

New



Genetically Compact Multiflora Series



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Petunia x hybrida F?

## **BOOM!™ HD**

- First genetically compact multiflora Petunia series from Benary
- Excellent weather resistance
- Good field performance
- Early flowering

- Dense growth, plants fill packs and pots quickly
- High uniformity in plant habit across the series
- Minimum germination (Pelleted): 85%

**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.

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### **Crop Time**

Spring: 9 - 13 weeks

### **Height ?**

7 ? / 18 cm

### **Width ?**

11 ? / 28 cm

### **Exposure**

Sun

### **Seed Form**

Pelleted Seed

### **Best Uses**

Pot Plant

# Culture guide

## Usage

Packs, pots, mixed containers and landscape

## Sowing method

1 pellet per plug. No cover is necessary. Light is required for germination.

## Germination

Optimum conditions for seedling development, beginning on the day of sowing until radicle emergence. Expect radicle emergence in 3-5 days. Humidity should be between 95-100 % until day 5; then reduce to 40-60 %.

## Growing on

Facultative long day plant. Long days and high irradiance will promote flowering.

## Media

Plug culture: pH 5.5-5.8; keeping the pH below 6.0 will help to keep boron and iron available. EC 0.5-0.75. Begin by watering to saturated (5); applying enough water to help dissolve the pellets. After sowing do not allow the pellets to dry back before moving to the germination chamber or benches. Maintain saturation (5) for 3-4 days or until radicle emergence. On day 5 reduce media moisture to wet (4) for the next 5-6 days. On day 10 reduce the moisture further to medium (2). Alternate between wet (4) and a medium (2) between watering.

Growing on: pH 5.5-5.8; EC 1.5-2.0. Alternate between moisture levels wet (4) and medium (2). Allow plants to reach medium (2) before re-saturating to wet (4).

## Temperature

Plug culture: 22-24 °C until radicle emergence. The temperature can be lowered approximately on day 5 to 20-22°C. Once cotyledons have fully expanded, reduce the temperature further to 18-20 °C until day 28. Keep temperatures > 16 °C until the plants are ready to transplant. For the fastest finish maintain an average daily temperature of 19.5 °C.

Growing on: After transplanting, always maintain temperatures > 13 °C during night for the first 3-4 weeks to initiate flower bud development. These low night temperatures encourage basal branching and compactness for a higher quality plant. However, lower temperatures may also substantially decrease the number of flowers initiated. An average daily temperature of 17-21 °C will work well.

## **Fertilization**

Plug culture: Maintain an EC < 1.0. Fertilized water should not exceed an EC of 0.5. Upon initial germination after 5-6 days, begin feeding with 50 ppm nitrogen. Pay attention to the addition of boron since low boron can cause tip abortion. Ideal boron concentration is 0.5 ppm.

Growing on: Feed at 100-200 ppm nitrogen. Under high light conditions, apply an ammonium based fertilizer (17-5-17) or (20-10-20). To prevent stretching under low light conditions, apply a calcium based fertilizer (14-4-14) or (15-5-15). Under high light and long days an ammonium based feed (20-10-20) is preferred.

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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.

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