

Penstemon Arabesque®

Culture Guide

Botanical name: *Penstemon hartwegii*

Product form: Seed

Containers: Quarts, Gallons

Habit: Upright

Garden Specifications

Garden Height: 24–30" (60–75 cm) tall

Garden Width: 18–20" (45–50 cm) wide

Exposure: Full sun

USDA zone: 7

AHS zone: 9–1

Product use: Containers, Landscapes, Patio Pots, Combos

Germination

Stages 1 & 2

Germination time: 7 days

Media temp: 68–73 °F (20–23 °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: 62–64 °F (17–18 °C)

Night: 68–70 °F (20–21 °C)

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

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 3,500–5,000 foot candles (700–1,000 micro mols)

Day length response: Facultative long day

Daily light integral: 14–16 mols/day

Media pH: 5.8–6.2

Media EC: SME 0.5 to 0.75 mS/cm

Fertilizer: 75–125 ppm N

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.

Pinching: No

Plant growth regulators (PGRs): If needed, spray with B-Nine® WSG at 2,500–3,500 ppm to control stem elongation.

Plug grow time: 5–6 weeks in a 288-cell tray

Comments: Warm day temperatures can promote soft growth and excessive stem elongation.

Finishing

Temperature

Day: 68–70 °F (20–21 °C)

Night: 60–62 °F (16–17 °C)

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

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 6,000–8,000 foot candles

Day length response: Facultative long day

Daily light integral: 16–18 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media slightly below the level of media in the container. Make sure 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: 2.3–2.8 mS/cm, PourThru EC: 3.5–4.2 mS/cm

Fertilizer: 200–250 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): Under most growing environments, chemical growth regulation is required to control stem elongation of Arabesque Penstemon. For growth control, use sprays of Sumagic at 5–10 ppm or a tank mix of B-Nine® WSG at 1,500 ppm plus Cycocel® at 750 ppm. Alternatively, drench with Bonzi® at 0.5–2.0 ppm. One to two applications are generally needed.

Tech tip: Pinching Arabesque will result in more blooms at the finishing stage but will delay flowering by 2–3 weeks.

	<p>Try Chrysal Alesco®, a postharvest foliar spray, to protect ethylene sensitive crops during shipping and retail</p>
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Common pests: Aphids, Fungus gnats, Thrips

Common diseases: Botrytis, Pythium, Rhizoctonia, Thielaviopsis, INSV (Impatiens Necrotic Spot Virus)

Scheduling

Size	Crop Time	Plants Per Pot
1.0 quart (4.5 to 5 inch)	11–13 weeks	1 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	11–13 weeks	2 ppp
3.0 quart to 2.0 gallon (7.5 to 10 inch)	11–13 weeks	3–5 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 2.5 quart

Weeks From Transplant	Description
1 week	Provide day extension lighting to 14 hours if under short days
4 weeks	Spray with Sumagic® at 5–10 ppm or a tank mix of B-Nine® WSG at 1,500 ppm plus Cycocel® at 750 ppm or drench with Bonzi® at 0.5–2.0 ppm
7 weeks	Spray with Sumagic® at 5–10 ppm or a tank mix of B-Nine® WSG at 1,500 ppm plus Cycocel® at 750 ppm or drench with Bonzi® at 0.5–2.0 ppm
12 weeks	Ready to ship



Arabesque® Pink

syngenta flowers

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