

Benary's Interspecific
Begonia Portfolio



BIG. BIGGER. MONUMENTAL.



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

BIG® White Green Leaf

Begonia x benariensis F₁

BIG®



- 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

The Most Reliable Interspecific Begonia on the Market



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





Landscapers' Favorite for High-impact Color!

Whopper® Series

Begonia x benariensis F₁

Whopper®

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, 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 F₁

Stonehedge™

New
Series

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	22-24"	55-60 cm	Sun - Shade	Pelleted
Whopper®	32-40"	80-100 cm	24-26"	60-65 cm	Sun - Shade	Pelleted
Stonehedge™	40-48"	100-120 cm	27-32"	70-80 cm	Sun - Partial Shade	Pelleted

Technical Information

Begonia x benariensis F₁ **BIG® / Whopper®**

Begonia interspecific F₁ **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/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® / 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	Finished Crop Time (from 288 tray)		
	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/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)	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

Ernst Benary of America, Inc.

2759 Wagner Court, Suite A
DeKalb, IL 60115-8732, USA

Tel.: +1 815-756-4546

Fax: +1 815-756-9128

E-Mail: info@benary.com

benary.com

