

Coreopsis Double the Sun

(*Coreopsis grandiflora*)

Perennials Culture (revised 02/22/19)

The early bird gets the...Sales!

There's early...and then there's Double the Sun! This bright variety is 2 to 3 weeks earlier than our Early Sunrise and other comparable varieties in the early cool season. In Summer, it finishes 1 to 2 weeks earlier. Get this favourite perennial class into the store before any other compact, semi-double yellow Coreopsis.

Plug crop time: 5 to 7 weeks

Transplant to finish: 9 to 12 weeks

- Semi-double, clear golden yellow flowers are the same large, 2.5-in./6-cm size as SunKiss and Early Sunrise, and bigger than Sunfire.
- Great controlled habit with strong flowering.
- Ideal for quart and 1-gallon production in Spring and Summer with 13-hour critical daylength. For 2-gallon and larger containers in Summer, Early Sunrise is the optimal choice.
- Suggested substitution for discontinued Sun Up.

General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|----------|--|-------------------------|-------------------------|-------------------------|
| Sun | Spring, Late Spring, Summer, Late Summer, Autumn | 12-14 in. (30-36 cm) | 12-14 in. (30-36 cm) | 14-16 in. (36-41 cm) |

Germination

| Seed Form | Recommended Plug Size | Seeds/Cell | Plug Crop Weeks | Days to Germinate | Initial Media pH/EC | Cover Seed |
|-----------|-----------------------|------------|-----------------|-------------------|-----------------------------|-------------|
| PRM | 288 128* | 1-2 2-4 | 5-7 7-8 | 3-5 | 5.8-6.2 pH 0.75 mmhos/cm | Light cover |

* Recommend plug size for forcing.

Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|--------------------|--|--|---|---|
| Moisture | Level 4 | Level 3-4 | Level 2-3 | Level 1-2 |
| Temperature | 65-68°F (18-20°C) | 65-68°F (18-20°C) | 60-65°F (16-18°C) | 60-65°F (16-18°C) |
| Light | Optional | 6-8 mol·m ⁻² ·d ⁻¹ | 8-10 mol·m ⁻² ·d ⁻¹ | 8-10 mol·m ⁻² ·d ⁻¹ |
| Fertilizer | Less than 100 ppm N - Less than 0.7 EC | Less than 100 ppm N - Less than 0.7 EC | 100 to 175 ppm N - 0.7 to 1.2 EC | 175 to 225 ppm N - 1.2 to 1.5 EC |

Vernalization

No

Propagation Key Tips

Critical Daylength : 13 hrs.

Short Day (10 hours) bulk needed for forcing

For forcing info: See Perennials Forcing Guide

1-2 seed for 288/3 to 4 for 84.

Plug PGRs: For Spring production, no PGRs needed. For Summer production under long day conditions, can use B-Nine/Alar (1,500 to 2,500 ppm spray). Short day bulk not needed for Autumn sales.

Growing on to Finish

| Growing on Temperature | Target Media pH/EC | Fertilizer | Daylength |
|--|--------------------------------|----------------------------------|-------------------|
| (day) 60-70°F (16-21°C) (night) 55-60°F (13-16°C) | 5.8-6.2 pH 1.2-1.5 mmhos/cm | 175 to 225 ppm N - 1.2 to 1.5 EC | Obligate Long Day |

Daylength Notation

Long Day required; minimum 13 hours

Crop Scheduling

| Crop Type | Container Size | Plugs/Pot | Crop Time | Season | PGR |
|-----------|----------------|-----------|---------------|------------------------------|----------------------------------|
| Annual | 4"/4.5"/Quart | 1 (ppp) | 9-10 (weeks) | Summer, ADT 72°F (22°C) | daminozide 2,500-3,000 ppm Spray |
| Forcing | 4"/4.5"/Quart | 1 (ppp) | 9-10 (weeks) | Late Spring, ADT 72°F (22°C) | daminozide 2,500-3,000 ppm Spray |
| Forcing | 4"/4.5"/Quart | 1 (ppp) | 10-11 (weeks) | Autumn, ADT 72°F (22°C) | daminozide 2,500-3,000 ppm Spray |
| Annual | 5"/6"/1 Gallon | 1-3 (ppp) | 9-11 (weeks) | Summer, ADT 72°F (22°C) | daminozide 2,500-3,000 ppm Spray |
| Forcing | 5"/6"/1 Gallon | 1-3 (ppp) | 10-11 (weeks) | Late Spring, ADT 72°F (22°C) | daminozide 2,500-3,000 ppm Spray |
| Forcing | 5"/6"/1 Gallon | 1-3 (ppp) | 10-11 (weeks) | Autumn, ADT 72°F (22°C) | daminozide 2,500-3,000 ppm Spray |

Fertilizer Notation

Double the Sun has lighter green foliage than other Coreopsis. Option is to use Bittersalt (MgSO₄) at 2gr/ltr in 2-3 sprays from 3-4 weeks after transplant.

Common Problems

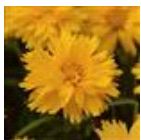
Susceptible to low temperatures (lower than appr. ADT 50°F), can give light brown scar tissue on older leaves. New leaves will overgrow older leaves. If you have cold early season start, consider indoor or protected production.

Finishing Key Tips

Apply PGRs when buds are visible

NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

Variety Pictures



Double the Sun



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PanAmericanSeed™

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