GrowerFacts

PanAmerican Seed®

Lisianthus ABC™ F_1 Series

(Eustoma grandiflorum)

Cut Flowers Culture (revised 10/03/24)

ABC Lisianthus have large double flowers and are ideally suited to tunnel and outdoor production. They have been bred and selected for reduced sensitivity to rosetting, resulting in less risk in production.

General Information

Cultivation Type	Usage	Stem Length	Timing Group
Greenhouse, Tunnel	Focal	36-45 in. (91-114 cm)	1

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
PEL	406	1	8-10	8-12	5.8-6.2 pH 0.75 mmhos/cm	Light cover

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 3-4	Level 3
Temperature	68-72°F (20-22°C)	68-72°F (20-22°C)	65-68°F (18-20°C)	62-65°F (17-18°C)
Light		1,000-2,500 f.c. (10,800-26,900 Lux)	1,000-2,500 f.c. (10,800-26,900 Lux)	2,500-5,000 f.c. (26,900-53,800 Lux)
Fertiliser	Less than 100 ppm N (Less than 0.7 EC)	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)

Propagation Key Tips

Avoid high media temperature (>72°F/22°C) beginning in Stage 2, as it can induce rosetting in the seedling, which will cause stunting after the plugs are transplanted. Also, it is very important to establish a preventative disease and insect control practice for lisianthus production.

Growing on to Finish

Target Media pH/EC (1:2)	Fertiliser	Daylength
5.8-6.5 pH 1.5-2.0 mmhos/cm	100 to 175 ppm N (0.7 to 1.2 EC)	Facultative Long Day

Daylength Notation

During Winter when daylength is shorter than 12 hours, supplemental light (incandescent or HID) can be used. Long-day (greater than 14 hours) or night interruption from 10 p.m. to 2 a.m. will accelerate flowering. HID light is preferred, as it increases flower quality and decreases crop time.

Crop Scheduling

Cultivation Type	Support	Temperature	Density	Crop Time
Greenhouse	Recommended	18-27°C/65-80°F (day) 13-16°C/55-60°F (night)	6-8 plants/ft² (65-86 plants/m²)	13-16 weeks
Tunnel	Recommended	18-27°C/65-80°F (day) 13-16°C/55-60°F (night)	6-8 plants/ft² (65-86 plants/m²)	13-16 weeks

Common Problems

Insects: Aphids, Leaf Miners, Thrips, Whiteflies Diseases: Botrytis, Fusarium, Pythium, Rhizoctonia, Tospo Viruses Other: Algae over plug tray surfaces, rosetting

Finishing Key Tips

As a general guide, the time from transplant to harvest for the ABC series will be 16 weeks for Seasonality Number 1 varieties grown under short days, to 13 weeks for Seasonality Number 3 varieties grown under long days. Crop time is dependent on time of year, temperature, daylength and light intensity, and also on supplemental lighting and greenhouse conditions.

Harvest

Harvest when the first flower has fully opened.

Post Harvest

Hydrate flowers with a floral hydration solution for one hour at room temperature. Store in a cooler at 2-5°C (36-41°F) in a commercial floral holding solution at the manufacturer's recommended rates.

Vase Life

10-14 days

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


1 Deep Rose


1 Green


1 Misty Blue


1 Purple


1 Rose Rim


1 White


2 Blue


2 Blue Rim


2 Lavender


2 Misty Blue


2 Misty Pink


2 Purple


2 Rose


3 Purple


3 Rose


3 White


3 Yellow

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