

# ***Physostegia virginiana*** ***Crystal Peak White***

Obedient Plant

## ***Culture guide***

### **Uses:**

Pot plants, landscape perennial, cut flower, mixed containers

### **Exposure:**

Sun - Partial shade

### **Garden height:**

16" / 40 cm

### **Crop time:**

16-18 weeks

### **Sow time:**

December-March for flowering in pots from May-July. July-August for flowering in larger pots the following year

### **Sowing method:**

1-3 seeds per plug

### **Germination:**

Stage I: 12-16 days at 65-72 °F (18-22 °C), Stage II-IV: 17-42 days at 60-65 °F (15-18 °C). Use media with very low soluble salt levels and pH: 5.5-7.0. Cover seed lightly with vermiculite after sowing. Keep soil slightly moist but not wet. Avoid direct sunlight by shading seeds after sowing.

### **Growing On:**

Transplant plugs after 7 weeks. Grow on at 60-65 °F (15-18 °C), in a humus medium.

### **Media:**

Use a well-drained, growing substrate with 15-30 % clay, 0-15 % parts (e.g. bark, perlite, sand), 1-3 kg/m<sup>3</sup> complete balanced fertilizer, 0-3 kg/m<sup>3</sup> slow release fertilizer (3-9 months), iron-chelate, micronutrients, pH: 5.5-7.0.

### **Temperature:**

Grow at 50-64 °F (10-18 °C) or outdoors. In winter indoors frost free at 38-41°F (3-5 °C) or outdoors with fleece cover.

### **Fertilization:**

High fertilization levels are required. Fertilize the crop weekly with 130-150 ppm nitrogen (at 3 kg/m<sup>3</sup> slow release fertilizer in substrate), using complete balanced fertilizer. Avoid high ammonium and high nitrogen levels. Don't fertilize after mid September. In spring fertilize 130-150 ppm nitrogen of a potassium balanced fertilizer (N: K<sub>2</sub>O-ratio: 1:1.5). 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.