

## Campanula Rapido F<sub>1</sub> Series

(*Campanula carpatica*)

Perennials Culture (revised 03/06/19)

**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. (13-18 cm)	5-8 in. (13-20 cm)	12-14 in. (30-36 cm)

### Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
PEL	288 128*	4 4	7-10 12-13	7-9	5.8-6.2 pH 0.75 mmhos/cm	No

\* Recommend plug size for forcing.

### Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
<b>Moisture</b>	Level 4-5	Level 3-4	Level 3	Level 2
<b>Temperature</b>	65-72°F (18-22°C)	65-68°F (18-20°C)	60-65°F (16-18°C)	60-65°F (16-18°C)
<b>Light</b>	Optional	6-8 mol·m <sup>-2</sup> ·d <sup>-1</sup>	6-8 mol·m <sup>-2</sup> ·d <sup>-1</sup>	6-8 mol·m <sup>-2</sup> ·d <sup>-1</sup>
<b>Fertilizer</b>	Less than 100 ppm N - Less than 0.7 EC	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

### Vernalization

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	Fertilizer	Daylength
(day) 65-68°F (18-20°C) (night) 55-60°F (13-16°C)	5.6-6.2 pH 1.0-1.3 mmhos/cm	100 to 175 ppm N - 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	1 (ppp)	12-14 (weeks)	Late Spring	chlormequat chloride 750 ppm Spray
Annual	4"/4.5"/Quart	1 (ppp)	12-14 (weeks)	Late Spring	daminozide 2,000-2,500 ppm Spray
Annual	4"/4.5"/Quart	1 (ppp)	9-12 (weeks)	Summer	chlormequat chloride 750 ppm Spray
Annual	4"/4.5"/Quart	1 (ppp)	9-12 (weeks)	Summer	daminozide 2,000-2,500 ppm Spray
Annual	5"/6"/1 Gallon	3-5 (ppp)	12-14 (weeks)	Late Spring	chlormequat chloride 750 ppm Spray
Annual	5"/6"/1 Gallon	3-5 (ppp)	12-14 (weeks)	Late Spring	daminozide 2,000-2,500 ppm Spray
Annual	5"/6"/1 Gallon	3-5 (ppp)	9-12 (weeks)	Summer	chlormequat chloride 750 ppm Spray
Annual	5"/6"/1 Gallon	3-5 (ppp)	9-12 (weeks)	Summer	daminozide 2,000-2,500 ppm Spray

### Fertilizer 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

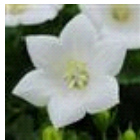
Moist, well-drained medium. Growing too cool delays both plug and finished plant. Long day Summer decreases plant bulk. Use more plugs per container compared to Spring.

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

PanAmericanSeed™

PanAmerican Seed Co.  
622 Town Road, West Chicago, Illinois, USA, 60185-2698  
630 231-1400 Fax: 630 231-3609 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.  
©2019 Ball Horticultural Company