GrowerFacts

PanAmerican Seed®

Angelonia Serenita® F_1 Series

(Angelonia angustifolia)

Annuals Culture (revised 12/12/24)

Less labour + more efficiency = a better bottom line!
Serenita and Serena are the only seed angelonias on the market, giving you the premium results you expect from vegetative varieties, with less labour and more efficiency. Both fit into warm bedding production, are perfect for grower choice premium containers, and excel in the landscape.

Plug crop time: 5 to 6 weeks
Transplant to finish: 8 to 9 weeks

- Serenita has all the good looks, durability and easy production of Serena – with a few additional benefits.
- Excellent solution where shorter and more manageable material is needed.
- Peak performer in very hot/humid night temps like Florida, southeast Asia and similar southern climates.
- Great for high-density production.
- Grow Serenita with less to no PGRs for cost savings.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Late Spring, Summer, Late Summer	12-14 in. (30-36 cm)	12-14 in. (30-36 cm)	8 in. (20 cm)

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	288 128	1 1	5-6 6-7	4-5	5.5-6.0 pH 0.75 mmhos/cm	No

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3	Level 2-4	Level 2-4
Temperature	71-76°F (22-24°C)	68-73°F (20-23°C)	68-73°F (20-23°C)	65-67°F (18-19°C)
Light	Light	8 $mol \cdot m^{-2} \cdot d^{-1}$ 1,000-2,500 f.c. (10,800-26,900 Lux)	8-12 $mol \cdot m^{-2} \cdot d^{-1}$ 1,000-2,500 f.c. (10,800-26,900 Lux)	8-15 $mol \cdot m^{-2} \cdot d^{-1}$ 2,500-5,000 f.c. (26,900-53,800 Lux)
Fertiliser		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)
PGR			daminozide/2,500-5,000 ppm/Spray	daminozide/2,500-5,000 ppm/Spray

Propagation Key Tips

Light is required for germination. Grow on the dry side, but do not allow plants to wilt.

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 65-76°F (18-24°C) **(night)** 65-67°F (18-19°C)	5.8-6.2 pH 1.5-2.0 mmhos/cm	175 to 225 ppm N (1.2 to 1.5 EC)	Day Neutral

Crop Scheduling

Container Size	Plugs/Pot	Crop Time	Season	PGR
306 Pack/1801	1 (ppp)	8-9 (weeks)	Late Spring	daminozide/chlormequat chloride tank mix 2,500/500-2,500/750 ppm Spray
4"/4.5"/Quart/10 cm	1 (ppp)	9-10 (weeks)	Late Spring	daminozide/chlormequat chloride tank mix 2,500/500-2,500/750 ppm Spray

Common Problems

No serious problems.

Finishing Key Tips

Angelonia grows slowly when the temperature is below 64°F (18°C). Recommended DLI range of 12 to 24 $mol \cdot m^{-2} \cdot d^{-1}$. Serenita requires less PGRs than Serena, as it is more compact and naturally shorter. It may not need any PGRs, especially under cool conditions. If necessary, use a tank mix of B-Nine/Alar (daminozide) 2,500 ppm mixed with Cycocel (chlormequat) 500 to 750 ppm. If growing in warmer climates, a paclobutrazol drench of 3 to 5 ppm can be applied 2 weeks after transplant instead of the daminozide/chlormequate chloride tank mix. Do not pinch plants. Pinching will result in uneven plant habit and a delay of flowering.

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

Cherry Red

Lavender

Pink

Purple

Raspberry

Sky Blue

White

Mixture

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