moderately moist soils. Can tolerate clay as long as it does not receive too much moisture.
- The best way to promote reblooming is to aggressively shear the plants back after their initial bloom. This will promote fresh new growth full of vitality.

### NATIVITY

Native to North, Central, and South America though the majority of ancestral species are centered in modern day USA.

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