



# English Lavender Scent<sup>™</sup> syngenta, flowers

# Culture Guide

Botanical name: Lavandula angustifolia

**Product form:** Seed Containers: Ouarts, 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

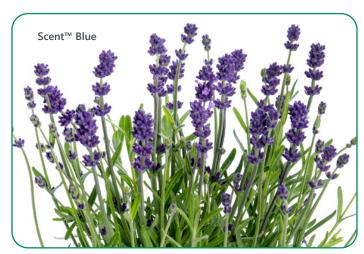
**Light intensity:** 200–250 µmol·m<sup>-2</sup>·s<sup>-1</sup> for the first two weeks after sowing or until root development occurs. Light levels can be increased up to 600 µmol·m<sup>-2</sup>·s<sup>-1</sup> as rooting increases and the seedling matures.

Day length response: Facultative long day Daily light integral: 12-14 mol·m<sup>-2</sup>·d<sup>-1</sup>

**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 µmol·m<sup>-2</sup>·s<sup>-1</sup> **Day length response:** Facultative long day Daily light integral: 14-16 mol·m<sup>-2</sup>·d<sup>-1</sup>







**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.



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

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Common pests: Aphids, Whiteflies

Common diseases: Phytophthora, Pythium, Fungal Leaf

Spot

## Scheduling

Size	Crop Time	Plants Per Pot
Large Packs	8–9 weeks	6 ррр
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 ррр
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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