

## Marigold Xochi™ F<sub>1</sub> Series

(*Tagetes erecta*)

Cut Flowers Culture (revised 01/23/21)

A great option for Summer and Fall cut flower programs, Xochi delivers stronger stems and richer colors than competing varieties. Xochi means “flower” or “princess of flowers” and is a shortened version of Xochitl, an ancient Aztec word used in Spanish today, most commonly in Mexico. Xochi offers the uniformity, good shipability and durability to meet the increasing consumer demand for Dia de los Muertos and Halloween celebrations; good for use in bouquets and grower bunches.

### General Information

Cultivation Type	Usage	Stem Length	Timing Group
Tunnel, Field grown	Focal, Secondary	24-36 in. (61-91 cm)	N/A

### 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
COT	288	1	3-4	2-3	6.2-6.5 pH 0.08 mmhos/cm	Yes

### Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
<b>Moisture</b>	Level 4	Level 3-4	Level 3	Level 3
<b>Temperature</b>	70-72°F (21-22°C)	68-72°F (20-22°C)	68-72°F (20-22°C)	65-70°F (18-21°C)
<b>Light</b>	Optional	2,500 f.c. (26,900 Lux)	2,500 f.c. (26,900 Lux)	5,000 f.c. (53,800 Lux)
<b>Fertilizer</b>		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

Maintain soil pH of 6.2 to 6.5 to avoid iron toxicity. Higher temperatures inhibit germination, shorten crop time and cause stretching. Plant growth regulators are not generally required.

### Growing on to Finish

Target Media pH/EC (1:2)	Fertilizer	Daylength
6.2-6.5 pH 1.2-1.5 mmhos/cm	175 to 225 ppm N (1.2 to 1.5 EC)	Facultative Short Day

### Daylength Notation

Will flower quicker with shorter stem length when the daylength is 12 hours or less.

### Crop Scheduling

Cultivation Type	Support	Temperature	Density	Crop Time
Field grown	Not needed	24-32°C/75-90°F (day) 18-21°C/65-70°F (night)	8-10 plants/ft² (86-108 plants/m²)	7-9 weeks
Tunnel	Not needed	-	8-10 plants/ft² (86-108 plants/m²)	7-9 weeks

### Common Problems

Insects: Monitor for Aphids early in production, and for Thrips and Mites at flowering.

## Finishing Key Tips

Take care when handling flowers to avoid snapping flower heads off of stems. Marigolds can be stored either wet or dry at 2-5°C (35-38°F). If storing wet, use a commercial floral holding solution.

## Harvest

For shipping, harvest flowers when blooms are at 7 cm (2.75") in diameter. For local market, harvest stems when first flower is fully open.

## Post Harvest

Take care when handling flowers to avoid snapping flower heads off of stems. Marigolds can be stored either wet or dry at 2-5°C (35-38°F). If storing wet, use a commercial floral holding solution.

## Vase Life

Marigolds have an excellent vase life of 10+ days.

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

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Orange

PanAmericanSeed™

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