

Emerald Lace Plectranthus

P. oertendahlii

Approximate Seed Count: 46,000 S./oz. (1,624 s/g)

Plug Production

Media

Use a well-drained, disease-free, soilless medium with a pH of 5.5 to 6.1 and a medium initial nutrient charge (EC less than or equal to 0.75 mmhos/cm with a 1:2 extraction).

Sowing

Plug tray sizes from 406 to 288 cells are recommended. Cover seeds lightly. Germination takes 6 to 9 days.

Temperature

Germination (Stage 1): 68 to 74°F (20 to 24°C)

Cotyledon Stage (Stage 2): 68 to 72°F (20 to 22°C)

True leaves (Stage 3): 68 to 72°F (20 to 22°C)

Hold plugs (Stage 4): 64 to 68°F (18 to 20°C)

Light

Stage 1: Light (10 f.c./108 Lux or more) is required for germination.

After germination: Maintain light level between 1000 to 2500 f.c. (10,000 to 30,000 Lux). As seedlings mature light levels can be increased up to 5,000 f.c. (54,000 Lux).

Humidity

Maintain 95% relative humidity through cotyledon emergence.

Soil Moisture

Keep soil moisture high until radicle emergence, then reduce moisture levels after the radicle penetrates the medium. Do not allow the seedlings to wilt.

Fertilizing

At radicle emergence: 50 to 75 ppm N from 14-0-14 or 13-2-13, alternating with 20-10-20 type fertilizer.

As cotyledons expand: Increase to 100 to 150 ppm N.

Growth Regulators

Not needed.

Growing On To Finish

Media

Use a well-drained, disease-free, soilless medium with a pH of 5.5 to 6.2 and a medium initial nutrient charge.

Temperature

Nights: 64 to 66°F (18 to 19°C)

Days: 66 to 72°F (19 to 22°C)

Light

Provide shade if light level is over 5,000 f.c. (50,000 Lux).

Irrigation

Grow plants on the dry side. Mature plants are very tolerant to drought.

Fertilizer

200 ppm N once a week, alternate between 15-5-15 and 20-10-20 type fertilizers.

Growth Regulators

Not needed. Plants are naturally compact.

Pinching

Pinching is not needed.

Crop Scheduling

Sow to transplant (400 to 288-cell plug tray): 5 to 6 weeks

Transplant to saleable:

Container Size	Plants Per Pot/Basket	Weeks From Transplant	Total Weeks
306 pack	1	5-6	10-11
4-4.5 in. (10-11 cm) pot	1	5-6	11-12
6-6.5 in. (15-16 cm) pot	2	5-6	11-12
Gallon	2	5-6	11-12

Common Problems

No major problems have been observed.

PanAmerican Seed™

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