



Sunfinity™ Yellow with Dark Center

syngenta *flowers*®

Sunfinity™ Sunflower

Endless blooms, all season long

Introducing the next generation of sunflowers that offer endless blooms all season long. Unlike traditional sunflowers, these keep on growing long after traditional single-stem sunflowers have bloomed and died.

Go premium with Sunfinity Sunflower

- Sunfinity Sunflower is a breakthrough product in a class that has not seen true consumer-driven innovation in years.
- Our preferred plug producers will allow Syngenta Flowers to play a bigger role in supporting growers to deliver the highest quality plants to retailers across North America.
- Sunfinity Sunflower delivers value along the value chain from plug producers to brokers, growers, retailers and especially consumers.
- Starting with the brand design, artwork, tagline, pot, and tag creation, Syngenta Flowers is fully invested in the successful launch of Sunfinity.
- Sunfinity Sunflower is a simple-to-produce crop which can be finished from late spring to fall across North America



Sunfinity™ Yellow with Dark Center
Product ID: 70052829



Sunfinity™ Sunflower Quick Culture

Tall indeterminate sunflower bred for branching, multiple flowers and large garden habit. Best grown in large premium containers and spaced during production.

Container size: 2.5–3 quart (6- to 8-inch pots), 1.5 gallon and larger patio containers

Habit: Upright

GARDEN SPECIFICATIONS

Garden height: 36–48"

Garden width: 24–36"

Light: Full sun

USDA Hardiness Zone: 11

AHS Heat zone: 12–1

Product use: Beds and large containers

FINISHING

TEMPERATURE:

Day: 70–75 °F (21–24 °C)

Night: 65–68 °F (18–20 °C)

Average daily temperature: 68–75 °F (20–24 °C)

LIGHTING:

Recommended day length: If Sunfinity plugs were propagated under long days (>13 hours) for 4 weeks then finish photoperiod is not critical. If plugs were not propagated under long days then >13 hours or 4-hour night interruption is highly recommended to speed flowering (see [Figure 1](#)).

Light intensity: 3,500–4,500 foot candles (700–900 micro mols)

Day length response: Facultative long day

Daily light integral: 12–20 mols/day

Media pH: 5.5–6.0

Media EC: 1.2–1.75 mS/cm (saturated media extract)

Fertilizer: 150–200 ppm Nitrogen

Pinching: Required to improve branching and control vigor. After 6–7 nodes develop on the stem, pinch shoot tips leaving 4 nodes. The nodes of Sunfinity are opposite so a pinch to 4 nodes would leave 8 leaves. Do not pinch too early to avoid issues with uneven branching. This is a hard pinch — similar to how poinsettias are traditionally pinched (see [Figure 2](#) more information on pinching Sunfinity).

Plant growth regulators (PGRs): Apply 2–3 ppm Bonzi® (paclobutrazol) drench 1–2 weeks after pinching; 2–3 ppm drench at first sign of visible buds; 2 ppm drench when flowers start cracking color to hold for finish. Higher rates may be necessary under high light and temperature conditions.

Pests: Aphid, spider mites, thrips, whitefly, caterpillars

Diseases: *Botrytis*, *Pythium*, *Rhizoctonia*, Powdery Mildew, Downy Mildew, Rust

TECH TIPS:

- Facultative long-day plant. Crop time is 2–4 weeks longer if starting with plugs propagated under short days versus long days (see [Figure 1](#)). For earliest flowering, provide long days, high light levels, and warm temperature.

- Preventive fungicide applications for Powdery Mildew and Downy Mildew are recommended, especially in high humidity environments. Palladium®, Micora® and Segovis® fungicides have all been effective at suppressing pathogens.

- Plants grown outside can attract chewing insects. Preventive insecticides, such as Mainspring® and Flagship® are effective. Avid® insecticide is also recommended for spider mite control when grown in warm, dry conditions. Avid also has the added benefit of caterpillar and whitefly control.

SCHEDULING

Container size	Crop time after transplant (wks) @ 68 °F ADT*	Plants per pot
2.5- to 3-quart pots (6- to 8-inch pots, trade gallon)	7–8	1
1.5- to 2.5-gallon pots (10- to 12-inch pots)	7–8	1–2
3.0-gallon and larger (14-inch pots and larger)	8–9	2–3

*Estimated finish crop time is from transplant of a four week old 72-cell plug tray, propagated under long days, and finished at an average daily temperature (ADT) of 68 °F (20 °C). Crop time is one week faster at an ADT of 73 °F (23 °C) versus 68 °F (20 °C).

For full culture please visit
www.syngentaflowers-us.com

syngenta flowers

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