

Benary's Interspecific
Begonia Portfolio



BIG. BIGGER. MONUMENTAL.

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



New

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

BIG White Bronze Leaf

Begonia x benariensis F₁

BIG

New
Color

Imp
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 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



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



Landscapers' Favorite for High-Impact Color!

BIG DeluXXe Series

Begonia x benariensis F₁

BIG DeluXXe

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 F₁

Stonehedge™

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

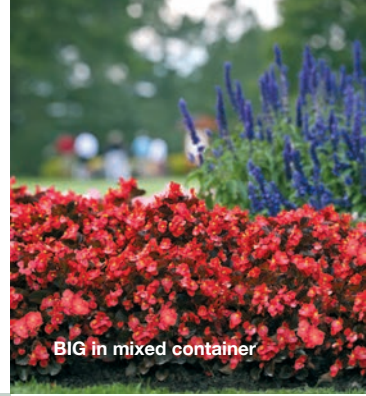


Rose Bronze Leaf
C 4195P





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

	↑	↔	☀	○○○
BIG	60-80 cm	55-60 cm	Sun - Partial Shade	Pelleted
BIG DeluXXe	80-100 cm	60-65 cm	Sun - Partial Shade	Pelleted
Stonehedge™	100-120 cm	70-80 cm	Sun - Partial Shade	Pelleted

Technical Information

Begonia x benariensis F₁ **BIG / BIG DeluXXe**

Begonia interspecific F₁ **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/m²/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/m²/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

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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