

Benary's Interspecific  
**Begonia Portfolio**

**BIG. BIGGER. MONUMENTAL.**





BIG DeluXXe

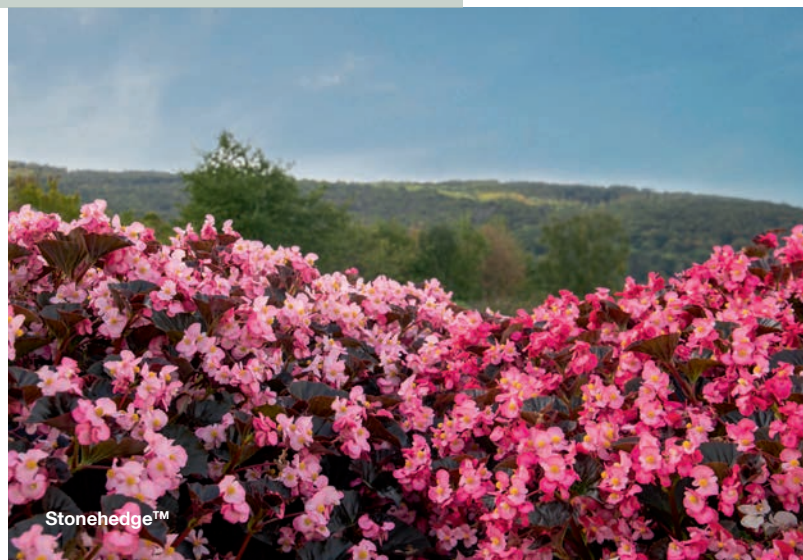


BIG in mixed container

## The Broadest Range in Interspecific Begonias!

### Now more choices than ever!

- Different sizes for different applications
- Extraordinary flower power
- Vigorous well-branched plants for creative container and landscape applications
- Outstanding performers in all climates and soils
- Rain and heat tolerant



Stonehedge™

### BIG, BIGGER, MONUMENTAL



BIG 60-80 cm Height



BIG DeluXXe 80-100 cm Height



Stonehedge™ 100-120 cm Height

	↑	⚙️	☀️	○○○
<b>BIG</b>	60-80 cm	55-60 cm	Sun - Partial Shade	Pelleted
<b>BIG DeluXXe</b>	80-100 cm	60-65 cm	Sun - Partial Shade	Pelleted
<b>Stonehedge™</b>	100-120 cm	70-80 cm	Sun - Partial Shade	Pelleted



I'M  
KIND OF  
A **BIG**  
DEAL.



## The Most Trusted Begonia in its Class. Period. Everywhere!

BIG White Green Leaf

Begonia x benariensis F<sub>1</sub>

**BIG**

New  
Color

The First Interspecific Begonia on the Market

- Vigorous, well-branched and uniform plants for landscape use as well as containers
- Extraordinary flower power with a BIG flower size
- Flowering two weeks earlier than competing varieties
- Outstanding performer in all climates and soils
- Rain and heat tolerant



**White Green Leaf**

C 4001P

U.S. Patent No.: 11,032,987



**Pink Green Leaf**

C 4010P

U.S. Patent No.: 9,295,208



**Deep Pink Green Leaf**

C 4011P



**Rose Green Leaf**

C 4030P

U.S. Patent No.: 9,295,209



**Red Green Leaf**

C 4020P

U.S. Patent No.: 9,955,637



**Pink Bronze Leaf**

C 4015P



**Rose Bronze Leaf**

C 4130P



**Deep Rose Bronze Leaf**

C 4040P



**Red Bronze Leaf**

C 4140P





I'M  
KIND OF  
A **BIG**  
DEAL.

## Landscapers' Favorite for High-Impact Color!

BIG DeluXXe Series

Begonia x benariensis F<sub>1</sub>

**BIG DeluXXe**

New  
Color

A Premium Product for Premium Landscape Application

- 20–25 % larger than BIG
- Eye-catching season extender with extraordinary flower power
- Outstanding show as well-branched solitary plant
- Rain and drought tolerant, disease resistant
- Thrives in all climates and soils



**White Green Leaf**  
C 4050P



**Pink Green Leaf**  
C 4112P



**Rose Green Leaf**  
C 4012P  
U.S. Patent No.: 9,949,454



**Red Green Leaf**  
C 4022P



**Rose Bronze Leaf**  
C 4132P



**Red Bronze Leaf**  
C 4142P  
U.S. Patent No.: 9,949,454







## Magical - Mystical - Monumental

Stonehedge™ Light Pink Bronze Leaf & Rose Bronze Leaf

Begonia interspecific  $F_1$

**Stonehedge™**

New  
Series

First Interspecific Multiflora Begonia

- New to the world interspecific begonia with an extraordinary branching
- Very early, impressive free-flowering plants
- Eye-catching, bronze leaves
- Round plant habit



Light Pink Bronze Leaf  
C 4185P



Rose Bronze Leaf  
C 4195P





## Technical Information

Begonia x benariensis F<sub>1</sub> **BIG / BIG DeluXXe**

Begonia interspecific F<sub>1</sub> **Stonehedge™**

**Cultivation:** Annual

### PRODUCT USE

**BIG / BIG DeluXXe :** Packs, pots, hanging baskets, containers and landscape

**Stonehedge™:** Pots, containers and landscape

**Minimum Germination Rate:** 90 %

**Sowing method:** 1-2 pellets per plug. Light is required for germination - no covering.

**Media:** pH 5.5-5.9; EC 0.5-0.75

### PLUG CULTURE

**Temperature:** Maintain 22-24 °C days 1-11. For irrigation use warm water (above 18 °C) only.

**Moisture:** Begin with a saturated substrate for the first 10 days and on day 11 begin to dry it back slightly to wet. This will help in the seedlings rooting into the media.

**Humidity:** 95-100 % until day 11; then reduce to 40-60 %.

**Light:** Protect the seedlings from direct sunlight until they are well established. On day 21-22 the light levels can be raised to 10-12 mol/m<sup>2</sup>/day (3,000-3,500 ft. candles or 30,000-35,000 lx).

**Fertilizer:** Maintain an EC < 1.0, fertigation water should not exceed an EC of 0.5 for **BIG / BIG DeluXXe**. For **Stonehedge™** maintain an EC < 1.2, fertilized water should not exceed an EC of 0.8. Initial feeding should be with a balanced fertilizer low in ammonium. Begin feeding on day 10 with a 14-4-14, 14-2-14 or 17-5-17 fertilizer at 50-60 ppm.

**Growth Regulators:** No growth regulators should be necessary since growth can be controlled by temperature and moisture management. In the finishing stages lower temperatures of 12-14 °C will help to control leaf size and stem elongation.

Plug Crop Time			
	BIG	BIG DeluXXe	Stonehedge™
288 tray	7-8 wks	7-8 wks	5-6 wks
128 tray	9-10 wks	9-10 wks	4-5 wks

### GROWING ON

**Media:** pH 5.5-5.8; EC 1.2-1.5

Avoid watering plants under high temperature and light when the leaf temperature is excessive.

**Temperature:** Maintain 20-21 °C night and days for the first 14 days or until the roots reach the bottom of the container. Thereafter temperatures may be lowered to 16-18 °C day and night. An average daily temperature of 19 °C will give the fastest finished crop. Once well established in the final container, approximately two to three weeks after transplanting from a 288 plug tray, the temperature can be lowered further to 13-15 °C.

**Moisture:** Alternate between wet and medium moisture levels. Let the plants dry back to at least a medium before re-saturating to a wet substrate. Providing good ventilation and horizontal airflow will help lower the humidity and dry back the media, providing oxygen to the roots.

**Fertilization:** Begin fertilizing early to improve seedling quality. Fertilize the crop weekly with 50-100 ppm, working up to 100-150 ppm using a complete balanced fertilizer. Avoid high ammonium and high nitrogen levels, because the foliage can grow very large. Under high light conditions use an ammonium based fertilizer (17-5-17) and under low light use a calcium based fertilizer (14-4-14). Overall, **Stonehedge™** is more hungry than **BIG / BIG DeluXXe**.

**Light:** Provide 12-14 mol/m<sup>2</sup>/day (3,500-4,000 ft. candles; 35,000-40,000 lx).

**Growth Regulators:** With proper moisture and temperature management there should not be a need for growth regulators. Approximately two weeks after transplanting a plug, when plants are established in the final container, a very light application of Cycocel can be applied.

**Post Harvest:** Fertilize with potassium nitrate at 100 ppm 1-2 weeks prior to shipping.

Finished Crop Time (from 288 tray)			
	BIG	BIG DeluXXe	Stonehedge™
12 cm pots (1*)	6-7 wks	8-9 wks	5-6 wks
15 cm pots (1-2*)	7-8 wks	9-10 wks	6-7 wks
20 cm pots (3*)	8-9 wks	10-11 wks	7-8 wks
25 cm pots / baskets (3-4*)	9-11 wks	11-12 wks	8-10 wks

\* plants per pot

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