GrowerFacts

PanAmerican Seed®

Penstemon Electric Blue

(Penstemon heterophyllus)

Perennials Culture (revised 10/14/25)

Plug crop time: 4 to 5 weeks
Transplant to finish: 12 to 13 weeks

- Good performer in warm climates, producing multiple stems with branched spikes holding intense blue flowers.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Summer, Late Summer	18 in. (46 cm)	24 in. (61 cm)	24-26 in. (61-66 cm)

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days from 50% to maximum germination	Initial Media pH/EC (1:2)	Cover Seed
RAW	288	1	4-5	8-10	5.8-6.5 pH 0.75 mmhos/cm	No

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3	Level 2	Level 2
Temperature	65-74°F (18-23°C)	65-68°F (18-20°C)	60-65°F (16-18°C)	60-65°F (16-18°C)
Light	Optional	2,000-2,500 f.c. (21,500-26,900 Lux)	3,000-4,000 f.c. (32,300-43,100 Lux)	4,000-5,000 f.c. (43,100-53,800 Lux)
Fertiliser		100 to 175 ppm N (0.7 to 1.2 EC)	100 to 175 ppm N (0.7 to 1.2 EC)	100 to 175 ppm N (0.7 to 1.2 EC)

Vernalisation

No - but beneficial; cooled plants flower more uniformly and faster than non-cooled plants; duration of 10 weeks at 41°F (5°C)

Propagation Key Tips

Needs active growing climate.

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 66-70°F (19-21°C) **(night)** 62-66°F (17-19°C)	5.8-6.5 pH 1.0-1.5 mmhos/cm	100 to 175 ppm N (0.7 to 1.2 EC)	Day Neutral

Daylength Notation

Needs high light intensity for complete, rapid and uniform flowering.

Crop Scheduling

Crop Type	Container Size	Plugs/Pot	Crop Time	Season	PGR
Annual	4"/4.5"/Quart/10 cm	1 (ppp)	11-13 (weeks)	Summer	-
Annual	4"/4.5"/Quart/10 cm	1 (ppp)	12-14 (weeks)	Late Spring	-
Annual	5"/6"/1 Gallon/15 cm	2-3 (ppp)	11-13 (weeks)	Summer	-
Annual	5"/6"/1 Gallon/15 cm	2-3 (ppp)	12-14 (weeks)	Late Spring	-

Fertiliser Notation

Apply fertiliser at rate 2 to 3 (150 to 225 ppm N/1.1 to 1.5 mmhos/cm EC) from nitrate-based fertiliser. Avoid high ammonium level.

Common Problems

Insect: Aphids, Spider Mites, Whiteflies Disease: Powdery Mildew

Finishing Key Tips

Bulking prior to vernalisation ensures pot-fill and improves flowering uniformity. Monitor for Whiteflies.

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


Electric Blue

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