



Sriracha™ Rose

Cuphea Sriracha™

Culture Guide

Botanical name: *Cuphea llavea*

Product form: Seed

Containers: Quarts, Gallons

Habit: Upright

Garden Specifications

Garden Height: 14–18" (35–45 cm) tall

Garden Width: 12–14" (30–35 cm) wide

Exposure: Full sun

USDA zone: 9

AHS zone: 12–1

Product use: Containers, Landscapes, Patio Pots

Germination

Stages 1 & 2

Germination time: 3–5 days

Media temp: 70–75 °F (21–24 °C)

Chamber: Optional

Light: Not required for germination

Seed cover: Yes

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: 70–72 °F (21–22 °C)

Night: 70–72 °F (21–22 °C)

Average daily temperature: 71 °F (21 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 1,500–2,500 foot candles (300–500 micro mols)

Day length response: Facultative short day

Daily light integral: 8–10 mols/day

Media pH: 5.8–6.2

Media EC: SME 0.5 to 0.75 mS/cm

Fertilizer: 50–75 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): CRITICAL! To avoid hypocotyl stretch, spray or sprench media surface with 1 ppm Bonzi® at a volume of 3–6 qts./100 sq. ft. within 48 hours of sowing seed. The hypocotyl length on treated seedlings should not be more than 1 inch (2.5 cm).

Plug grow time: 3.5–4 weeks in a 288-cell tray

Comments: Only the first application of plant growth regulators (PGR) is necessary for the plug. After two weeks, you can alternate moisture between 2 and 4 to help tone the plugs. Provide supplemental lighting if possible if DLI is less than 8 mols/day.

Finishing

Temperature

Day: 78–80 °F (26–27 °C)

Night: 68–70 °F (20–21 °C)

Average daily temperature: 65 °F (18 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 4,000–6,000 foot candles

Day length response: Facultative short day

Daily light integral: 10–12 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media slightly above 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: 5.8–6.2

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): To control growth, apply one or two applications of Bonzi® either as a spray at 20–40 ppm or as a drench at 0.5–1.0 ppm.

Tech tip: Cuphea is a facultative short day plant, so it will flower faster and stay more compact under short days. Plants can be finished cool at 50–62 °F (10–17 °C) if desired. If finished cool crop time will increase, but the plants will need less PGR treatments.



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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, Thrips, Whiteflies

Common diseases: Fusarium, Pythium, Thielaviopsis

Scheduling

Size	Crop Time	Plants Per Pot
1.0 quart (4.5 to 5 inch)	8–9 weeks	1 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	8–9 weeks	1 ppp
3.0 quart to 2.0 gallon (7.5 to 10 inch)	8–9 weeks	3 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 65 °F (18 °C).

Example crop schedule for a 1.0 quart

Weeks From Transplant	Description
1 week	Provide short days if possible
4 weeks	Apply plant growth regulators (PGRs) if necessary
7 weeks	Apply plant growth regulators (PGRs) if necessary
9 weeks	Ready to ship



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Lavender Bicolor

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