

ANNUAL PROPAGATION **BEGONIA MISS**

Begonia x hybrida



TRAY & ROOTING

Form	Vegetative Cutting (URC)
Rooting Hormone?	No
Tray Size	
Plants Per Cell	1
Days In Mist	14-21
Wks. From Stick To Transplant	4-5
Propagation Pinch?	Yes
Weeks To Pinch	3 *must be pinched early prior to reaching 5 nodes

FERTILITY

Fertilize Through Mist?	None
Fertilizer Rate	50-100ppm N
EC Range	Low: (0.8-2.0 mS via SME)
pH Range	5.6-6.2

TEMPERATURE

Average Soil Temp	21-24°C
Average Air Temp (Day)	24-27°C
Average Air Temp(Night)	20-22°C

IRRIGATION

Irrigation Frequency	Level 2: Allow media to dry moderately between thorough waterings
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LIGHT

Daylength Neutral?	No
Supplemental	14 hour days
Benefits From Shade?	Yes

POTENTIAL DISEASES

Botrytis, Xanthemonus, Powdery Mildew

POTENTIAL PESTS

White Fly, Mites, Thrips

PGR SUGGESTIONS

- Chlormequat

CULTIVAR LIST

Miss Montreal, Miss Malibu



TIPS

- Unpack and sort cuttings in a cooler at 12°. Store in cooler overnight if not stuck immediately.
- Use care when sticking to not cover the apical growing point of the cutting by arranging the large leaves in one direction.
- Apply only enough mist to keep the cuttings turgid. Mist may be required both day and night for the first 10-14 days. Once cuttings begin to root, mist should be reduced and completely off by around day 20.
- Between September 21 and March 21, cuttings must receive long photo periods during propagation to prevent premature flowering.

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Joel Kempfer - Product Manager

J.kempfer@dummenorange.com

614-850-9551

DummenOrange.com

ANNUAL FINISHING **BEGONIA MISS**

Begonia x hybrida



CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
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10 cm	1	6-9
15 cm	2-3	9-12
22 cm and up	4-5	10-14

FERTILITY

Fertilizer Rate	100-150 ppm N
EC Range	Moderate: (2.0-3.5 mS via SME)
pH Range	5.6-6.2

TEMPERATURE

Day Temperature	20-24°C
Night Temperature	65-73°F (18-23°C)

IRRIGATION

Irrigation Frequency	Level 3: Keep media moderately moist with mild dry cycles
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LIGHT

Daylength Neutral?	No
Optimum Light Level	3,000-7,000 fc (32,300-75,300 lux)
Supplemental	Night interruption
Benefits From Shade?	Yes

PINCHING

Finishing Pinch?	Optional
Transplant to Pinch (days)	If not pinched in prop, pinch upon transplant to three nodes

POTENTIAL DISEASES

Botrytis, Xanthemonus, Powdery Mildew

POTENTIAL PESTS

White Fly, Mites, Thrips

PGR SUGGESTIONS

- Chlormequat
- Low rates Daminozide or Chlormequat or a tank mix spray can be applied to control growth as needed.



TIPS

- Unbelievable Begonias finish best under moderate light of 3000-5000 fc (32000-54000 lux) Avoid moving plants from moderate light to high light or to high temperatures without acclimating first. This can result in scorched leaves.
- Several environmental/production factors can be used to initiate flowers once the plants are 2/3 the desired finish size. Black cloth for 14 days, moisture stress (letting the plants slightly wilt several times before watering), low fertility (withholding fertilizer application for 14 days), a plant growth regulator application, or a combination of these tactics. Plants should finish in 4-6 weeks after flower initiation. After induction, return plants to the same production

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ANNUAL

FEATURES AND BENEFITS

BEGONIA MISS

Begonia x hybrida



KEY INFORMATION

Primary Common Name	Begonia
Consumer Watering Instructions	Keep soil evenly moist, but not saturated.
Bloom Time	Blooms Spring to Autumn
Exposure	Full Sun to Full Shade
Height	12-16 inches (30-41 cm)
Garden Spacing	30-41 cm

DESCRIPTION



CONSUMER APPEAL

- The most advanced hybrid Begonia genetics are fully exhibited in the Miss series. With absurd flower power, little-to-no shedding, and large elegant flowers, these cultivars are the future of begonias.
- Wonderful colors that pop against deep begonia foliage.
- Resistant to rabbits and the allelopathic biochemicals

GARDEN ATTRIBUTES

- Ideal for patio containers, but can perform well in some landscapes as well.
- Prefers moist, well drained soils.
- Wonderfully colorful blooms produced continuously all summer long that are perfect for high traffic areas.



NATIVITY

Of hybrid origin: parental lineages native to South and Central America, Asia, and Africa.

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