

## Dianthus Ideal Select™ F<sub>1</sub> Series

(*Dianthus chinensis x barbatus*)

Annuals Culture (revised 08/13/19)

**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. (20-25 cm)	8 in. (20 cm)	8-10 in. (20-25 cm)

### Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
PEL, RAW	288	1	4-6	3-5	5.8-6.2 pH 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 (18-20°C)	65-70°F (18-21°C)	60-65°F (16-18°C)	55-60°F (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>Fertilizer</b>	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
<b>PGR</b>	paclobutrazol/5 ppm/Spray		paclobutrazol/5 ppm/Spray	

### Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
<b>(day)</b> 60-72°F (16-22°C) <b>(night)</b> 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
Cell Pack	1 (ppp)	4-5 (weeks)	Late Spring	paclobutrazol 15-20 ppm Spray
4"/4.5"/Quart	1 (ppp)	4-5 (weeks)	Late Spring	paclobutrazol 15-20 ppm Spray
5"/6"/1 Gallon	3 (ppp)	4-5 (weeks)	Late Spring	paclobutrazol 15-20 ppm Spray

### Fertilizer 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.

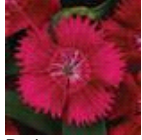
NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility 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

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Raspberry



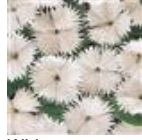
Red



Rose



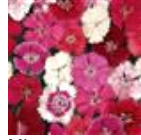
Violet



White



WhiteFire



Mixture

PanAmericanSeed™

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