GrowerFacts

PanAmericanSeed®

Dianthus Amazon™ F_1 Series

(Dianthus barbatus interspecific)

Cut Flowers Culture (revised 02/20/23)

Versatile and programmable, Amazon can be produced year-round without vernalisation and is the best dianthus for warmer production seasons. Whether you're looking for a high-appeal filler for bouquets or an exceptional product for grower bunches, Amazon is the one you want!

General Information

Cultivation Type	Usage	Stem Length	Timing Group
Greenhouse, Tunnel	Filler, Secondary	18-36 in. (46-91 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
PEL	288	1	4-5	3-4	5.8-6.2 pH 0.75 mmhos/cm	Yes

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 3-4	Level 3
Temperature	64-68°F (18-20°C)	65-70°F (18-21°C)	60-65°F (16-18°C)	60-65°F (16-18°C)
Light	Light	5-8 $mol \cdot m^{-2} \cdot d^{-1}$	8-10 $mol \cdot m^{-2} \cdot d^{-1}$	10 $mol \cdot m^{-2} \cdot d^{-1}$
Fertiliser		Less than 100 ppm N (Less than 0.7 EC)	Less than 100 ppm N (Less than 0.7 EC)	100 to 175 ppm N (0.7 to 1.2 EC)
PGR			paclobutrazol/4-6 ppm/Spray	

Fertiliser Notation

After plugs are established, apply 200 ppm calcium nitrate per week.

Propagation Key Tips

A small percentage (3 to 5%) of early off-types can be observed with Amazon dianthus at 4 to 5 weeks from sowing. These plants should be removed/discarded at transplant.

Growing on to Finish

Target Media pH/EC (1:2)	Fertiliser	Daylength
5.8-6.5 pH 1.5-2.0 mmhos/cm	175 to 225 ppm N (1.2 to 1.5 EC)	Facultative Long Day

Daylength Notation

Best results are achieved when plants are grown in full sun or in a high-light greenhouse. The combination of high light with high heat will result in shorter stems.

Crop Scheduling

Cultivation Type	Support	Temperature	Density	Crop Time
Tunnel	Required	16-22°C/60-72°F (day) 10-16°C/50-60°F (night)	3-4 plants/ft² (32-43 plants/m²)	14-18 weeks

Common Problems

In outdoor production, a preventative rust program is recommended.

Finishing Key Tips

Transplant directly into ground beds approximately 5 weeks after sowing, spacing 30 to 40 plants per sq. m. (approximately 3 to 4 plants per sq. ft.). If main stem is pinched on Amazon dianthus, then space at 1.5 plants per net sq. ft. (approximately 15 plants per net sq. m). A single layer of support netting is recommended. A small percentage (3 to 5%) of early off-types can be observed with Amazon dianthus at 4 to 5 weeks from sowing. These plants should be removed/discarded at transplant.

Harvest

Harvest stems when 50% of florets have opened.

Post Harvest

Dianthus are sensitive to ethylene; it is recommended to treat with an ethylene-inhibiting product. Hydrate and store in a cooler at 1-3°C (34-38°F) in commercial floral holding solution at the manufacturer recommended rates.

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

Lavender Magic

Neon Cherry

Neon Duo

Neon Purple

Rose Magic

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