

Laurentia Starshine™

Culture Guide

Botanical name: *Laurentia axillaris*

Product form: Seed

Containers: Pints, Quarts, Gallons

Habit: Mounded

Garden Specifications

Garden Height: 8–12" (20–30 cm) tall

Garden Width: 8–12" (20–30 cm) wide

Exposure: Full sun

USDA zone: 11

AHS zone: 12–1

Product use: Containers, Hanging Baskets, Patio Pots, Combos

Germination

Stages 1 & 2

Germination time: 10–14 days

Media temp: 65–68 °F (18–20 °C)

Chamber: Optional

Light: Not required for germination

Seed cover: No

Moisture level: 5 - SATURATED: Soil is dark brown and shiny, free water is present at the surface of the soil, water drips freely from the bottom of the tray, and trays are heavy with a visible bend in the middle.

Rec. tray size: 288-cell tray

Seeds per cell: 1

Young Plant Production

Stages 3 & 4

Temperature

Day: 66–68 °F (19–20 °C)

Night: 64–66 °F (18–19 °C)

Average daily temperature: 66 °F (19 °C)

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 3,000–4,000 foot candles (600–800 micro mols)

Day length response: Facultative long day

Daily light integral: 10–12 mols/day

Media pH: 5.5–5.9

Media EC: SME EC: 0.9–1.3 mS/cm

Fertilizer: 75–125 ppm N

Moisture level: Media should be allowed to dry between irrigations. Alternate between moisture level 3 and 4.

3 - MOIST: Soil is brown in color, strongly squeezing the soil will extract a few drops of water, and trays are light with no visible bend.

4 - WET: Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

Pinching: No

Plant growth regulators (PGRs): If needed, spray with B-Nine® WSG at 1,500–2,500 ppm.

Plug grow time: 7–10 weeks in a 288-cell tray

Comments: Cool days with high light will reduce the need to apply PGRs.

Finishing

Temperature

Day: 62–64 °F (17–18 °C)

Night: 62–64 °F (17–18 °C)

Average daily temperature: 63 °F (17 °C)

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 2,000–4,000 foot candles

Day length response: Facultative long day

Daily light integral: 10–12 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media slightly below the level of media in the container. Make sure that the root ball is covered and that the plug is situated in the center of the pot.

Media pH: 5.5–5.9

Media EC: SME EC: 1.5–2.1 mS/cm, PourThru EC: 2.3–3.2 mS/cm

Fertilizer: 125–175 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): If needed spray with B-Nine® WSG at 2,500 ppm.

Tech tip: Cool days with high light will reduce the need to apply PGRs. Starshine will flower under short days but providing day length extension lighting during short days will reduce the time to flower.



Try Chrysal Alesco®, a postharvest foliar spray, to protect ethylene sensitive crops during shipping and retail

Starshine™ Blue

Moisture level: Media should be allowed to dry between irrigations. Alternate between moisture level 2 and 4.

2 - MEDIUM: Soil is light brown in color, no water can be extracted from soil, and soil will crumble apart.

4 - WET: Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

Common pests: Aphids, Fungus gnats, Shore flies, Thrips

Common diseases: Botrytis, Rhizoctonia, Pythium

Scheduling

Size	Crop Time	Plants Per Pot
1.0 pint (4 inch)	10–11 weeks	1 ppp
1.0 quart (4.5 to 5 inch)	10–11 weeks	1 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	10–11 weeks	1–3 ppp
1.5 gallon hanging basket (10 inch basket)	10–11 weeks	3–5 ppp
2.0 gallon hanging basket (12 inch basket)	10–11 weeks	5–6 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 63 °F (17 °C).

Example crop schedule for a 1.5 gallon hanging basket

Weeks From Transplant	Description
1 week	Provide 12–14 hours day length
5 weeks	Spray with B-Nine® WSG at 2,500 ppm, if needed
8 weeks	Spray with B-Nine® WSG at 2,500 ppm, if needed
11 weeks	Ready to ship



syngenta® flowers

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