

Celosia plumosa Arrabona

Life cycle	Annual
Family / Origin	Amaranthaceae / Asia
Popular uses	Outdoor containers, pots and suitable for landscape beds and garden
Mature plant height	35-40 cm (14-16")
Mature plant width	25-30 cm (10-12)
Pot size	10-15 cm (4-6")
Plants per pot	1
Sun exposure	Partial shade
Water requirements	Reduced, avoid wet conditions
Flowering time	Entire growing season Frost tender
Media	A well-drained, porous media is best to prevent over watering pH 6.0-6.2 EC 1.0-1.5 (150-225 ppm N)
Growing temperature	Start at 18-20°C (64-68°F) Lower the temperature after rooting at 15-18°C (59-64°F) Avoid wet conditions at night
Light	Celosia is a short-day plant Optimal day length is 12-13 hours for early flowering (until flower buds are visible)
Fertilizer needs	Balanced N:P:K fertilizer as needed recommended; use calcium based fertilizers EC 1.8-2.2 (270-330 ppm N)
Crop time	11-14 weeks
Hardiness zone	N/A



Description

Sturdy and well branched plant habit with an exceptionally long flowering season. Tolerant to drought, loves the heat and humidity

Growth regulators

Daminozide (Dazide B-Nine), Paclobutrazol (Bonzi)

Common diseases

Pythium, Botrytis, Fusarium, Rhizoctonia

Common pests

Thrips, Aphids, Sciara

Pinching

No need

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Plug Production

Seed forms	Raw and Pelleted
Seed count	1.500 seeds/gram (42.500 seeds/oz); varies by lot!
Recommended plug size	480-264
Seeds cell	1
Vermiculite cover	Light
Stage 1 Germination	Germination 7-14 days Moisture: keep medium saturated Maintain relative humidity levels of 90-95% Medium temperature: 22-25°C (72-77°F) Fertilizers: A well-balanced fertilizers, EC 0.5-1.0 (75-150 ppm N)
Stage 2 Stem and cotyledon	Reduce moisture levels to obtain optimum root penetration and to prevent fungal diseases Prevent wet foliage after nightfall. Temperature: 18-20°C (65-68°F) Fertilizers: EC 0.5-1.0 (75-150 ppm N)
Stage 3 Growth and development	Moisture: reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt Temperature: 18-20°C (64-68°F) Fertilization EC 1.2-1.5 (180-225 ppm N)
Stage 4 Ready for transplanting	Moisture: reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt Temperature: 18-20°C (64-68°F) Fertilizers: see stage 3
Plug crop time	4-5 weeks
Approximate finish time	7-9 weeks
Special tips	Celosia is a short-day plant; optimal daylength is 12-13 hours for early flowering With a day length of more than 12 hours, it will take an additional 10 to 14 days before plant starts flowering

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