

## Coreopsis Double the Sun

(*Coreopsis grandiflora*)

Perennials Culture (revised 02/14/23)

### The first Coreopsis on the shelf!

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 Summer, it finishes 1 to 2 weeks before the rest. This favourite perennial class can be on store shelves before any other compact, semi-double yellow Coreopsis.

**Plug crop time:** 5 to 7 weeks

**Transplant to finish:** 9 to 10 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.

## 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 from 50% to maximum germination	Initial Media pH/EC (1:2)	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
<b>Moisture</b>	Level 4	Level 3-4	Level 2-3	Level 1-2
<b>Temperature</b>	65-68°F (18-20°C)	65-68°F (18-20°C)	60-65°F (16-18°C)	60-65°F (16-18°C)
<b>Light</b>	Optional	6-8 mol·m <sup>-2</sup> ·d <sup>-1</sup>	8-10 mol·m <sup>-2</sup> ·d <sup>-1</sup>	8-10 mol·m <sup>-2</sup> ·d <sup>-1</sup>
<b>Fertiliser</b>		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)

## Vernalisation

No

## Propagation Key Tips

Critical Daylength: 11 hours for 100% flowering but up to 3 weeks faster flowering at ≥13 hours than shorter photoperiods.

For forcing info: See Perennials Forcing Guide.

1 to 2 seeds 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 (1:2)	Fertiliser	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 11 hours for 100% flowering but up to 3 weeks faster flowering at  $\geq 13$  hours.

## Crop Scheduling

Crop Type	Container Size	Plugs/Pot	Crop Time	Season	PGR
Annual	4"/4.5"/Quart/10 cm	1 (ppp)	9-10 (weeks)	Summer, ADT 72°F (22°C)	daminozide 2,500-3,000 ppm Spray
Forcing	4"/4.5"/Quart/10 cm	1 (ppp)	9-10 (weeks)	Late Spring, ADT 72°F (22°C)	daminozide 2,500-3,000 ppm Spray
Forcing	4"/4.5"/Quart/10 cm	1 (ppp)	10-11 (weeks)	Autumn, ADT 72°F (22°C)	daminozide 2,500-3,000 ppm Spray
Annual	5"/6"/1 Gallon/15 cm	1-3 (ppp)	9-11 (weeks)	Summer, ADT 72°F (22°C)	daminozide 2,500-3,000 ppm Spray
Forcing	5"/6"/1 Gallon/15 cm	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/15 cm	1-3 (ppp)	10-11 (weeks)	Autumn, ADT 72°F (22°C)	daminozide 2,500-3,000 ppm Spray

## Fertiliser Notation

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

## Common Problems

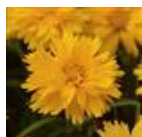
Susceptible to low temperatures (lower than appr. ADT 50°F), can give light brown scar tissue on older leaves. New leaves will overgrow older leaves. If you have cold early season start, consider indoor or protected production.

## 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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