

## Cosmos Antiquity

(*Cosmos bipinnatus*)

Annuals Culture (revised 03/14/17)

**Plug crop time:** 4 to 5 weeks

**Transplant to finish:** 6 to 7 weeks

- 2-in./5-cm flowers open rich burgundy and mature to antique bronze-salmon.
- Very early and floriferous.
- Well-suited to 3.5 to 4-in./9 to 10-cm pots.

### General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Spring, Late Spring, Summer, Late Summer, Autumn	20-30 in. (51-76 cm)	12-14 in. (30-36 cm)	12-14 in. (30-36 cm)

### Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
RAW	288	1	4-5	3-5	5.7-5.9 pH 0.3-0.5 mmhos/cm	Yes

### Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
<b>Moisture</b>	Level 4	Level 3-4	Level 2-3	Level 2-3
<b>Temperature</b>	61-65°F (16-18°C)	61-65°F (16-18°C)	61-65°F (16-18°C)	61-65°F (16-18°C)
<b>Light</b>	Optional			
<b>Fertilizer</b>	Less than 100 ppm N - Less than 0.7 EC	Less than 100 ppm N - Less than 0.7 EC	Less than 100 ppm N - Less than 0.7 EC	Less than 100 ppm N - Less than 0.7 EC

### Propagation Key Tips

Can treat the plugs at early Stage 1 with Bonzi at 15 ppm applied as a spray to control early stretch. Daylength extension in the plug stage may be used to prevent premature flowering.

### Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
(day) 65-75°F (18-24°C) (night) 61-65°F (16-18°C)	5.8-6.2 pH 1.0-1.5 mmhos/cm	100 to 175 ppm N - 0.7 to 1.2 EC	Facultative Short Day

### Daylength Notation

Cosmos flowers faster under short days. Daylength extension in the plug stage to more than 12 hours daylength may be used to prevent premature flowering.

### Crop Scheduling

Container Size	Plants/Pot	Crop Time	Season	PGR
4"/4.5"/Quart	1 (ppp)	6-7 (weeks)	Spring	-

## Fertilizer Notation

Reduce N and increase K in fertilization closer to bud stage.

## Common Problems

Insects: Aphids, Thrips

**NOTE:** Growers should use the information presented here as a starting point. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. Chemical and PGR recommendations are only guidelines. It is the responsibility of the applicator to read and follow all the current label directions for the specific chemical being used in accordance with all regulations.

## Variety Pictures

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Antiquity

PanAmericanSeed™

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