# GrowerFacts

PanAmerican Seed®

## Campanula Rapido $F_1$ Series

*(Campanula carpatica)*

Perennials Culture (revised 01/20/21)

**Plug crop time:** 7 to 10 weeks
**Transplant to finish:** 9 to 12 weeks

- Earliest *C. carpatica* – up to 4 weeks earlier than other varieties.
- Delivers good young plant and finished plant vigour, while maintaining compact habit.
- Very short harvest window.
- Showy Spring perennial is ideal for high-volume bench run potted plant programs for 4-in./10-cm pots or gallons.
- Versatile – suited to patio planters and gardens, as well as an indoor novelty potted plant.

## General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|---|---|---|---|---|
| Partial Sun, Sun | Spring, Late Spring, Summer | 5-7 in.<br>(13-18 cm) | 5-8 in.<br>(13-20 cm) | 12-14 in.<br>(30-36 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* | 4<br>4 | 7-10<br>12-13 | 7-9 | 5.8-6.2 pH<br>0.75 mmhos/cm | No |

* Recommend plug size for forcing.

## Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|---|---|---|---|---|
| **Moisture** | Level 4-5 | Level 3-4 | Level 3 | Level 2 |
| **Temperature** | 65-72°F<br>(18-22°C) | 65-68°F<br>(18-20°C) | 60-65°F<br>(16-18°C) | 60-65°F<br>(16-18°C) |
| **Light** | Optional | 6-8 $mol \cdot m^{-2} \cdot d^{-1}$ | 6-8 $mol \cdot m^{-2} \cdot d^{-1}$ | 6-8 $mol \cdot m^{-2} \cdot d^{-1}$ |
| **Fertiliser** | | Less than 100 ppm N<br>(Less than 0.7 EC) | Less than 100 ppm N<br>(Less than 0.7 EC) | 100 to 175 ppm N<br>(0.7 to 1.2 EC) |

### Vernalisation

No

### Propagation Key Tips

Avoid high EC in early plug stage – maximum 0.5 in Stages 1 and 2. Grow at less than 13 hours to keep vegetative. Spray damp-off fungicide.

For forcing info: See Perennials Forcing Guide

## Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertiliser | Daylength |
|---|---|---|---|
| **(day)** 65-68°F (18-20°C)<br>**(night)** 55-60°F (13-16°C) | 5.6-6.2 pH<br>1.0-1.3 mmhos/cm | 100 to 175 ppm N<br>(0.7 to 1.2 EC) | Obligate Long Day |

### Daylength Notation

Long day required (14 hours or 4-hour NI) until buds are visible.

## Crop Scheduling

| Crop Type | Container Size | Plugs/Pot | Crop Time | Season | PGR |
|---|---|---|---|---|---|
| Annual | 4"/4.5"/Quart/10 cm | 1 (ppp) | 12-14 (weeks) | Late Spring | chlormequat chloride 750 ppm Spray |
| Annual | 4"/4.5"/Quart/10 cm | 1 (ppp) | 12-14 (weeks) | Late Spring | daminozide 2,000-2,500 ppm Spray |
| Annual | 4"/4.5"/Quart/10 cm | 1 (ppp) | 9-12 (weeks) | Summer | chlormequat chloride 750 ppm Spray |
| Annual | 4"/4.5"/Quart/10 cm | 1 (ppp) | 9-12 (weeks) | Summer | daminozide 2,000-2,500 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 3-5 (ppp) | 12-14 (weeks) | Late Spring | chlormequat chloride 750 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 3-5 (ppp) | 12-14 (weeks) | Late Spring | daminozide 2,000-2,500 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 3-5 (ppp) | 9-12 (weeks) | Summer | chlormequat chloride 750 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 3-5 (ppp) | 9-12 (weeks) | Summer | daminozide 2,000-2,500 ppm Spray |

### Fertiliser Notation

Moderate fertilization needed. Apply fertilizer rate 2 (100 to 175 ppm N).

### Common Problems

Insects: Aphids, Spider Mites and Thrips. Diseases: Botrytis and Crown/Root Rots caused by Pythium or Rhizoctonia. Needs average irrigation; avoid both too dry and too wet conditions.

### Finishing Key Tips

Moist, well-drained medium. Growing too cool delays both plug and finished plant. Long day Summer decreases plant bulk. Use more plugs per container compared to Spring.

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


Blue


White

PanAmerican Seed Co.
622 Town Road,West Chicago, Illinois, USA, 60185-2698
**+1 800-231-7065 PanAmSeed.com**

™ denotes a trademark of and ® denotes a registered trademark of Ball Horticultural Company in the US. It may also be registered in other countries.
©2024 Ball Horticultural Company