

## Lavandula Blue Spear

(*Lavandula angustifolia*)

Perennials Culture (revised 11/27/18)

### All your lavender needs in one place!

Blue Spear and Avignon Early Blue join the Ellagance series and Lavance Deep Purple to boost our regionally focused program and round out the *Lavandula angustifolia* assortment from Kieft Seed. Find detailed information in our regional Lavender Scheduling Tool at [panamseed.com/perennials](http://panamseed.com/perennials).

**Plug crop time:** 5 to 6 weeks

**Transplant to finish:** 11 to 15 weeks (24 to 36 weeks overwintered)

- *The showiest English Lavender you can grow and sell!* Blue Spear shows off bigger, taller spikes than any other seed lavender, with more upright flower stems that stand closer to each other for huge impact from a distance.
- Very easy to grow, with high uniformity, good habit and earliness (if grown with minimum 12-hour daylength).
- Bred for maximum show, Blue Spear is best used as a perennial in USDA Hardiness Zones 6a to 8b.

## General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Late Spring, Summer	11-13 in. (28-33 cm)	9-11 in. (23-28 cm)	12 in. (30 cm)

## Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
PRM	288 128*	3-4 5-6	6-8 8-9	4-5	5.8-6.5 pH 0.7-1.2 mmhos/cm	Yes

\* Recommend plug size for forcing.

## Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
<b>Moisture</b>	Level 4	Level 3	Level 2-3	Level 2
<b>Temperature</b>	65-68°F (18-20°C)	65-68°F (18-20°C)	60-65°F (16-18°C)	60-65°F (16-18°C)
<b>Light</b>	Light	2,000-2,500 f.c. (21,500-26,900 Lux)	2,500-3,500 f.c. (26,900-37,700 Lux)	4,000-5,000 f.c. (43,100-53,800 Lux)
<b>Fertilizer</b>	100 to 175 ppm N - 0.7 to 1.2 EC	100 to 175 ppm N - 0.7 to 1.2 EC	175 to 225 ppm N - 1.2 to 1.5 EC	175 to 225 ppm N - 1.2 to 1.5 EC
<b>PGR</b>			daminozide/1,000-2,000 ppm/Spray	daminozide/1,000-2,000 ppm/Spray

## Vernalization

No

## Propagation Key Tips

For forcing info: see Perennials Forcing Guide

For scheduling info: see Lavender scheduling tool

Spray damp-off fungicide. Provide good ventilation and active respiration in plug production. Grow on the dry side, watering in the early morning to allow the plugs to dry up during the day. If respiration and fertilization are too low, *Lavandula angustifolia* can show "black spots" on cotyledons due to root pressure damage. This is reversible with improved ventilation and higher fertilization.

## Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
(day) 60-72°F (16-22°C) (night) 54-60°F (12-16°C)	5.8-6.5 pH 1.1-1.4 mmhos/cm	100 to 175 ppm N - 0.7 to 1.2 EC	Facultative Long Day

### Daylength Notation

Critical Daylength: 11 hours in High DLI (15Mol/day/m<sup>2</sup>); 12 hours in Low DLI (5Mol/day/m<sup>2</sup>)  
See Lavender Scheduling Tool at panamseed.com for finishing schedules per region.

## Crop Scheduling

Crop Type	Container Size	Plugs/Pot	Crop Time	Season	PGR
Annual	4"/4.5"/Quart	1 (ppp)	9-12 (weeks)	Late Spring, ADT 65°F (18°C)	daminozide 2,000-3,000 ppm Spray
Annual	4"/4.5"/Quart	1 (ppp)	9-10 (weeks)	Summer, ADT 65°F (18°C)	daminozide 2,000-3,000 ppm Spray
Annual	5"/6"/1 Gallon	1-3 (ppp)	9-11 (weeks)	Summer, ADT 65°F (18°C)	daminozide 2,000-3,000 ppm Spray
Annual	5"/6"/1 Gallon	1-3 (ppp)	10-12 (weeks)	Late Spring, ADT 65°F (18°C)	daminozide 2,000-3,000 ppm Spray

### Fertilizer Notation

Apply constant fertilizer at rate 1 to 2 (100 to 125 ppm N/0.7 to 1.2 mmhos/cm EC or 150 ppm as needed). Maintain the pH at 5.8 to 6.5 and EC 1.2 to 1.5 mmhos/cm. For overwintering outside, add some extra nitrate-based fertilizer in early Spring (EC 1.5 to 1.6 mmhos/cm) when plants start to re-grow.

### Common Problems

Needs an active climate, with good airflow, low RH and to grow relatively dry. Must have excellent soil drainage, but also container field drainage. Will be prone to fungal disease (Leafspot, Botrytis) when in high RH, little airflow and low light. Lavandula plants need to be dry when being shipped. No overhead watering in shipping, nor at retail environment.

### Finishing Key Tips

Avoid planting plugs deep. Keep plug surface same as medium surface. Grow with low RH and high light. Let top soil dry in between waterings, but do not allow medium to dry, as high EC could cause root damage. Monitor for Botrytis, Root Rot, Leafspot, Aphids and Mites. For shipping, keep soil moist and plant dry.

NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

## Variety Pictures



Blue Spear



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