

Begonia Gryphon

(*Begonia x hybrida*)

Annuals Culture (revised 08/07/19)

Plug crop time: 8 to 9 weeks

Transplant to finish: 5 to 6 weeks

- Easy-care, low-water plant blends beauty with durability to make dramatic mixed or solo containers.
- Fits into existing begonia plug culture; easier and quicker to produce than vegetative foliage types.
- More tolerant of stress than Rex begonias for less shrink.
- Retailers appreciate the longer sales window and versatility for outdoor container and indoor potted plant sales.
- Lets consumers extend their enjoyment by bringing plants indoors at the end of the season.

General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|--------------------|--------------|-------------------------|-------------------------|-------------------------|
| Shade, Partial Sun | - | 14-16 in. (36-41 cm) | 16-18 in. (41-46 cm) | 16-18 in. (41-46 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 |
|-----------|-----------------------|------------|-----------------|--------------------------------------|----------------------------|------------|
| MPL | 288 | 1 | 8-9 | 10-12 | 5.8-6.2 pH 0.5 mmhos/cm | No |

Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|--------------------|----------------------|---|---|---|
| Moisture | Level 5 | Level 4-5 | Level 3-4 | Level 3 |
| Temperature | 72-78°F (22-26°C) | 71-76°F (22-24°C) | 68-73°F (20-23°C) | 65-67°F (18-19°C) |
| Light | Light | 2,000-2,500 f.c. (21,500-26,900 Lux) | 2,500-5,000 f.c. (26,900-53,800 Lux) | 2,500-5,000 f.c. (26,900-53,800 Lux) |
| Fertilizer | | 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) |

Propagation Key Tips

A saturated media and high relative humidity are critical to successful germination.

Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertilizer | Daylength |
|--|----------------------------|-------------------------------------|-----------------------|
| (day) 65-75°F (18-24°C) (night) 62-67°F (17-19°C) | 5.4-6.0 pH 1.0 mmhos/cm | 175 to 225 ppm N (1.2 to 1.5 EC) | Facultative Short Day |

Daylength Notation

Gryphon is a foliage plant, but plant could flower when grown under a daylength of 11 hours or shorter. Under daylength longer than 11 hours, flowering will be significantly delayed or plants will never flower.

Crop Scheduling

| Container Size | Plugs/Pot | Crop Time | Season | PGR |
|------------------------------|-----------|--------------|--------|-----|
| 4"/4.5"/Quart/10 cm | 1 (ppp) | 5-6 (weeks) | Summer | - |
| 5"/6"/1 Gallon/15 cm | 2-3 (ppp) | 5-6 (weeks) | Summer | - |
| 8"/2 Gallon/20 cm | 3 (ppp) | 7-8 (weeks) | Summer | - |
| 12" Pot or HB/5 Gallon/30 cm | 3-4 (ppp) | 9-11 (weeks) | Summer | - |

Chemical Sensitivity

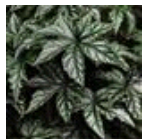
Avoid using Cycocel alone, as it can cause phytotoxicity. Also use caution with Bonzi, Topflor and Sumagic, as they can stunt plants.

Finishing Key Tips

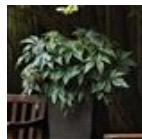
To avoid flowering as a foliage plant, grow under daylength longer than 11 hours.

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.

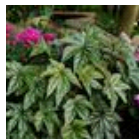
Variety Pictures



Gryphon



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