

ANNUAL PROPAGATION **BEGONIA SOLENIA**

Begonia x hiemalis (x elatior)



TRAY & ROOTING

Form	Vegetative Cutting (URC)
Rooting Hormone?	No
Tray Size	50, 72, 84, 105
Plants Per Cell	1
Days In Mist	7-10
Wks. From Stick To Transplant	5
Propagation Pinch?	Yes
Weeks To Pinch	4

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	68-72°F (20-22°C)
Average Air Temp (Day)	70-75°F (21-24°C)
Average Air Temp(Night)	68-72°F (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

Pythium, Rhizoctonia, Powdery Mildew

POTENTIAL PESTS

Fungus Gnats, Mites, Shore Flies

PGR SUGGESTIONS

- Cycocel (11.8% Chlormequat) 750-1500ppm as needed



TIPS

- Soft pinch, roll the tip out. Avoid hard pinch.
- 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. Mum lighting from 10pm to 2am or HID supplemental light from sundown to 2 am can be used to provide long days.
- Provide 16hr long days for the first 7 days after unrooted cuttings are stuck.

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ANNUAL
FINISHING
BEGONIA SOLENIA

Begonia x hiemalis (x elatior)



CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
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4 in. (10 cm) **1** **8**

6 in. (15 cm) **1** **8**

8 in. (19 cm) **3** **8**

FERTILITY

Fertilizer Rate **100-150 ppm N**

EC Range **Low: (0.8-2.0 mS via SME)**

pH Range **5.6-6.2**

TEMPERATURE

Day Temperature **65-73°F (18-23°C)**

Night Temperature **68-75°F (20-24°C)**

IRRIGATION

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

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? **Yes**

Transplant to Pinch (days) **7-14**

POTENTIAL DISEASES

Pythium, Rhizoctonia, Powdery Mildew

POTENTIAL PESTS

Fungus Gnats, Mites, Shore Flies

PGR SUGGESTIONS

- Cycocel (11.8% Chlormequat) at 750ppm spray as needed
- Bonzi (0.4% Paclobutrazol) drenches 0.1-0.25ppm volume calculated drench if needed to hold.



'Light Pink'

TIPS

- Grow plants under long days to build the chassis. Light levels should not exceed 4000 fc (43,100 lux). A steady environment with little fluctuation in temperature and moisture is important during vegetative growth. Buds that develop during this phase should be removed manually to promote vegetative growth. The plant should be 2/3 the desired finish size before initiating flower.
- Avoid high-phosphorus fertilizers.
- Soft pinch at transplant.

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FEATURES AND BENEFITS

BEGONIA SOLENIA

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KEY INFORMATION

Primary Common Name	Begonia
Consumer Watering Instructions	Keep soil evenly moist, but not saturated.
Bloom Time	Blooms Spring to Summer
Exposure	Full Sun to Part Shade
Height	8-12 inches (20-30 cm)
Garden Spacing	15-18 inches (38-46 cm)

DESCRIPTION

Excellent pot and garden performance bred for full sun and continuous flowering throughout the summer.

'Solenia Orange' and 'Solenia Pink' were classified as Plants of Distinction at the University of Georgia Trial Gardens in 2016.

CONSUMER APPEAL

- Solenia features a large assortment of vibrant colors. Versatile series that is easy to grow and tolerant of disease.
- Resistant to rabbits and the allelopathic biochemicals produced by black walnut trees.
- Large double flowers stand out at retail and with the consumer.

GARDEN ATTRIBUTES

- Ideal for patio containers, but can perform well in some landscapes as well.
- Prefers moist, well drained soils.
- Trailing/mounded habit excellent for containers, baskets or landscape planting.

NATIVITY

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



'Deep Orange'



'Dusty Rose'

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