

English Lavender Scent™

Culture Guide

Botanical name: *Lavandula angustifolia*

Product form: Seed

Containers: Quarts, Gallons

Habit: Mounding

Vernalization: Not required (First Year Flowering)

Garden Specifications

Garden Height: 12–16" (30–40 cm) tall

Garden Width: 6–8" (15–20 cm) wide

Exposure: Full Sun

USDA zone: 5–9

Product use: Packs, Containers, Combos

Germination

Stages 1 & 2

Germination time: 5–6 days

Media temp: 68–72 °F (20–22 °C)

Chamber: Optional

Light: Not required for germination

Seed cover: Yes

Moisture level: 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.

Rec. tray size: 288-cell tray

Seeds per cell: 2–3 seed per cell

Young Plant Production

Stages 3 & 4

Temperature

Day: 66–68 °F (19–20 °C)

Night: 64–66 °F (18–19 °C)

Average daily temperature: 65 °F (19 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 200–250 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ for the first two weeks after sowing or until root development occurs. Light levels can be increased up to 600 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ as rooting increases and the seedling matures.

Day length response: Facultative long day

Daily light integral: 12–14 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$

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 2 and 3.

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

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.

Pinching: Yes. Pinch 7–12 days before transplant.

Plant growth regulators (PGRs): Not necessary

Plug grow time: 9–10 weeks in a 288-cell tray

Comments: Use primed seed to improve germination uniformity and overcome any dormancy issues. Grow plugs at less than 13.5 hours of day length to avoid early flower initiation.

Bulking and Vernalization

Vernalization: Not required (First Year Flowering)

Finishing

Temperature

Day: 72–74 °F (22–23 °C)

Night: 62–64 °F (17–18 °C)

Average daily temperature: 70 °F (21 °C)

Lighting

Day extension lighting: Necessary to 14 hours

Light intensity: 1,200–1,600 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$

Day length response: Facultative long day

Daily light integral: 14–16 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$

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: 75–125 ppm N

Pinching: Yes. If applicable, pinch 14 days after transplant.

Plant growth regulators (PGRs): If needed, use either B-Nine® WSG spray at 2,500 ppm, or Bonzi® spray at 10–15 ppm.



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

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

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.

Common pests: Aphids, Whiteflies

Common diseases: Phytophthora, Pythium, Fungal Leaf Spot

Scheduling

Size	Crop Time	Plants Per Pot
Large Packs	8–9 weeks	6 ppp
1.0 quart (4.5 to 5 inch)	8–9 weeks	1–2 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	9–10 weeks	3 ppp
3.0 quart to 2.0 gallon (7.5 to 10 inch)	10–11 weeks	3–4 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 70 °F (21 °C).

Example crop schedule for a 2.5 quart

Weeks From Transplant	Description
1 week	Transplant 3 plugs in the center of the container
2 weeks	Pinch plants once established in final container for best plant fill and habit
6 weeks	If needed use either, B-Nine® WSG spray at 2,500 ppm, or Bonzi® spray at 10–15 ppm
8 weeks	Finish

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