

Sunflower Jua F₁ Series

(*Helianthus annuus*)

Cut Flowers Culture (revised 02/24/19)

Planting density: 6 to 9 days after seedlings emerge, thin to 4 to 5 plants/ft.² (42 to 52 plant/m²)

Best for: High tunnel, field

Direct sow to finish (200-cell): 8.5 to 10.5 weeks

- Jua varieties are bred to be less sensitive to cultural variations than traditional sunflowers.
- Pollenless, fast-growing plants produce 3.5 to 4.75-in./9 to 14-cm flowers, complemented by smaller, deep green top leaves.
- Very good vase life.
- Height is dependent on culture.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	-	36-60 in. (91-152 cm)	-	-

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
TRT	288 Direct sow	1	2-2.5	2-3	5.8-6.2 pH 0.75 mmhos/cm	Yes

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 3-4	Level 3
Temperature	68-75°F (20-24°C)	65-70°F (18-21°C)	60-65°F (16-18°C)	55-60°F (13-16°C)
Light		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 direct sown in the field and will take about 3 to 5 days to germinate.

Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
Before flower development: (day) 65-85°F (18-29°C) (night) 50-65°F (10-18°C)	5.8-6.5 pH 1.5-2.0 mmhos/cm	100 to 175 ppm N - 0.7 to 1.2 EC	-

Crop Scheduling

Crop Type	Season	Density	Crop Time
-	Summer	4-5 plants/ft ² (43-54 plants/m ²)	8-11 weeks

Finishing Key Tips

Suitable for short and long-day conditions. Bred for best-quality flowers under long-day conditions.

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



Inca



Maya

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