PERENNIAL

PROPAGATION

Coreopsis 'Sunswirl' and 'Moonswirl'

Coreopsis grandiflora

TRAY & ROOTING	
Form	**Unrooted Cuttings (URC)**
Rooting Hormone	**Yes**
Tray Size(s)	**72, 105**
Plants Per Cell	**1**
Wks. From Stick To Transplant	**4-5**
Pinch?	**Yes**
Days from stick to pinch	**14-21**
FERTILITY	
Fertilize Through Mist?	**No**
Fertilizer Rate	**50-75 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])**
EC Range	**Moderate: (2.0-3.5 mS via SME)**
pH Range	**5.8-6.2**
TEMPERATURE	
Average Soil Temperature	**65-72°F (18-22°C)**
Average Air Temperature	**65-72°F (18-22°C)**
IRRIGATION	
Irrigation Frequency	**Level 3: Keep media moderately moist with mild dry cycles**
LIGHT	
Supplemental	**Optional**
Benefits From Shade?	**No**

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

Sunswirl, Moonswirl

'SunSwirl'

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?	**No**	
Vernalization Duration Minimum	**N/A**	
Vernalization Temperature	**N/A**	
CONTAINER SIZE	**PLANTS PER POT**	**TRANSPLANT TO FINISH (WEEKS)**
4 in./qt (10-12 cm)	**1**	**4-6**
6 in./Gal. (15-16 cm)	**1-2**	**6-8**
10 in. (22 cm)	**3**	**9-12**
FERTILITY		
Fertilizer Rate	150-200 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])	
EC Range	**Moderate: (2.0-3.5 mS via SME)**	
pH Range	**5.8-6.2**	
TEMPERATURE		
Day Temperature	**65-75°F (18-24°C)**	
Night Temperature	**55-65°F (13-18°C)**	
IRRIGATION		
Irrigation Frequency	**Level 2: Allow media to dry moderately between thorough waterings**	
LIGHT		
Photoperiodic requirements	**Daylength Neutral**	
Supplemental?	**Optional**	
Benefits From Shade?	**No**	
PINCHING		
Finishing Pinch?	**Optional**	
Transplant to pinch (days)	**14-21**	
POTENTIAL DISEASES		
bacterial leaf spot, powdery mildew, Botrytis		
POTENTIAL PESTS		
aphids		
PGR SUGGESTIONS		

- B-Nine (85% Daminozide) 1500-2500ppm
- Sumagic (0.055% Uniconazole) 3-4ppm

'Moonswirl'

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	**Spring to Late Summer**
Exposure	**Full Sun**
Hardiness Zone	**5-9**
Height	**12-18 inches (30-46 cm)**
Width	**24-36 inches (60cm-90 cm)**

DESCRIPTION

The vanguard cultivar of a brand new Dümmen Orange series, Coreopsis 'Sunswirl' is an easy-to-grow and easy-to-maintain perennial with medium vigor and large double golden flowers set atop well-branched architecture.

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 sheer 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

'Moonswirl'

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