

Sunflower Miss Sunshine F₁

(*Helianthus annuus*)

Potted Plants Culture (revised 02/25/20)

Plug crop time: 2 to 3 weeks

Transplant to finish: 7 to 8 weeks

- Dwarf, golden yellow sunflower is easy and economical to produce, needing fewer PGRs and flowering at a shorter height under short days.
- Pollen-free plants have 3 to 4-in./8 to 10-cm blooms with a fast flush of secondary flowers.
- Perfect for mixed and mono planters.

General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|----------|--------------|-------------------------|-----------------------|------------------------|
| Sun | Summer | 10-16 in. (25-41 cm) | 6-8 in. (15-20 cm) | 6-10 in. (15-25 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 |
|-----------|-----------------------|------------|-----------------|--------------------------------------|-----------------------------|------------|
| TRT | 288 | 1 | 2-3 | 3-5 | 5.5-6.0 pH 0.75 mmhos/cm | Yes |

Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|--------------------|----------------------|---|---|---|
| Moisture | Level 4 | Level 3-4 | Level 3 | Level 2 |
| Temperature | 68-72°F (20-22°C) | 68-72°F (20-22°C) | 64-72°F (18-22°C) | 61-72°F (16-22°C) |
| Light | Optional | 1,000-2,500 f.c. (10,800-26,900 Lux) | 1,000-2,500 f.c. (10,800-26,900 Lux) | 2,500-5,000 f.c. (26,900-53,800 Lux) |
| Fertilizer | | Less than 100 ppm N (Less than 0.7 EC) | 100 to 175 ppm N (0.7 to 1.2 EC) | 100 to 175 ppm N (0.7 to 1.2 EC) |

Propagation Key Tips

Can also be propagated by direct sowing when grown in smaller pots (4-in./10 cm, 4.5-in./11-cm, 5-in./13-cm).

Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertilizer | Daylength |
|--|--------------------------------|-------------------------------------|-----------------------|
| (day) 64-72°F (18-22°C) (night) 61-64°F (16-18°C) | 5.8-6.2 pH 1.5-2.0 mmhos/cm | 100 to 175 ppm N (0.7 to 1.2 EC) | Facultative Short Day |

Daylength Notation

Can flower under different daylengths, but will flower slightly quicker under short days.

Crop Scheduling

| Container Size | Plugs/Pot | Crop Time | Season | PGR |
|----------------------|-----------|-------------|--------|----------------------------------|
| 5"/6"/1 Gallon/15 cm | 1-3 (ppp) | 7-8 (weeks) | Spring | daminozide 1,250-2,500 ppm Spray |
| 5"/6"/1 Gallon/15 cm | 1-3 (ppp) | 6-7 (weeks) | Summer | daminozide 1,250-2,500 ppm Spray |

Finishing Key Tips

Plants grow shorter under short days. Plants will grow taller under longer days when no PGRs are applied. We recommend 1 ppp in 5-in. (13-cm) pots and 1 to 3 ppp in gallon pots.

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



Miss Sunshine

PanAmericanSeed™

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