

Benary's Interspecific  
**Begonia Portfolio**

**BIG. BIGGER. MONUMENTAL.**





New

## Introducing BIG White Bronze Leaf, the first White Begonia with Lush Bronze Leaves in its Class!

BIG® White Bronze Leaf

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

**BIG®**

New  
Color

Imp  
Color

The Most Reliable 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, heat and drought tolerant, disease resistant



**White Green Leaf**  
C 4000P



**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



**White Bronze Leaf**  
C 4003P



**Pink Bronze Leaf**  
C 4015P



**Rose Bronze Leaf**  
C 4130P



**Deep Rose Bronze Leaf**  
C 4040P



**Red Bronze Leaf**  
C 4140P







## Landscapers' Favorite for High-impact Color!

Whopper® Series

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

**Whopper®**

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, heat and drought tolerant, disease resistant
- Thrives in all climates and soils



**White Green Leaf**  
C 4050P



**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

\* Exclusively available through Ball Seed in North America.







## Magical - Mystical - Monumental

Stonehedge™ Light Pink Bronze Leaf & Rose Bronze Leaf

Begonia interspecific F<sub>1</sub>

**Stonehedge™**

First Interspecific Multiflora Begonia

- New vigorous interspecific begonia with an extraordinary “hyper-branching” habit.
- Great for creating a dense and vigorous “hedge” effect in the landscape
- Impressive, free-flowering throughout the summer
- Vigorous mounded habit in containers



Light Pink Bronze Leaf  
C 4185P



Rose Bronze Leaf  
C 4195P



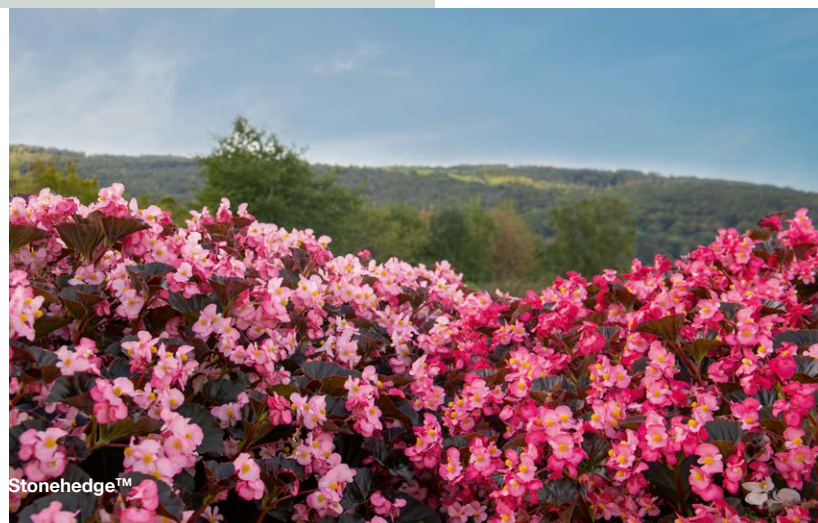




## The Broadest Range in Interspecific Begonias!

### Three series that check all the boxes!

- 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



### BIG, BIGGER, MONUMENTAL

**BIG®** 24-30" (60-80 cm) Height



**Whopper®** 32-40" (80-100 cm) Height



**Stonehedge™** 40-48" (100-120 cm) Height



	↑		↔		☀	○○○
<b>BIG®</b>	24-30"	60-80 cm	22-24"	55-60 cm	Sun - Shade	Pelleted
<b>Whopper®</b>	32-40"	80-100 cm	24-26"	60-65 cm	Sun - Shade	Pelleted
<b>Stonehedge™</b>	40-48"	100-120 cm	27-32"	70-80 cm	Sun - Partial Shade	Pelleted

## Technical Information

Begonia x benariensis F<sub>1</sub> **BIG® / Whopper®**

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

**Uses:** Annual

### PRODUCT USE

**BIG® / Whopper® / Stonehedge™:** Pots, hanging baskets, mixed containers, containers and landscape

**Minimum Germination Rate:** 90 %

**Sowing method:** 1 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 72-76 °F (22-24 °C) days 1-11.  
For irrigation use warm water (above 64 °F+ / 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® / Whopper®**. 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 54-57 °F (12-14 °C) will help to control leaf size and stem elongation.

Plug Crop Time			
	BIG®	Whopper®	Stonehedge™
288 tray	7-8 wks	7-8 wks	7-8 wks
128 tray	9-10 wks	9-10 wks	9-10 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 68-70 °F (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 60-64 °F (16-18 °C) day and night. An average daily temperature of 66 °F (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 55-59 °F (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® / Whopper®**.

**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®	Whopper®	Stonehedge™
5" / 12 cm pots (1*)	6-7 wks	-	-
6" / 1 Gal (15 cm) pots (1-2*)	7-8 wks	7-8 wks	6-7 wks
8" / 20 cm pots (1-3*)	8-9 wks	8-9 wks	8-9 wks
10" / 25 cm pots/ baskets (3*)	9-10 wks	9-10 wks	9-10 wks

\* plants per pot

### Find detailed tech info in our Technical Guide.

All information is based on our own trials and would therefore be as guideline only. Detailed cultivation aspects vary depending on climate, location, time of year and environmental conditions. Benary expressly disclaims any responsibility for the content of such data / information and makes no representation or warranty for the cultivation of any products listed. It is recommended that growers conduct a trial of products under their own conditions.

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