

Campanula Big Ben series

Campanula medium F1

- Large, elegant bell-shaped flowers, facing upwards
- Firm stems and robust flower petals
- Tall stems, richly filled with buds and flowers for enduring colour and volume
- Outstanding vase life
- Ideal for romantic field bouquets and trendy mono bunches





Campanula Big Ben has tall stems filled with spectacularly coloured flowers. Big Ben is a highly productive Campanula series that can be produced almost year round. Thanks to its rich flowering, the uniformity of the varieties and a very short cultivation period (10-14 weeks after planting), Big Ben has quickly gained popularity. The upward-facing, bell-shaped flowers have strong petals that hold up well during transport and handling. The long stems are easy to harvest and easy to apply in romantic field bouquets and trendy mono-bouquets with a very long vase life. Discover all colours in this wonderful series.

Flower profile:

Series:	Big Ben
Genus & species:	Campanula medium F1
Family:	Campanulaceae
Common name:	Canterbury Bells
Usage:	Ornamental; commercial cut flower
Stem length:	60 to 70 cm
Breeder:	Evanthia Genetics
Starting material:	Raw or pelleted seed



Big Ben Deep Blue



Big Ben Lavender



Big Ben Pink



Big Ben White Imp.



Campanula medium F1 — Cultivation manual

Cut flower culture

Culture location: greenhouse / open field
Sowing method TP
Sowing season Almost yearround
Germ temp. 18-20°C (65-68°F)
Growing temp. 13-15°C (55-59°F)

Plug crop time

7-8 weeks

Crop duration

17 to 20 weeks

Seed requirement

1 gram for 1000 plants

Pests/diseases

Aphids, thrips, caterpillars, leaf spot (light spots with a dark brown edge on the leaves), Rhizoctonia and Sclerotinia.

Fertilization (f)

Moderate requirement of a well balanced calcium nitrate-based fertilizer. Optimum EC 0.7 to 1.0 mmhos (1:2 slurry). High media pH (>6.5) may cause boron and iron deficiency (stunted growth, tip burn, tip abortion).

Sowing details

Initial sowing media:

Sterile sowing mix, pH 5.8-6.2, EC < 0.5
sow : 1 seed per plug (tray 288)
cover: light cover with coarse vermiculite

Days 0 - 10

(m) moist (moist to wet for pelleted seed)
(t) 18-20°C (65-68°F),
day and night for 4 days

Days 11 - 21

(m) normal to moist
(t) 20-22°C (68-72°F)
(f) 100 ppm N, 0,7 EC
(l) short day (< 8 hours light) during plug production will ensure sufficient vegetative growth and stem length.

Days 22 - 34

(m) normal
(t) 20-22°C (68-72°F)
(f) 100 ppm N, and adapt if necessary to maintain 0.7-1.0 mmhos/cm

Days 35 - finishing

Transplant when seedlings have 2 or 3 true leaves. Do not delay transplanting!

Growing on

Soil/media

Well-drained fertile soil, pH 5.8-6.2, EC < 0.5

Netting

Yes, (especially for non-pinched culture)

Pinching

Naturally voluminous. Pinching is not advised. You will get better results and high quality stems by keeping the central stem unpinched.

Plants density

Single stems: 64 plants/m² (6 pl/ft²).

Moisture (m)

Moist, gradually reducing to normal. Tip-burn may occur when growing too dry. Excessive side shoots are caused by high moisture or fertilization levels.

Temperature (t)

Optimum temp. is 13-15°C (55-59°F). Minimum temp. when light conditions are low is 10° (50°F). Good air circulation is important.

Light (l)

See note.
8-hour short day conditions are maintained from sowing to planting. Supplemental lighting is required in late season plantings

Cultivation tips

- Campanula forms a taproot. Do not delay transplanting in order to ensure healthy plants with sufficient stem length.
- Large differences in light, irrigation, (high) temperature, fertilizer as well as root disturbance may cause stress (dormancy, rosetting).

Notes

- During the entire plug production 8-hour short day conditions are maintained for sufficient growth and stem length.
- Supplemental lighting is required in late season plantings for uniformity and flowering speed.

Harvest

- Harvest when 2-3 lower flowers are open and place upright in tepid water. Cool storage. Keep upright in water of 38°C (100°F) for the first 24 hours.

For post harvest treatments, see: www.vbn.nl/en/list-pre-treatments/

This information is for general guidance only, and is in some cases specific for North European conditions. No guarantee is given for the result of the crop, nor is liability accepted for the consequences of applying the indications given.