

Pentas lanceolata F₁

Graffiti®

Red Velvet

Item no.: PL0422P

**The Unbeatable Series on the Market!**

- Profit from the widest range of colors in a Pentas series:
17 intense colors & 2 mixes to choose from!
- Uniformity in height and flower timing
- Well-branched plants with dense flowers for maximum color at retail
- Excellent heat tolerance and garden performance
- First bicolor tones in seed Pentas

Crop Time	Spring: 13 - 16 weeks
Height Ø	12 " / 30 cm
Width Ø	11 " / 28 cm
Exposure	Sun
Seed Form	Pelleted Seed
Product Use	Pots, Mixed Containers, Landscape, Mass Plantings
Family, Origin	Rubiaceae, East Africa
Minimum Germ. Rate	90 %

TECHNICAL GUIDE

Pentas lanceolata F₁ Graffiti®

Usage

Pots, Mixed Containers, Mass Plantings and Landscape

Sow time

January-April

Sowing method

1 pellet per plug. No cover is necessary.

Germination

Maintain optimal conditions for seedling development beginning on the day of sowing until radical emergence. Expect radical emergence in 7-10 days. Humidity should be between 95-100% until day 10; then reduce to 40-60%.

Growing on

Day neutral plant, will flower regardless of day length. Very responsive to irradiance and additional lighting. Providing a 14-16 hrs. day length, especially in the seedling stages, will shorten the crop significantly. In addition, growing at warmer temperatures will shorten the crop time.

Media

Plug culture: pH 6.2-6.5 Starting with the proper pH of the media will improve the performance of the seedlings. Pentas can exhibit iron toxicity at lower pH levels, below 5.5. Pentas require close attention to the proper media pH. If the pH is too high, a micro nutrient deficiency may occur and if too low, an iron toxicity can occur. EC < 0.5.

Temperature

Plug culture: 23-26 °C (74-78 °F). Once germination is completed with fully expanded cotyledons, on day 14 the temperature can be lowered slightly to 22 °C (72 °F). Water trays using tempered water with a minimum temperature of 18 °C (64 °F). Media temperatures below 16 °C (60 °F) will inhibit the germination and growth. 20-21 °C (68-70 °F). As plants become more mature the temperature can be lowered to 18-20 °C (64-68 °F) nights and 22-23 °C (72-73 °F) days. Warmer temperatures will benefit and shorten the finish time.

Growing on: 20-21 °C (68-70 °F) nights, 22-23 °C (72-73 °F) days for the first 14 days or until the roots reach the bottom of the container. Thereafter temperatures may be lowered to 16-18 °C (60-64 °F) nights and 20-23°C (68-74°F) days. Higher temperatures are beneficial and will shorten the crop time. Pentas do not seem to have a maximum temperature that will inhibit growth and flowering.

Fertilization

Plug culture: Maintain an EC < 0.75. At this stage fertilized water should not exceed an EC of 0.5 Begin feeding on day 10 with 50 ppm 14-2-14, 14-4-14 or 17-5-17. Keep phosphorous levels < 8 ppm, iron levels at 2-3 ppm. Maintain the EC levels below 1.2. Under lower light conditions fertilize with a calcium based fertilizer, 14-4-14 at 100 ppm. Under higher light use a 17-5-17 feed at 100 ppm.

Growing on: : Under low light conditions fertilize with a 14-4-14 fertilizer at 100-150 ppm and under high light conditions use a 17-5-17 fertilizer at 100-150 ppm. Watch for calcium and magnesium deficiencies which can cause stunted plants.

Expert Tip

Pay attention to maintain a higher pH at or above pH 6.4. This will help with good seedling development and finished product.

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

Pentas lanceolata F₁ Graffiti®



White
PL0411P



Bright Red
PL0419P



Deep Red
PL0413P



Lipstick
PL0417P



Red Velvet
PL0422P



Cranberry
PL0405P



Flirty Pink
PL0403P



Fuchsia
PL0409P



Lavender Pink
PL0412P



Neon Plum
PL0415P



Pink
PL0418P



Ruby
PL0406P



True Pink
PL0407P



Appleblossom
PL0402P



Rose
PL0420P



Ultra Violet
PL0410P



Violet
PL0421P



Maxi Mix
PL0499P



Selected Mix
PL0498P