

# ***Tagetes patula*** ***Super Hero™ Orange Flame***

## ***Culture guide***

### **Uses:**

Packs, Pots, Mixed Containers and Landscape

### **Exposure:**

Sun

### **Garden height:**

9" / 23 cm

### **Crop time:**

7-9 weeks

### **Sowing method:**

1 seed per plug

### **Germination:**

Optimum conditions for seedling development, beginning on the day of sowing until radicle emergence. Expect radicle emergence in 2-3 days

### **Media:**

Plug Culture:

Begin with a saturated (5) media moisture level for the first 1-2 days and then reduce to wet (4) for the next 3-4 days. Thereafter, on day 6, once germination is complete with cotyledon expansion, reduce the media moisture to medium (2). Alternate between moisture levels wet (4) and medium (2). Allow the media to reach a moisture level medium (2) before re-saturating to wet (4).

Growing On:

Continue to alternate between moisture levels wet (4) and medium (2). Allow the media moisture to approach medium (2) before re-saturating to wet (4).

**Temperature:**

Plug Culture:

72-75 °F (22-24 °C). On day 7, once cotyledons have expanded the temperature can be lowered to 68-70 °F (20-21 °C).

Growing On:

63-64 °F (17-18 °C) until plants are well established in the final container. Thereafter, temperatures may be lowered further to 59-63 °F (15-17 °C) nights and 64-68 °F (18-20 °C) days. Avoid lower temperatures since temperatures between 64-68 °F (18-20 °C) promote flower initiation. An ADT (average daily temperature) of 67 °F (19 °C) will give the fastest finished crop.

**Fertilization:**

Plug Culture:

Maintain an EC of less than 0.75. Begin fertilizing early on day 7 feeding at 50-60 ppm N, using a calcium-based fertilizer (14-2-14 or 13-2-13).

Growing On:

Marigolds require a moderate feed program. Fertilize weekly with a complete calcium based fertilizer at 150-200 ppm N. Recommended fertilizers are (14-4-14; 15-5-15; and 17-5-17) under high light conditions. Keep ammonium levels low since too much ammonium will result in large leaves and can also damage the roots.