GrowerFacts

PanAmericanSeed®

Hibiscus Luna™ F_1 Series

(Hibiscus moscheutos)

Perennials Culture (revised 11/08/23)

Plug crop time: 3 to 4 weeks
Transplant to finish: 10 to 13 weeks

- Produces big, bushy, well-branched plants without pinching.
- Numerous 6 to 8-in./15 to 20-cm flowers.
- Ideal for large containers or in perennial gardens.
- Very responsive to PGRs.
- Higher germination than other seed varieties.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Summer, Late Summer	24-36 in. (61-91 cm)	24 in. (61 cm)	24-36 in. (61-91 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	288 128*	1 1	3-4 4	3-5	5.5-6.3 pH 0.75 mmhos/cm	Yes

* Recommend plug size for forcing.

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3	Level 2	Level 2
Temperature	68-75°F (20-24°C)	68-71°F (20-22°C)	68-71°F (20-22°C)	68-71°F (20-22°C)
Light	Dark	2,000-2,500 f.c. (21,500-26,900 Lux)	2,000-2,500 f.c. (21,500-26,900 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)
PGR			chlormequat chloride/300 ppm/Spray	chlormequat chloride/300 ppm/Spray

Vernalisation

No - damage to plugs results below 41°F (5°C)

Propagation Key Tips

For forcing info: See Perennials Forcing Guide.
Cover seed with plug media. Grow plants under daily average temperature above 68°F (20°C) and keep media moist to wet. Use PGRs in warmer conditions from true leaf stage onwards: tank mix of Cycocel (chlormequat chloride) 300 ppm and B-Nine (daminozide) 2,500 ppm.

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 70-85°F (21-29°C) **(night)** 65-70°F (18-21°C)	6.0-6.5 pH 1.5-2.0 mmhos/cm	225 to 300 ppm N (1.5 to 2.0 EC)	Facultative Long Day

Daylength Notation

Long day min. 12 hours; optimum 14 hours or longer.

Crop Scheduling

Crop Type	Container Size	Plugs/Pot	Crop Time	Season	PGR
Annual	4"/4.5"/Quart/10 cm	1 (ppp)	10-13 (weeks)	Summer	daminozide/chlormequat chloride tank mix 750-2,500 ppm Spray
Annual	5"/6"/1 Gallon/15 cm	1 (ppp)	10-13 (weeks)	Summer	daminozide/chlormequat chloride tank mix 750-2,500 ppm Spray

Fertiliser Notation

Feed plants weekly at 200 to 250 ppm N in a well-balanced fertilizer.
Sensitivity to iron (Fe) and manganese (Mn). Both are difficult to absorb under wet conditions, and we recommend wet conditions for Luna. Over-pasteurization (steam) will release Mn. Mn toxicity causes leaf spotting and death.

Chemical Sensitivity

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Common Problems

Luna Hibiscus likes warm growing conditions. The daily average temperature (DAT) above 68°F is highly recommended. Growing continuously under DAT below 68°F causes foliage chlorosis or bronzing and a long crop time. Above DAT 68°F, the warmer the temperature, the faster crop time.

Finishing Key Tips

Does not need pinching. Maintain media in high moisture. Growing plant too dry will result in flower bud abortion. Monitor for Thrips, Aphids and Spider Mites. Growth stops and lower leaves turn yellow when grown below 68°F (20°C). In Southern climates, stronger PGRs may be needed; option is Bonzi 0.5 ppm drench. High light will promote branching and reduce plant height. Spacing when plants touch each other is highly recommended.

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

Pink Swirl

Red

Rose

White

Mixture

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