GrowerFacts

PanAmerican Seed®

Celosia First Flame™ Series

(Celosia plumosa)

Annuals Culture (revised 12/12/24)

PanAmerican Seed offers you two distinctive types of *C. plumosa* – our shorter Ice Cream series and mid-height First Flame series – to create a winning lineup that meets your bedding and landscape celosia needs.

Plug crop time: 3 to 4 weeks
Transplant to finish: 8 to 10 weeks

- Excellent, brightly coloured Summer crop.
- Mid-height series branches like a regular *C. plumosa* to produce full blooms.
- Uniform across all colours for a fuller look in containers.
- Ideal for Asian and southern markets.
- Makes a great border plant; also good in containers.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Spring, Late Spring, Summer, Late Summer	10-14 in. (25-36 cm)	10-16 in. (25-41 cm)	10-14 in. (25-36 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
PEL	288	1	3-4	2-4	5.8-6.2 pH 0.7-1.2 mmhos/cm	Light cover

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 4	Level 3-4	Level 3-4
Temperature	77°F (25°C)	72-77°F (22-25°C)	68-72°F (20-22°C)	68-72°F (20-22°C)
Light	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)
Fertiliser		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

Don't allow media to dry out. Celosia makes a taproot and is sensitive to root damage. Transplant on time and do not allow seedlings to get rootbound.

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 65-70°F (18-21°C) **(night)** 59-61°F (15-16°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

Crop Scheduling

Container Size	Plugs/Pot	Crop Time	Season	PGR
5"/6"/1 Gallon/15 cm	1 (ppp)	7-10 (weeks)	Spring	-
5"/6"/1 Gallon/15 cm	1 (ppp)	5-7 (weeks)	Summer	-

Fertiliser Notation

Celosia is susceptible to high salt levels.

Finishing Key Tips

First Flame varieties do not need PGRs. If necessary, variety is responsive to B-Nine/Alar (daminozide) spray at 2,000 to 3,000 ppm (2.4 to 3.5 g/l, 85% formulation or 3.1 to 4.7 g/l 64% formulation) depending on weather. Keep media constantly moist to prevent premature flowering. First Flame Purple is around one week faster to flower compared to the rest of the series.

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


Purple


Red


Scarlet


Yellow


Mixture

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