# GrowerFacts

PanAmerican Seed®

## Digitalis Dalmatian $F_1$ Series

*(Digitalis purpurea)*

Perennials Culture (revised 10/14/25)

**Bright display drives early sales**

Be fast to market with this attractive Digitalis in an exciting array of colours customers will love! Dalmatian offers uniformity, a full habit and early flowering, making it an ideal premium end cap product in larger containers. Get the series that's easier for shoppers to spot!

**Plug crop time:** 5 to 6 weeks
**Transplant to finish:** 10 to 14 weeks

- Uniform in height and early flowering.
- Well-branched with excellent habit and compact foliage.
- Striking colours on good-quality spikes.
- Suitable for 1 and 2 gallons and up.
- Premium end cap product.

## General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|---|---|---|---|---|
| Sun | Late Spring, Summer | 16-20 in.<br>(41-51 cm) | 12-14 in.<br>(30-36 cm) | 12 in.<br>(30 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 | 288<br>128* | 1<br>3 | 5-6<br>6-7 | 5-6 | 5.8-6.2 pH<br>0.7-1.0 mmhos/cm | No |

* Recommend plug size for forcing.

## Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|---|---|---|---|---|
| **Moisture** | Level 4 | Level 3 | Level 3 | Level 2 |
| **Temperature** | 65-68°F<br>(18-20°C) | 65-68°F<br>(18-20°C) | 60-65°F<br>(16-18°C) | 60-65°F<br>(16-18°C) |
| **Light** | Light | 2,000-2,500 f.c.<br>(21,500-26,900 Lux) | 2,000-2,500 f.c.<br>(21,500-26,900 Lux) | 4,000-5,000 f.c.<br>(43,100-53,800 Lux) |
| **Fertiliser** | | Less than 100 ppm N<br>(Less than 0.7 EC) | 100 to 175 ppm N<br>(0.7 to 1.2 EC) | 100 to 175 ppm N<br>(0.7 to 1.2 EC) |
| **PGR** | | daminozide/2,000 ppm/Spray<br>paclobutrazol/5 ppm/Spray<br>uniconazole/3 ppm/Spray | daminozide/2,000 ppm/Spray<br>paclobutrazol/5 ppm/Spray<br>uniconazole/3 ppm/Spray | daminozide/2,000 ppm/Spray<br>paclobutrazol/5 ppm/Spray<br>uniconazole/3 ppm/Spray |

### Vernalisation

No

### Propagation Key Tips

Critical Daylength: 14 hours.
Short day (10 hours) bulk needed for forcing.
For forcing info: See Perennials Forcing Guide.
Spray damp-off fungicide.

## Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertiliser | Daylength |
|---|---|---|---|
| **(day)** 60-68°F (16-20°C)<br>**(night)** 50-65°F (10-18°C) | 5.8-6.2 pH<br>1.0-1.5 mmhos/cm | 175 to 225 ppm N<br>(1.2 to 1.5 EC) | Facultative Long Day |

### Daylength Notation

Daylength: 14 hours.

## Crop Scheduling

| Crop Type | Container Size | Plugs/Pot | Crop Time | Season | PGR |
|---|---|---|---|---|---|
| Forcing | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 12-13 (weeks) | Late Spring, ADT 68°F (20°C) | paclobutrazol 2-3 ppm Drench |
| Annual | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 10-12 (weeks) | Summer, ADT 68°F (20°C) | uniconazole 5 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 10-12 (weeks) | Summer, ADT 68°F (20°C) | daminozide 2,500-3,500 ppm Spray |
| Forcing | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 12-13 (weeks) | Late Spring, ADT 68°F (20°C) | daminozide 2,500-3,500 ppm Spray |
| Forcing | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 12-13 (weeks) | Late Spring, ADT 68°F (20°C) | paclobutrazol 5-10 ppm Spray |
| Forcing | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 12-13 (weeks) | Late Spring, ADT 68°F (20°C) | uniconazole 1 ppm Drench |
| Annual | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 10-12 (weeks) | Summer, ADT 68°F (20°C) | paclobutrazol 5-10 ppm Spray |
| Forcing | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 12-13 (weeks) | Late Spring, ADT 68°F (20°C) | daminozide 2,500-3,500 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 1-2 (ppp) | 10-12 (weeks) | Summer, ADT 68°F (20°C) | paclobutrazol 2-3 ppm Drench |
| Annual | 8"/2 Gallon/20 cm | 3-4 (ppp) | 10-12 (weeks) | Summer | paclobutrazol 5-10 ppm Spray |
| Annual | 8"/2 Gallon/20 cm | 3-4 (ppp) | 10-12 (weeks) | Summer | uniconazole 5 ppm Spray |
| Annual | 8"/2 Gallon/20 cm | 3-4 (ppp) | 10-12 (weeks) | Summer | daminozide 2,500-3,000 ppm Spray |
| Forcing | 8"/2 Gallon/20 cm | 3-4 (ppp) | 12-13 (weeks) | Late Spring, ADT 68°F (20°C) | paclobutrazol 5-10 ppm Spray |
| Forcing | 8"/2 Gallon/20 cm | 3-4 (ppp) | 12-13 (weeks) | Late Spring, ADT 68°F (20°C) | uniconazole 5 ppm Spray |
| Forcing | 8"/2 Gallon/20 cm | 3-4 (ppp) | 12-13 (weeks) | Late Spring, ADT 68°F (20°C) | daminozide 2,500-3,500 ppm Spray |

### Fertiliser Notation

Apply constant fertiliser at rate 1 to 2 (75 to 100 ppm N/0.5 to 0.7 mmhos/cm EC). Maintain the pH at 5.8 to 6.2. A pH of 7 or higher may cause younger leaf yellowing, short plants and stress flowering.

### Common Problems

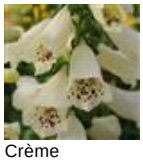
Insects: Aphids, Thrips, Whiteflies Disease: Botrytis, Downy Mildew, Leafspot

### Finishing Key Tips

Digitalis can be grown under high light, provided there is enough moisture. Monitor media EC when generative and maintain levels. Avoid drying out, as this could cause flower abortion.

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


Crème


Peach


Purple


Rose


White


Mixture

PanAmerican Seed Co.
622 Town Road,West Chicago, Illinois, USA, 60185
**+1 800-231-7065 PanAmSeed.com**

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