GrowerFacts

PanAmerican Seed®

Trachelium Lake Series

(Trachelium caeruleum) Cut Flowers Culture (revised 10/13/23)

The Lake collection from seed offers simplified ordering and production. Lake varieties produce large central flower umbels with small satellites. See technical resources at bloomstudios.com for daylength requirement.

General Information

Cultivation Type	Usage	Stem Length	Timing Group
Greenhouse	Filler	30-42 in. (76-107 cm)	N/A

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days from 50% to maximum germination	Initial Media pH/EC (1:2)	Cover Seed
PEL	288	1	7-9	5-7	6.0 pH 0.5-0.9 mmhos/cm	No

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 2-3	Level 2-3
Temperature	62-70°F (17-21°C)	62-70°F (17-21°C)	62-70°F (17-21°C)	62-70°F (17-21°C)
Light	Optional			
Fertiliser	Less than 100 ppm N (Less than 0.7 EC)	Less than 100 ppm N (Less than 0.7 EC)	100 to 175 ppm N (0.7 to 1.2 EC)	100 to 175 ppm N (0.7 to 1.2 EC)

Propagation Key Tips

Trachelium is very sensitive to high salts during germination, particularly high ammonium.

Growing on to Finish

Target Media pH/EC (1:2)	Fertiliser	Daylength
6.0 pH 2.0-2.25 mmhos/cm	175 to 225 ppm N (1.2 to 1.5 EC)	Obligate Long Day

Daylength Notation

Trachelium needs 16-hour daylength.

Crop Scheduling

Cultivation Type	Support	Temperature	Density	Crop Time
Greenhouse	Recommended	16-26°C/60-78°F (day) 11-20°C/52-68°F (night)	6 plants/ft² (65 plants/m²)	10-14 weeks

Common Problems

Insects: Aphids, Leaf rollers, Thrips Diseases: Bacterial Blight, Pythium, Phytophtora, Rhizoctonia

Finishing Key Tips

The greatest potential for year-round production in mild climates. Midseason flowering (transitional Group 3) series for mid-Winter to early-Spring transplants to yield late-Spring to early-Summer flowers. May also be transplanted late Summer to early Autumn for Autumn to early-Winter flowering.

Harvest

Harvest stems when half or more of florets are open.

Post Harvest

Clear water or a holding solution are preferred. Store at 4°C (40°F). Avoid exposure to ethylene, and use of an ethylene-inhibiting treatment is recommended.

Vase Life

Vase life average 11 days. Extended cold storage will decrease vase life.

NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

Variety Pictures


Forest Purple


Michigan Blue


Michigan Purple


Michigan Violet


Michigan White

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