

## Dianthus Dynasty F<sub>1</sub> 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.<br>(41-51 cm) | 10 in.<br>(25 cm) | 10-12 in.<br>(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<br>0.75 mmhos/cm | Yes        |

### Plug Production

|                    | Stage 1              | Stage 2                                   | Stage 3                                   | Stage 4                                 |
|--------------------|----------------------|---|---|---|
| <b>Moisture</b>    | Level 4              | Level 3-4                                 | Level 2-3                                 | Level 2-3                               |
| <b>Temperature</b> | 64-68°F<br>(18-20°C) | 65-70°F<br>(18-21°C)                      | 60-65°F<br>(16-18°C)                      | 55-60°F<br>(13-16°C)                    |
| <b>Light</b>       | Optional             | 5-8 mol·m <sup>-2</sup> ·d <sup>-1</sup>  | 8-10 mol·m <sup>-2</sup> ·d <sup>-1</sup> | 10 mol·m <sup>-2</sup> ·d <sup>-1</sup> |
| <b>Fertiliser</b>  |                      | Less than 100 ppm N<br>(Less than 0.7 EC) | 100 to 175 ppm N<br>(0.7 to 1.2 EC)       | 175 to 225 ppm N<br>(1.2 to 1.5 EC)     |
| <b>PGR</b>         |                      | 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)<br>(night) 50-60°F (10-16°C) | 5.8-6.2 pH<br>1.5-2.0 mmhos/cm | 100 to 175 ppm N<br>(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

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Orchid



Pink Magic



Purple



Red



Rose Lace



White Blush



Mixture



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