

## Dianthus Amazon™ F<sub>1</sub> Series

(*Dianthus barbatus interspecific*)

Cut Flowers Culture (revised 02/24/19)

### Dependable performance...by the bunch!

Versatile and programmable, Amazon can be produced year-round and is the best dianthus you can grow for Summer production. Whether you're looking for a high-appeal filler for bouquets or an exceptional product for monoculture bunches, Amazon is the one you want!

**Planting density:** 3 to 4 plants/ft.<sup>2</sup> (30 to 40 plants/m<sup>2</sup>) for Non-Pinched crop; 1.5 plants/ft.<sup>2</sup> (15 plants/m<sup>2</sup>) for Pinched crop

**Best for:** Greenhouse, high tunnel, field

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

**Transplant to finish:** Late Spring/Summer greenhouse/field, 11 to 14 weeks; Late Summer/Winter greenhouse, 12 to 18 weeks; Field, 18 to 23 weeks

- High yields of saleable stems.
- No vernalisation is needed for flowering.
- As a Winter greenhouse crop, height is up to 36 in./91 cm, with tallest growth from early Autumn-transplanted plants.

## General Information

| Exposure | Bloom Season   | Height                  | Spread                  | Spacing                 |
|----------|--|-------------------------|-------------------------|-------------------------|
| Sun      | Early Spring, Late Spring, Summer, Late Summer, Autumn | 18-36 in.<br>(46-91 cm) | 10-12 in.<br>(25-30 cm) | 10-14 in.<br>(25-36 cm) |

## Germination

| Seed Form | Recommended Plug Size | Seeds/Cell | Plug Crop Weeks | Days to Germinate | Initial Media pH/EC         | Cover Seed |
|-----------|-----------------------|------------|-----------------|-------------------|-----------------------------|------------|
| PEL       | 288                   | 1          | 4-5             | 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 3-4                                 | Level 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)                      | 60-65°F<br>(16-18°C)                    |
| <b>Light</b>       | Light                | 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>Fertilizer</b>  |                      | 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        |
| <b>PGR</b>         |                      |  | paclobutrazol/4-6 ppm/Spray               |   |

### Fertilizer 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

| Growing on Temperature  | Target Media pH/EC             | Fertilizer                       | Daylength            |
|---|--------------------------------|----------------------------------|----------------------|
| <b>Before flower development:</b><br><b>(day)</b> 60-72°F (16-22°C)<br><b>(night)</b> 50-60°F (10-16°C) | 5.8-6.5 pH<br>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

| Crop Type | Season | Density   | Crop Time   |
|-----------|--------|---|-------------|
| -         | Spring | 3-4 plants/ft <sup>2</sup> (32-43 plants/m <sup>2</sup> ) | 12-18 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 3 to 4 plants per net sq. ft. (approximately 30 to 40 plants per net sq. m). 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.

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



Neon Cherry



Neon Duo



Neon Purple



Rose Magic

PanAmericanSeed™

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