

PERENNIAL

## PROPAGATION

# Coreopsis Big Bang™ 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>

### 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)

### CULTIVAR LIST

Full Moon Ipd, Mercury Rising, Polaris, Sun Splash



'Sun Splash'

### 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.

### WE'RE HERE TO HELP YOU GROW

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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)
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<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



'Mercury Rising'

## 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? **Yes**  
Bloom Time **Summer to Early Autumn**

Exposure **Full Sun**  
Hardiness Zone **4-9**  
Height **12-18 inches (30-46 cm)**  
Width **24-36 inches (60cm-90 cm)**

### DESCRIPTION

Big Bang is the result of top notch breeding featuring an excellent habit and unusual colors with super large flowers.

### 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.

### COMPANION PLANTS

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

### COMMON NAME(S)

tickseed, calliopsis, coreopsis



'Full Moon Imp'



'Polaris'

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