

Campanula medium annuum

F1 Champion II



Excellent, Trendy, Popular! Champion is a well-known and popular cut flower series, with an excellent vase life.

- ✿ Annual blooming habit; only requires day length manipulation and moderate growing temperatures (13°C)
- ✿ Champion can be cropped 8 to 12 months of the year, depending on geographical area
- ✿ Higher UPC and better uniformity'



Indoor/Outdoor

GROUP -



70-80 cm



Cut Flower



800/gram; pellet



Cool, dry, airtight 8-10°C



Culture Guide

Plug Culture

- Stage 1** (days 1-10) Single sow pelleted seed into a plug using a sterile and well-drained media with a pH of 5.8 to 6.2. Cover the seed lightly with vermiculite and maintain high humidity and sufficient moisture to melt the pellet. Optimum germination temperature is 18-20°C. For the highest germination, maintain an even temperature of 20°C for four 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. Maintain moderate air temperature 20-22°C to avoid stress and prevent rosetting. Apply a light feed of 100 ppm N using a well-balanced fertilizer.
- Stage 3** (days 22-34) Seedlings are beginning to fill in the plug tray. Maintain moderate air temperatures of 18°C days and 15°C at night to avoid stress and prevent rosetting. Fertilize as needed to maintain a media EC of 0.7 to 1.0 using a well-balanced fertilizer. The use of calcium nitrate-based fertilizer is beneficial in building strong and healthy seedlings.
- Stage 4** (day 35) Seedlings should now have 2-3 leaves and are now ready to transplant into cut flower beds. 'Campanula medium', as a species, possesses a tap root structure and root bound plants will not produce a healthy and strong plant. In order to maximize stem length, do not delay transplanting.

Plant Culture

- Media** Select a bed with good drainage and a soil that is high in organic matter. For best results, plant in full sun in a greenhouse with good ventilation.
- Transplanting** Single stem: 12.5 cm x 12.5 cm.
Multi stem: 25 cm x 25 cm.
Single-stem production will be more quickly and is recommended for greenhouse production. Multi-stem production is best for outdoors or in a cold frame. Campanula Champion series grows 60-75 cm tall. Support is recommended to avoid damage to plants during windy periods; especially for single stem production.
- Watering** After transplanting, do not allow the plants to dry out to prevent tip burn on the leaves.
- Temperature** Ideal growing temperature is 13-16°C.
- Fertilizer** Campanula is not a heavy feeder. Use a well-balanced calcium nitrate-based feed to maintain a soil EC of 0.7 to 1.0 mmhos (1:2 slurry). A lack of boron will cause distortion and tip abortion. A lack of iron will cause tip burn on the leaves.
- Lighting** Campanula is a long-day-response-plant and will require lighting for Winter flowering. Light the plants when they have 8 to 10 true leaves, (4 to 5 weeks after transplanting), using "mum lighting" from 10 pm to 2 am for 40-45 days. No supplemental lighting is required for a late Spring flowering (transplanting in mid February). Provide short day conditions (>12 hours) from sowing until 4-5 weeks following transplant to ensure sufficient vegetative growth.

Crop schedule	In general, Campanula 'Champion' flowers in 130-150 days from sowing. An early August sowing will yield cut flowers in late December to early January if the night temperature is maintained at a minimum of 10°C on the growing point and the crop is lighted for 40-45 days starting 4 to 5 weeks after transplanting. For late Spring to early Summer flowering, from a February sowing, no day-length manipulation is necessary.
Post harvest handling	Cut stems when two or three lower buds are open. Place stems in tepid water and keep in a cool spot, in an upright position, to avoid stem bending. Use of flower food is highly recommended.

All information given is intended for general guidance only and is believed to be accurate. Cultural details are based on Northern Hemisphere conditions and Sakata cannot be held responsible for any crop damage related to the information given herein. Application of recommended growth regulators and chemicals are subject to local legislations and manufacturer's label instructions.