



Crop	Campanula
Series	Appeal
Botanical name	<i>Campanula medium</i>
Plant type	Annual
Seed type	Pelleted
Seed count	700 seeds / gr
Germination	18-20°C light favored
Growing	13-15°C
Optimum pH	5.8-6.2

Plug Culture: 5 weeks (288 cell tray)

Stage 1 (days 1-10) Single sow pelleted seed into a 288-plug tray using a sterile and well-drained media. Cover the seed lightly with vermiculite and maintain high humidity and enough moisture to break the pellet. Optimum germination temperature is 18-20°C. For the highest germination, maintain an even temperature of 20°C for 4 days after sowing.

Stage 2 (days 11-21) After the seedlings emerge, place the plug trays in a bright and cool greenhouse with good air circulation. Apply a light feed of 100 ppm nitrogen using a well-balanced fertilizer. Maintain moderate air temperatures, 20-22°C, to avoid stress and prevent rosette.

Stage 3 (days 22-34) Seedlings are beginning to fill in the plug tray. Fertilize as needed to maintain a media EC of 0.26-0.75 mS/cm (1:2 slurry) using a well-balanced fertilizer. The use of a calcium nitrate-based fertilizer is beneficial in helping to build strong and healthy transplants.

Stage 4 Seedlings should now have 2-3 true leaves and are now ready to transplant into pots.

Transplanting to finish: 14 weeks

Days 36-56 (3 weeks) Place one plant per 15 cm pot using a well-drained organic media. Grow the plants at 20°C for three weeks to establish. Fertilize the pots weekly with 150 ppm of a well-balanced calcium nitrate-based fertilizer.

Days 57-70 (2 weeks) The plants are established and ready for flower bud initiation. Drop the temperature to 10-12°C and provide long day treatment for 2 weeks (total 16-hour day length). Night interruption from 10 pm to 2 am works well using mum lighting. For fuller pots and a rounder look make a soft pinch as the plants begin to elongate vertically.

Days 71-98 (4 weeks) Maintain cool temperatures of 10-12°C but stop day length manipulation (turn off the lights). This will help keep the plants more compact and promote better branching. Campanula Appeal is naturally dwarf but applying plant growth regulators 2 weeks after stopping long day treatment promotes a more compact plant.

Days 99-133 (5 weeks) Raise the temperature to 15°C.

Day 134 (19 weeks from sowing) Pots should begin flowering. Pots can be sold in the bud stage (big and puffy) as the buds will open nicely indoors; especially if placed near a lamp or bright window.

Note: Sowing schedule is totally dependent upon the ability to maintain optimum temperatures. In mid to late spring the longer photoperiod, higher light levels and warmer temperatures will accelerate flowering.

All information given is intended for general guidance only and may have to be adjusted to meet individual needs. Cultural details are based on Asian conditions such as in Japan and Sakata cannot be held responsible for any crop damage related to the

*information given herein. Always follow
manufacturer's label instructions. Testing a few plants
prior to treating the entire crop is best.*