GrowerFacts

PanAmericanSeed®

Dianthus Dynasty F_1 Series

(Dianthus barbatus interspecific)

Annuals Culture (revised 01/14/21)

Plug crop time: 4 to 5 weeks
Transplant to finish: 8 to 9 weeks

- Very well-branched, upright and strong-stemmed, these excellent landscape and garden performers double as a great backyard cut flower.
- Fast-blooming plants respond well to growth regulators applied for potted plant height and tighter umbels.
- Performs as a perennial in USDA Hardiness Zones 6a to 9b (-10 to 25°F/-23 to -4°C minimum temperature).

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Early Spring, Spring, Autumn	16-20 in. (41-51 cm)	10 in. (25 cm)	10-12 in. (25-30 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	5-6	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 2-3	Level 2-3
Temperature	64-68°F (18-20°C)	65-70°F (18-21°C)	60-65°F (16-18°C)	55-60°F (13-16°C)
Light	Optional	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)	100 to 175 ppm N (0.7 to 1.2 EC)	175 to 225 ppm N (1.2 to 1.5 EC)
PGR		paclobutrazol/5 ppm/Spray	paclobutrazol/5 ppm/Spray	

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 60-72°F (16-22°C) **(night)** 50-60°F (10-16°C)	5.8-6.2 pH 1.5-2.0 mmhos/cm	100 to 175 ppm N (0.7 to 1.2 EC)	Facultative Long Day

Crop Scheduling

Container Size	Plugs/Pot	Crop Time	Season	PGR
306 Pack/1801	1 (ppp)	8-9 (weeks)	Late Spring	paclobutrazol 15-20 ppm Spray
4"/4.5"/Quart/10 cm	1 (ppp)	8-9 (weeks)	Late Spring	paclobutrazol 15-20 ppm Spray
5"/6"/1 Gallon/15 cm	1-3 (ppp)	8-9 (weeks)	Late Spring	paclobutrazol 15-20 ppm Spray

Fertiliser Notation

When grown in the greenhouse, begin fertilizing the crop with 150 ppm N once a week starting a week after transplant. The plants may require additional fertilization when grown outside. If necessary, treat with a foliar spray of calcium or a calcium nitrate fertilizer supplying 150 ppm N.

Common Problems

Insects: Watch for Aphid infestations during early growth stages.

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

Orchid

Pink Magic

Purple

Red

Rose Lace

Mixture

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