

culture guide

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: >13 hours or 4-hour night interruption

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: Yes, required to improve branching. Pinch shoot tips 2–3 weeks after transplanting and leave 4–5 leaf nodes below the pinch.

Plant growth regulators (PGRs): Bonzi® (paclobutrazol) drench at 2–3 ppm at 3–4 weeks after transplanting; if needed Bonzi drench at 2–3 ppm to hold size at finish.

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

Diseases: *Botrytis*, *Pythium*, *Rhizoctonia*, *Thielaviopsis*, Powdery Mildew, Downy Mildew, rust

TECH TIPS:

- Facultative long-day plant. Crop time is 3–4 weeks longer if starting with plugs propagated under short days versus long days. For earliest flowering, provide long days, high light levels, and warm temperature.

- Preventative 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. Preventative insecticides, such as Mainspring® and Flagship®, are effective.



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	1-2
1.5- to 2.5-gallon pots (10- to 12-inch pots)	7-8	2-3
3.0-gallon and larger (14-inch pots and larger)	8-9	3-4

*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 two weeks faster at an ADT of 73 °F (23 °C) versus 68 °F (20 °C).