



Helianthus annuus F<sub>1</sub>

**Bert**<sup>®</sup>

Item no.: HA1201R/C



#### **Bert**<sup>®</sup> – the Perfect Gift Plant

- Perfect, compact pot sunflower
- Large flowered, pollenless hybrid
- „One of the best varieties“ according to an official institution

#### **Technical Guide:** [Click here](#)

All information in our technical guide is based on our own trials and would therefore be as guideline only. Detailed cultivation aspects vary depending on climate, location, time of year and environmental conditions. Benary expressly disclaims any responsibility for the content of such data/information and makes no representation or warranty for the cultivation of any products listed. It is recommended that growers conduct a trial of products under their own conditions.

<b>Crop Time</b>	Spring: 8 - 10 weeks
<b>Height</b> ∅	15 " / 38 cm
<b>Width</b> ∅	9 " / 23 cm
<b>Exposure</b>	Sun
<b>Seed Form</b>	Raw Seed, BeGreen Coating
<b>Best Uses</b>	Bedding, Cutflower

## CULTURE GUIDE

Helianthus annuus F<sub>1</sub> Bert®

### Usage

Pots, Mixed Containers and Landscape

### Sowing method

1-2 seeds per plug. Can be sown directly into the finished container

### Germination

Plug Culture:

Optimum conditions for seedling development, beginning on the day of sowing until radicle emergence. Expect radicle emergence in 3-5 days.

### Media

Plug Culture:

Saturate (5) for the first 2-3 days and then reduce the moisture level to moist (3) on day 4. On day 10 reduce the media moisture further to a medium (2). Alternate between wet (4) and medium (2), allowing the media to approach a medium (2) before re-saturating to wet (4).

Growing On:

Alternate between moisture levels wet (4) and medium (2). Allow the media to reach a moisture level medium (2) before re-saturating to a wet (4). Never allow the media to dry out completely since yellowing of the lower leaves can occur.

### Temperature

Plug Culture:

70-75 °F (21-24 °C) until day 5 and then reduce to 68-70 °F (18-20 °C). Temperatures below 54 °F (12 °C) will result in slow and uneven germination.

Growing On:

59-64 °F (15-18 °C) nights, 64-70 °F (18-21 °C) days. An ADT (average daily temperature) of 67 °F (19 °C) will give the fastest finished crop.

### Fertilization

Plug Culture:

Maintain an EC < 1.0. Fertilized water should not exceed an EC of 0.5

Growing On:

Helianthus require high fertilization levels. Fertilize the crop weekly at 200-250 ppm nitrogen, using a potassium balanced fertilizer (N:K<sub>2</sub>O – ratio 1:1.5). Blended fertilizers that are used for flowering can be used (11-7-23). If fertilizers with high potassium are not available then a complete calcium- based fertilizer can be used (14-4-14 or 15-5-15). Under high light levels a 17-5-17 fertilizer can be used. Application of magnesium sulfate (0.05%) can be made 1-2 times at 100 ppm to prevent magnesium deficiency. In case of iron deficiency apply iron-chelate 1-2 times.

### Tip

Pollenless flowers last longer. The vibrant yellow color with the dark center look cleaner in floral arrangements and do not shed pollen indoors.

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Stage I Starts with the radicle breaking through the testa. The roots are touching the medium. Ends with fully developed cotyledons.

Stage II Starts from fully developed cotyledons. Ends with the fully developed true leaf or true leaf pair.

Stage III Starts from the fully developed true leaf or true leaf pair and ends with 80% of the young plants being marketable.

Stage IV All young plants are ready for sale and in the process of being hardened off. This stage lasts about 7 days.

The cultural recommendations are based on results from trials conducted under Central European conditions. Different conditions in other parts of the world may lead to deviations in results achieved.

## COLORS OF THE SERIES

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