

## Dianthus Floral Lace™ F<sub>1</sub> Series

(*Dianthus chinensis x barbatus*)

Annuals Culture (revised 01/17/22)

**Plug crop time:** 4 to 5 weeks

**Transplant to finish:** 4 to 5 weeks

- Early flowering with the largest blooms of any *D. chinensis x barbatus* – up to 1.5 in./4 cm across.
- Performs well in gardens under tough conditions as an annual or biennial.
- Good for high-density Spring and Autumn pack or small pot programs.
- Bright green leaves.

### General Information

| Exposure | Bloom Season                 | Height                 | Spread           | Spacing                |
|----------|------------------------------|------------------------|------------------|------------------------|
| Sun      | Early Spring, Spring, Autumn | 8-10 in.<br>(20-25 cm) | 8 in.<br>(20 cm) | 8-10 in.<br>(20-25 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, RAW  | 288                   | 1          | 4-6             | 3-5                                  | 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 | 175 to 225 ppm N<br>(1.2 to 1.5 EC) | Facultative Long Day |

### Crop Scheduling

| Container Size      | Plugs/Pot | Crop Time    | Season      | PGR                           |
|---------------------|-----------|--------------|-------------|-------------------------------|
| Cell Pack           | 1 (ppp)   | 8-10 (weeks) | Late Spring | paclobutrazol 15-20 ppm Spray |
| 4"/4.5"/Quart/10 cm | 1 (ppp)   | 8-10 (weeks) | Late Spring | paclobutrazol 15-20 ppm Spray |

### Fertiliser Notation

Fertilize every other irrigation with 15-0-15 at 150 to 200 ppm nitrogen.

### Common Problems

Insects: Aphids, Thrips Diseases: Alternaria, Rust

## Finishing Key Tips

Height can be controlled by withholding fertilizer, especially phosphorus and ammonium-form nitrogen. Dianthus are responsive to day/night temperature differential (DIF), and are shorter with a negative DIF.

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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Cherry



Crimson



Lilac



Picotee



Purple



Red



True Rose



Violet Picotee



White



Mixture



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