

Devotion Series Trachelium

Completely upgraded pot & bedding series can now be grown easily in 4.5-inch pots up to gallons!

■ Upgraded **Devotion** series now delivers a uniform height and uniform flowering time across the entire series.

■ Blue Improved, Purple Improved and Burgundy are 2 to 3 weeks earlier to flower compared to the original series, while White Improved is almost 4 weeks earlier.

■ All four varieties are now more naturally dwarf and better branched making **Devotion** well-suited to 4.5 to 6-in. (11 to 15-cm) pots, gallons (8-in./20-cm standard pots) and other large containers. Some PGR applications may be required for smaller pots.

■ As an indoor flowering pot plant, **Devotion** has a finished height of about 12 in. (30 cm) with PGR treatment.

■ Moved outdoors to a sunny location, plants grow to 18 to 30 in. (45 to 90 cm) tall, making the mid-height plants perfect for gardens, landscapes and patio planters. A great backyard cutflower, too!

■ Elegant foliage is topped by lightly scented flowers – the large central umbel is surrounded by smaller side umbels.

■ Available as easy-to-sow pelleted seed.

■ Contact your local distributor or call PanAmerican Seed at 800 231-4868 for ordering information on **Devotion** Trachelium.

Devotion Colors:

NEW Blue Improved

NEW Burgundy

NEW Purple Improved

NEW White Improved

T. caeruleum

Approximate pelleted seed count: 21,500 to 34,200 S./oz. (750 to 1,200 S./g)

Germination

Sowing

Single-sow pelleted seed in 200-cell trays. Do not cover the seed. Chamber germination is recommended for better germination. Keep the plug media wet at sowing to help dissolve the seed pellet quicker and provide better germination performance.

Temperature

Provide germination temperatures of 72°F (21°C).

Humidity

Maintain relative humidity (RH) at 95%.

Light

Light is required for germination. A fluorescent light source in the germ chamber with 10 to 100 f.c. (100 to 1,000 Lux) of light is adequate.

Germination Schedule

Allow 7 to 9 days for germination.

Plug Production

NOTE: In general, Trachelium seedlings show a slow rate of development in the first few weeks.

Temperature

Bottom heat is not required for plug production.

Stages 2 & 3: Provide night temperatures of 65°F (18°C) and day temperatures of 70 to 72°F (21 to 22°C).

Stage 4: Provide night temperatures of 55 to 60°F (13 to 15°C) and day temperatures of 65°F (18°C).

Cooler temperatures at Stage 4 produce well-toned plants.

Light

No supplemental lighting is required for plug production. While **Devotion** Trachelium needs long days after transplant to initiate, providing long days in the plug stage will not reduce total crop time.

Irrigation

After germination, avoid excess moisture in the plug media. During Stage 4, keep foliage dry at night to avoid *Botrytis*.

Fertilizer

Start fertilizing seedlings beginning at Stage 3, feeding two times per week with 50 ppm Nitrogen from 14-0-14, alternating with 20-10-20. Increase to 100 ppm N after 10 to 14 days and continue with this program until finishing the plugs.

Stage 2: Provide EC of 0.5 to 0.75 and pH of 5.8 to 6.2.

Stages 3 & 4: Provide EC of 1.00 and pH of 5.8 to 6.2.

Plant Growth Regulators

None required.

Growing On To Finish

Container Size

4.5-in. (11-cm) pot: use 1 plant per pot

Gallon container (8-in./20-cm standard pot): use 3 plants per container.

Transplant the plugs on time, as rootbound plugs take longer to fill the finish container.

Temperature

Nights: 60°F (15°C)

Days: 68 to 72°F (20 to 22°C)

Devotion Trachelium can be grown at temperatures as low as 50°F (10°C) nights and 60°F (15°C) days, but total crop time will increase.

Fertilizer

Starting 7 days after transplant, feed once a week with 150 ppm N using a combination of calcium nitrate and potassium nitrate fertilizer. Maintain an EC of 1.5 and a pH of 5.8 to 6.4 from transplant to finish; leaching a few times with clear water will be helpful.

Light

Trachelium needs long days (16 hours of total photoperiod) for faster flowering. Under short-day conditions, provide long days using either daylength extension or night interruption. Night interruption can produce flowering plants one week faster than with daylength extension. 150-watt incandescent bulbs provide sufficient supplemental light.

Plant Growth Regulators

Apply a foliar spray of A-Rest at 20 ppm or B-Nine at 5,000 ppm beginning two weeks after transplant for height control. A second application 2 weeks later can be used to control the late stretch typically seen in Trachelium after initiation until the point of shipping. This second application of PGRs will delay flowering by one week. When applying growth regulators, always follow the current manufacturer label instructions. In-house trials are recommended to determine the best rate for your growing location.

Insects

Leaf miners and thrips.

Shipping

Ship **Devotion** Trachelium when 25% of the primary umbel has open florets.

Crop Schedule:

Sow to transplant: 7 to 9 weeks

Transplant to finish: 9 to 11 weeks

Total crop time: 16 to 20 weeks

PanAmerican Seed

PanAmerican Seed Co.
622 Town Road, West Chicago, Illinois, USA 60185-2698
630 231-1400 Fax: 630 231-3609 www.panamseed.com

™ denotes a trademark of and ® denotes a registered trademark of Ball Horticultural Company in the U.S. It may also be registered in other countries.

© 2003 Ball Horticultural Company Printed in USA PAS03013 REV 2/03