

## ***Verbena speciosa*** **Imagination®**

Verbena

### ***Culture guide***

#### **Uses:**

Pot and container plants, plants for window boxes, bedding, plants for hanging basket, a good ground cover

#### **Exposure:**

Sun - Partial shade

#### **Garden height:**

12" / 30 cm

#### **Crop time:**

12-14 weeks

#### **Sow time:**

Mid January-End March

#### **Sowing method:**

2-3 seeds per plug

#### **Germination:**

14-21 days at 70-75 °F (21-24 °C). Cover seed lightly with vermiculite after sowing.

#### **Growing On:**

Transplant plugs after 5 weeks. Grow on at 60-65 °F (15-18 °C).

#### **Media:**

Use a well-drained, growing substrate with 20-30 % clay, 1-1,5 kg/m<sup>3</sup> complete balanced fertilizer, 0-2 kg/m<sup>3</sup> slow release fertilizer (3-6 months), iron-chelate, micronutrients, pH: 5.5-6.0. For hanging basket production the application of a slow release fertilizer is recommended.

#### **Temperature:**

Grow at 16-18 °C. For early selling the plants should be hardened slowly at 10-15 °C for 14 days. *V. speciosa* does not tolerate frost.

#### **Fertilization:**

High fertilization levels are required. Fertilize the crop weekly with 250-350 ppm nitrogen (at 0 kg/m<sup>3</sup> slow release fertilizer in substrate), using alternating a calcium nitrate fertilizer and a potassium balanced fertilizer (N: K<sub>2</sub>O-ratio: 1:1,5). Avoid high ammonium and high nitrogen levels.

Take care of a good potassium level in substrate. A good potassium nutrition decreases the risk of fungi infection, because the plant tissues get a high stability. The color of the foliage is improved, too. Prevent magnesium deficiency by applying magnesium sulphate (0,05 %) 1-2 times and in case of iron deficiency apply iron-chelate for 1-2 times.