# GrowerFacts

PanAmericanSeed®

## Dianthus Ideal Select™ $F_1$ 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

- Well-matched habit and tight flowering window let you bench run and ship all together.
- Early-flowering series is good as an annual or biennial.
- Well-suited to high-density small pack or pot programs for Spring and Autumn sales.

## 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 |
|---|---|---|---|---|
| **Moisture** | Level 4 | Level 3-4 | Level 2-3 | Level 2-3 |
| **Temperature** | 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) |
| **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<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) |
| **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)<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 |
|---|---|---|---|---|
| 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 |
| 5"/6"/1 Gallon/15 cm | 3 (ppp) | 8-10 (weeks) | Late Spring | paclobutrazol 15-20 ppm Spray |

### Fertiliser Notation

After plants are established, apply a calcium-based fertilizer or 15-5-15 at 150 ppm, 1 to 2 times per week. Dianthus require adequate calcium in their fertilization program.

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

Raspberry

Red

Rose

Violet

White

WhiteFire

Mixture

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