

Delphinium Blue Donna

(*Delphinium x belladonna*)

Cut Flowers Culture (revised 01/10/18)

Plug crop time: 5 to 6 weeks

Transplant to finish: 12 to 16 weeks

- True blue Delphinium has improved uniformity and colour, increased productivity and more stems per sq. ft./sq. m.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Late Spring, Summer, Late Summer	32-40 in. (81-102 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
RAW	288	1	6-8	7-10	5.8-6.2 pH 0.75 mmhos/cm	Yes

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3	Level 2-3	Level 2
Temperature	68-72°F (20-22°C)	65-68°F (18-20°C)	65-68°F (18-20°C)	60-65°F (16-18°C)
Light	Optional	2,000-2,500 f.c. (21,500-26,900 Lux)	6-8 mol·m ⁻² ·d ⁻¹ 2,000-2,500 f.c. (21,500-26,900 Lux)	6-8 mol·m ⁻² ·d ⁻¹ 4,000-5,000 f.c. (43,100-53,800 Lux)
Fertilizer	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	100 to 175 ppm N - 0.7 to 1.2 EC

Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
Autumn: (day) 63-68°F (17-20°C) (night) 53-58°F (12-14°C) Spring: (day) 65-68°F (18-20°C) (night) 53-58°F (12-14°C) Summer: (day) 65-68°F (18-20°C) (night) 53-58°F (12-14°C)	5.8-6.5 pH 1.0-1.3 mmhos/cm	100 to 175 ppm N - 0.7 to 1.2 EC	Facultative Long Day

Crop Scheduling

Crop Type	Season	Density	Crop Time
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Finishing Key Tips

Planting density: Annual greenhouse production = 12 to 16 plants/m². Annual field production = 16 to 18 plants/m². Perennial field production = 9 plants/m². Do not pinch. Fertilize frequently with well-balanced fertilizer. Avoid ratio N:K larger than 2. Irrigation: overhead only first 4 to 6 weeks, then use drip. Needs medium to high irrigation, but keep plants dry and low RH. Prefers high light conditions. Cut stems 6 in. (15 cm) above ground to prevent Root Rot. Harvest when 25 to 30% of flowers are open. For annual cycle: from early transplant (January/February); first harvest after 12 to 15 weeks; then next 1 or 2 each 5 to 6 weeks later. Second and third harvests give best quality stems.

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 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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