

Ageratum houstonianum F1 Blue planet (Cut flower)



Life cycle	Annual
Family/origin	Compositae/Mexico, Central America
Popular uses	Cut flower, tall bedding, patio containers
Mature plant height	70-80 cm (28-32")
Mature plant width	25-35 cm (10-14")
Pot size	12-15 cm (5-6") pots, multiples in 20 cm/8" or larger
Plants per pot	1 per 12-15 cm (5-6") pots; 3 per 20 cm/8"
Sun exposure	Full sun or partial shades
Water requirements	Moderate. Growing too dry may result in red-edged or yellow leaves
Flowering time	Entire growing season
Media	Select a well-drained sterile cut flower bed in full sun with a pH of 5.8-6.2 and a low nutrient charge
Growing temperature	Temperature for active growth 15°C (58°F) at night, 16-18°C (60-64°F) at day time
Light	Optimum light level is up to 75,000 lux (7,000 fc)
Fertilizer needs	Well balanced calcium nitrate based formulations work well to build strong and healthy plants Optimum EC 1.5-2.0 (225 to 300 ppm N) Avoid excess nitrogen as it promotes overgrowth, invites disease and reduces vase life
Crop time	12-15 weeks
Hardiness zone	N/A



Blue planet (cut flower)

Single stemmed culture

Space plants 10x10 cm (4x4") apart in beds and provide support netting
Raise netting as the plants grow
Do not pinch the plants

Multiple stemmed culture

Space plants 20x20 cm (8x8") apart and pinch the growing tip to induce side branching. This will result in a heavy crop of high quality cut flowers

Growth regulators

Ageratum responds to: Daminozide (Dazide, B-nine) Chlormequat (Cycocel)

Common diseases

Botrytis blight, Rhizoctonia, Rust, Pythium, Fusarium Powdery mildew

Common pests

Spider mites, Thrips, Aphids and Whitefly

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Plug Production



Seed forms	Raw and pelleted
Seed count	6,000 sds/gr (170,000 sds/oz) <i>Varies by lot!</i>
Recommended plug size	480-288
Seeds cell	1
Vermiculite cover	Do not cover seeds: need light for uniform germination
Stage 1 Germination	Temperature: 20-22°C (68-72°F) growing medium temperature Radicle emergence will occur in 7-10 days, keep media wet Soil: EC 0.5-1 (75-150 ppm N)
Stage 2 Stem and cotyledon	Keep media moist, temperature can to 18°C (64°F) growing medium temperature reduce moisture levels to obtain optimum root penetration and to prevent fungal diseases. Prevent wet foliage after nightfall
Stage 3 Growth and development	Temperature days 18°C (64°F) Fertilizers: EC 0,5-1.0 (75-150 ppm N) Allow to dry slightly between watering without wilting. Water early in the morning to allow foliage to dry before nightfall
Stage 4 Ready for transplanting	Temperature can be dropped to 16-18°C (60-64°F) Lower temperatures and wet conditions may result in poor growth and leaf chlorosis Allow media to dry between watering but avoid wilting EC 0.7-1.2 (100-180 ppm N)
Plug crop time	5-6 weeks
Approximate finish time	For summer production allow 12 weeks from sowing and 15 weeks for winter production. The first flower is usually removed to create a flush of flowers. The flowers should be well-colored before cutting
Special tips	Optimum light level is up to 75,000 lux (7,000 fc) Whitewashing the glass may be necessary May-September to reduce light intensity. Extending the photoperiod in winter to 16 hours is recommended to ensure sufficient stem length and improve flower quality

Ageratum houstonianum F1 Blue planet (Pot plant)



Life cycle	Annual
Family/origin	Compositae/Mexico, Central America
Popular uses	Landscape, tall bedding, patio containers
Mature plant height	70-80 cm (28-32")
Mature plant width	25-35 cm (10-14")
Pot size	12-15 cm (5-6") pots, multiples in 20 cm (8") or larger
Plants per pot	1 per 12-15 cm (5-6") pots 3 per 20 cm (8")
Sun exposure	Full sun or partial shades
Water requirements	Moderate. Growing too dry may result in red-edged or yellow leaves
Flowering time	Entire growing season
Media	Media with good aeration, drainage and water-holding capacity. Medium that will dry regularly between watering's pH of 5.5 to 5.8 EC. 1-1.5 (150-225 ppm N)
Growing temperature	Temperature for active growth 15°C (58°F) at night, 16-18°C (60-64°F) at day time
Light	Planet perform best under moderate to high light levels
Fertilizer needs	Well balanced calcium nitrate based formulations work well to build strong and healthy plants. Optimum EC 1.4-1.8 (210 to 275 ppm N) Avoid excess nitrogen as it promotes overgrowth, invites disease and reduces vase life
Crop time	12-15 weeks
Hardiness zone	N/A



Blue planet

Growth regulators

Ageratum responds to: Daminozide
(Dazide, B-nine) Chlormequat (Cycocel)

Common diseases

Botrytis blight, Rhizoctonia, Rust,
Pythium, Fusarium Powdery mildew

Common pests

Spider mites, Thrips, Aphids and
Whitefly

Pinching

No need but a single pinch is
recommended for a better branching.
Croptime is 1-2 weeks longer

Ageratum houstonianum F1 Blue planet (Pot plant)

Plug Production



Seed forms	Raw and pelleted
Seed count	6,000 sds/gr (170,000 sds/oz) <i>Varies by lot!</i>
Seeds cell	1
Vermiculite cover	Do not cover seeds: need light for uniform germination
Stage 1 Germination	Temperature: 20-22°C (68-72°F) growing medium temperature Radicle emergence will occur in 7-10 days. Keep media wet
Stage 2 Stem and cotyledon	Keep media moist, temperature can to 18°C (64°F) growing medium temperature reduce moisture levels to obtain optimum root penetration and to prevent fungal diseases. Prevent wet foliage after nightfall
Stage 3 Growth and development	Temperature days 18°C (64°F) Fertilizers: EC 0.5-1.0 (75-150 ppm N) Allow to dry slightly between watering without wilting. Water early in the morning to allow foliage to dry before nightfall
Stage 4 Ready for transplanting	Temperature can be dropped to 16-18°C (60-64°F) Lower temperatures and wet conditions may result in poor growth and leaf chlorosis. Allow media to dry between watering but avoid wilting EC 0.7-1.2 (100-180 ppm N)
Plug crop time	5-6 weeks
Approximate finish time	6-8 weeks
Special tips	Moisture: allow media to dry between watering. Allow to dry slightly between waterings without wilting. Water early in the morning to allow foliage to dry before nightfall. Drought stress causes leaf burn Optimum light level is 19.000-23.000 lux (1800-2200 fc) Long days (>14 hrs) will promote early flowering