



BaillFloraPlant®

2019

Ball FloraPlant.

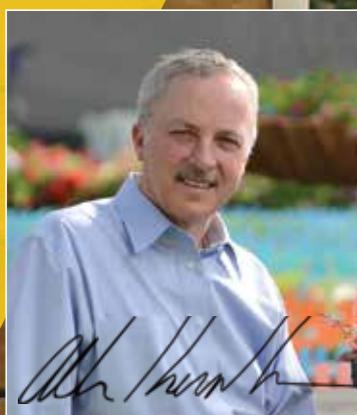
“ Leading the Way ”

At Ball FloraPlant, we are at the forefront of **innovative verbena breeding**. Named one of the **Top 5 best-sold vegetative garden plants** on the market by the National Garden Bureau, verbena has emerged with **new relevance** and **renewed excitement** for a tried-and-true class.

Ball FloraPlant has three verbena series that offer **improved disease resistance** and the ability to **stand up to the heat** of Summer and **keep on blooming**.

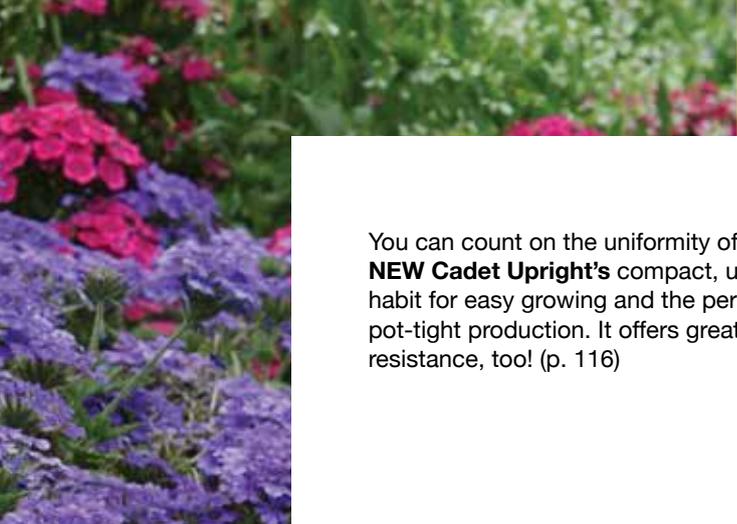
We're excited to introduce two new series, compact **NEW Cadet Upright™** and medium-sized **NEW Firehouse™**, to fill your **container and basket program** needs. We've also expanded **EnduraScape™**, our landscape leader for **bold colors, heat and cold tolerance** and **continuous blooming** all Summer long.

We hope you are as excited as we are about all of our verbena improvements.



Allan Davidson
President





You can count on the uniformity of **NEW Cadet Upright's** compact, upright habit for easy growing and the perfect pot-tight production. It offers great disease resistance, too! (p. 116)



NEW Firehouse is a heat-tolerant, medium-mounded basket verbenas that makes outstanding mixed combos. It is from the same breeding program as our EnduraScape series, so it has the same heat performance when grown in containers. Add disease resistance, and you've got a powerhouse plant! (p. 118)



Vigorous **EnduraScape**, the proven top-performing landscape verbenas, thrives in the heat, stands up to the cold and won't cycle out of color all season long. Once you try it, you'll keep coming back for more! (p. 120)



FRONT COVER:
NEW MixMasters Tea Party
NEW Firehouse Red Verbena
NEW MixMasters 5 Alarm Chili
Conga Calibrachoa Rose Kiss



REAL SERIES: All varieties in a series have the same habit, vigor and flowering time for high-density production.



SEASON EXTENDERS: Proven heat performance and late-season color to extend the Summer selling season.



GENESIS: Varieties are available as direct-stick callused cuttings for a shortened crop time.



GROWER'S CHOICE: Indicates varieties within a series that share uniform timing and habit.

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Ball FloraPlant.

“ Trialed and Approved ”

An extensive trialing program is a key part of our introduction process at Ball FloraPlant, where regionality is an important component. We perform these trials for new introductions, but also to continue fine-tuning our varieties after they have been introduced.

”



Kris Carlsson
Product Launch and Assortment Manager



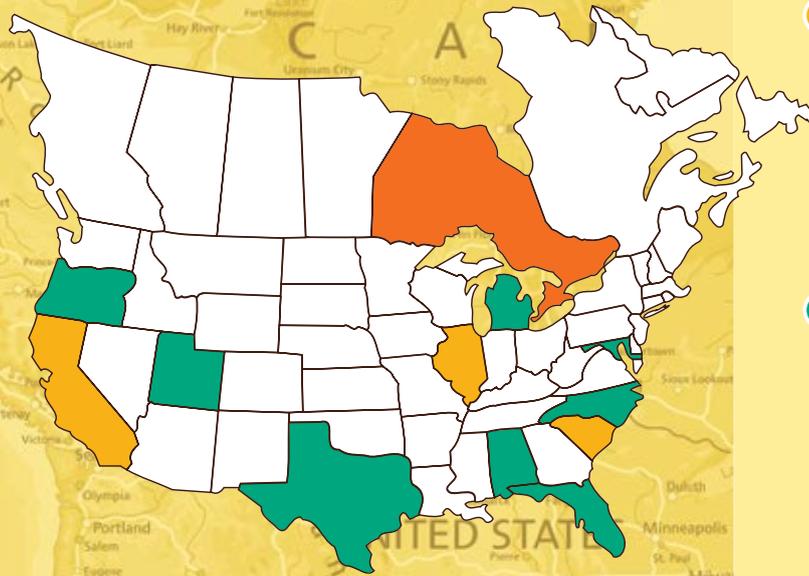
Setting the Standard

Before we'll consider launching a new variety, it has to meet our minimum trial standards. This 'checklist' includes performance characteristics required for a passing grade in our greenhouse and outdoor trials in various regions. These trials consist of our own trial locations and growers across the country.



Expanding Our Trial Sites

In the last few years, Ball FloraPlant has expanded the number of regional trial sites to better evaluate the performance of our products before launch. Based on these trial results, we feel confident that we're providing you with the best-performing new varieties.



- **2013 Trial Sites:**
 - Ball FloraPlant Breeding Station, Arroyo Grande, CA
 - Ball Seed Greenhouse, West Chicago, IL
 - In-ground Evaluation Trial, Santa Inez, CA
 - Summer Tub Trial, West Chicago, IL
 - In-ground Summer Trial, Elburn, IL
 - Color Spot, Salinas, CA
 - Armstrong, Fallbrook, CA
 - Overwintering Trial of EnduraScape, Trenton, SC

- **Added Trial Sites in 2014:**
 - Costa Farms, Miami, FL
 - Pure Beauty, Miami, FL
 - Plant Odyssey, Kyle, TX
 - Olson's Greenhouse Gardens, Salem, UT
 - Bell Nursery, Burtonsville, MD
 - Metrolina Greenhouses, Huntersville, NC
 - Masterpiece Flower Company, Byron Center, MI
 - Mast Young Plants, Grand Rapids, MI
 - Smith Gardens, Aurora, OR
 - Young's Plant Farm, Auburn, AL

- **Added Trial Site in 2018:**
 - George Sant & Sons Greenhouses, Kleinburg, ON Canada

Ball FloraPlant.

Right From the Source Unrooted Supply



Alex Meneses
Director of Offshore
Production

“ Las Limas

Located in Nicaragua, our farm Las Limas offers the optimal growing climate and altitude for our product selection, making it our most reliable source of unrooted cuttings, with an impressive **99.9% order fill rate**. Las Limas received the 2016 Innovator of the Year award by the Nicaraguan Export Producers Association, putting them at the **top of Nicaraguan industry**.

This **state-of-the-art facility** was designed to **prevent insects, diseases and bacteria** from entering the greenhouses. For **sustainability**, the farm grows in reusable, sterilized volcanic rock, and recycles and sterilizes water before reuse. Our **highly skilled labor force** makes sure every bag of cuttings is tracked, and approximately 15 percent of all bags are inspected for **accuracy of count and quality**. Once the cuttings are bagged, our goal is to deliver them **within 36 to 48 hours**. ”



Floricultura

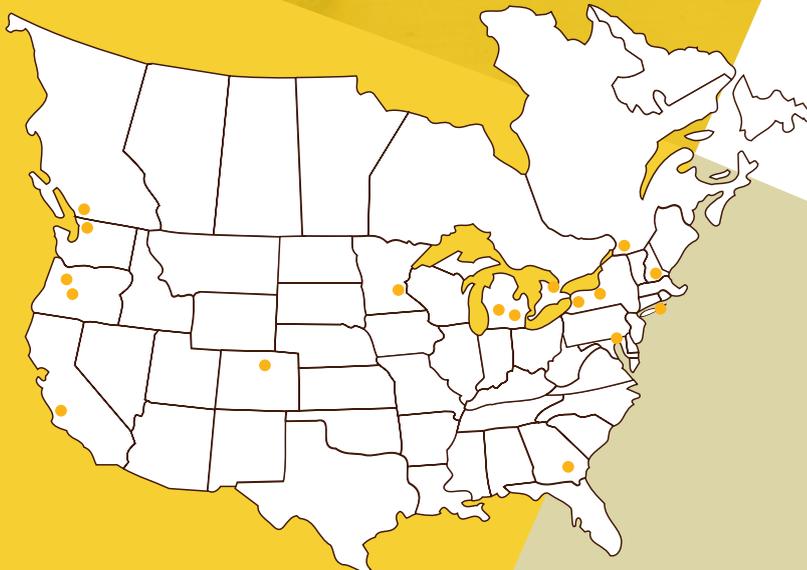
Floricultura is the source for **Ball FloraPlant geraniums**, and it is the sole provider of **Genesis™ direct-stick callused cuttings**. This facility, located in Guatemala, presents the ideal climate for producing strong geranium cuttings and the best callused program. Growers continue to choose Genesis based on the benefits of **reduced labor and input costs, shortened crop time and less shrink**.

MPS-A Certified

All of our farms qualify under **MPS-A** (Milieu Programma Sierteelt or “Environmental Programme Floriculture”) environmental certification, based on responsible usage of crop protection agents, fertilizers, energy and waste.

Ball FloraPlant[®]

What You Need, When You Need It Rooted Supply



Suppliers by region

CALIFORNIA

Ball Tagawa Growers
Arroyo Grande, California (SG, MM)

COLORADO

Tagawa Greenhouse
Brighton, Colorado (GE, SG, MM)

GEORGIA

Sunbelt Greenhouses, Inc.
Douglas, Georgia (SG, MM)

MARYLAND

Greenstreet Growers
Lothian, Maryland (SG, MM)

MICHIGAN

Mast Young Plants
Grand Rapids, Michigan (GE, SG, MM)

Tuinier Brothers Greenhouses
Kalamazoo, Michigan (GE, SG)

MINNESOTA

Wagner Greenhouses
Minneapolis, Minnesota
(GE, SG, MM)

NEW HAMPSHIRE

D.S. Cole Growers
Loudon, New Hampshire (SG, MM)

NEW YORK

Dickman Farms
Auburn, New York (GE, SG, MM)

Van de Wetering Greenhouses, Inc.
Jamesport, New York (GE, SG, MM)

Amos Zittel & Sons
Eden, New York (GE, SG)

OREGON

Al's Garden Center & Greenhouse
Woodburn, Oregon (SG)

Fessler Nursery
Woodburn, Oregon (SG, GE, MM)

WASHINGTON

(Also Western Canada)
Van Wingerden Greenhouses
Blaine, Washington (GE, SG, MM)

CANADA

BRITISH COLUMBIA

West Coast Floral – Surrey (GE)

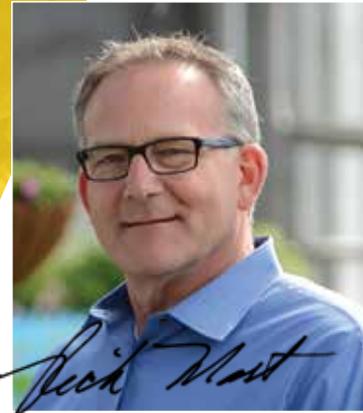
ONTARIO

George Sant & Sons – Kleinburg
(SG, GE, MM)

QUEBEC

Willy Haeck et Fils, Inc.
Saint-Rémi (GE)

GE = Geraniums SG = Specialty Garden Plants
MM = MixMasters Multiliners



Rick Mast
Sales Manager

“ Ball FloraPlant Delivers

99% of our liner orders are filled on time – at the highest quality and in full.

Count on our **Gold Service Suppliers** that have been proven to provide accurate inventory, timely order confirmations and shipment tracking, and priority service on shortages and substitutions.

Over 90% of Ball Seed liner orders are shipped via our suppliers' **climate-controlled truck delivery system.** ”



MixMasters™

Prime genetics in the mix



Becky Lacy
Product Development Associate

We've got lots of exciting new and improved mixes this year, as well as further development of the MixMasters program. For the first time, we'll be integrating **accent plants** into our combos for more texture, to achieve a premium look and for ease of maintenance for the home gardener. Take a look at **NEW Loving Licorice**, **NEW Berried Treasure** and **NEW Ladylike**.

These **shade** mixes answer the need for more premium shade items on the market. With today's aging neighborhoods that contain lots of older trees, there are more shady spots in gardens, and our five new coleus mixes fit the bill with amazing color and texture for sun and shade.

We've also added **duos** to the program, for simplicity in look and easy execution. **NEW Summer Fest** and **NEW Tea Party** rely on bright blooms and contrasting colors to liven up these mixes.

SUN COMBOS (Multi-Species)

Starting on page 8



A Grape Fit!



Bejeweled



Berry Basket



Big Flirt



Circus Parade



Color Magic



Cotton Tail



Eye Caramba



Fashionista



Flower Child



Gimme Some Sugar



Heartland



I Heart Pink



Jazzberry Jam



Mambo



Over The Top



Paradise Sunrise



Pink Outside The Box



Rosé Everyday Improved



Santa Fe Sunset



Sunday Best



Sunnyside



Sweet Escape

NEW

SUN COMBOS (Mono)

Starting on page 16



Cherry Plum Tart



Fruit Cocktail



Laguna Beach Improved



Panorama



Peaches & Cream



Playdate



Spirits United



Spring Showers



Sprinkles On Top



Sundance



Sweet Melody



Tart Deco



Tea Party



Tropicali

HEAT-LOVING COMBOS

Starting on page 20



Feelin' Lucky



Loving Licorice



Lucky Charm



Shindig



Summer Blues



Summer Bouquet



Summer Fest

SUN & SHADE COMBOS

Starting on page 22



5 Alarm Chili



Peppery Perfection



The Whole Enchilada



Tiki Masala



Vindaloo Vision

SHADE COMBOS

Starting on page 22



Berried Treasure



Ladylike



Shooting Comet

Color combos that rock!

The MixMasters Multiliner Program stays at the top of the charts with 16 new and improved combinations. Every MixMasters combo has been thoroughly trialed and monitored to ensure consistency and efficiency. Combining perfectly mastered colors and greater genetic diversity, MixMasters offers rock star home garden performance every time.

SUN COMBOS (Multi-Species)

A Grape Fit! ●

Calibrachoa Cabaret Hot Pink
Petunia Sun Spun Lavender Star
Verbena Aztec Violet

Bejeweled ●

Calibrachoa Cabaret Deep Yellow
Petunia Sun Spun Burgundy
Verbena Aztec Blue Velvet

Berry Basket ●

Calibrachoa Cabaret White
Petunia Sun Spun Burgundy
Verbena Burgundy Wink

Big Flirt ●

Petchoa SuperCal Pink Ice
Petunia ColorRush Blue
Verbena EnduraScape Pink Bicolor

Circus Parade ●

Bidens Sunbeam
Lobelia Waterfall Blue
Verbena Aztec Red Velvet



A Grape Fit!



Bejeweled



Big Flirt



Berry Basket



Circus Parade

SUN COMBOS (Multi-Species)

Color Magic ●

Calibrachoa Cabaret Deep Yellow
Lobelia Early Springs Dark Blue
Verbena Aztec Dark Red

Cotton Tail ●

Calibrachoa Cabaret White
Petunia Sun Spun White
NEW Verbena Firehouse White

Eye Caramba ●

Calibrachoa Cabaret White
Petunia ColorBlitz Blue/erific
Verbena Violet Wink

Fashionista ●

Lobelia Early Springs Dark Blue
Petunia Sun Spun Burgundy
Verbena MixMasters Hot Pink

Flower Child ●

Lobelia Early Springs Sky Blue
Petunia Sun Spun Burgundy
Verbena Aztec White

Gimme Some Sugar ●

Lobelia Early Springs Dark Blue
Petunia Sun Spun Yellow
Verbena MixMasters Hot Pink



Eye Caramba



Gimme Some Sugar



Color Magic



Fashionista



Cotton Tail



Flower Child

SUN COMBOS (Multi-Species)

Heartland ●

Lobelia Early Springs Sky Blue
Petunia Sun Spun White
Verbena Aztec Dark Red

I Heart Pink ●

Calibrachoa Cabaret Light Pink
Petunia Sun Spun Pink
Verbena MixMasters Hot Pink

Jazzberry Jam ●

Calibrachoa Cabaret White
Petunia Sun Spun Burgundy
Verbena Aztec Blue Velvet

Mambo ●

Bidens Sun Drop
Calibrachoa Cabaret Orange
Petunia Sun Spun Neon Pink

Over The Top ●

Calibrachoa Cabaret Deep Yellow
Petunia Sun Spun Blue
Verbena Burgundy Wink

Paradise Sunrise ●

Calibrachoa Cabaret Deep Yellow
Petunia ColorBlitz Pinkceptional
NEW Verbena Firehouse White



Heartland



I Heart Pink



Jazzberry Jam



Mambo



Over The Top



Paradise Sunrise

SUN COMBOS (Multi-Species)

Pink Outside The Box ●

Lobelia Early Springs
Lavender Pink
Petunia Sun Spun Lavender Star
Verbena Aztec Lavender

NEW Rosé Everyday Improved ●

Bacopa MegaCopa White
Calibrachoa Cabaret Pink
Petunia Sun Spun Neon Pink

Santa Fe Sunset ●

Bidens Sunbeam
Calibrachoa Can-Can Terracotta
Verbena Aztec Blue Velvet

Sunday Best ●

Petunia Sun Spun White
Verbena Burgundy Wink
Verbena Violet Wink

Sunnyside ●

Calibrachoa Cabaret Deep Yellow
Petunia Sun Spun Yellow
NEW Verbena Firehouse White

Sweet Escape ●

Calibrachoa Cabaret Light Pink
Petunia Sun Spun Yellow
Verbena Burgundy Wink



Pink Outside The Box



Rosé Everyday Improved



Santa Fe Sunset



Sunday Best



Sunnyside



Sweet Escape

SUN COMBOS (Mono)

Cherry Plum Tart ●

Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Deep Blue
Calibrachoa Cabaret Hot Pink

Fruit Cocktail ●

Calibrachoa Cabaret Deep Yellow
Calibrachoa Cabaret Hot Pink
Calibrachoa Cabaret Orange

NEW Laguna Beach Improved ●

Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Coral Kiss
Calibrachoa Cabaret Sky Blue

Panorama ●

Calibrachoa Cabaret Purple
Calibrachoa Cabaret Rose
Calibrachoa Cabaret White

NEW Peaches & Cream ●

Calibrachoa Cabaret Coral Kiss
Calibrachoa Cabaret Orange
Calibrachoa Cabaret White

Playdate ●

Calibrachoa Cabaret Deep Yellow
Calibrachoa Cabaret Purple
Calibrachoa Cabaret Rose

Spirits United ●

Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Deep Blue
Calibrachoa Cabaret White

Spring Showers ●

Calibrachoa Cabaret Lemon Yellow
Calibrachoa Cabaret Light Pink
Calibrachoa Cabaret Sky Blue



Cherry Plum Tart



Fruit Cocktail



Laguna Beach Improved



Panorama



NEW

Peaches & Cream



Playdate



Spirits United



Spring Showers

SUN COMBOS (Mono)

Sprinkles On Top ●

Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Deep Blue
Calibrachoa Cabaret Deep Yellow

Sundance ●

Calibrachoa Cabaret Deep Blue
Calibrachoa Cabaret Deep Yellow
Calibrachoa Cabaret Hot Pink

Sweet Melody ●

Calibrachoa Cabaret Deep Blue
Calibrachoa Cabaret Hot Pink
Calibrachoa Cabaret Light Pink

NEW Tart Deco ●

Petunia ColorRush Blue
Petunia ColorRush Pink

NEW Tea Party ●

Calibrachoa Cabaret Lemon Yellow
Calibrachoa Cabaret Pink Star

Tropicali ●

Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Deep Yellow
Calibrachoa Cabaret Orange



NEW
Tea Party



Sundance



Sweet Melody



NEW
Tart Deco



Sprinkles On Top



Tropicali

HEAT-LOVING COMBOS

Feelin' Lucky ●

Lantana Lucky Flame
Lantana Lucky Lemon Glow
Lantana Lucky Pot of Gold

NEW Loving Licorice ●

Angelonia AngelMist
Spreading White
Helichrysum Licorice
Lamium Jade Frost

Lucky Charm ●

Lantana Lucky Flame
Lantana Lucky Pot of Gold
Lantana Lucky Sunrise Rose

NEW Shindig ●

Angelonia Archangel Dark Purple
Lantana Lucky Red
Scaevola 'Brilliant'

Summer Blues ●

Angelonia AngelMist
Spreading Bluebird
Angelonia AngelMist
Spreading Dark Purple
Angelonia AngelMist
Spreading White

Summer Bouquet ●

Angelonia AngelMist
Spreading Bluebird
Angelonia AngelMist
Spreading Pink
Angelonia AngelMist
Spreading White

NEW Summer Fest ●

Angelonia AngelMist
Spreading Dark Purple
Scaevola White Sparkle



NEW

Loving Licorice



SEASON
EXTENDER

Feelin' Lucky



SEASON
EXTENDER

Lucky Charm



NEW
Shindig



NEW
Summer Fest



Summer Blues



Summer Bouquet

SUN & SHADE COMBOS

NEW 5 Alarm Chili ● ●

Coleus FlameThrower Chili Pepper
Coleus FlameThrower Habanero
Coleus FlameThrower Spiced Curry

NEW Peppery Perfection ● ●

Coleus Mint Mocha
Coleus Ruby Slipper
Coleus Special Effects

NEW The Whole Enchilada ● ●

Coleus FlameThrower Habanero
Coleus FlameThrower Salsa Verde

NEW Tiki Masala ● ●

Coleus FlameThrower Chili Pepper
Coleus FlameThrower Spiced Curry

NEW Vindaloo Vision ● ●

Coleus FlameThrower Chipotle
Coleus FlameThrower Salsa Verde
Coleus FlameThrower Spiced Curry



NEW
5 Alarm Chili



NEW
Vindaloo Vision

SHADE COMBOS

NEW Berried Treasure ●

Helichrysum Licorice
Impatiens Patchwork Cosmic Burgundy
Lamium White Nancy

NEW Ladylike ●

Impatiens Fiesta Bonita White
Lamium Jade Frost
Lamium White Nancy

NEW Shooting Comet ●

Impatiens Patchwork Cosmic Burgundy
Impatiens Patchwork Cosmic Orange



NEW
The Whole Enchilada



NEW
Tiki Masala



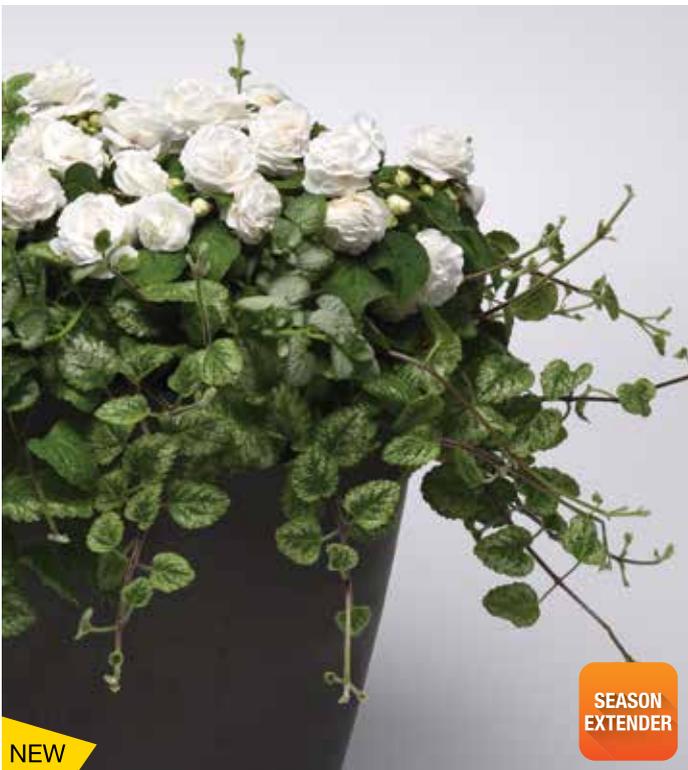
NEW

Peppery Perfection



NEW

Berried Treasure



NEW

Ladylike

**SEASON
EXTENDER**



NEW

Shooting Comet

ANGELONIA

Archangel™

Angelic in the heat, with the biggest blooms, too

SEASON
EXTENDER



Dark Rose

Top right: Cherry Red
Spotlight Red Cut Ipomoea
Lucky Sunrise Rose Lantana

Bottom right: Cherry Red

ANGELONIA

ANGELONIA ●
Angelonia angustifolia

Archangel™

Height: 12 to 14 in. (30 to 36 cm)

Spread: 10 to 12 in. (25 to 30 cm)

The biggest blooms of any angelonia series!

Thrives in extreme heat, humidity and drought.

Uniform habit and flowering time for easy, high-density production.

Well-branched plants ship with less breakage, tangling and shrinkage.

Works well in quarts, gallons and mixed containers.



Blue Bicolor



White



Cherry Red



Light Pink



Pink



Raspberry



Purple



Dark Purple



Dark Rose

ANGELONIA

AngelMist® Spreading

Heavenly display in baskets and landscapes

SEASON
EXTENDER



Dark Purple

Top right: NEW Berry Sparkler

Bottom right: Bluebird

ANGELONIA

ANGELONIA ●
Angelonia angustifolia

AngelMist® Spreading

Height: 4 to 10 in. (10 to 25 cm)
Spread: 12 to 20 in. (30 to 51 cm)

First large-flowered spreading angelonia.

Big blooms have big impact in baskets or in the ground!

Extreme heat, humidity and drought are no match for these super-spreading varieties.

Low-growing variety makes a unique groundcover.

NEW Berry Sparkler: Similar to Bluebird with its larger flower size and early flowering.



Berry Sparkler



Dark Purple



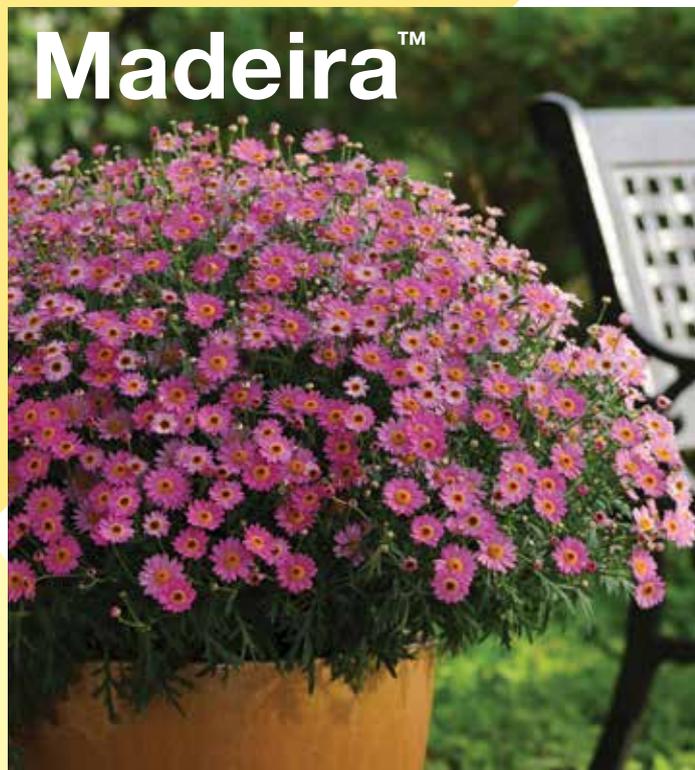
Bluebird



Pink



White



Madeira™

Deep Pink



White



Primrose



Crested Yellow

ARGYRANTHEMUM ●
Argyranthemum frutescens

Madeira™

Height: 12 to 18 in. (30 to 46 cm)
Spread: 16 to 20 in. (41 to 51 cm)

Wide color range, multiple flower forms, superior uniformity.

The well-matched habit, early flowering and branching make Madeira ideal for bench-run programs.

Vigorous, upright plants work well in full-sun gardens, landscapes, mixed containers and planters.

Low-energy cool crop is great for Spring programs.

For 6-in. (15-cm) pots to gallons and larger.

Also available as Genesis direct-stick callused cuttings.

MADEIRA is a U.S. trademark of Bonza Botanicals, Pty., Ltd.



Grower's Choice: These varieties share uniform timing and habit



Deep Pink



Crested Hot Pink



Red



Crested Merlot



Red Threads Alternanthera

ALTERNANTHERA ●●*Alternanthera ficoidea***Red Threads**

Height: 10 to 12 in. (25 to 30 cm)
Spread: 16 to 18 in. (41 to 46 cm)

Unique, easy-to-grow foliage plant adds distinctive color and texture to sun and shade combos. Densely branched, with compact, tightly mounded habit – requires only one pinch in finishing. Thrives in heat, holds up at retail in shady conditions.



'Amethyst' Brachyscome

BRACHYSCOME ●*Brachyscome hybrida***'Amethyst'**

Height: 12 to 18 in. (30 to 46 cm)
Spread: 10 to 14 in. (25 to 36 cm)

The small, lavender blue flowers contrast beautifully with dark green foliage. Best in early-season containers, or landscapes in cooler coastal areas.



'Enduring Blue' Brachyscome

'Enduring Blue'

Height: 4 to 6 in. (10 to 15 cm)
Spread: 8 to 12 in. (20 to 30 cm)

Finely textured foliage and small blue flowers on upright, mounded plants. More compact than Amethyst, Enduring Blue is a great performer in mixed containers and landscapes in cooler coastal areas.



Radiant Magenta Brachyscome

Radiant Magenta

Height: 5 to 7 in. (13 to 18 cm)
Spread: 6 to 8 in. (15 to 20 cm)

The brightest magenta brachyscome on the market, with superior iron uptake for healthier plants and dark green foliage. Makes a great gift item. Compact variety is excellent for pot-tight production, with no PGRs or pinching required. Best for 4-in. (10-cm) pots and quarts.

MegaCopa™

Blockbuster blooms power through the heat



Rebecca Tashiro
Breeder

“ MegaCopa for mega-success

MegaCopa Bacopa has emerged as one of our fastest-growing products, taking market share and delivering grower success due to its heat tolerance and floriferousness. We went from selling these as 2 for 1 cuttings to 1 for 1 cuttings, and we have found that growers have just as much success with MegaCopa this way and the product looks the same or better going to the store.”

Regional culture recommendations

We performed extensive PGR trials and found that MegaCopa White can be successfully grown without PGRs.

An early Cycocel 750 ppm spray application approximately 2 weeks after transplant, or Bonzi 3 ppm drench 4 weeks after transplant, are options that worked well. This process provided adequate control and helped produce a well-toned and filled pot.



Control

Cycocel
750 ppm Spray

Bonzi
3 ppm Drench



Top: Versa White
Bottom: White, Cabaret Pink
Calibrachoa and Sun Spun Neon
Petunia in NEW MixMasters
Rosé Everyday Improved



BACOPA

BACOPA ●
Sutera cordata

MegaCopa™

Height: 4 to 6 in. (10 to 15 cm)
Spread: 12 to 18 in. (30 to 46 cm)

This series of bacopa is notable for its well-branched habits, large flowers and improved heat performance.

Controlled habit is grower-friendly and offers better centerfill than other bacopa.

Largest flower size in the industry, with showy blooms that cover the plant, driving impulse sales at retail.

Versa White is ideal for quart or 4-in. (10-cm) pots. It hides older flowers better than other varieties and has more flower cover in a smaller container.



White



Pink



Versa White



Sky Blue



Blue



Left to right: Texas Trials – leading heat-performance variety versus MegaCopa White.

Bee Alive, NEW Bee Happy & NEW Bee Bold

Bright bicolors in three habits



NEW Bee Bold



Perfect colors for Fall sales

Bottom right: Bee Alive
Cabaret Deep Blue Calibrachoa
ColorGrass® Red Rooster Carex

BIDENS ●

Bidens ferulifolia

'Bee Alive'

Height: 8 to 10 in. (20 to 25 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Controlled habit is ideal for small pots up to hanging baskets. Easy production for retail. Exciting novelty color and pattern for Spring and Fall. Great color that can be produced during the heat of Summer for Fall sales – also works in Fall mixed combos! Flowers attract pollinators, like bees and butterflies.

NEW Bee Happy

Height: 10 to 14 in. (25 to 36 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Bee Happy is 25 to 35% more vigorous than more compact Bee Alive. Not quite as vigorous as Bee Bold. It features an upright habit, unlike all other red bicolor bidens on the market. Plants can be grown closer together with less spacing, and they are easier to control with less PGRs.

NEW Bee Bold

Height: 14 to 20 in. (36 to 51 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Bee Bold is 50 to 70% more vigorous than Bee Alive. It features an upright habit, unlike all other red bicolor bidens on the market. Plants can be grown closer together with less spacing, and they are easier to control with fewer PGRs. Best for larger pot impulse buys.



Bee Alive



Sunbeam



Bee Happy



Sun Drop



Bee Bold



Sun Drop Compact

BIDENS ●
Bidens ferulifolia

Sun Drop Compact

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 in. (30 cm)

Smaller version of Sun Drop. Perfect for small pot production and plays nice in mixed containers. Also, best for the southern region.

Sun Drop

Height: 10 to 12 in. (25 to 30 cm)
Spread: 16 to 18 in. (41 to 46 cm)

Top-selling bidens features large flowers and a controlled, upright habit that won't fall apart at retail. Early flowering and densely branched, with big, eye-catching blooms. Works well in mixed baskets and patio containers.

BIDENS ●
Bidens aurea

Sunbeam

Height: 10 to 14 in. (25 to 36 cm)
Spread: 18 to 28 in. (46 to 71 cm)

High vigor, early-season color and cool growing options make Sunbeam a must-have for large basket and combination programs.

BRACTEANTHA

Dreamtime®

Big, dreamy blooms perk up early-season sales



BRACTEANTHA ●
Bracteantha bracteatum

Dreamtime®

Height: 10 to 12 in. (25 to 30 cm)

Spread: 10 to 12 in. (25 to 30 cm)

More controlled and mounded plants hold their shape from greenhouse to garden.

Makes a high-impact retail display.

Excellent tolerance for cool temperatures.

Ideal for high-density programs in 4 and 4.5-in. (10 and 11-cm) pots.

Also available as Genesis direct-stick callused cuttings.

DREAMTIME is a U.S. registered trademark of Bonza Botanicals, Pty., Ltd.

Jumbo Yellow



Jumbo Rose



Jumbo Red



Jumbo Pure White



Jumbo Yellow

Conga™

The conga line starts here for compact color bowls



Laura Masor
Breeder



Conga is taking the compact calibrachoa market by storm! Growers find it easy to produce by following these regional tips and tricks.

North Region

Conga can be grown with no pinch and no PGRs. Growers desiring some control can pinch 2 weeks prior to transplant, followed by a B-Nine 2,500 ppm spray application 5 weeks after transplant.



South Region

Conga varieties were successfully grown with no pinch and no PGR. B-Nine treatments generally delayed flowering on most varieties. For growers that want to use PGRs, we would recommend applying a late Bonzi 1 ppm drench.

Note: Conga Red needs a B-Nine 2,500 ppm spray or Bonzi 1 ppm drench 6 weeks after transplant for a toned plant that matches other Congas in the series. Crops produced for early flowering dates before week 3 in Florida may benefit from light PGR drenches at 0.25 to 0.5 ppm Bonzi.



Rose Kiss
Deep Yellow

Bottom:
Rose Kiss
White
Orange Kiss
Deep Yellow
Dark Blue



CALIBRACHOA

CALIBRACHOA *Calibrachoa hybrida*

Conga™

Height: 6 to 10 in. (15 to 25 cm)

Spread: 8 to 10 in. (20 to 25 cm)

Naturally compact habit is perfect for pot-tight production and no PGRs needed.

Easy to grow – very uniform.

Excellent pH tolerance and profuse flowering give Conga superior hold at retail.

Flowers one week earlier than Cabaret series.

Great choice for quarts, color bowls and window boxes.



Dark Blue



Lavender



Orange Kiss



Pink



Red



Rose Kiss



Rose



Sunset Kiss



Coral Kiss



Deep Yellow



Sun Kiss



White

Cabaret®

Right on beat for better baskets



Allan Davidson
President



This year, we've selected Cabaret genetics that flower early when produced for target production weeks prior to week 14. Compared to our original varieties, these early-flowering selections have the same high uniformity of habit, excellent garden performance, high pH tolerance and controlled vigor to fill any pot for year-round production.

Look for the timer icon on the next page indicating early-flowering varieties if you wish to flower before week 14, and be assured that you will still get the most uniform series on the market. If produced after week 14, all varieties will finish uniformly together.



NEW Golden Yellow ready to sell at week 11. Grown with pinch, no PGR.



Top: Bright Red, Deep Blue and Deep Yellow in MixMasters Sprinkles On Top
Bottom: NEW Midnight Blue





NEW

Golden Yellow 🌱



NEW

Neon Rose 🌱



NEW

Midnight Blue 🌱



Sky Blue 🌱



Lavender 🌱



Light Pink Kiss 🌱



Rose Kiss 🌱



Purple Heart 🌱



Purple 🌱



Pink 🌱



Deep Yellow 🌱



Deep Blue 🌱



Bright Red 🌱



White 🌱



Pink Star 🌱



Rose 🌱



Hot Pink 🌱



Coral Kiss 🌱



Orange 🌱



Light Pink 🌱



Lemon Yellow 🌱

CALIBRACHOA 🌱
Calibrachoa hybrida

Cabaret®

Height: 6 to 10 in. (15 to 25 cm)
Spread: 10 to 12 in. (25 to 30 cm)

Cabaret carries the best-performing lineup of solid colors and exciting bicolors!

Super-uniform in habit and flower timing, so you can mix all colors in the series.

Most varieties flower with 11-hour day length, and stay open and in flower under low light conditions – a big plus at retail.

Well-branched with full centers.

Works well in 4.5 to 6 in. (11 to 15 cm) pots up to large baskets.

Three new colors offer early flowering so they are great to target production for week 14 or earlier.

NEW Midnight Blue, NEW Golden Yellow and NEW Neon Rose are perfect for tight basket production.

CALIBRACHOA

Can-Can[®]

Kicks up larger baskets with cool colors and patterns



Bumble Bee Pink

CALIBRACHOA

CALIBRACHOA ●
Calibrachoa hybrida

Can-Can®

Height: 10 to 15 in. (25 to 38 cm)

Spread: 10 to 15 in. (25 to 38 cm)

One-of-a-kind colors and strong vigor for full-bodied mixed containers.

Flowers stay open under the lowest light conditions – look fresh at retail!

Strong adaptability: specially selected to stand up to harsh conditions.

Well-suited for 6-in. (15-cm) pots up to large hanging baskets.



Bumble Bee Pink



Magenta Kiss



Hot Pink Star



Terracotta



Orange



Dark Purple

Coleus

Colossal color and eye-popping patterns



Manda Vuksanaj
Territory Manager Midwest/
West Coast

Focus on the vigor

We've grouped our premium coleus by vigor to assist in variety selection. This also helps provide trouble-free planting for landscapes and containers.

VIGOROUS

VIGOROUS

French Quarter
Redhead
Trusty Rusty
Vino
Wasabi

MEDIUM

MEDIUM

Campfire
Coleosaurus
Electric Lime®
Henna
Indian Summer
Inferno
NEW Pinkplosion

COMPACT

COMPACT

Mint Mocha
Ruby Slipper
Special Effects

SEASON
EXTENDER



COLEUS

Solenostemon scutellarioides

Stunning colors and patterns for full sun and shade.

Versatile, premium varieties are very late to never flowering.

Low-maintenance, high-impact plants are perfect for large pot programs and landscaping.

Top: Redhead
Bottom: NEW Pinkplosion



VIGOROUS COLEUS

VIGOROUS



French Quarter



Redhead



Trusty Rusty



Wasabi



Vino

VIGOROUS

French Quarter

Height: 18 to 36 in. (46 to 91 cm)
Spread: 24 to 28 in. (61 to 71 cm)

Adds depth to coleus programs with the addition of a pink. Features pink, magenta and green leaves. Familiar pattern of seed coleus, but more vigorous and much later-flowering.

Redhead

Height: 18 to 36 in. (46 to 91 cm)
Spread: 16 to 28 in. (41 to 71 cm)

Redhead displays bright red leaves that are the truest red color of our collection.

Trusty Rusty

Height: 18 to 36 in. (46 to 91 cm)
Spread: 16 to 28 in. (41 to 71 cm)

Copper leaves are outlined in golden yellow. Large-leafed and vigorous. Ships well as unrooted cuttings and liners.

Vino

Height: 18 to 30 in. (46 to 76 cm)
Spread: 24 to 28 in. (61 to 71 cm)

Eye-catching plant has deep wine-colored leaves that grow darker in the sun. Upright, medium habit.

Wasabi

Height: 18 to 36 in. (46 to 91 cm)
Spread: 16 to 28 in. (41 to 71 cm)

Durable and rugged for a coleus. Wasabi's serrated chartreuse leaves hold their brilliant color without fading.

MEDIUM COLEUS

MEDIUM

MEDIUM

COLEUS

Solenostemon scutellarioides

NEW Pinkplosion

Height: 14 to 28 in. (36 to 71 cm)

Spread: 14 to 24 in. (36 to 61 cm)

Retains its pink coloration longer into the Summer. The serrated leaf edge brings out the contrast in the bicolor foliage. Flowers 1 to 2 weeks earlier than the rest of Ball FloraPlant's coleus varieties. Vigorous habit matches Inferno and Campfire on the medium vigor end of the assortment.

Campfire

Height: 14 to 28 in. (36 to 71 cm)

Spread: 14 to 24 in. (36 to 61 cm)

Features eye-catching orange foliage and proven performance in the landscape similar to Redhead and Wasabi. Stays vibrant in sun and shade. Late flowering, with a similar habit to Henna.

Coleosaurus

Height: 14 to 28 in. (36 to 71 cm)

Spread: 24 to 36 in. (61 to 91 cm)

Controlled, well-branched habit is easy to produce in small containers and requires little pinching. Similar in vigor to Redhead and Henna.

Electric Lime®

Height: 14 to 28 in. (36 to 71 cm)

Spread: 16 to 24 in. (41 to 61 cm)

Bright lemon-lime leaves electrify the shade and don't fade in sun.

ELECTRIC LIME is a U.S. registered trademark of Florida Foundation Seed Producers, Inc.

Henna

Height: 14 to 28 in. (36 to 71 cm)

Spread: 14 to 16 in. (36 to 41 cm)

Very uniform with serrated foliage in chartreuse to copper with dark burgundy undersides.



NEW

Pinkplosion



Henna



Inferno

Indian Summer

Height: 14 to 28 in. (36 to 71 cm)

Spread: 14 to 16 in. (36 to 41 cm)

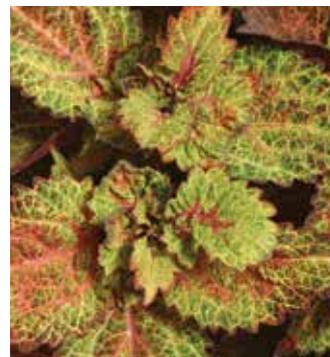
Multi-color earthtones in red, green and brown deepen in high light.

Inferno

Height: 14 to 28 in. (36 to 71 cm)

Spread: 14 to 24 in. (36 to 61 cm)

Bolder than Campfire. Saturated orange coloration and textured leaves give it a WOW factor. Superior orange coloration and later-flowering than the competition. More consistent orange color, even in shady conditions.



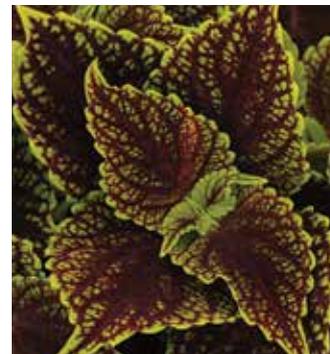
Indian Summer



Electric Lime®



Campfire



Coleosaurus

COMPACT COLEUS



COMPACT

COLEUS

Solenostemon scutellarioides

Mint Mocha

Height: 14 to 24 in. (36 to 61 cm)

Spread: 14 to 16 in. (36 to 41 cm)

Ducksfoot-type foliage is green with mottled yellow and red flecks. For best patterns, avoid high light.

Ruby Slipper

Height: 14 to 24 in. (36 to 61 cm)

Spread: 14 to 16 in. (36 to 41 cm)

Darker, more red version of Redhead. More compact and better branched than other red varieties. Works well in-ground and in containers in full sun and full shade.

Special Effects

Height: 14 to 24 in. (36 to 61 cm)

Spread: 14 to 16 in. (36 to 41 cm)

Compact, densely branched collection shines in small container production. Bold foliage colors and unique leaf shapes are great in mixed containers – excellent landscape performance, too.



Mint Mocha



Ruby Slipper



Special Effects

FlameThrower™

Create sparks in small pots and mixes



Ryan Kenny
Culture Research Technician



FlameThrower coleus are naturally compact. Growing them is a breeze, especially when you follow the regional culture recommendations below that I've been working on.

Western Region

While a pinch will always benefit a coleus crop, we have new research that shows FlameThrower is successful with no pinch and no PGR for a target week 15 finish. Please consult ballfloraplant.com for full details of trials.

Midwest, Canada and Northeast Region

Our latest culture trial study in the Midwest proved that FlameThrower can be grown with no pinch and no PGR for a week 18 target date.

South and Southeast Region

After extensive trials, our recommendation is that pinch is recommended, as it eliminates the need for PGR in most growing conditions.



NEW Serrano with no pinch and no PGR grown in West Chicago, IL.

SEASON
EXTENDER



NEW Serrano

Bottom: Salsa Verde
Burgundy Wedding Train Coleus
Fiesta Bonita Salmon Double Impatiens





NEW

Serrano

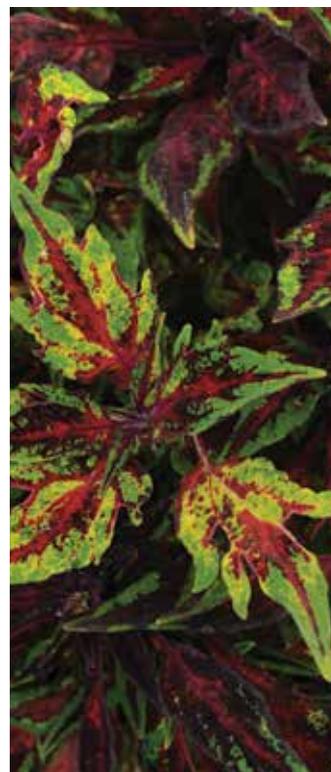


NEW

Salsa Roja



Salsa Verde



Chili Pepper



Spiced Curry



Habanero



Chipotle



Spiced Curry, Chili Pepper, Salsa Verde, Habanero and Chipotle

COLEUS ●●

Solenostemon scutellarioides

FlameThrower™

Height: 12 to 18 in. (30 to 46 cm)
Spread: 16 to 18 in. (41 to 46 cm)

Compact to medium coleus is perfect for quarts and mixed containers.

Bold foliage colors in a compact habit make this striking coleus ideal for small pots and mixed containers.

Its uniquely colored and shaped leaves add texture in the garden and containers.

Great garden performance in sun and shade.

NEW Salsa Roja: Exciting burgundy/red color addition is similar in habit to Habanero on the vigorous end of the series.

NEW Serrano: Novel bicolor features a bright yellow as the primary accent. Similar in habit to Spiced Curry on the lower vigor end of the series.

COLEUS



Burgundy Wedding Train Coleus

COLEUS ● ●

Solenostemon hybrida

Burgundy Wedding Train

Height: 10 to 12 in. (25 to 30 cm)
Spread: 24 to 36 in. (61 to 91 cm)

Distinctive “wedding train” trailing habit, dark color and unique texture are great for shade containers and baskets. Hardy until frost and thrives in the heat.

Lava Rose

Height: 6 to 10 in. (15 to 25 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Unique mounded and trailing coleus grows fast and full in combos and baskets. The dense, sturdy plants ship well. Great as a low-growing annual groundcover.

Florida Sun Rose

Height: 12 to 18 in. (30 to 46 cm)
Spread: 12 to 14 in. (30 to 36 cm)

Rose-pink leaves are highlighted with burgundy and green speckles.

CUPHEA ●

Cuphea hyssopifolia

‘Allyson Heather’

Height: 14 to 16 in. (36 to 41 cm)
Spread: 16 to 18 in. (41 to 46 cm)

Compact and upright variety is well-suited to mixed containers and landscapes. Small purple flowers over glossy green foliage. Heat and drought tolerant.

CUPHEA ●

Cuphea purpurea

‘Firecracker’

Height: 10 to 14 in. (25 to 36 cm)
Spread: 12 to 14 in. (30 to 36 cm)

Mounded and trailing plants are useful in baskets, mixed containers and as a groundcover. Bright red and purple flowers top solid green foliage.



Lava Rose Coleus



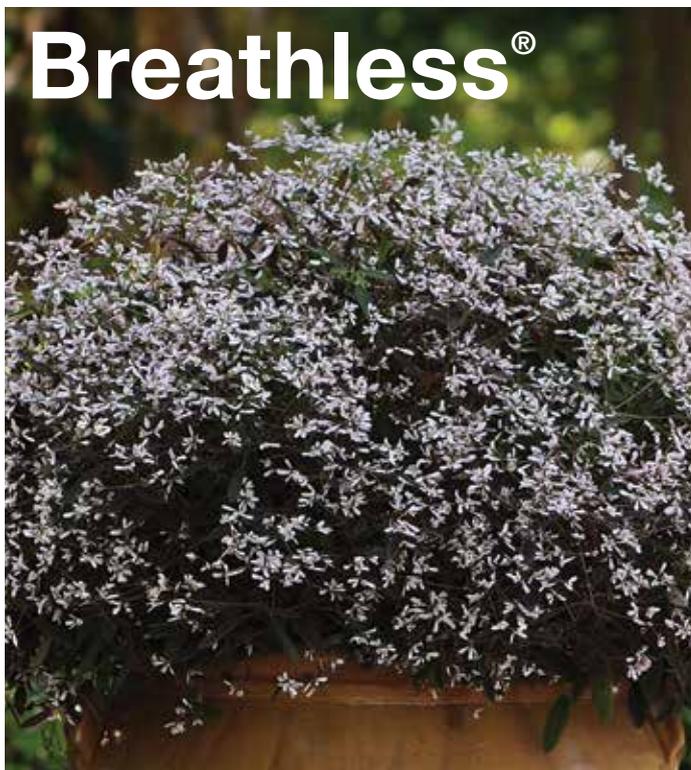
Florida Sun Rose Coleus



‘Allyson Heather’ Cuphea



‘Firecracker’ Cuphea



Breathless Blush Euphorbia



Breathless Blush Euphorbia



Breathless White Euphorbia



'Blue Daze' Evolvulus

EUPHORBIA ●●
Euphorbia hypericifolia

Breathless®

White:
Height: 10 to 15 in. (25 to 38 cm)
Spread: 24 to 28 in. (61 to 71 cm)

Blush:
Height: 8 to 12 in. (20 to 30 cm)
Spread: 20 to 24 in. (50 to 60 cm)

Durable Breathless fills in fast.
Long-lasting plants require little water and no deadheading.

Great for sun and shade mixed containers and holiday gift planters.

Available as unrooted cuttings and rooted liners.

EVOLVULUS ●●
Evolvulus nuttallianus

'Blue Daze'

Height: 12 to 14 in. (30 to 36 cm)
Spread: 18 to 20 in. (46 to 51 cm)

Heat-tolerant, trailing plant works well in combination containers and baskets. True blue flowers are a consumer favorite.

DAHLIA

Gardenetta™

Chic color for dazzling gardens



Passion Fruit

DAHLIA ●
Dahlia pinnata

Gardenetta™

Height: 16 to 18 in. (41 to 46 cm)
Spread: 12 to 16 in. (30 to 41 cm)

The series features big blooms, excellent garden performance and Powdery Mildew tolerance that beats the competition across all varieties.

Passion Fruit meets today's coral and orange color trend, and has a truly stunning yellow center.

Great habit and well-branched for gallon and larger pots.



Passion Fruit



Dark Red



Lavender Swirl

DIASCIA

DIASCIA ●●
Diascia barberae

Juliet™

Height: 6 to 8 in. (15 to 20 cm)

Spread: 4 to 6 in. (10 to 15 cm)

Compact and upright series is great for high-density pot programs.

Super-uniform across all varieties for habit and timing.

Tidy plants won't tangle, so they need less bench space and no PGRs – easier to ship, too.

Suitable for 4 to 6-in. (10 to 15-cm) pots, 10 to 12-in. (25 to 30-cm) containers.



Rose



Pink



White



Orange



Red

Direct-stick Callused Cutting



Sam Hagopian
Product Manager

Genesis offers fantastic benefits

We've seen many growers use Genesis cuttings in liners, due to the 100% rooting success and the fact that they can take it off mist multiple days earlier. This, in addition to all the other benefits listed here, make Genesis a better cutting than traditional URCs. Talk to your Ball Seed® Sales Rep or visit ballfloraplant.com for more information about mist recommendations.

LESS LABOR – Genesis can be direct-stuck into a finished container.

SHORTENED CROP TIME – The comparison on p. 53 proves the time savings.

LESS SHRINK – All Genesis cuttings arrive presorted for uniformity and primed for the best consistency in propagation.

REDUCED INPUT COST – It can be direct-stuck in cold frames and minimal heat environments.

BETTER BRANCHING AND MORE FLOWERS – Direct-sticking allows for maximum light penetration, leading to more branches, and therefore more color on the plant.

NO PROPAGATION REQUIRED – We found in our trials that with night temperatures of 55°F (13°C) or above, you can direct-stick Genesis cuttings.



Retail-ready plants in as few as 6 weeks!

Genesis cuttings offer the same speedy finish and the same top-quality plants as rooted liners, but two weeks faster than unrooted liners. In trials with **night temperatures of 55°F (13°C)**, here is a comparison of Genesis direct-stick vs. traditional unrooted liners.

Genesis Cuttings



On arrival



3 weeks after direct-stick



At 6 weeks, the same high-quality plants and equal finish timing as the rooted liner

Traditional Unrooted Liner

Start 2 weeks earlier to get liner ready on time



On arrival



3 weeks after transplant



At 6 weeks, finished plant is ready to ship

Available as Genesis Direct-stick Callused Cuttings:

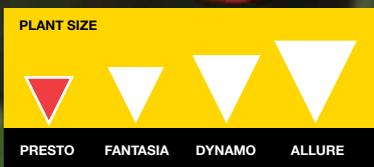
Argyranthemum Madeira™p. 28
 Bracteantha Dreamtime®p. 34
 Geranium, Ivy Focus™p. 62
 Geranium, Ivy Precision™p. 64
 Geranium, Zonal Allure™p. 60
 Geranium, Zonal Dynamo™p. 58

Geranium, Zonal Fantasia®p. 56
 Geranium, Zonal Presto™p. 54
 Osteospermum Blue Eyed Beautyp. 98
 Osteospermum Blushing Beauty.....p. 98
 Osteospermum Serenity™p. 100
 Osteospermum Voltage™ Whitep. 99

Osteospermum Voltage™ Yellowp. 99
 Scaevola 'Blue Fan'p. 112
 Scaevola Bondi™p. 112
 Scaevola 'Brilliant'p. 112
 Scaevola White Sparklep. 112

Presto™

Try to keep up with this compact, dark-leaved series



Presto™ – COMPACT HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Brilliant Red TOP SELLER	medium	dark	compact
Dark Fuchsia	medium	dark	compact
Dark Red TOP SELLER	medium	dark	compact
Dark Salmon TOP SELLER	medium	dark	compact
Deep Scarlet	medium	dark	compact
Light Salmon	medium	dark	compact
Pink TOP SELLER	medium	dark	compact
Pink+Eye	medium	dark	compact
Pink Sizzle	medium	dark	compact
Rose Sizzle	medium	dark	compact
Violet TOP SELLER	medium	dark	compact
White	medium	dark	compact

REAL SERIES: All varieties in a series have the same habit, vigor and flowering time for high-density production.

ZONAL GERANIUM

ZONAL GERANIUM ●

Pelargonium hortorum

Presto™

Height: 8 to 10 in. (20 to 25 cm)

Spread: 8 to 10 in. (20 to 25 cm)

Compact, dark leaf.

The most uniform, compact, dark-leaved zonal geranium series.

Presto produces a strong first flush of flowers – 3 to 4 blooms.

Naturally compact habit needs no PGRs, saves you time and money.

Best suited to 4 to 6-in. (10 to 15-cm) pots and 10 to 14-in. (25 to 35-cm) baskets.

Also available as Genesis direct-stick callused cuttings.

Regional culture recommendations

Our most compact line generally does not need PGR in the **West, South and Southeast regions**. To get the best plant habit in the **Midwest and Northeast**, we suggest Cycocel spray at 500 ppm 2 weeks after transplant.



Dark Red



Deep Scarlet



Brilliant Red



Violet



Dark Fuchsia



Dark Salmon



Rose Sizzle



Pink



Pink+Eye



Light Salmon



Pink Sizzle



White



Light Salmon

Fantasia®

Bright blooms, dark leaves — a fantasy come true

GENESIS™

PLANT SIZE



PRESTO FANTASIA DYNAMO ALLURE

Fantasia® – MEDIUM HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Appleblossom	medium	dark	medium
Cardinal Red TOP SELLER	medium	dark	medium
Coral	early	dark	medium
Cranberry Sizzle	medium	dark	medium
Dark Red TOP SELLER	medium	dark	medium-vigorous
Flamingo Rose	early	dark	medium
Neon Rose	medium	dark	compact
Pink	medium	dark	medium
Purple Sizzle	medium	dark	compact
Raspberry Twizzle	medium	dark	compact
Salmon TOP SELLER	medium	dark	medium
Scarlet	early	dark	medium
Shocking Pink TOP SELLER	medium	dark	medium
Strawberry Sizzle	medium	dark	medium
Violet TOP SELLER	medium	dark	medium
White	medium	dark	medium

GROWER'S CHOICE: These varieties share uniform timing and habit

ZONAL GERANIUM



Dark Red



Cardinal Red



Scarlet



Cranberry Sizzle



Violet



Purple Sizzle



Coral



Salmon



Strawberry Sizzle



Flamingo Rose



Neon Rose



Shocking Pink



Pink



Raspberry Twizzle



Appleblossom



White

ZONAL GERANIUM *Pelargonium hortorum*

Fantasia®

Height: 12 to 14 in. (30 to 36 cm)

Spread: 12 to 14 in. (30 to 36 cm)

Medium vigor, dark leaf.

Dark leaves offer superb contrast to bright blooms.

Excellent uniformity for more plants per sq. ft. and optimum shipping density.

Targeted range of core and novelty colors simplifies selection.

Best suited to 5-in. (13-cm) and larger pots and hanging baskets.

Also available as Genesis direct-stick callused cuttings.

Regional culture recommendations

This medium, dark-leafed line is production friendly in the **West**, as our trials only require Cycocel spray at 500 ppm 2 weeks after transplant to make a nice plant habit. In the **Midwest**, where there are lower light conditions, we suggest Cycocel spray at 750 ppm 2 weeks after transplant to give the plants more tone.

 *Grower's Choice: These varieties share uniform timing and habit*

Dynamo™

Powerhouse of color uniformity

GENESIS™

PLANT SIZE



PRESTO FANTASIA DYNAMO ALLURE

Dynamo™ – MEDIUM HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Dark Red TOP SELLER	medium	green	medium
Dark Salmon	medium	green - zoning	medium
Hot Pink	medium	green	medium
Light Pink	medium	green - zoning	medium
Purple	medium	green	medium
Raspberry Sizzle	medium	green	medium-vigorous
Red TOP SELLER	medium	green	medium-vigorous
Salmon TOP SELLER	medium	green - zoning	medium
Scarlet	medium	green	medium
Violet TOP SELLER	medium	green - zoning	medium
White	medium		

GROWER'S CHOICE: These varieties share uniform timing and habit

ZONAL GERANIUM

ZONAL GERANIUM ●

Pelargonium hortorum

Dynamo™

Height: 12 to 14 in. (30 to 36 cm)

Spread: 12 to 14 in. (30 to 36 cm)

Medium vigor, green leaf.

Dynamo is the powerhouse among zonal geraniums: all the key colors you need in a uniform series.

Matches for habit, flower timing and branching to ship all at once.

Powerful first flush of color with more continuous blooms per plant.

Also available as Genesis direct-stick callused cuttings.



Dark Red



Red



Scarlet



Violet



Purple



Hot Pink



Dark Salmon



Salmon



Raspberry Sizzle



Light Pink



White

 *Grower's Choice: These varieties share uniform timing and habit*

Allure™

Full-bodied and supersized — a tempting combination

GENESIS™

PLANT SIZE



Allure™ – VIGOROUS HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Hot Coral TOP SELLER	medium	green	vigorous
Light Pink	medium	green	medium
Lilac Chiffon	late	green	vigorous
Pink Sizzle	medium	green	medium
Purple Rose	medium	green	medium
Salmon TOP SELLER	medium	green - zoning	vigorous
Scarlet TOP SELLER	early	green - zoning	vigorous
Tangerine TOP SELLER	medium	green	vigorous
White TOP SELLER	medium	green	vigorous

ZONAL GERANIUM

ZONAL GERANIUM ●

Pelargonium hortorum

Allure™

Height: 14 to 18 in. (36 to 46 cm)

Spread: 12 to 14 in. (30 to 36 cm)

High vigor, green leaf.

Large, semi-double blooms last all season.

Upright plants with high stress tolerance.

Best suited to large baskets and mixed containers.

Also available as Genesis direct-stick callused cuttings.



Scarlet



Hot Coral



Tangerine



Purple Rose



Pink Sizzle



Salmon



Lilac Chiffon



Light Pink



White

IVY GERANIUM

Focus™

Zoom in on a compact, controlled habit



Red Ice

PLANT SIZE

FOCUS PRECISION

Focus™ – COMPACT HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Burgundy	early	dark	compact
Hot Pink	early	dark	compact
Red	early	dark	compact
Red Ice TOP SELLER	early	dark	compact
Rose	early	dark	compact

 REAL SERIES: All varieties perfectly timed and uniform in habit



IVY GERANIUM

IVY GERANIUM ●

Pelargonium x peltatum

Focus™

Height: 8 to 10 in. (20 to 25 cm)

Spread: 12 to 14 in. (30 to 36 cm)

Compact, dark leaf.

The only compact, dark-leaved ivy geranium series on the market.

Habit stays tight and controlled for growing in pot-tight basket production.

Naturally compact habit simplifies small pot and quart production.

Dark leaves add attractive contrast for greater appeal and value.

Perfect uniformity across all colors.

Also available as Genesis direct-stick callused cuttings.



Burgundy



Red



Hot Pink



Rose



Red Ice

Precision™

Early flowering, exact uniformity – precisely in demand



PLANT SIZE

FOCUS PRECISION

Precision™ – MEDIUM HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Burgundy	early	green	medium mounded
Burgundy Ice	early	green	medium-compact mounded
Dark Burgundy	early	green	medium mounded
Dark Salmon	early/medium	green	medium mounded
Lavender Blue <i>TOP SELLER</i>	early	dark	medium
Pink	early	green	medium mounded
Pink Flamingo	early	green	medium mounded
Red Ice <i>TOP SELLER</i>	early	green	medium mounded
NEW Rose	early	green	medium mounded
Ruby <i>TOP SELLER</i>	early	green	medium mounded
Scarlet Red	early	green	medium mounded
White Red Eye	early	green	medium-compact mounded

REAL SERIES: All varieties perfectly timed and uniform in habit

IVY GERANIUM

IVY GERANIUM

Pelargonium x peltatum

Precision™

Height: 10 to 12 in. (25 to 30 cm)

Spread: 14 to 18 in. (36 to 46 cm)

Medium vigor, green leaf.

Specially selected for early flowering and excellent uniformity.

Oedema-resistant for clean foliage at retail and better show throughout the season.

Well-suited for 4.5-in. (11-cm) pots and large baskets.

Also available as Genesis direct-stick callused cuttings.

NEW Rose: Great new rose color addition fits the series for habit and flower color saturation.



NEW Rose



Dark Burgundy



Burgundy



Ruby



Scarlet Red



Burgundy Ice



Dark Salmon



Red Ice



Pink Flamingo



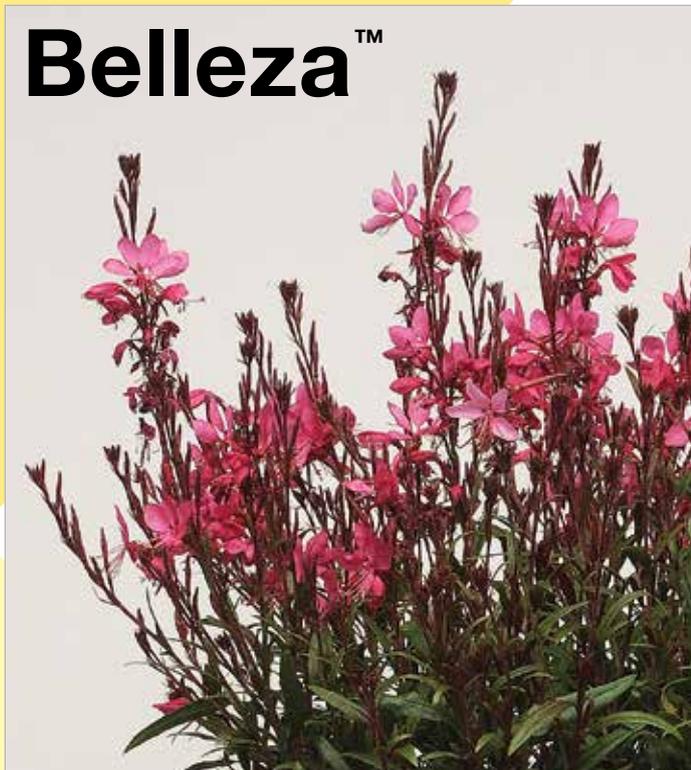
Lavender Blue



Pink



White Red Eye



Belleza Dark Pink Gaura



Belleza White Gaura



Belleza Compact Light Pink Gaura



Belleza Dark Pink Gaura

GAURA ●
Gaura lindheimeri

Belleza™

Height: 12 to 18 in. (30 to 46 cm)
Spread: 16 to 20 in. (41 to 51 cm)

A great companion plant, Belleza features excellent branching with short flower stems. Upright habit, with the exception of Compact Light Pink, which has a mounding habit.

Contact your sales rep for availability of Belleza Pink.

BELLEZA is a U.S. trademark of Selecta Klemm GmbH & Co.

HELICHRYSUM ●
Helichrysum petiolare

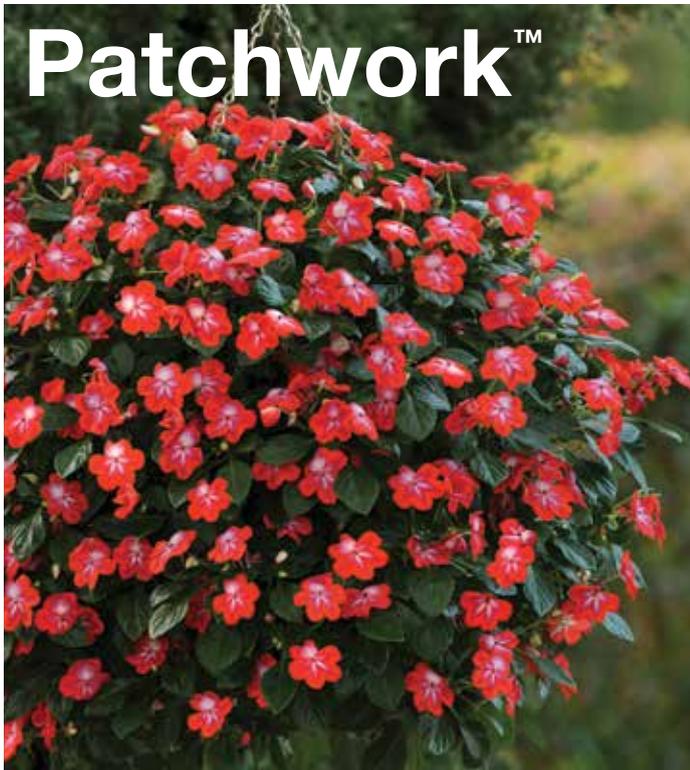
'Licorice'

Height: 8 to 10 in. (20 to 25 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Low-growing and semi-trailing, silvery green-leafed plant is useful as an accent in containers and baskets.



'Licorice' Helichrysum



Patchwork Cosmic Orange



Fusion Heat Coral



Fusion Heat Coral



Fusion Glow Yellow



Patchwork Cosmic Orange



Patchwork Peach Prism



Patchwork Cosmic Burgundy



Patchwork Pink Shades

EXOTIC IMPATIENS ●●
Impatiens walleriana

Patchwork™

Height: 10 to 16 in. (25 to 41 cm)
Spread: 12 to 14 in. (30 to 36 cm)

Nothing else has these unique novelty patterns and colors!

Low-maintenance, grower-friendly impatiens require no special culture.

Best for premium 12 to 14-in. (30 to 35-cm) baskets and large container programs. Also suitable for 6-in. (15-cm) pots, quarts and gallons.

EXOTIC IMPATIENS ●●
Impatiens hawkeri

Fusion™

Height: 10 to 16 in. (25 to 41 cm)
Spread: 10 to 16 in. (25 to 41 cm)

Heat-tolerant plants shine in the shade with high-voltage colors.

Vigorous and well-branched plants feature uniquely shaped flowers held over the foliage – great for retail.

Fusion can be grown in the same environment as Fiesta varieties.

Can withstand cool temperatures; prefers morning sun/afternoon shade in the garden.

Ideal for large, high-margin containers and baskets.

DOUBLE IMPATIENS

Fiesta Bonita™

A celebration of supersized double blooms



White

DOUBLE IMPATIENS

DOUBLE IMPATIENS ●●
Impatiens walleriana

Fiesta Bonita™

Height: 10 to 12 in. (25 to 30 cm)
Spread: 10 to 12 in. (25 to 30 cm)

Extremely uniform series pairs large, colorful blooms with a controlled habit for easy production.

Ideal for 4-in. (10-cm), quart and 2.5-quart containers, as well as 10 to 12-in. (25 to 30-cm) hanging baskets.



White



Salmon



Pink



Cherry



Rose



Burgundy



Stardust Lavender



DOUBLE IMPATIENS

Fiesta™

Big and bold double blooms for the shade



Stardust Pink and Appleblossom

DOUBLE IMPATIENS



 White



 Appleblossom



 Lavender Orchid



Pink Ruffle



 Stardust Pink



Sparkler Hot Pink



Stardust Purple



Sparkler Cherry



 Salsa Red



 Deep Orange



Sunrise Red



 Purple



Burgundy

DOUBLE IMPATIENS *Impatiens walleriana*

Fiesta™

Height: 10 to 16 in. (25 to 41 cm)

Spread: 10 to 12 in. (25 to 30 cm)

Elegant shade selection has the biggest, most fully double roselike blooms.

Includes 7 Grower's Choice varieties – these top performers deliver the most uniform habit and timing across the key double impatiens colors.

Fast, easy and economical to grow in bench-run programs.

Excellent branching and uniformity mean fewer PGRs and less stretching.

Suitable for 4 to 6-in. (10 to 15-cm) pots, 10 to 12-in. (25 to 30-cm) containers.

VIGOROUS INTERSPECIFIC IMPATIENS

SunPatiens®

Masses of nonstop color for landscapes



Vigorous Corona

VIGOROUS INTERSPECIFIC IMPATIENS



NEW

Vigorous Orchid



NEW

Vigorous Red



NEW

Vigorous Rose Pink



Vigorous Lavender



Vigorous Clear White



Vigorous White V/L



Vigorous Salmon V/L



Vigorous Corona



Vigorous Clear Orange



Vigorous Tropical Orange



Vigorous Pink Kiss



Vigorous Shell Pink

INTERSPECIFIC IMPATIENS ● ●
Impatiens hawkeri

SunPatiens® Vigorous

Height: 20 to 34 in. (51 to 86 cm)

Spread: 24 to 36 in. (61 to 91 cm)

Provides twice as much coverage and color as standard bedding plants.

Thrives in sun or shade conditions.

More robust plant growth is ideal for cooler (northern) climates.

Plants get better looking the longer they are in the garden.

Flourishes in extreme heat and blooms continuously all Summer long.

NEW Orchid: Replaces Spreading Lavender.

NEW Red: Replaces Carmine Red and Scarlet Red.

NEW Rose Pink: Replaces Vigorous Magenta.

SUNPATIENS is bred by Sakata. SUNPATIENS is a registered trademark of Sakata.



SunPatiens® Compact

Outstanding flower power for containers



Compact Electric Orange

INTERSPECIFIC

IMPATIENS 

Impatiens hawkeri

SunPatiens® Compact

Height: 14 to 28 in. (36 to 71 cm)

Spread: 14 to 24 in. (36 to 61 cm)

Tolerates all weather, from Spring through hard frost.

Unique varieties love sun as well as shade.

Compact series is bred for small pot production and is resistant to disease.

Exceptional outdoor performance.

Roots fast for reduced crop time.

NEW Pink Candy: An exciting new color for the compact series.

SunPatiens offers mixes containing three colors that have been trialed and proven to grow well together. The components are packaged and shipped together, so you can stick them in the same container to create these sensational color combos.

Best Friends Mix contains Compact White, Compact Royal Magenta and Compact Lilac impatiens.

Desert Sun Mix contains Compact Electric Orange, Compact Hot Coral and Compact Coral Pink impatiens.

Kiss'n Cousins Mix contains Compact Royal Magenta, Vigorous Pink Kiss and Vigorous Shell Pink impatiens.

Summer Salsa Mix contains Compact Coral Pink, Compact Hot Coral and Compact Red impatiens.

SUNPATIENS is bred by Sakata. SUNPATIENS is a registered trademark of Sakata.



COMPACT INTERSPECIFIC IMPATIENS



Kiss'n Cousins Mix



Summer Salsa Mix



Desert Sun Mix



Best Friends Mix



Compact Pink Candy



Compact Orange



Compact Orchid



Compact Fire Red



Compact Deep Rose



Compact Pink



Compact White



Compact Tropical Rose



Compact Blush Pink



Compact Royal Magenta



Compact Hot Coral



Compact Coral Pink



Compact Red



Compact Neon Pink



Compact Lilac



Compact Electric Orange

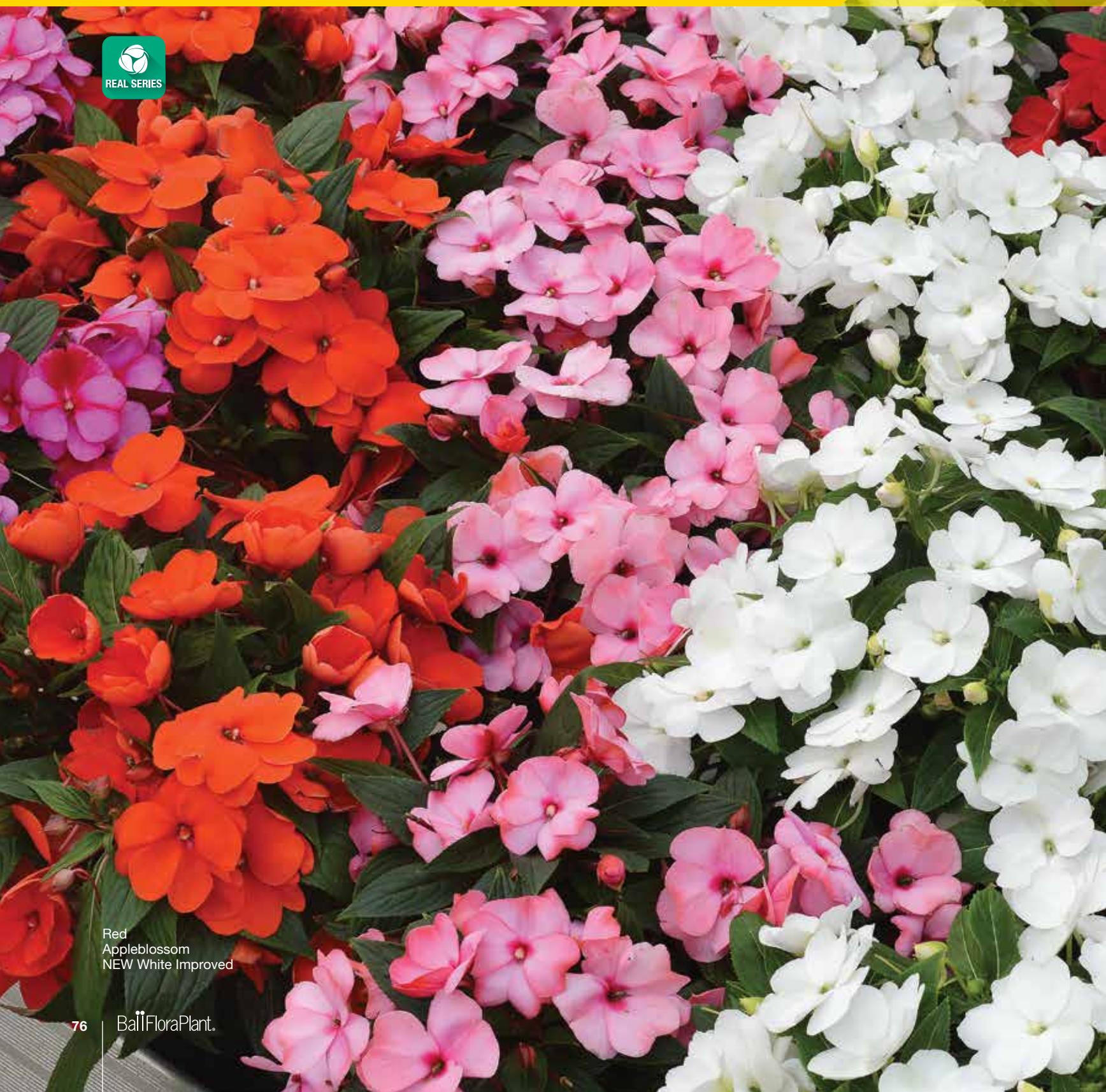


Compact Purple

NEW GUINEA IMPATIENS

Clockwork™

A compact star in small pots and mixed containers



Red
Appleblossom
NEW White Improved

NEW GUINEA IMPATIENS

NEW GUINEA IMPATIENS ● ●
Impatiens hawkeri

Clockwork™

Height: 8 to 10 in. (20 to 25 cm)
Spread: 10 to 12 in. (25 to 30 cm)

Clockwork has a strong upgrade this year and replaces Celebrette.

Bred to be extremely uniform in habit and flower timing across all colors, blooming all in the same week. Beneficial to greenhouse growers, as culture does not need adjusting. Since all colors finish together, they can be shipped to retail at the same time. Series truly performs like clockwork.

Large blooms.

Ideal for quart and gallon containers, and hanging baskets.

Five novel new colors, **NEW Cherry Strike**, **NEW Hot Pink Glow**, **NEW Lavender** and **NEW Rose**, add interest and excitement for the series while maintaining uniformity.

NEW White Improved: Offers improved branching and habit compared to the original and matches the series' timing.



White Improved



Lavender



Cherry Strike



Rose



Hot Pink Glow



Red



Pink Star



Appleblossom



Orange Stripe



Orange



Purple

Celebration

Keeps rockin' in bigger pots and baskets



NEW GUINEA IMPATIENS Celebration

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Apricot	early	dark green	vigorous
Bright Salmon	medium	dark green	vigorous
Deep Red	medium	green	compact-medium
Electric Rose	medium	green	vigorous
Icy Blue	early	dark green	vigorous
Lavender Glow	medium	green	vigorous
Orange	medium	green	vigorous
Pink	medium	green	vigorous
Purple Star	medium	bronze	medium
Rose Star	medium	bronze	vigorous
Tropical Peach	medium	dark green	medium
White	early	dark green	medium-vigorous

Purple Star

NEW GUINEA IMPATIENS

NEW GUINEA IMPATIENS ● ●
Impatiens hawkeri

Celebration

Height: 10 to 12 in. (25 to 30 cm)

Spread: 10 to 12 in. (25 to 30 cm)

Big impact for larger container programs.

Vigorous and well branched, fills in fast with fewer plants per pot.

Full color range delivers excellent greenhouse performance.

Large blooms cover the plant even in high heat.



White



Icy Blue



Pink



Rose Star



Electric Rose



Tropical Peach



Apricot



Bright Salmon



Lavender Glow



Deep Red



Purple Star



Orange

IPOMOEA

Spotlight™

A compact star in small pots and mixed containers

SEASON
EXTENDER

Top: NEW Black Heart
Bottom: NEW Lime Heart
Right: Black Cut,
Lime Cut and Red Cut

IPOMOEA ●●
Ipomoea batatas

Spotlight™

Height: 8 to 10 in. (20 to 25 cm)
Spread: 16 to 20 in. (41 to 51 cm)

The first compact ipomoea series now offers popular heart-shaped leaf varieties!

Spotlight's compact, naturally branched habit is ideal for packs and small pots. Great for mixes, too.

The series features bold, eye-catching colors and holds its color in extreme heat.

A compact solution for southern regions.

NEW Black Heart: Has a slightly more mounded, upright habit when compared to NEW Lime Heart.

NEW Lime Heart: About 25 to 30% more vigorous than NEW Black Heart, with a slight lobe shape to the foliage.



NEW

Black Heart



NEW

Lime Heart



Black Cut, Archangel Dark Rose Angelonia, Little Lucky Hot Pink Lantana and Goldilocks Lysimachia



Lime Cut



Red Cut



Black Cut

SolarPower™

Medium habit, plus energy and color for containers and landscapes



Tanya Carvalho
Territory Manager Canada

“ I love using SolarPower in garden beds and my mixed combinations. It has just the right amount of vigor.

West Region

When grown in a 12-in. (30-cm) basket, SolarPower benefits from a pinch at 2-3 weeks after stick and generally does not require a PGR when grown at an ADT of 70°F (21°C) or lower.

Midwest, Canada and Northeast Region

We breed SolarPower to be the medium habit basket solution for the Midwest, Canada and the Northeast. We recommend a B-Nine 2,500 ppm spray 2 weeks after transplant to control finished growth.

South and Southeast Region

We recommend Spotlight, our compact Ipomoea for southern baskets. If a grower chooses to grow SolarPower, we recommend a 1-2 ppm Bonzi drench 4 weeks after transplant, which will help to control growth in warm climates.

”

Top: NEW Red Heart

Bottom: Lime
Lucky Sunrise Lantana
Archangel Dark
Rose Angelonia



Photo from California trials: control (left), B-Nine 2,500 ppm spray 2 weeks after transplant (center), Bonzi 2 ppm drench 4 weeks after transplant (right).



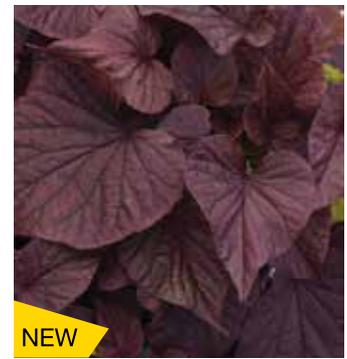
NEW

NEW Lime Heart



NEW

Lime Heart



NEW

Red Heart



NEW

Black Heart

IPOMOEA ●●
Ipomoea batatas

SolarPower™

Height: 10 to 12 in. (25 to 30 cm)
Spread: 24 to 36 in. (61 to 91 cm)

New heart-shaped leaf varieties join the series!

Densely branched SolarPower holds its shape and color in the landscape and mixed combos all Summer long, and it works well with companion plants.

Medium vigor and a well-branched habit.

Most efficient in production.

SolarPower's tidy habit allows for more plants per rack at retail. Best for gallon containers, 10 to 12-in. (25 to 30-cm) hanging baskets, mixed containers and landscapes.

A small-pot solution for northern regions.

NEW Black Heart: Offers an excellent mounded habit with a very clean, true heart-shaped leaf. The deep black coloration stays true all Summer long, and in Spring conditions, early growth is deep purple.

NEW Lime Heart: New color has a slight lobe in the heart shape of the foliage.

NEW Red Heart: This new medium red offers a deep red color all through Summer and a clean, true heart-shaped leaf.



Black



Lime



Red



Lime

IPOMOEA

SolarTower™

First-ever self-climbing ipomoea

SEASON
EXTENDER



Lime
Lucky Red Lantana
FlameThrower
Chili Pepper Coleus



Black



Lime



Lime

IPOMOEA 🟡🟢
Ipomoea batatas

SolarTower™

Height: 48 to 84 in. (122 to 213 cm)

Spread: 36 to 48 in. (91 to 122 cm)

The first-ever self-climbing ipomoea! SolarTower climbs very quickly and fills a large pot on a quick turn.

Climbing plant is ideal for use with a trellis, as a topiary or on a vertical wall planting.

Recommended pot size is 1 gallon and up with some kind of trellis, making a huge impact at retail.

Also recommended as a thriller in mixed combos, climbing up a small bamboo stick.

Easy for the grower to maintain and produce, as it should not need any trimming, PGRs or training to climb the trellis.

Provides instant garden décor for consumers.

Bloomify™

First certified sterile lantana won't multiply

SEASON
EXTENDER



Red



Red



Rose

Seed Set



Bloomify Red bursts with continuous flowers and color



Competitive red has slowed-down flowering and shows seed pods

LANTANA ●
Lantana camara

Bloomify™

Height: 12 to 14 in. (30 to 36 cm)

Spread: 10 to 12 in. (25 to 30 cm)

The first certified sterile lantana series on the market!

Completely sterile, so it won't go out of flower in the heat of Summer.

Features better branching than the competition for a better appearance at retail.

Two weeks later to flower than the Lucky series, with a nice ball-shaped habit.

LANTANA

Little Lucky™

This one's the charm for pot-tight production

SEASON
EXTENDER



Red

LANTANA



Red, Peach Glow, Orange and Lemon Cream



Pink



Pot of Gold



Orange



Peach Glow



Hot Pink



Red



Lemon Cream

LANTANA

Lantana camara

Little Lucky™

Height: 10 to 12 in. (25 to 30 cm)

Spread: 10 to 12 in. (25 to 30 cm)

Uniform across all colors; great for bench runs and pot-tight production.

Up to 3 weeks earlier than other compact lantanas.

Low-maintenance varieties have long flowering into Summer with low seed set.

Across all colors of Little Lucky lantana, the simple growing solution is to pinch, with no PGRs.

Perfect for 4.5-in. (11-cm) programs.

NEW Pink: Flowers at the same time as all the other colors in the series, and it is a good match in habit to Orange.

Lucky™

Magically stands up to hot, dry conditions



Jason Twaddell
Territory Manager Great Lakes/Northeast



You can't go wrong with Lucky. It is my go-to lantana series.

West Region

Lucky in our trials needed a 5-week liner time and pinch once. We like a tank mix of B-Nine at 2,500 ppm and Cycocel at 750 ppm 2 weeks after transplant. A second application of the same tank mix at approximately 4 to 5 weeks after transplant may be needed.

Midwest, Canada and Northeast Region

In this year's culture trials, a higher rate of B-Nine at 5,000 ppm tank mixed with Cycocel at 1,000 ppm eliminated the need for a late drench application to contain the plant habit.

South or Southeast Region

Pinch is recommended along with a light B-Nine spray at 1,250 ppm to help tone liners. In our trials, if Lucky Lantana is produced outdoors at appropriate temperatures, no PGR is needed. Please consult lantana finishing temperatures in the culture section on page 140.



SEASON
EXTENDER



Top: Flame

Bottom: Rose, Flame and
Pot of Gold in MixMasters
Lucky Charm



LANTANA

LANTANA ●
Lantana camara

Lucky™

Height: 12 to 16 in. (30 to 41 cm)
Spread: 12 to 14 in. (30 to 36 cm)

Excellent branching means less pinching, fewer PGRs.

Stands up to heat, drought and other stressful conditions.

Works well in small pots, baskets and mixed combos.



Red



White



Lemon Glow



Lavender



Yellow



Pot of Gold



Pure Gold



Sunrise Rose



Flame

 *Grower's Choice: These varieties share uniform timing and habit*

LANTANA

Landmark™

Makes its mark in the landscape with vivid color, high vigor

SEASON
EXTENDER

Yellow



Rose Glow



Red



White



Yellow



Gold



Citrus



Sunrise Rose



Rose Glow

LANTANA ●
Lantana camara

Landmark™

Height: 15 to 20 in. (38 to 51 cm)

Spread: 18 to 24 in. (46 to 61 cm)

Consistent vigor for fast fill and fuller canopies.

Stays controlled from bench to garden.

Thrives in extreme heat, humidity and drought.

Best suited for 6-in. (15-cm) pots to gallons.

For more lantana, see page 94.

LOBELIA

Early Springs™

Early to rise for Spring sales, but takes the heat, too



LOBELIA ●●
Lobelia hybrida

Early Springs™

Height: 8 to 10 in. (20 to 25 cm)

Spread: 8 to 14 in. (20 to 36 cm)

Early Springs is a series of highly uniform plants.

Try mixing colors for a great-looking monoculture basket.

Compact habit allows for pot-tight production with minimal PGRs and easy shipping.

Can be grown cool for energy savings, but performs beautifully in heat.

Just one plant fills a quart or gallon container.

Lavender Pink, SunSpun Lavender
Star Petunia and Aztec Lavender
Verbena in MixMasters Pink Outside
The Box



Early Springs Dark Blue



Early Springs Magenta



Waterfall Blue



Waterfall Purple



Waterfall White Blush



Early Springs Lavender Pink



Early Springs Sky Blue



Early Springs White



Early Springs Dark Blue



Early Springs Sky Blue



Early Springs Lavender Pink



Early Springs White

LOBELIA ●
Lobelia erinus

Waterfall™

Height: 8 to 12 in. (20 to 30 cm)
Spread: 24 to 30 in. (61 to 76 cm)

Vigorous, well-branched Waterfall is well-suited to pot-tight growing.

Less pinching is needed to send fast, full plants to market.

Covered with free-flowering blooms, the mounded, semi-trailing plants fill mixed baskets and containers.

Early flowering and daylength neutral for early-Spring programs.

Performs well in many Fall markets for season-extending sales.

HELIOTROPE



'Marine' Heliotrope

HELIOTROPE ●●

Heliotropium arborescens

'Marine'

Height: 10 to 14 in. (25 to 36 cm)
Spread: 12 to 18 in. (30 to 46 cm)

Upright plant performs well in landscapes, baskets and patio planters.



'Blazin' Lime' Iresine



'Blazin' Rose' Iresine

IRESINE ●●

Iresine herbstii

'Blazin' Lime'

Height: 12 to 16 in. (30 to 41 cm)
Spread: 16 to 20 in. (41 to 51 cm)

Vigorous, upright and full plants feature variegated foliage with vibrant rose stems; shows more chartreuse in higher light. Perfect for large mixed containers and landscapes.

IRESINE ●●

Iresine hybrid

'Blazin' Rose'

Height: 18 to 30 in. (46 to 76 cm)
Spread: 16 to 20 in. (41 to 51 cm)

Striking multi-color leaves and strong vigor assure that the plant won't get lost in large mixed plantings; also ideal for landscapes.



'Dallas Red' Lantana



'New Gold' Lantana

LANTANA ●●

Lantana camara

'Dallas Red'

Height: 15 to 20 in. (38 to 51 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Mounded; useful in combination plantings. Clusters of red flowers fade to orange and yellow.

'New Gold'

Height: 15 to 20 in. (38 to 51 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Mounded and spreading; well-suited to landscapes.



'Purple Trailing' Lantana



'Goldilocks' Lysimachia

LANTANA ●●

Lantana montevidensis

'Purple Trailing'

Height: 20 to 24 in. (51 to 61 cm)
Spread: 15 to 20 in. (38 to 51 cm)

Good selection for combination plantings.

LYSIMACHIA ●●

Lysimachia nummularia

'Goldilocks'

Height: 2 to 4 in. (5 to 10 cm)
Spread: 12 in. (30 cm)

Low-care, trailing plant has lime green leaves that turn iridescent in the sun. Self-cleaning. Recommended for use in mixed containers. Temperate perennial in Zones 3 to 10.

© The John Henry Co.



'Jade Frost' Lamium



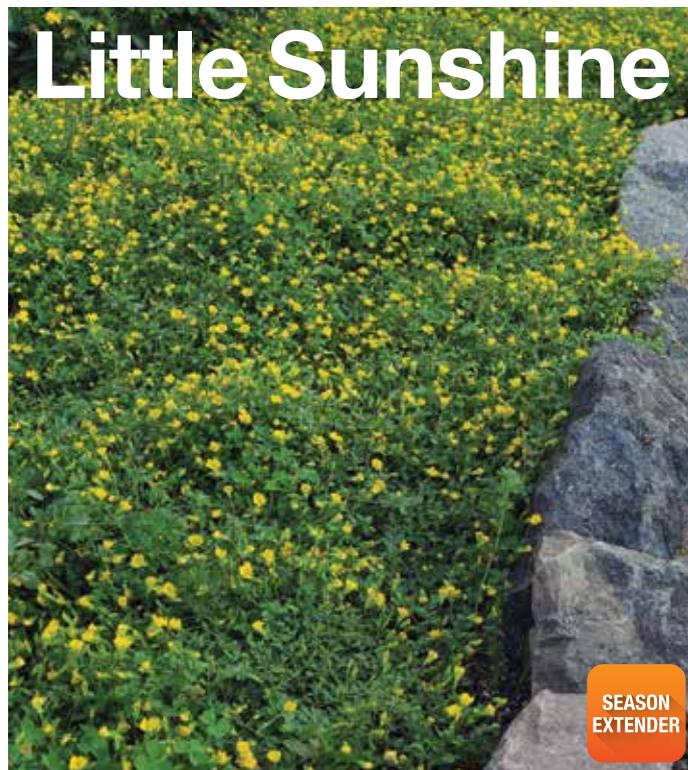
'Beacon Silver' Lamium



'Anne Greenaway' Lamium



'White Nancy' Lamium



Little Sunshine

SEASON
EXTENDER

Little Sunshine Mecardonia

LAMIUM ●●

Lamium galeobdolon

'Jade Frost'

Height: 8 to 10 in. (20 to 25 cm)
Spread: 36 to 48 in. (91 to 122 cm)

Fast-growing, trailing accent plant is well-suited to mixed planters and baskets.

LAMIUM ●●

Lamium maculatum

'Anne Greenaway'

Height: 6 to 8 in. (15 to 20 cm)
Spread: 36 to 48 in. (91 to 122 cm)

Groundcover features a mixture of green, silver and chartreuse leaves that turn mauve in the Spring.

'Beacon Silver'

Height: 6 to 8 in. (15 to 20 cm)
Spread: 36 to 48 in. (91 to 122 cm)

Trailing, mounded variety has silver leaves with green margins, and pinkish-purple flowers at the end of the stems all Summer. Prefers evenly moist, well-drained soil.

'White Nancy'

Height: 6 in. (15 cm)
Spread: 36 to 48 in. (91 to 122 cm)

One of the fastest-growing groundcovers has silver and green variegated foliage, with pure white flowers in early Summer.



Little Sunshine Mecardonia

MECARDONIA ●

Mecardonia hybrida

Little Sunshine

Height: 4 to 6 in. (10 to 15 cm)
Spread: 14 to 18 in. (36 to 46 cm)

USDA Zone: 10

This easy-to-produce variety flowers from Spring to Fall, making it versatile in programs all year long.

It is very tolerant of cool and warm conditions, and it will not cycle out of color at the point of sale.

It works well in 4-in. (10-cm) pots to hanging baskets, and offers great performance in the landscape.



LOBULARIA

NEW Easy Breezy™

The easy choice for longer-flowering lobularia



Top: NEW White
Bottom: NEW Pink

NEW Easy Breezy is the only lobularia that can last 2-3 weeks longer in the Texas heat when compared to leading competitors.



NEW

White



NEW

Pink



LOBULARIA

Lobularia maritima

NEW Easy Breezy™

Height: 10 to 12 in. (25 to 30 cm)

Spread: 12 to 16 in. (30 to 41 cm)

Excellent branching and 2 to 3 weeks longer flowering in the heat make Easy Breezy the only choice in lobularia.

Features a non-split habit late in the production cycle for higher sell-through.

Medium habit makes for perfectly balanced mixes.

Requires less to no PGRs for reduced production costs.

Easy to ship, with more plants per rack.

GENESIS™

Direct-stick Callused Cuttings

Less labor. Shortened crop time. Less shrink. Reduced input costs. Get retail-ready, top-quality osteospermums in as little as 14 weeks.

Genesis™ Cuttings

All our osteos are also available as Genesis cuttings. For more information on Genesis cuttings, see pages 52-53.



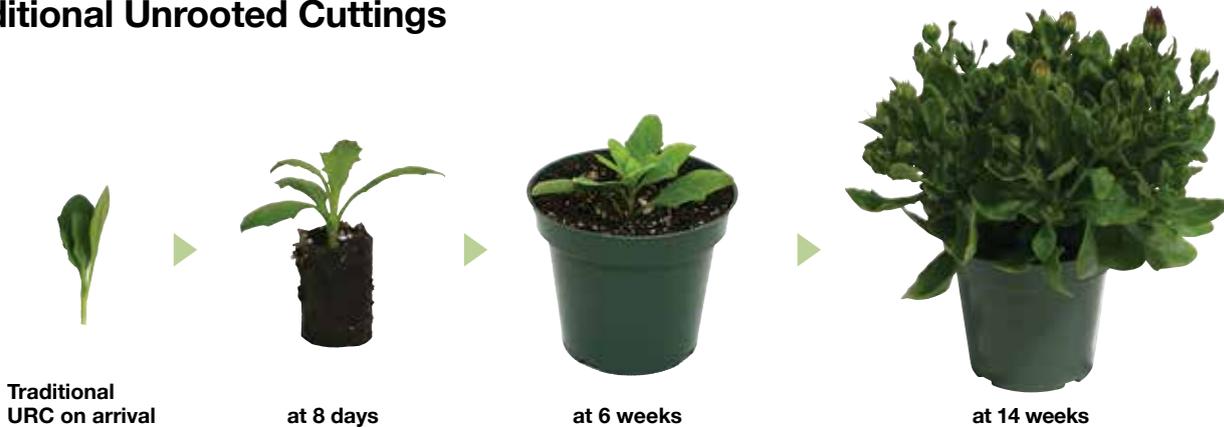
Genesis cuttings arrive ready to direct-stick in the finish container.

Genesis cuttings 8 days: With the callus already on, roots initiate quickly.

Genesis cuttings 6 weeks: Direct-stuck Genesis cuttings branch sooner and stronger for a better-quality finished plant.

Genesis cuttings 14 weeks: The Genesis osteo is in full bloom, out the door and ready to sell, while the traditional URC osteo is just starting to open flowers.

Traditional Unrooted Cuttings



Traditional URC on arrival

at 8 days

at 6 weeks

at 14 weeks

Blue Eyed Beauty & Blushing Beauty

A perfectly pretty pair



Blue Eyed Beauty

OSTEOSPERMUM ●
Osteospermum ecklonis

Blue Eyed Beauty

Height: 10 to 14 in. (25 to 36 cm)
Spread: 14 to 20 in. (36 to 51 cm)

Change the way you look at osteos – perfect for premium, early Spring sales.

The bright Spring yellow and contrasting center grab your eye from afar.

Exceptional bicolor has excellent habit, flower presentation and shelf life.

Also available as Genesis direct-stick callused cuttings.

Blushing Beauty

Height: 10 to 14 in. (25 to 36 cm)
Spread: 14 to 20 in. (36 to 51 cm)

Makes a colorful pair with Blue Eyed Beauty, matching well in habit and timing.

The golden yellow color and purple/pink center offer a warm, romantic touch.

Fits in our collection of exciting colors for unique-looking osteospermum.

Also available as Genesis direct-stick callused cuttings.



Blushing Beauty



Voltage™ Yellow & Voltage™ White

Electrifying color for Summer gardens



Voltage Yellow

OSTEOSPERMUM ●
Osteospermum hybrid

Voltage™ Yellow

Height: 10 to 16 in. (25 to 41 cm)

Spread: 24 to 28 in. (61 to 71 cm)

First osteo in bloom is also the last out of bloom – vibrant color shouts SPRING!

Mounded habit with flexible stems that sleeve, ship and show well.

Needs fewer PGRs to produce naturally full and compact plants.

Ideal for large baskets, quarts and gallons.

Also available as Genesis direct-stick callused cuttings.

Voltage™ White

Height: 12 to 18 in. (30 to 46 cm)

Spread: 14 to 20 in. (36 to 51 cm)

The best Summer-performing osteo is great for growing in all climates.

Traditional daisy has white petals with a bright yellow center.

Blooms a little later than Voltage Yellow, with a more compact habit.

Also available as Genesis direct-stick callused cuttings.



Voltage White



OSTEOSPERMUM

Serenity™

Low-stress production with high-interest color



OSTEOSPERMUM ●

Osteospermum ecklonis

Serenity™

Height: 10 to 14 in. (25 to 36 cm)

Spread: 14 to 20 in. (36 to 51 cm)

Exceptional habit and uniform timing for early-season bench-run production.

“Magic” colors change as flowers fully open – a plus in consumers’ eyes!

Low-energy crop produces full, mounded plants with tighter bench spacing and fewer PGRs.

All varieties feature the same excellent branching.

Well-suited to cool-season containers and landscapes: a full-season performer in coastal markets.

Also available as Genesis direct-stick callused cuttings.

Spring Day

OSTEOSPERMUM



Pink Magic



Rose Magic



Lemonade



Lavender Frost



Deep Yellow



Red



Spring Day



White



Bronze



Pink



Dark Purple

ColorRush™

Bursting with bold color for large baskets and landscapes



Gail Shafer
Breeder



We've trialed **ColorRush** in the ground in various climates. Time and time again, it lives up to its name by providing massive mounds of vibrant color. Here are some best practices you can follow to get ColorRush ready for landscape applications.

West Region

Finish in an outdoor cold frame, where it can receive natural night temperatures as low as 32°F (0°C), but have some form of greenhouse roof protection to avoid frost exposure. PGRs in our trials were not needed when average daily temperature was below 54°F (12°C) in outdoor tunnels.

Midwest, Canada and Northeast Regions

Based on our Midwest trials, we recommend a Bonzi spray at 5 ppm 10 days after stick and a Bonzi drench at 5 ppm 3 to 4 weeks after transplant, if needed. This keeps plants from growing together on the bench.

South or Southeast Region

Finish in an outdoor cold frame, where it can receive natural night temperatures as low as 32°F (0°C), but should not be exposed to frost during the production cycle. Since many locations in the South or Southeast will not be able to provide an average daily temperature under 54°F (12°C), we recommend a Bonzi drench between 1 to 3 ppm to control finished growth.



Top: Pink Vein
Bottom: Pink trialed in the ground against the market leader



PETUNIA



Pink Vein



Pink



Blue

PETUNIA ●

Petunia x hybrida

ColorRush™

Height: 10 to 12 in. (25 to 30 cm)

Spread: 24 to 36 in. (61 to 91 cm)

Notable for big vigor and big garden performance.

Our most vigorous line is ideal for 12-in. (30-cm) and larger containers and baskets, as well as landscapes.

Mounds of color hold up in the heat and rain.

Includes a range of bright, eye-catching colors and novelties.

These varieties have nicely matched habits, making production planning easier.



Blue and Pink

ColorBlitz™

Redefining medium petunias



Kris Carlsson
Product Launch and Assortment
Manager



We have trialed ColorBlitz up against all other medium-vigor petunias and found it to be the most uniform of all. This makes growing it very simple.

West Region

ColorBlitz 12-in. (30-cm) baskets were successfully grown without PGRs. We held our transplanted basket in a greenhouse for 4 weeks with minimum night temperatures at 60°F (16°C). Once rooted in, we moved baskets to an outdoor tunnel with an average daily temperature of 50°F (10°C) and minimum night temperatures above 32°F (0°C).

Midwest, Canada and Northeast Regions

Pinching 2 weeks after transplant will develop better branching habits when finishing 12-in. (30-cm) baskets. An application of 1 ppm Bonzi drench is recommended 3-4 weeks after transplant.

South and Southeast Regions

ColorBlitz will make an excellent 12-in. (30-cm) basket with high light and cool nights. When night temperatures increase, we recommend a Bonzi drench at 2-4 ppm within 3-4 weeks after transplant to tone finished growth.



Top: Redtastic
Bottom: Bluerific, Cabaret
White Calibrachoa and Violet
Wink Verbena in MixMasters
Eye Caramba





Blue



Red



Sky Blue



Purple



Redtastic



Amethyst



Rose Stardust



Snowy White



Bluerific



Pinkceptional



Lavender Shades



Yellow



Ocean Blue



Blue Stardust

PETUNIA ●
Petunia x hybrida

ColorBlitz™

Height: 8 to 10 in. (20 to 25 cm)
Spread: 16 to 22 in. (41 to 56 cm)

Bicolor and solid color varieties match in vigor and habit.

Medium-vigor series is well-suited for gallon and larger production. The colors also make great additions to mixed containers, and are best for gallon and 12-in. (30-cm) hanging baskets. Early flowering.

Proven greenhouse performance under lower light and low-temperature production.

NEW Blue and **NEW Red** expand the series with key colors for the market.

PETUNIA

Sun Spun[®]

Spin early-season selling gold from these compact performers



Burgundy, Cabaret White Calibrachoa
and Aztec Blue Velvet Verbena in
MixMasters Jazzberry Jam



Pink Ice



Yellow



White



Neon Pink



Coral



Blue



Pink



Red



Burgundy



Lavender Star



Raspberry Star



Purple Star



Burgundy

MOUNDED TRAILING

PETUNIA ●

Petunia X hybrida

Sun Spun®

Height: 6 to 10 in. (15 to 25 cm)

Spread: 12 to 18 in. (30 to 46 cm)

Tight, compact habit stays tangle-free on the bench.

Early to flower, fast to finish, quick to sell!

Low energy-input crop is highly programmable for high-density, high-efficiency quart production.

Perfect for premium pots and in hanging baskets.

PETUNIA



NEW

'Jelly Roll' – Darkest flower under Midwest Spring conditions.

PETUNIA ●

Petunia x hybrida

NEW 'Jelly Roll'

Height: 8 to 10 in. (20 to 25 cm)
Spread: 16 to 22 in. (41 to 56 cm)

An exciting bicolor that doesn't exist in the current market. Offers early flowering and reliable greenhouse performance under lower light and low-temperature production. Makes a great addition to mixed containers and medium-sized baskets. Best for gallon and 12-in. (30-cm) hanging baskets.



Phantom



Cha-Ching Cherry

Phantom

Height: 8 to 12 in. (20 to 30 cm)
Spread: 8 to 12 in. (20 to 30 cm)

A must-have for any petunia program – alone or in combos. Phantom shows off a black base color with a distinctive yellow star pattern. It's the perfect companion to Black Magic and Pinstripe at retail and in the garden.

Cha-Ching Cherry

Height: 10 to 16 in. (25 to 41 cm)
Spread: 16 to 20 in. (41 to 51 cm)

Exciting multi-color variety wows with cherry red blooms and creamy yellow star pattern. Easy to grow – times with other Ball FloraPlant novelty petunia varieties. Mounding habit, vigor and timing match other Ball FloraPlant novelty varieties like Pinstripe for efficient production. Mixes well with other species in combinations.



Pinstripe



Black Magic

Pinstripe

Height: 8 to 12 in. (20 to 30 cm)
Spread: 8 to 12 in. (20 to 30 cm)

Adds a stylish and sophisticated look to mixed containers. Each of the dark purple blooms shows off a creamy white star pattern. Easy-to-grow mounded habit matches Sun Spun.

Black Magic

Height: 10 to 16 in. (25 to 41 cm)
Spread: 16 to 20 in. (41 to 51 cm)

The blackest black petunia on the market! Features stable, non-stripping blooms with excellent flower form and a controlled, mounded, trailing habit.



Cascadias Indian Summer



Lime Light

Cascadias™ Indian Summer

Height: 10 to 12 in. (25 to 30 cm)
Spread: 12 to 18 in. (30 to 46 cm)

Striking blooms open orange and mature to salmon pink – sure to drive impulse sales. Well-branched habit is ideal for 12-in. (30-cm) hanging baskets and patio pots. Unique color option pairs with excellent garden performance.

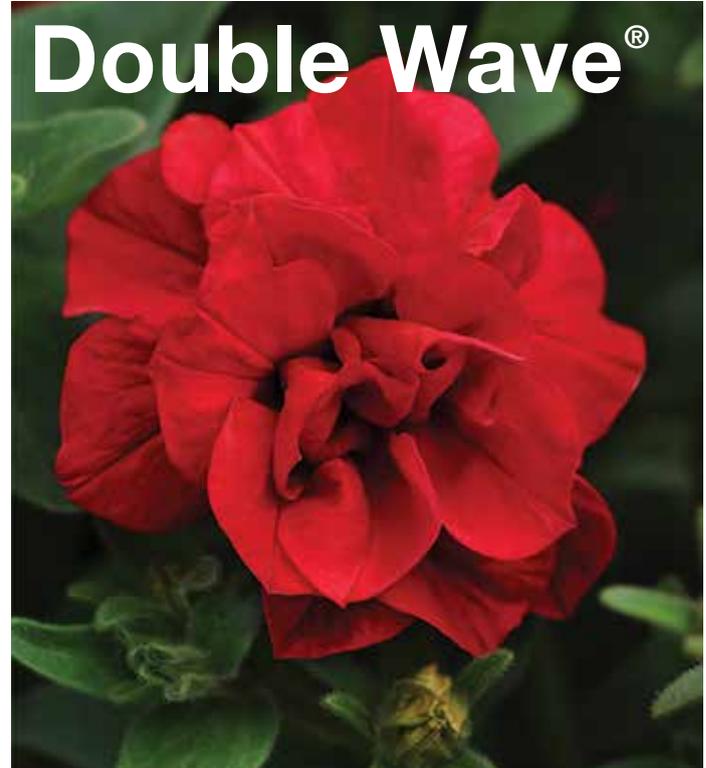
Lime Light

Height: 8 to 12 in. (20 to 30 cm)
Spread: 8 to 12 in. (20 to 30 cm)

This distinctive compact variety has trumpet-shaped blooms in rose with a lime border. Lime Light is early blooming and highly floriferous, with a mounding habit. With its premium, sought-after color on cost-effective, grower-friendly plants, Lime Light is perfect for small pots and hanging baskets. Extremely sensitive to any PGR treatment.



Ragtime



Double Wave Red



Rhythm And Blues

TRAILING PETUNIA ●

Petunia x hybrida

Ragtime

Height: 12 to 18 in. (30 to 46 cm)
Spread: 24 to 48 in. (61 to 122 cm)

Slightly more compact in early finished pot production, making it easier to grow in a basket or gallon pot. Excellent purple and white picotee flowered petunia pairs nicely with Rhythm And Blues. Early-flowering variety has the perfect habit for dramatic displays in hanging baskets at retail and in the garden.

Rhythm And Blues

Height: 8 to 12 in. (20 to 30 cm)
Spread: 12 to 16 in. (30 to 41 cm)

This mounded, spreading and very free-flowering petunia is adaptable to cold finishing programs, making it a low-energy input item. Rhythm And Blues has a stable white rim and excellent vigor, and is easy to grow for early-season premium baskets and containers.



Double Wave Pink



Double Wave Rose



Double Wave White



Double Wave Blue Vein



Double Wave Purple



Double Wave Blue Velvet

SPREADING DOUBLE

PETUNIA ●

Petunia X hybrida

Double Wave®

Height: 6 to 8 in. (15 to 20 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Delivers the same high performance and versatile uses that have made the entire Wave® family the most asked-for-by-name plant brand ever! Fully double flowers in vibrant colors cover the mounded and spreading, dark green-leaved plants to make outstanding mixed containers, baskets and gardens.



PETCHOA

SuperCal®

The all weather petunia, rain or shine



Top: NEW Premium Cinnamon
Bottom: Light Yellow



NEW

Premium Cinnamon



NEW

Premium Caramel Yellow



NEW

Premium Bordeaux



NEW

Premium French Vanilla



NEW

Premium Sunray Pink

PETCHOA ● ●
Petunia (Inter-generic hybrid)

NEW SuperCal® Premium

Height: 14 to 20 in. (36 to 51 cm)

Spread: 14 to 22 in. (36 to 56 cm)

New series offers the same excellent performance as SuperCal, with larger flowers, an improved habit and a more mounded, refined growth.



Light Yellow



Pink



Artist Rose



Blue



Crimson Red



Neon Rose



Pink Ice



Salmon Glow



Purple



Blushing Pink



Cherry



Garden Magic Mix



Violet



Terracotta



Summer Sensation Mix

SuperCal®

Height: 10 to 14 in. (25 to 36 cm)
Spread: 12 to 18 in. (30 to 46 cm)

The best characteristics of petunias and calibrachos in one exceptional collection.

Unique, vibrant colors, large blooms and high pH tolerance.

Early-flowering varieties can be grown cool for cost-efficient production.

Excellent heat tolerance and weather recovery.

SuperCal offers 3-color mixes that have been trialed and proven to grow well together. The components are packaged and shipped together, so you can stick them in the same container to create these sensational color combos.

Garden Magic Mix contains Blue, Light Yellow and Cherry petchoa.

Summer Sensation Mix contains Blue, Light Yellow and Pink petchoa.

SUPERCAL is bred by Sakata. SUPERCAL is a registered trademark of Sakata.



NEMESIA



Aromatic Royal
Blue Nemesis



Aromatic Rose
Pink Nemesis



'Nico'
Plectranthus



Brilliant Scaevola



Bondi Blue Scaevola



Aromatic White Nemesis



'Nicolleta'
Plectranthus



Variegata
Plectranthus



White Sparkle
Scaevola



'Blue Fan'
Scaevola



Bondi White Scaevola

NEMESIA ●

Nemesia fruticans

Aromatic™

Height: 12 to 14 in. (30 to 36 cm)
Spread: 10 to 12 in. (25 to 30 cm)

The best-matched nemesias for size and flower timing, with a wide color array. Very free-flowering, well-branched plants are economical and easy to produce. Compact, upright, fragrant plants.

PLECTRANTHUS ●●

Plectranthus coleoides

'Nico'

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 to 36 in. (30 to 91 cm)

Vigorous accent plant is known for its dark green foliage and semi-prostrate habit. Useful in combos, patio planters and landscapes.

'Nicolleta'

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 to 36 in. (30 to 91 cm)

Fuzzy, silvery gray leaves make this a stunning container accent plant.

Variegata

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 to 18 in. (30 to 46 cm)

Trailing and vigorous, this white-edged foliage plant is useful in combinations and baskets.

SCAEVOLA ●

Scaevola hybrid

Brilliant

Height: 12 to 20 in. (30 to 51 cm)
Spread: 24 to 28 in. (61 to 71 cm)

Well-branched plants with medium, controlled vigor won't fall apart in final stages of production. Habit complements White Sparkle.

Also available as Genesis direct-stick callused cuttings.

BRILLIANT is bred by J & H Westhoff Interpel.



White Sparkle

Height: 12 to 20 in. (30 to 51 cm)
Spread: 24 to 28 in. (61 to 71 cm)

Starts flowering white, then displays light blue stripes later in the season. Medium, controlled vigor means plants won't fall apart in final stages of production. Ideal for 1-gallon pots and hanging baskets.

Also available as Genesis direct-stick callused cuttings.

WHITE SPARKLE is bred by Kings Park and Botanic Garden, Western Australia.



SCAEVOLA ●

Scaevola aemula

'Blue Fan'

Height: 12 to 14 in. (30 to 36 cm)
Spread: 8 to 10 in. (20 to 25 cm)

Trailing variety is well-suited to baskets, containers and landscapes.

Also available as Genesis direct-stick callused cuttings.

Bondi™

Height: 6 to 10 in. (15 to 25 cm)
Spread: 12 to 18 in. (30 to 46 cm)

Compact series is easy to grow in small pots for high-density production. Upright habit and good branching keep Bondi looking neat and tidy at retail. Ideal for Summer heat programs – nice in hanging baskets and mixed containers.

Also available as Genesis direct-stick callused cuttings.

BONDI is bred by Kings Park and Botanic Garden, Western Australia.





Río Grande Magenta Purslane



Río Grande Scarlet Purslane



Río Grande Orange Purslane



Río Grande Yellow Purslane



Río Grande White Purslane

PURSLANE ●
Portulaca oleracea

Río Grande™

Height: 3 to 4 in. (8 to 10 cm)
Spread: 10 to 12 in. (25 to 30 cm)

Well-matched in vigor, controlled habit and good branching. Exceptionally large flowers in a vibrant range of core colors – beautiful in baskets. Rugged performer thrives in heat and keeps flowering all Summer.

PURSLANE ●
Portulaca grandiflora

Fairytales Cinderella

Height: 4 to 8 in. (10 to 20 cm)
Spread: 14 to 16 in. (36 to 41 cm)

The largest double blooms on the market. Heat and drought-tolerant, this easy-care, low-spreading plant works well in baskets, large containers, landscapes and rock gardens.

Grower's Choice: These varieties share uniform timing and habit



Fairytales Cinderella Purslane



Mona Lavender Plectranthus



Magilla Purple Perilla



'Persian Shield' Strobilanthes

PERILLA ● ●
Perilla frutescens

Magilla® Purple

Height: 24 to 36 in. (61 to 91 cm)
Spread: 12 to 18 in. (30 to 46 cm)

Striking, multi-color accent plant is extremely well-branched and vigorous, so fewer inputs are needed. Fills in mixed containers fast, and delivers great heat tolerance and Summer performance.

PLECTRANTHUS ● ●
Plectranthus x hybrida

Mona Lavender

Height: 12 to 16 in. (30 to 41 cm)
Spread: 24 to 36 in. (61 to 91 cm)

Easy to program for flower timing. Versatile Mona Lavender stands up to high heat in production – it's a terrific northern Fall product and a staple in the South. Requires short days to flower.

KIRSTENBOSCH is a U.S. registered trademark of the South African National Biodiversity Institute.



STROBILANTHES ● ●
Strobilanthes dyerianus

'Persian Shield'

Height: 18 to 24 in. (46 to 61 cm)
Spread: 24 in. (61 cm)

Very vigorous with excellent heat tolerance. Works well in mixed containers, baskets and window boxes.

Mysty & Mystic Spires

Soaring pinnacles of success



Luis Munoz
Culture Research Technician

Compact Mysty is Great for Combos

Mysty brings a whole new spec to salvia, and actually produces well in small pots and plays well in combos.

Regional culture recommendations

West Region

We found that Mysty Salvia can be successfully grown without PGR. PGR applications shortened flower spikes. A B-Nine 2,500 ppm spray application 2 weeks after transplant will slightly tone plant. See picture below showing Mysty with no PGR.

Midwest, Canada and Northeast Regions

Mysty Salvia can be successfully grown without PGRs. If needed, low B-Nine or B-Nine/Cycocel tank mix applications help slightly tone plant. See ballfloraplant.com for full trial details, including PGR rates.

South and Southeast Regions

Mysty Salvia can be produced with no PGR for all target production weeks later than week 5. For all target production before week 5, a 1 ppm Bonzi drench will help to reduce the length of the flower stems.



Mysty

SEASON
EXTENDER



Mysty

SALVIA ●

Salvia longispicata x farinacea

Mystic Spires

Height: 18 to 24 in. (46 to 61 cm)
Spread: 12 to 18 in. (30 to 46 cm)

This impressive salvia offers excellent Summer garden performance, with longer flower hold for a brighter blue flower color in the garden. A premium variety that can command a higher price point. The sturdy, dark green-leaved plants are naturally compact, well-branched and very free-flowering. Heat-hardy plants are great for late Spring/Summer programs. This dwarf 'Indigo Spires' type is well-suited to landscapes and mixed containers.

Mysty

Height: 12 to 18 in. (30 to 46 cm)
Spread: 12 to 18 in. (30 to 46 cm)

This compact salvia is about 25 to 35% less vigorous than Mystic Spires, making it a better variety for mixes. Covered with true blue flowers all season, the dark green-leaved plants are naturally more compact, well-branched and very free-flowering. Heat-hardy plants are great for late Spring/Summer programs. Ideal for middle of the garden borders and 10 to 12-in. (25 to 30-cm) mixed containers.



Mystic Spires



Mysty



'Black & Bloom' Salvia



Burgundy Wink



Sunny Arizona Glow Thunbergia



'Black & Blue' Salvia



Violet Wink



Sunny Lemon Star Thunbergia



Sunny Orange Wonder Thunbergia

SALVIA ●
Salvia guaranitica

'Black & Bloom'

Height: 36 to 48 in. (91 to 122 cm)
Spread: 36 to 48 in. (91 to 122 cm)

Makes a big impact with a thicker leaf, bigger bloom and darker stem than Black & Blue. Tough as nails – it thrives in heat, drought and humidity. Very fast to finish and easy to grow, requiring very little attention. Desirable deep blue color against a black stem stands out in every landscape or container. Ideal for 4-in. (10-cm), 1-gallon and 2-gallon pots.

'Black & Blue'

Height: 24 to 36 in. (61 to 91 cm)
Spread: 12 to 18 in. (30 to 46 cm)

Very vigorous, well-branched plants show off large, dark blue flowers over dark green, velvety leaves. Heat-hardy plants are great for late Spring/Summer programs.

VERBENA ●
Verbena hybrida

Burgundy Wink and Violet Wink

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 to 18 in. (30 to 46 cm)

Excellent Powdery Mildew resistance – needs fewer chemical applications.

Fast off the bench and on to retail shelves.

Performs beautifully in baskets, mono and mixed containers.

THUNBERGIA ●
Thunbergia alata

Sunny™

Height: 60 to 96 in. (152 to 244 cm)
Spread: 16 to 24 in. (41 to 61 cm)

Ball FloraPlant is the only source for in-demand unrooted thunbergia cuttings. This vigorous vine produces very large, brightly colored flowers all Summer. Sunny has a short crop time under warm conditions. Great for baskets, large containers and upright vining areas.

● *Grower's Choice: These varieties share uniform timing and habit*

NEW Cadet Upright™

Falls in line with an upright habit



Eric Pitzen
Territory Manager Southeast/
Southwest

“ Cadet Upright is the best choice for your 1 qt. verbena production. It is naturally compact. Follow these regional culture recommendations to get the perfect quart every time.

West Region

We were able to successfully grow Cadet Upright Verbena with no PGRs under cool nights with average daily temperatures of 60°F (16°C) or less. We pinched approximately 4 weeks after stick and transplanted 2 weeks after pinch. When ADT exceeds 60°F (16°C), we recommend B-Nine 2,500/Cycocel 750 ppm tank mix spray 2 weeks after transplant.



Midwest, Canada and Northeast Regions

With low light levels during Midwest Spring conditions, a 1 ppm Bonzi drench 4 weeks after transplant held plants and controlled excessive growth with no effect on flowering.

South and Southeast Regions

An early spray application to liners of 3 ppm Bonzi 2 weeks prior to transplant is recommended to promote branching and tone plants. We were able to successfully grow Cadet Upright Verbena with no finishing PGRs with average daily temperatures in excess of 72°F (22°C). If temperatures spike late in the crop cycle, use a Bonzi 1 ppm drench.



NEW Hot Pink Wink



NEW White



NEW Magenta Wink



NEW Red

VERBENA 
Verbena peruviana

NEW Cadet Upright™

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 to 14 in. (30 to 36 cm)

Flowers one week earlier than other upright verbena on the market.

Most uniform habit across the series compared to the competition.

Features the same heat performance as EnduraScape in a compact patio pot habit.

All colors can be treated the same culturally.

Proven superior Powdery Mildew resistance when compared to the competition.

Ideal for quart and high-density, pot-tight production, as they won't tangle on the bench.



NEW

Hot Pink Wink



NEW

Magenta Wink



NEW

Pink



NEW

Lavender Blue



NEW

Red



NEW

White



NEW

Purple

NEW Firehouse™

Stands tough when the heat rises



Santiago Brown
Director of Research and Development

“ I am so excited to bring you Firehouse, a true game-changer in the medium-vigor verbenas class. We put a stop to verbenas cycling out of color in baskets and combos.

West Region

To finish Firehouse, use B-Nine 2,500/Cycocel 750 ppm spray applications 2 weeks after transplant. **NEW Firehouse Light Pink**, pictured below, was treated with B-Nine/Cycocel 750 ppm spray in California trials.



Midwest, Canada and Northeast Regions

An application of Florel at 300 ppm 2 weeks after transplant produces tighter, more toned gallons. A Bonzi 1 ppm drench can be helpful 3 to 4 weeks prior to shipping product, especially if greenhouse temperatures increase rapidly.

South and Southeast Regions

Firehouse starts with good liner production, and it is recommended to tone liners with B-Nine 2,500 ppm or a very light Bonzi spray of 0.5-1 ppm. An application of Florel at 300 ppm 2 weeks after transplant produces tighter, more toned gallons.

SEASON
EXTENDER™



Top: NEW Red
Bottom: NEW White, Cabaret
Deep Yellow Calibrachoa and
Sun Spun Yellow Petunia
in MixMasters Sunnyside



VERBENA



NEW

Pink



NEW

Grape



NEW

Lavender



NEW

Light Pink



NEW

Burgundy



NEW

Purple



NEW

Purple Fizz



NEW

Red



NEW

White

NEW Firehouse™

Height: 8 to 10 in. (20 to 25 cm)
Spread: 18 to 22 in. (46 to 56 cm)

The perfect medium-mounded basket and mixed container verbena.

Offers a full range of colors to replace the Aztec® series for medium-habit verbena.

Same superior garden performance in the heat as EnduraScape.

Less cycling means more color in the garden for Summer.

Excellent Powdery Mildew resistance.

EnduraScape™

Color that won't quit



Rick Mast
Sales Manager

Regional culture recommendations

West Region

Finish in an outdoor cold frame, where it can receive natural night temperatures as low as 32°F (0°C). PGRs are generally not needed unless average daily temperatures (ADT) exceed 54°F (12°C), at which time we would recommend a 2 ppm Bonzi drench. EnduraScape Red generally does not need PGRs when ADT exceeds 54°F (12°C).



Midwest, Canada and Northeast Regions

Cultural trials show an application of Bonzi at 2 ppm 10 days after transplant controls the growth of this series. A second Bonzi at 2 ppm roughly 38 days after transplant further improves EnduraScape's habit. For EnduraScape Red production, it responds to a B-Nine 2,500 ppm spray at 2 weeks and 4 weeks after transplant.

South and Southeast Regions

Finish in an outdoor cold frame, where it can receive natural night temperatures as low as 32°F (0°C). PGRs are generally not needed unless average daily temperatures (ADT) exceed 54°F (12°C), at which time we would recommend a 2-4 ppm Bonzi drench. EnduraScape Red generally does not need PGRs when ADT exceeds 54°F (12°C).

SEASON
EXTENDER



Top: Blue
Bottom: Hot Pink



NEW

Pink Fizz



NEW

White



Blue



Pink Bicolor



White Blush



Magenta



Red



Purple



Pink Bicolor



Hot Pink



Dark Purple

EnduraScape™

Height: 8 to 12 in. (20 to 30 cm)
Spread: 18 to 24 in. (46 to 61 cm)

The first verbena that's hardy in the hottest days of Summer, but can take the cold down to the low teens and still rebloom in Spring.

EnduraScape revs up the color with 10 high-octane varieties.

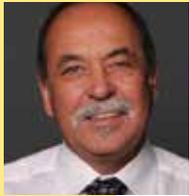
Superior branching: finished product has a full habit with a high bloom count in gallon containers.

Excellent Powdery Mildew resistance.

NEW Pink Fizz: Excellent habit that matches Pink Bicolor, with the same great performance.

NEW White: Offers a more vigorous habit that matches Purple and Magenta.

Canada



Yves Cournoyer
Regional Sales Director



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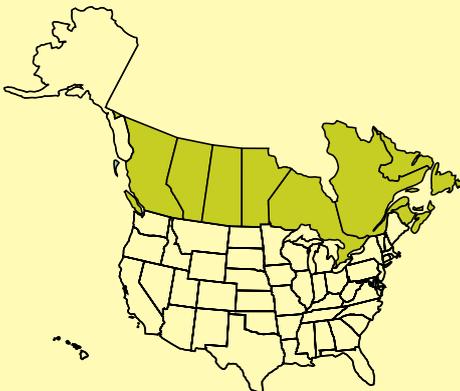
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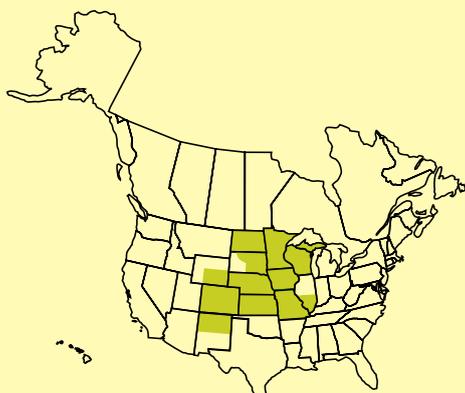
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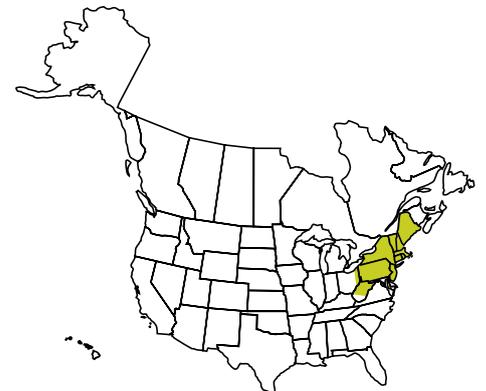
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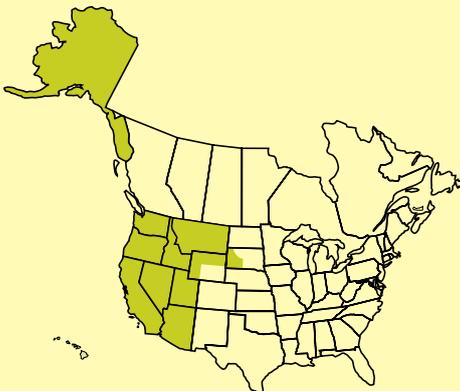
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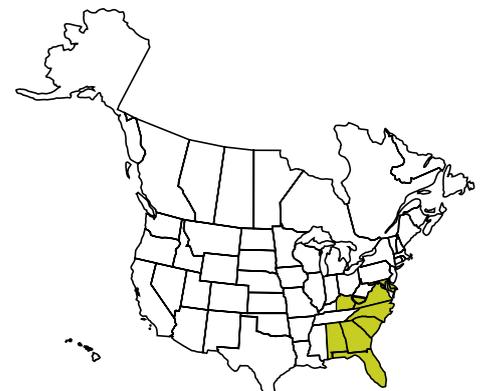
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Product Forms

Ball FloraPlant offers the most flexible options of any producer, including unrooted and Genesis™ cuttings, plus several liner choices and pre-finished material. The freshest cuttings and liners from the top regional supply network grow into the most fantastic plants.



UNROOTED CUTTINGS

- Wide range of products from a single supplier... “one-stop shopping”
- Lowest input cost
- Cuttings arrive in-line in perforated bags for easy handling
- Guaranteed freight rates

NOTE: Minimum order of 1,000 quantity for GE and SG cuttings

GENESIS™ DIRECT-STICK CUTTINGS

- Shorter crop time than URCs – cuts rooting time in half
- Reduces propagation time and eliminates transplanting labor
- Faster root development, improved branching, better-quality plants
- Requires less heat, so input costs are lower

AUTOSTIX™ STRIP CUTTINGS

- Same high-quality unrooted cuttings from Las Limas in a form for automated transplanting
- Comes in a biodegradable strip

MIXMASTERS™ MULTILINERS

- All components sourced from Las Limas
- Three single-stuck cuttings grow together into one healthy multiliner to produce perfectly balanced combos
- Offers 100% complete “recipes” with nothing missing
- Produces more predictable, programmable mixes

STANDARD ROOTED LINERS

- 100% transplantable yield means reduced shrink
- Widest range of products available
- Truck delivery from the Ball Regional Supplier Network assures economical, efficient shipping – see more on our rooting stations on page 5. FedEx delivery is also available.
- Many varieties are available in the Ball Spring Speculation program – fill your last-minute needs easily and affordably

HIGH-DENSITY LINERS

- 100% transplantable yield means reduced shrink
- Eliminates handling of unrooted cuttings
- Freight savings compared to standard liners
- Similar finish time as standard liners

QUICK TURN LINERS

- 4-week finish time on 4-in. (10-cm) pots and quarts for quick turns and added turns
- Saves energy
- Truck delivery from the Ball Regional Supplier Network assures economical, efficient shipping – see more on our rooting stations on page 5

PRE-FINISHED PLANTS

- Fast finish for quick turns and added turns
- Saves energy
- Reduces costs – no transplanting, materials or special handling required, and there is no need for specialized expertise or facility
- Truck delivery from the Ball Regional Supplier Network assures economical, efficient shipping – see more on our rooting stations on page 5

Propagation guide

CROP	TRAY SIZE(S) (CELLS/TRAY)	ROOTING HORMONE	AVERAGE DAYS WITH MIST	PINCH	AVERAGE PROPAGATION TIME (WEEKS)	COMMENTS
ALTERNANTHERA	50, 72, 84, 104, 209	No	6-8	Yes	3-4	Stick cuttings immediately upon arrival to avoid breakdown.
ANGELONIA	50, 72, 84, 105	No	7-9	Yes	3-4	Avoid stretch. Pinch 18-21 days after sticking.
ARGYRANTHEMUM	50, 72, 84, 105	No	4-7	No	3-4	Avoid water stress.
BACOPA (SUTERA)	50, 72, 84, 105	No	6-8	Yes	3	Stick 1 cutting per cell.
BIDENS	32, 50, 72, 84, 105	No	6-9	Yes	3-4	Reduce mist as soon as possible.
BRACHYSCOME	32, 50, 72, 84, 105	Yes	6-8	Yes	4-5	Avoid burying growing point. Reduce mist as soon as possible. Stick 2 cuttings per cell.
BRACTEANTHA	50, 72, 84, 105	No	6-9	No	3	Reduce mist as soon as possible.
CALIBRACHOA	50, 72, 84, 105	No	6-8	Yes	3-4	Avoid wide fluctuations in soil moisture. Apply preventative fungicide drench at 18-21 days after sticking.
COLEUS	50, 72, 84, 105	No	4-6	No	2-3	Avoid stretch. Transplant on time. A B-Nine spray (1,500-2,000 ppm) 10-12 days after stick can help to reduce stem elongation.
CUPHEA	50, 72, 84, 105	No	6-8	Yes	3-4	Stick 2 cuttings per cell for Allyson Heather.
DAHLIA	50, 72, 84, 105	Yes	7-10	Optional	3-4	Hormone will improve rooting. Night-break lighting (10 p.m. to 2 a.m.) will reduce likelihood of tuber formation.
DIASCIA	50, 72, 84, 105	No	6-9	Yes	3-4	Stick 2 cuttings per cell.
EUPHORBIA	50, 72, 84, 105	Optional	7-10	Yes	3-4	Ethylene sensitive – stick as soon as possible. Flower buds are common in propagation. Reduce mist as soon as possible.
EVOLVULUS	50, 72, 84, 105	Optional	6-10	Yes	3-4	Apply preventative fungicide spray after sticking. Reduce mist as soon as possible.
GAURA	32, 50, 72, 84, 105	No	6-9	Yes	4-9*	Pinch 14-21 days after sticking.
GERANIUM (IVY)	See Comments	Optional (increases uniformity/ speed of rooting)	9-13	No	4-5	Stick immediately upon arrival. Geraniums are best rooted in a media in strip form to allow for maximum air flow and avoid foliage overlap. Ivy geraniums require 25-30% less mist in propagation compared to zonals. Propagate under separate mist programs. Remove flower buds at transplanting.
GERANIUM (ZONAL)	See Comments	Optional (increases uniformity/ speed of rooting)	9-12	No	3-4	Stick immediately upon arrival. Geraniums are best rooted in media in strip form to allow for maximum airflow and avoid foliage overlap. After initial rehydration, careful misting is required to optimize callus and root initiation. Mature leaves should show slight wilting at midday and regain turgor in the late afternoon under ideal mist conditions. Leaf petiole wilting indicates undermisting. Overmisting leads to <i>Botrytis</i> . Remove flower buds at transplanting.
HELICHRYSUM	50, 72, 84, 105	Optional	7-10	Optional	3-4	Propagate in low-volume mist group. Avoid high feed on foliage. High humidity tents are effective. Pinch as needed to shape plants or hold crop.
HELIOTROPE	50, 72, 84, 105	Optional	6-9	No	3-4	Stick immediately upon arrival. Apply preventative fungicide spray after sticking. Reduce mist as soon as possible.
IMPATIENS (DOUBLE)	50, 72, 84, 105	No	5-8	No	2-3	Reduce mist as soon as possible to reduce stretch. Transplant on time.
IMPATIENS (EXOTIC)	50, 72, 84, 105	No	5-8	No	3	Avoid saturated media. Reduce mist as soon as possible. To reduce stretch, transplant on time.
IMPATIENS (INTERSPECIFIC)	50, 72, 84, 105	No	6-8	No	3	Reduce mist as soon as possible to reduce stretch. Transplant on time.
IMPATIENS (NEW GUINEA)	50, 72, 84, 105	No	7-8	No	3-4	Apply preventative fungicide spray after sticking. Reduce mist as soon as possible. Scout regularly for <i>Botrytis</i> .

CROP	TRAY SIZE(S) (CELLS/TRAY)	ROOTING HORMONE	AVERAGE DAYS WITH MIST	PINCH	AVERAGE PROPAGATION TIME (WEEKS)	COMMENTS
IPOMOEA	50, 72, 84, 105	No	3-4	Optional	3-4	Move rooted cuttings off mist quickly to avoid stretch. Ipomoea URC do not like to be stored, so stick immediately. Cooling cuttings can actually do damage, so it is recommended that if you do store cuttings, do not put them in a cooler and maintain temperatures at 55-60°F (13-16°C).
IRESENE	50, 72, 84, 105	No	4-7	No	3-4	Apply Bonzi spray 3-5 ppm on Blazin' Rose between Days 7-11 to control early stretch.
LAMIUM	32, 50, 72, 84, 105	No	6-9	Yes	3-4*	Reduce mist as soon as possible to reduce stretch. Transplant on time.
LANTANA	50, 72, 84, 105	Optional	7-11	Yes	4-5	Stick immediately upon arrival. Apply preventative fungicide spray after sticking.
LOBELIA	50, 72, 84, 105	Optional	6-9	Optional	4-5	Hormone will improve rooting. Pinch 18-21 days after sticking to improve branching.
LOBULARIA	50, 72, 84, 105	No	6-9	Yes	3-4	Apply preventative fungicide spray after sticking. Reduce mist as soon as possible.
LYSIMACHIA	32, 50, 72, 84, 105	No	6-9	Yes	3-4	Reduce mist as soon as possible to reduce stretch. Transplant on time.
MECARDONIA	105, 207	Yes	6-8	Yes	4	Rooting hormone is recommended but not required.
NEMESIA	50, 72, 84, 105	No	6-9	Yes	3-4	Stick 2 cuttings per cell.
OSTEOSPERMUM	32, 50, 72, 84, 105	Yes	9-12	Optional	3-4	Maintain uniformity in mist and soil temperature. Do not allow cuttings to wilt. Pinch to increase branching.
PERILLA	50, 72, 84, 105	No	4-7	No	2-3	Avoid stretch. Reduce mist as soon as possible to reduce stretch. Transplant on time.
PETCHOA	50, 72, 84, 105	No	6-8	Yes	3-4	Avoid wide fluctuations in soil moisture. Apply preventive fungicide drench at 18-21 days after sticking.
PETUNIA	50, 72, 84, 105	No	6-9	No	3-4	Avoid stretch by moving crop to cooler air temperature in second and third weeks of propagation. Transplant on time.
PLECTRANTHUS	50, 72, 84, 105	No	6-10	Optional	3-4	Apply preventative fungicide spray after sticking.
PURSLANE	50, 72, 84, 105	No	4-7	Yes	2-3	Pinch as needed to remove flower buds and improve habit.
SALVIA	32, 50, 72, 84, 105	No	5-8	Optional	3-6*	Apply B-Nine (2,500 ppm) spray in propagation once between Day 9 and 11. Reapply after transplant if growing under long days.
SCAEVOLA	50, 72, 84, 105	Optional	7-10	Yes	3-4	Reduce mist as soon as possible. Maintain warm soil temperature to optimize rooting.
STROBILANTHES	50, 72, 84, 105	No	7-12	Optional	4-5	Pinch 18-21 days after sticking to improve branching. Allow root system to develop sufficiently before transplanting.
THUNBERGIA	50, 72, 84, 105	No	7-12	Yes	4-5	Stick immediately upon arrival. Spray immediately after sticking with a surfactant such as CapSil to help rehydrate unrooted cuttings. Use night mist for 7-8 days as needed. Avoid wilt during first 24-48 hours.
VERBENA	50, 72, 84, 105	No	6-9	Yes	3-4	Reduce and then eliminate mist as soon as possible. Apply preventative fungicide spray after sticking.

*Average propagation time for perennials includes 3-5 weeks to bulk-up the liner before beginning cold treatment when started in late Summer or early Autumn.

Annual culture guide

CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES
ALTERNANTHERA	Red Threads	5.8-6.2	4,000-8,000	74-85°F (23-29°C)	62-70°F (16-21°C)	175-225	1
ANGELONIA	AngelMist®	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-70°F (16-21°C)	175-225	0-2
ANGELONIA	Archangel™	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-70°F (16-21°C)	175-225	0-2
ARGYRANTHEMUM	Madeira™	5.8-6.2	6,000-9,000	65-79°F (18-26°C)	50-61°F (10-16°C)	225-300	0-1
BACOPA	MegaCopa™	5.4-5.8	4,000-8,000	65-76°F (18-24°C)	56-61°F (13-16°C)	175-225	1-2
BIDENS	Bee Alive	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (11-16°C)	175-225	1-3
BIDENS	Bee Bold, Bee Happy	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (11-16°C)	175-225	1-2
BIDENS	Sun Drop Compact, Sunbeam	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (11-16°C)	175-225	1-3
BIDENS	Sun Drop™	5.8-6.2	5,000-9,000	59-76°F (14-24°C)	62-65°F (11-16°C)	175-225	1-3
BRACHYSCOME	Amethyst, Enduring Blue	5.8-6.2	5,000-9,000	65-73°F (18-22°C)	56-61°F (13-16°C)	175-225	0-1
BRACHYSCOME	Radiant Magenta	5.8-6.2	5,000-9,000	65-76°F (18-24°C)	62-67°F (16-19°C)	200-225	0-1
BRACTEANTHA	Dreamtime®	5.8-6.2	5,000-8,000	65-76°F (18-24°C)	56-61°F (13-16°C)	175-225	0-1

Crop Time from Rooted Cutting*

	4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
	1 ppp, 6-8 weeks	1-2 ppp, 8-10 weeks	3-5 ppp, 10-12 weeks	Generally not needed. B-Nine(S) 2,500 ppm.	Spider mites	None	Pinch for better branching and shape.
	1 ppp, 4-6 weeks	1-3 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	Generally not needed. B-Nine(S) 1,500-3,000 ppm and Cycocel 750-1,000 ppm tank mix(S). Avoid Florel use.	Whitefly, caterpillars	Root rot, <i>Botrytis</i>	High light will significantly improve plant quality by encouraging branching, earlier flowering and the ideal plant habit growth. Best-suited to mid to late Spring and Summer programs.
	1 ppp, 5-8 weeks	1-3 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	Generally not needed. B-Nine (S) 1,500-3,000 ppm and Cycocel 750-1,000 ppm tank mix (S). Avoid Florel use.	Whitefly, caterpillars	Root rot, <i>Botrytis</i>	High light will significantly improve plant quality by encouraging branching, earlier flowering and the ideal plant habit growth. Best suited to mid to late Spring and Summer programs.
	1 ppp, 6-9 weeks	1-3 ppp, 7-10 weeks	3-5 ppp, 9-12 weeks	B-Nine 1,500-2,000 ppm and Cycocel 750-1,000 ppm tank mix(S) or Bonzi(D) 2-5 ppm to control growth.	Whitefly, leafminers, aphids	Root rot, <i>Botrytis</i>	High light and cool temperatures produce high-quality plants.
	1-2 ppp, 5-7 weeks	2-3 ppp, 7-10 weeks	4-5 ppp, 8-12 weeks	Generally not needed. B-Nine spray 1,000-1,500 ppm can be used sparingly to tone and control spread. Florel spray 150-200 ppm will reduce early flowering and increase branching.	Thrips, aphids	Root rot, <i>Botrytis</i>	Pinch as needed to shape. Grow Bacopa bright and cool to maximize branching and encourage best possible habit. Test soil regularly for high pH/iron deficiency. Refer to the MegaCopa Series Bacopa Grower Facts at ballfloraplant.com for detailed culture information.
	1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 6-9 weeks	PGR is generally not needed, as the genetic is genetically compact. Bee Alive responds well to B-Nine applications at rates below 2,500 ppm.	Fungus gnats	Root and stem rot	Pinch for better branching and shape.
	1-2 ppp, 5-7 weeks	1-3 ppp, 6-8 weeks	4-5 ppp, 6-9 weeks	B-Nine(S) 2,500 ppm. Also responds to Sumagic(S) 3-5 ppm or Sumagic(D) 0.25 ppm.	Fungus gnats	Root and stem rot	Pinch for better branching and shape.
	1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 6-9 weeks	B-Nine(S) 2,500 ppm. Also responds to Sumagic(S) 3-5 ppm or Sumagic(D) 0.25 ppm.	Fungus gnats	Root and stem rot	Pinch for better branching and shape.
	1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 6-9 weeks	B-Nine(S) 2,500 ppm.	Fungus Gnats	Root and Stem Rot	Pinch for better branching and shape.
	1 ppp, 4-6 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 12-14 weeks	Generally not needed. Enduring Blue is more naturally compact than Amethyst.	Thrips, whitefly	<i>Botrytis</i> , <i>Thielaviopsis</i>	Cool temperatures and high light will produce the best habit. Amethyst is best-suited for larger finish containers (1 gallon and up), while Enduring Blue is compact and suitable for finish containers up to 1 gallon.
	1 ppp, 4-6 weeks	1-2 ppp, 6-8 weeks	4-5 ppp, 12-14 weeks	Generally not needed. Grow plants under high light with warm temperatures to achieve the best quality.	Thrips, whitefly	<i>Botrytis</i> , <i>Thielaviopsis</i>	Supplement fertilizers with extra Fe to avoid yellowing foliage. Avoid cold and wet conditions.
	1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	Generally not needed. Is responsive to Bonzi(S) 20-30 ppm or Sumagic(S) 10-20 ppm to maintain habit as needed.	Thrips, aphids, whitefly	Root and stem rot	High light and cool temperatures will improve plant quality significantly.

* ppp=plants per pot

** Perennial varieties that can be grown cold without treatment for Spring and Summer sales.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES
CALIBRACHOA	Cabaret®, Can-Can®	5.4-5.8	5,000-8,000	71-76°F (21-24°C)	50-58°F (10-14°C)	225-300	1-2
CALIBRACHOA	Conga™	5.4-5.8	5,000-8,000	71-76°F (21-24°C)	50-58° F (10-14° C)	225-300	1-2
COLEUS	Burgundy Wedding Train, Florida Sun Rose, Lava Rose, Pinkplosion	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-2
COLEUS	Campfire, Coleosaurus, Electric Lime®, Henna, Indian Summer, Mint Mocha, Redhead, Trusty Rusty, Vino, Wasabi	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-2
COLEUS	FlameThrower™	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-2
COLEUS	French Quarter, Inferno	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-2
COLEUS	Ruby Slipper, Special Effects	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-2
CUPHEA	Allyson Heather	5.4-5.8	6,000-12,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
CUPHEA	Firecracker	5.4-5.8	6,000-12,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
DAHLIA	Gardenetta™	5.8-6.2	4,000-6,000	65-76°F (18-24°C)	59-64°F (15-17°C)	225-300	1-2
DIASCIA	Juliet™	5.8-6.2	5,000-8,000	62-76°F (16-24°C)	35-52°F (1-11°C)	175-225	1-2

Crop Time from Rooted Cutting*

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 6-9 weeks	1-2 ppp, 7-11 weeks	3-5 ppp, 8-12 weeks	Use B-Nine(S) 2,500-5,000 ppm, Bonzi(D) 3-8 ppm or Florel(S) 300-500 ppm applied 1 time up to 3 times for large baskets to maintain habit as needed.	Thrips, aphids, leafminers	Root rot	Cooler air temperatures and high light will reduce or eliminate any need for plant growth regulators. Maintain pH at 5.2-5.8 to optimize plant health. Crop times will be shortest as days lengthen in Spring. Apply preventative broad-spectrum fungicide drench early (7-10 days after transplant). Avoid saturated media and excessive feed levels.
1 ppp, 5-8 weeks	1-3 ppp, 6-10 weeks	3-5 ppp, 8-12 weeks	Plant growth regulators are generally not needed and should only be applied if plants show signs of requiring extra control. B-Nine(S) 1,500-3,000 ppm applied 1 time up to 3 times should provide adequate control.	Thrips, aphids, leafminers	Root rot	Cooler air temperatures and high light will reduce or eliminate any need for plant growth regulators. Maintain pH at 5.2-5.8 to optimize plant health. Crop times will be shortest as days lengthen in Spring. Apply preventative broad-spectrum fungicide drench.
1 ppp, 5-7 weeks	1-2 ppp, 6-8 weeks	3-4 ppp, 8-11 weeks	Generally not needed. Sumagic(S) 5-10 ppm or a B-Nine 2,500-3,500 ppm and Cycocel 1,000-1,500 tank mix(S) can be used to maintain habit as needed.	Thrips, aphids, whitefly	Root rot	Lava Rose Coleus will generally not require any PGR applications during production. Plants should be pinched only as needed since Lava Rose is extremely free-branching.
1 ppp, 5-7 weeks	1-3 ppp, 6-8 weeks	4-5 ppp, 8-11 weeks	Is responsive to B-Nine(S) 2,500-3,500 ppm and Cycocel(S) 1,000-1,500 ppm tank mix or Sumagic(S) 5-10 ppm.	Whitefly, aphids, thrips	None	Pinch early to shape. Scout plants regularly for whitefly. Avoid crowding at all stages.
1 ppp, 5-7 weeks	1-2 ppp, 6-8 weeks	3-4 ppp, 8-11 weeks	Generally not needed. Sumagic(S) 5-10 ppm or a B-Nine 2,500-3,500 ppm and Cycocel 1,000-1,500 tank mix(S) can be used to maintain habit as needed.	Thrips, aphids, whitefly	Root rot	
1 ppp, 5-7 weeks	1-3 ppp, 6-8 weeks	4-5 ppp, 8-11 weeks	Is responsive to B-Nine(S) 2,500-3,500 ppm and Cycocel(S) 1,000-1,500 ppm tank mix or Sumagic(S) 5-10 ppm.	Whitefly, leafminer, aphids	None	Pinch early to shape. Scout plants regularly for whitefly. Avoid crowding at all stages.
1 ppp, 5-7 weeks	1-3 ppp, 6-8 weeks	4-5 ppp, 8-11 weeks	Is responsive to B-Nine(S) 2,500-3,500 ppm and Cycocel(S) 1,000-1,500 ppm tank mix or Sumagic(S) 5-10 ppm.	Thrips, aphids, whitefly	None	Pinch early to shape. Scout plants regularly for whitefly. Avoid crowding at all stages.
1-3 ppp, 6-8 weeks	2-5 ppp, 7-9 weeks	3-6 ppp, 10-12 weeks	None	Whitefly, aphids	Botrytis, Root rot	Pinch as needed to shape. Fertilize regularly. Crop times will be shortest under high light.
1-2 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	None	Whitefly, aphids	Botrytis, Oedema, Root rot	Pinch as needed to shape. Keep soil moderately dry and maintain adequate air circulation during finishing to avoid Oedema. Fertilize regularly. Crop times will be shortest under high light.
1 ppp, 6-8 weeks	1 ppp, 7-9 weeks	3 ppp, 10-12 weeks	Use B-Nine(S) 2,500-4,000 ppm and Cycocel(S) 1,000-1,500 ppm tank mix.	Thrips, leafminers, whitefly	Botrytis	Night-break lighting will reduce likelihood of tuber formation.
1 ppp, 5-7 weeks	1-2 ppp, 7-9 weeks	3-4 ppp, 9-11 weeks	Use B-Nine(S) 3,000-5,000 ppm as needed to maintain habit. Florel(S) 200-300 ppm can be used to improve branching.	Thrips, aphids, leafminers	Root rot	If grown cool and with high light levels, Juliet diascia will generally require little, if any, PGRs.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES
EUPHORBIA	Breathless®	5.8-6.2	6,000-9,000	65-76°F (18-24°C)	59-67°F (15-19°C)	175-225	1
EVOLVULUS	Blue Daze	5.8-6.2	5,000-9,000	74-79°F (23-26°C)	59-64°F (15-17°C)	175-225	1-2
GAURA	Belleza®	5.8-6.2	5,000-9,000	71-76°F (21-24°C)	56-61°F (13-16°C)	175-225	1-2
GERANIUM (IVY)	Focus™	5.8-6.2	2,500-4,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	1-2
GERANIUM (IVY)	Precision™	5.8-6.2	2,500-4,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	1-2
GERANIUM (ZONAL)	Dynamo™, Allure™	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	0
GERANIUM (ZONAL)	Fantasia®	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	0
GERANIUM (ZONAL)	Presto™	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	0
HELICHRYSUM	Licorice	5.8-6.2	4,000-9,000	65-76°F (18-24°C)	50-61°F (10-16°C)	175-225	1-2
HELIOTROPE	Marine	5.8-6.2	5,000-9,000	71-76°F (21-24°C)	50-61°F (10-16°C)	175-225	1-2
IMPATIENS (DOUBLE)	Fiesta Bonita™	5.8-6.2	4,000-6,000	68-76°F (20-24°C)	56-61°F (13-16°C)	175-225	0-1
IMPATIENS (DOUBLE)	Fiesta™	5.8-6.2	4,000-6,000	68-76°F (20-24°C)	56-61°F (13-16°C)	175-225	0-1

Crop Time from Rooted Cutting*

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 5-7 weeks	1-3 ppp, 6-9 weeks	3-5 ppp, 9-11 weeks	B-Nine(S) 2,500 ppm, Cycocel(S) 750 ppm tank mix 7-10 days after transplant. Do not use Florel.	None	None	Sensitive to overwatering. Pinch for a better habit, especially in larger containers.
1 ppp, 6-8 weeks	1-2 ppp, 8-9 weeks	3-4 ppp, 10-12 weeks	None	Whitefly, aphids	Pythium, Botrytis	Pinch as needed to shape. Fertilize regularly. Avoid extremely high humidity or saturated media, both of which will encourage <i>Botrytis</i> .
1 ppp, 7-10 weeks	1-3 ppp, 9-12 weeks	3-4 ppp, 11-13 weeks	Use B-Nine(S) 3,000-4,000 ppm, Bonzi(S) 30-50 ppm or Sumagic(S) 15-30 ppm to control final plant height.	Whitefly, aphids	Botrytis, Root rot	Pinch Gaura shortly after transplanting to encourage a full habit at flowering.
1 ppp, 8-10 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,500 ppm to control growth; Florel (S) 200-300 ppm to improve branching. PGR generally not needed for basket production.	Fungus gnats, thrips, aphids, mites	Botrytis, Oedema, Pythium, Xanthomonas	Avoid drastic swings in soil moisture to reduce <i>Oedema</i> .
1 ppp, 8-10 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,500 ppm to control growth; Florel(S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Oedema, Pythium, Xanthomonas	Avoid drastic swings in soil moisture to reduce <i>Oedema</i> .
1 ppp, 8-9 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,000 ppm to control growth; Florel (S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Pythium, Xanthomonas	Keep foliage dry. Provide good air circulation.
1 ppp, 8-9 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,000 ppm to control growth; Florel(S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Pythium, Xanthomonas	Day and night temperatures of 71 to 76°F (21 to 24°C) are ideal for the earliest stages of plant development. Fantasia Geraniums usually do not require PGRs to produce high- quality plants. Refer to the Fantasia Zonal Geranium Grower Facts at ballfloraplant.com for detailed culture information.
1 ppp, 8-9 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Generally not needed. Cycocel(S) 750-1,000 ppm to control growth; Florel(S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Pythium, Xanthomonas	Presto Geraniums usually do not require PGRs to produce high-quality plants. They are naturally compact, well-branched and early to flower.
1 ppp, 5-7 weeks	2-3 ppp, 7-9 weeks	3-5 ppp, 9-11 weeks	None	Fungus gnats, whitefly	Root rot	Avoid saturated media at any time. Pinch regularly to shape.
1 ppp, 6-7 weeks	1-2 ppp, 8-9 weeks	3-5 ppp, 10-12 weeks	Use B-Nine 1,500-3,000 ppm and Cycocel 750-1,000 ppm tank mix(S).	Whitefly, mites, aphids	Root rot	Cool temperatures and high light will reduce or eliminate any need for plant growth regulators.
1 ppp, 5-7 weeks	1-2 ppp, 6-8 weeks	4-5 ppp, 9-12 weeks	Bonzi(S) 5-10 ppm can be used to control habit early; Bonzi(D) 0.5-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. Florel(S) 100-200 ppm can be used to improve branching but will usually not be needed.	Leafminers, thrips	Impatiens Necrotic Spot Virus, Botrytis, Pythium	Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR applications to achieve ideal finished plants. Fiesta Bonita Double Impatiens require less PGRs than Fiesta Double Impatiens.
1 ppp, 6-9 weeks	1-2 ppp, 7-9 weeks	4-5 ppp, 10-12 weeks	Bonzi(S) 5-15 ppm can be used to control habit early; Bonzi(D) 0.5-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. Florel(S) 100-200 ppm can be used to improve branching but will usually not be needed.	Leafminers, thrips	Impatiens Necrotic Spot Virus, Botrytis, Pythium	Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR applications to achieve ideal finished plants.

* ppp=plants per pot

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES
IMPATIENS (EXOTIC)	Fusion™, Patchwork™	5.8-6.2	4,000-6,000	68-76°F (20-24°C)	56-61°F (13-16°C)	175-225	0-1
IMPATIENS (INTERSPECIFIC)	SunPatiens® Compact, SunPatiens® Vigorous	5.8-6.2	4,000-9,000	68-79°F (20-26°C)	59-64°F (15-17°C)	75-150	0
IMPATIENS (NEW GUINEA)	Celebration	5.8-6.2	4,000-7,000	68-76°F (20-24°C)	59-64°F (15-17°C)	175-225	0
IMPATIENS (NEW GUINEA)	Clockwork™	5.8-6.2	4,000-7,000	68-76°F (20-24°C)	59-64°F (15-17°C)	175-225	0
IPOMOEA	SolarPower™, Spotlight™	5.8-6.2	6,000-10,000	70-75°F (21-24°C)	65-70°F (18-21°C)	175-225	0-1
IPOMOEA	SolarTower™	5.8-6.2	6,000-10,000	70-75°F (21-24°C)	65-70°F (18-21°C)	175-225	0-1
IRESINE	Blazin' Lime, Blazin' Rose	5.8-6.2	4,000-7,000	71-79°F (21-26°C)	62-67°F (16-19°C)	175-225	1-2
LAMIUM	Anne Greenaway, Beacon Silver, Jade Frost, White Nancy	5.8-6.2	4,000-8,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
LANTANA	Bloomify™	5.8-6.2	5,000-10,000	74-85°F (23-29°C)	62-67°F (16-19°C)	225-300	1-3
LANTANA	Dallas Red, Little Lucky™, New Gold, Purple Trailing	5.8-6.2	5,000-10,000	74-85°F (23-29°C)	62-67°F (16-19°C)	225-300	1-3

Crop Time from Rooted Cutting*

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	Bonzi(S) 5-15 ppm is effective for height control. Florel(S) 100-300 ppm can be used to improve branching but will not usually be needed.	Aphids, thrips	Impatiens Necrotic Spot Virus, <i>Botrytis</i> , <i>Pythium</i>	Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR application to achieve ideal finished plants. A light Bonzi drench when plant is three-quarters of finish size will promote flowering above the foliage.
1 ppp, 5-7 weeks	1 ppp, 7-9 weeks	3 ppp, 9-12 weeks	B-Nine/Bonzi (S) 1,000 ppm; B-Nine/2 ppm Bonzi (low rate) for Compact series.	Thrips, aphids, mites	Impatiens Necrotic Spot Virus, <i>Botrytis</i> , <i>Pythium</i>	Dry culture, low to moderate nutrition, and cool temperatures will promote toned plants.
1 ppp, 7-9 weeks	1-2 ppp, 9-10 weeks	3-5 ppp, 10-13 weeks	Bonzi(S) 2-15 ppm can be used to control habit early; Bonzi(D) 0.25-2.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. Florel(S) 100-200 ppm can be used to improve branching but will usually not be needed.	Thrips, aphids, mites	Impatiens Necrotic Spot Virus, <i>Botrytis</i> , <i>Pythium</i>	Maintain 68°F (20°C) average daily temperature to optimize bloom size and reduce time to flower. Cooler temperatures will extend crop time. Grow crop somewhat dry to help control growth and hasten flowering. Avoid excess micro-nutrients in the soil. With good cultural practices and environmental conditions, no PGRs will be needed.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	4-5 ppp, 8-11 weeks	Bonzi(S) 2-10 ppm can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. Florel(S) 100-200 ppm can be used to improve branching but will usually not be needed.	Thrips, aphids, mites	Impatiens Necrotic Spot Virus, <i>Botrytis</i> , <i>Pythium</i>	Maintain 68°F (20°C) average daily temperature to optimize bloom size and reduce time to flower. Cooler temperatures will extend crop time. Grow crop somewhat dry to help control growth and hasten flowering. Avoid excess micro-nutrients in the soil. With good cultural practices and environmental conditions, no PGRs will be needed.
1 ppp, 4-5 weeks	1-3 ppp, 5-6 weeks	3-5 ppp, 8-10 weeks	Generally not required. B-Nine(S) 2,500-3,500 ppm can be effective at controlling growth.	Aphids, whitefly, spider mites	<i>Pseudomonas</i>	Avoid cold and wet conditions.
1 ppp, 4-5 weeks	1-3 ppp, 5-6 weeks	3-5 ppp, 8-10 weeks	Generally not required. B-Nine(S) 2,500-3,500 ppm can be effective at controlling growth.	Aphids, whitefly, spider mites	<i>Pseudomonas</i>	Avoid cold and wet conditions. In order for the product to climb pots, it needs to have a stake or trellis included.
1 ppp, 7-9 weeks	2-3 ppp, 8-10 weeks	4-5 ppp, 10-13 weeks	Generally not needed. Responsive to Bonzi.	Whitefly	None	Pinch regularly to encourage branching and improve habit.
1 ppp, 4-5 weeks	2-3 ppp, 5-8 weeks	3-5 ppp, 8-10 weeks	Generally not needed. Soil moisture and cool temperatures are the most effective way to control growth.	Aphids, whitefly	Root and stem rot	Pinch plants to encourage branching and improve habit.
1-2 ppp, 7-8 weeks	1-3 ppp, 8-9 weeks	3-6 ppp, 11-13 weeks	Lantana is responsive to a B-Nine 2,500-5,000 ppm and Cycocel 1,000-1,500 ppm tank mix(S) as well as Florel(S) 300-400 ppm, Bonzi(S) 20-40 ppm and Sumagic(S) 10-20 ppm.	Whitefly, leafminers, aphids	Root rot	Allow plants to dry regularly between waterings. Pinch as needed to shape. Feeding at recommended levels will promote vigorous plants that will continue to actively grow and flower.
1-2 ppp, 6-7 weeks	1-3 ppp, 7-8 weeks	3-6 ppp, 10-12 weeks	Lantana is responsive to a B-Nine 2,500-5,000 ppm and Cycocel 1,000-1,500 ppm tank mix(S) as well as Florel(S) 300-400 ppm, Bonzi(S) 20-40 ppm and Sumagic(S) 10-20 ppm. Little Lucky should not need growth regulators due to its naturally compact habit.	Whitefly, leafminer, aphids	Root rot	Allow plants to dry regularly between waterings. Pinch as needed to shape. Feeding at recommended levels will promote vigorous plants that will continue to actively grow and flower.

* ppp=plants per pot

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LANTANA	Landmark™, Lucky™	5.8-6.2	5,000-10,000	74-85°F (23-29°C)	62-67°F (16-19°C)	225-300	1-3
LOBELIA	Early Springs™	5.8-6.2	5,000-8,000	71-76°F (21-24°C)	56-61°F (13-16°C)	175-225	1-2
LOBELIA	Waterfall™	5.8-6.2	5,000-8,000	71-76°F (21-24°C)	56-61°F (13-16°C)	175-225	1-2
LOBULARIA	Easy Breezy™	5.8-6.2	4,000-8,000	65-75°F (18-24°C)	56-61°F (13-16°C)	175-225	1-2
LYSIMACHIA**	Goldilocks	5.8-6.2	4,000-8,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
MECARDONIA	Little Sunshine	5.5-6.0	3,500-6,000	68-77°F (20-25°C)	68°F (20°C)	150-200	2 for pot sizes over 6 in. (15 cm)
NEMESIA	Aromatica™	5.8-6.2	4,000-7,000	65-76°F (18-24°C)	35-52°F (1-11°C)	175-225	1-2
OSTEOSPERMUM	Blue Eyed Beauty, Blushing Beauty, Serenity™	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	44-55°F (6-12°C)	225-300	1
OSTEOSPERMUM	Voltage™ White, Voltage™ Yellow	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	44-55°F (6-12°C)	225-300	0-1
PERILLA	Magilla® Purple	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-1
PETCHOA	SuperCal®, SuperCal® Premium	5.4-5.9	5,000-8,000	60-70°F (16-21°C)	50-58°F (10-14°C)	200-250	1 or 2

Crop Time from Rooted Cutting*

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1-2 ppp, 6-7 weeks	1-3 ppp, 7-8 weeks	3-6 ppp, 10-12 weeks	Lantana is responsive to a B-Nine 2,500-5,000 ppm and Cycocel 1,000-1,500 ppm tank mix(S) as well as Florel(S) 300-400 ppm, Bonzi(S) 20-40 ppm and Sumagic(S) 10-20 ppm.	Whitefly, leafminers, aphids	Root rot	Allow plants to dry regularly between waterings. Pinch as needed to shape. Feeding at recommended levels will promote vigorous plants that will continue to actively grow and flower. Lucky varieties are naturally compact and free-branching, while Landmark varieties are more vigorous.
1 ppp, 7-9 weeks	1 ppp, 9-11 weeks	4-5 ppp, 10-12 weeks	Generally not needed.	Aphids, thrips	<i>Botrytis</i>	Transplant 24-28 days after stick, and optional pinch again 10-14 days after transplant. 4-in. (10-cm) size may skip second pinch. Keep on dry side.
1 ppp, 9-10 weeks	2-3 ppp, 10-11 weeks	4-5 ppp, 10-13 weeks	Generally not needed.	Thrips	<i>Botrytis</i>	Blue has a mounded, trailing habit, while Lavender has a trailing habit. Ideal for Spring and Summer throughout North America. Will flower in Autumn, Winter and early Spring in the Sunbelt.
1 ppp, 4-5 weeks	1-2 ppp, 5-7 weeks	3-5 ppp, 6-8 weeks	Generally not needed. Grow plants under high light and use negative differential of temperature to tone plant habits.	Fungus gnats, Whitefly	Root and stem rot	High light and cool temperatures produce high-quality plants.
1 ppp, 4-5 weeks	2-3 ppp, 5-8 weeks	3-5 ppp, 8-10 weeks	Generally not needed. Pinching is best for shaping the plant.	None	None	Goldilocks Lysimachia is grown primarily for its foliage.
1 ppp, 6-8 weeks	2-3 ppp, 6-8 weeks	5-6 ppp, 10-12 weeks	Plant Growth Regulators not needed when grown in high light.	Aphids, fungus gnats, slugs/snails	<i>Botrytis</i> , root and stem rot	Mecardonia is heat and drought tolerant in the landscape. Generally, finished production pots can be produced with little to no maintenance required.
1 ppp, 5-7 weeks	2-3 ppp, 7-9 weeks	3-4 ppp, 9-11 weeks	Grow cool and bright to improve habit. Nemesia is responsive to B-Nine(S) 2,500-4,000 ppm, Sumagic(S) 20-30 ppm, and Florel(S) 200-300 ppm.	Thrips, aphids, leafminer	Root rot	If grown cool and with high light levels, Aromatica will generally require little, if any, PGRs. Avoid water-logged media.
1 ppp, 10-13 weeks	2-3 ppp, 11-14 weeks	3-4 ppp, 11-15 weeks	Is responsive to B-Nine(S) 2,500-4,000 ppm alone or as a tank mix(S) with Cycocel 750-1,000 ppm. Bonzi(S) 15-30 ppm is also effective.	Aphids, whitefly, thrips	Root and stem rot, <i>Botrytis</i>	After transplanting, allow plants to become established for 1-2 weeks at 60-65°F (15-18°C). Once plants are well established, begin growing at recommended cool temperatures. After 4-6 weeks of cool conditions, plants can be forced in 6-8 weeks.
1 ppp, 8-11 weeks	1-2 ppp, 8-11 weeks	3-5 ppp, 8-11 weeks	Is responsive to B-Nine(S) 2,500-4,000 ppm alone or as a tank mix(S) with Cycocel 750-1,000 ppm. Bonzi(S) 15-30 ppm is also effective.	Aphids, whitefly, thrips	Root and stem rot, <i>Botrytis</i>	After transplanting, allow plants to become established for 1-2 weeks at 60-65°F (15-18°C). Once plants are well established, begin growing at recommended cool temperatures. Pinch optional. After 4-6 weeks of cool conditions, plants can be forced in 6-8 weeks.
1 ppp, 5-7 weeks	1-2 ppp, 6-8 weeks	3-4 ppp, 8-11 weeks	B-Nine(S) 2,000-4,000 ppm, applied 1-3 times, can be used to control habit.	Thrips, aphids, whitefly	Root rot	Plants should be pinched as needed to control habit. Crop times will be shorter under long days or warmer temperatures.
1 ppp, 6-8 weeks	1-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	Foliar sprays of A-Rest 10-30 ppm or sprays of B-Nine/Bonzi tank mix, B-Nine 2,500-5,000 ppm/Bonzi 10-30 ppm. Drench of A-Rest 1-3 ppm, or drench of Bonzi 1-4 ppm.	Whitefly, thrips, leafminers, aphids, mites	<i>Botrytis</i> , Crown rot, Tobacco Mosaic Virus	Cool temperatures and high light reduce need for PGR. SuperCal Blue, Purple and Terracotta are high vigor. Artist Rose, Blushing Pink, Cherry, Neon Rose, Pink Ice and Violet are medium vigor.

* ppp=plants per pot

** Perennial varieties that can be grown cold without treatment for Spring and Summer sales.

Annual culture guide

CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES
PETUNIA	Black Magic	5.4-5.9	5,000-8,000	65-76°F (18-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	Cascadias™ Indian Summer	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	Cha-Ching Cherry	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	ColorBlitz™, Jelly Roll	5.4-5.8	5,000-8,000	59-76°F (15-24° C)	53-61°F (11-16° C)	225-300	0-1
PETUNIA	ColorRush™	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	Lime Light	5.8-6.2	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	Phantom, Pinstripe, Sun Spun®	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	Ragtime	5.8-6.2	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	Rhythm And Blues	5.8-6.2	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1

Crop Time from Rooted Cutting*

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 8-11 weeks	B-Nine (S) 1,000-2,000 ppm, applied 2-4 times, can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminer	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor pH regularly for high pH and possible iron deficiency.
1 ppp, 6-8 weeks	2-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	B-Nine (S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminer	<i>Botrytis</i> , Root Rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. First blooms in low light/short day will have less star; as crop matures, color pattern intensifies.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce need for PGRs. Monitor regularly for high pH and possible iron deficiency.
1 ppp, 6-8 weeks	1 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	Generally not needed.	Whitefly, thrips, leafminer	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	This variety is extremely sensitive to growth regulators, and is naturally well-branched and compact.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. B-Nine applications late in the crop time can cause instability in flower color.	Whitefly, thrips, leafminer	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 6-8 weeks	1-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	Early applications of growth regulators are required. B-Nine 1,500-2,000 ppm/ Cycocel 750-1,000 ppm spray, Bonzi 2-3 ppm drench. Apply 2-3 times early in the crop cycle.	Whitefly, thrips, leafminers	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	This is a vigorous variety that branches well. Early growth regulator applications help with tone and branching.
1 ppp, 6-8 weeks	1-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	Early applications of growth regulators are required. B-Nine 1,500-2,000 ppm/ Cycocel 750-1,000 ppm spray, Bonzi 2-3 ppm drench. Apply 2-3 times early in the crop cycle.	Whitefly, thrips, leafminer	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	This is a vigorous variety that branches well. Early growth regulator applications help with tone and branching.

* ppp=plants per pot

** Perennial varieties that can be grown cold without treatment for Spring and Summer sales.

Annual culture guide

CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES
PETUNIA (SPREADING DOUBLE)	Double Wave®	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PLECTRANTHUS	Mona Lavender	5.8-6.2	4,000-7,000	74-79°F (23-26°C)	59-64°F (15-17°C)	175-225	0-1
PLECTRANTHUS	Nico, Nicolleta, Variegata	5.8-6.2	5,000-8,000	71-79°F (21-26°C)	56-61°F (13-16°C)	175-225	1-2
PURSLANE	Fairytales Cinderella, Rio Grande™	5.8-6.2	5,000-10,000	71-79°F (21-26°C)	62-67°F (16-19°C)	225-300	1-2
SALVIA	Black & Bloom, Black & Blue	5.4-5.8	6,000-9,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
SALVIA	Mystic Spires, Mysty	5.8-6.2	6,000-10,000	71-79°F (21-26°C)	62-67°F (16-19°C)	175-225	1-2
SCAEVOLA	Blue Fan, Bondi™, Brilliant, White Sparkle	5.8-6.2	5,000-9,000	74-79°F (23-26°C)	59-64°F (15-17°C)	175-225	1-2
STROBILANTHES	Persian Shield	5.8-6.2	3,000-6,000	74-79°F (23-26°C)	59-64°F (15-17°C)	175-225	1-3
THUNBERGIA	Sunny™	5.8-6.2	5,000-8,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-3
VERBENA	Cadet Upright™	5.8-6.2	5,000-8,000	71-79°F (21-26°C)	62-64°F (16-17°C)	225-300	1-2
VERBENA	EnduraScape™, Firehouse™	5.8-6.2	5,000-8,000	71-79°F (21-26°C)	62-64°F (16-17°C)	225-300	1-2

Crop Time from Rooted Cutting*

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 6-8 weeks	2-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminer	<i>Botrytis</i> , Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor pH regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine 1,500-2,500 ppm and Cycocel 750-1,000 ppm tank mix(S) or Bonzi(S) 5-20 ppm applied as needed is effective.	Whitefly, worms	Root rot	Mona Lavender requires a short-day treatment to flower. Natural-day crops can be finished in southern climates for January to March sales. Spring, Summer and Fall crops can be achieved using black cloth/short days in all regions.
1 ppp, 6-8 weeks	1-3 ppp, 7-10 weeks	3-5 ppp, 9-12 weeks	Generally not needed.	Whitefly	<i>Botrytis</i> , <i>Pythium</i> , <i>Rhizoctonia</i>	Regularly allow the media to dry between waterings. Pinch regularly to improve habit.
1-2 ppp, 5-6 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 9-12 weeks	Generally not needed.	Whitefly	Root rot	Regularly allow the media to dry moderately between waterings, especially in cool periods. Regular pinching and constant feeding will improve habit and flowering.
1 ppp, 7-9 weeks	1-2 ppp, 8-10 weeks	2-3 ppp, 10-12 weeks	A B-Nine 2,000-3,500 ppm and Cycocel 1,000-1,500 ppm tank mix(S) will help control height.	Whitefly, fungus gnats, thrips	<i>Botrytis</i> , <i>Pythium</i> , <i>Rhizoctonia</i>	Regularly allow the media to dry between waterings, particularly during cool periods. Black & Blue Salvia prefers warm conditions to ensure early flowering.
1 ppp, 4-8 weeks	2-3 ppp, 6-10 weeks	4-5 ppp, 8-12 weeks	Responsive to B-Nine 2,500-3,000 ppm. Increase rates as days lengthen in late Spring and Summer.	Whitefly	None	Regularly allow the media to dry moderately between waterings, especially in cool periods. Proper pinching and moderate feeding will improve habit and flowering.
1 ppp, 5-7 weeks	1-2 ppp, 7-8 weeks	3-5 ppp, 10-12 weeks	Generally not needed. Bonzi(D) 1-3 ppm or Bonzi(S) 20-40 ppm will control growth.	Whitefly	<i>Pythium</i> , <i>Rhizoctonia</i>	Scaevola prefers a well-drained soil. Allow the media to dry between waterings. Night temperatures lower than recommended will significantly slow the crop and lead to problems with root rot.
—	1-2 ppp, 8-10 weeks	3-5 ppp, 10-13 weeks	Generally not needed.	Whitefly	Root rot	Moderate light levels produce more colorful foliage. Pinch early to shape. Feed regularly to maintain growth.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	4-5 ppp, 10-12 weeks	Generally not needed.	Mites, whitefly, thrips	<i>Botrytis</i>	Thunbergia is a warm-season crop that prefers night temperatures above 60°F (15°C). Pinch regularly to shape.
1 ppp, 5-7 weeks	1-3 ppp, 7-8 weeks	4-5 ppp, 10-13 weeks	Generally not needed. Bonzi(D) at 1-3 ppm two to four weeks after transplant will tone finished growth when grown warm in the greenhouse. Cool night temperature during production cycle promotes tight habits.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between irrigation.
1 ppp, 5-7 weeks	1-3 ppp, 7-8 weeks	4-5 ppp, 10-13 weeks	Responsive to a B-Nine 2,500-3,500 ppm/Cycocel 750-1,000 ppm tank mix(S) and Flore(S) 250-300 ppm to control growth and improve plant habit.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between waterings. Pinch as needed to shape. EnduraScape varieties may require more PGR use under normal conditions.

* ppp=plants per pot

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POLICIES AND LICENSING

Ball Horticultural Company Tag and Photography Policy

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- Full commercial name to include trademark, as applicable; and full variety name.
- U.S. Plant Patent number or PPAF (Plant Patent Applied For), as applicable; and/or U.S. Utility Patent number or PAF (Utility Patent Applied For), as applicable.
- "Propagation Prohibited", as applicable.

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No cancellations or order reductions based on the schedule below. Exceptions to this policy will be reviewed on a case-by-case basis.

No cancellations within:

- 2 weeks of ship date for unrooted cuttings
 - 4 weeks of ship date for Genesis cuttings
- New/add-on orders:** As always, new orders and order additions of unrooted cuttings are still possible within 2 weeks of ship date.

BFP Production: Floricultura, Guatemala; Las Limas, Nicaragua; Banner Greenhouse, NC, U.S.; Van Wingerden International, Inc., NC, U.S.

Important Plant Protection and Licensing Information

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Licensing

Flowering Only License terms and conditions apply to the Ball FloraPlant varieties listed herein. By opening the box containing unrooted or rooted cuttings of these Ball FloraPlant varieties, customers agree to these terms and conditions. A copy of the Flowering Only License is available on our website. From the main page of the Ball FloraPlant website, click on the Propagation and Licensing link at the bottom of the page or enter the following web address into your browser: www.ballfloraplant.com/BFP/_Propagation.aspx.

A copy can also be obtained from Royalty Administration International® (RAI) by calling (800) 472-4724. RAI is our U.S. licensing agent.

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Please see opposite page for more information.

Flowering-Only Terms

- Allows for the growing and selling of "Finished Plants," defined as plants grown for at least five weeks in a 3-in. (7.5-cm) size pot/container or larger for at least four (4) weeks from planting of a rooted cutting, and seven (7) weeks from planting of an unrooted cutting.
- All finished product must be sold with a Ball supplied or approved label or tag.
- Sale of rooted or unrooted cuttings to any other company or individual is strictly prohibited as is propagation and/or the taking of tip cuttings.

Flowering-Only Licensed Varieties

Commercial Name	Variety Name
Angelonia	
AngelMist® Spreading Berry Sparkler	Balangspery
AngelMist® Spreading Bluebird	Balangspird
AngelMist® Spreading Dark Purple	Balangsparkl
AngelMist® Spreading Pink	Balangbakin
AngelMist® Spreading White	Balangspri
Archangel™ Blue Bicolor	Balarclubi
Archangel™ Cherry Red	Balarcker
Archangel™ Dark Purple	Balarckle
Archangel™ Dark Rose	Balarcrose
Archangel™ Pink	Balarcorpri
Archangel™ Purple	Balarcpur
Archangel™ Raspberry	Balarcaspim
Archangel™ White	Balarowite
Argyranthemum	
Madeira™ Crested Hot Pink	Bonmad 11277
Madeira™ Crested Merlot	Bonmadmerlo
Madeira™ Crested Yellow	Bonmadcrol
Madeira™ Deep Pink	Bonmadrosepi
Madeira™ Primrose	Bonmadprose
Madeira™ Red	Bonmadre
Madeira™ White	Bonmadwitim
Bacopa/Sutera	
MegaCopa™ Blue	Balmecobl
MegaCopa™ Pink	Balmecopin
MegaCopa™ Sky Blue	Balmecoskl
MegaCopa™ Versa White	Balmecoversi
MegaCopa™ White	Balmecowite

Bidens

Bee Alive
Bee Bold
Bee Happy
Sunbeam
Sun Drop Compact
Sun Drop

Brachyscome

Enduring Blue
Radiant Magenta

Bracteantha

Dreamtime® Jumbo Pure White
Dreamtime® Jumbo Red
Dreamtime® Jumbo Rose
Dreamtime® Jumbo Yellow

Calibrachoa

Cabaret® Bright Red
Cabaret® Coral Kiss
Cabaret® Deep Blue
Cabaret® Deep Yellow
Cabaret® Golden Yellow
Cabaret® Hot Pink
Cabaret® Lavender
Cabaret® Lemon Yellow
Cabaret® Light Pink
Cabaret® Little Pink Kiss
Cabaret® Midnight Blue
Cabaret® Neon Rose
Cabaret® Orange
Cabaret® Pink
Cabaret® Pink Star
Cabaret® Purple
Cabaret® Purple Heart
Cabaret® Rose
Cabaret® Rose Kiss
Cabaret® Sky Blue
Cabaret® White
Can-Can® Bumble Bee Pink
Can-Can® Dark Purple
Can-Can® Hot Pink Star
Can-Can® Magenta Kiss
Can-Can® Orange
Can-Can® Terracotta
Conga™ Coral Kiss
Conga™ Dark Blue
Conga™ Deep Yellow
Conga™ Lavender
Conga™ Orange Kiss
Conga™ Pink
Conga™ Red
Conga™ Rose
Conga™ Rose Kiss
Conga™ Sun Kiss
Conga™ Sunset Kiss
Conga™ White

Coleus

Burgundy Wedding Train
Campfire
Coleosaurus
Electric Lime®
FlameThrower™ Chili Pepper
FlameThrower™ Chipotle
FlameThrower™ Habanero
FlameThrower™ Salsa Roja
FlameThrower™ Salsa Verde
FlameThrower™ Serrano
FlameThrower™ Spiced Curry
French Quarter
Henna
Indian Summer
Inferno
Lava Rose
Mint Mocha
Pinkplosion
Redhead
Ruby Slipper
Special Effects
Trusty Rusty
Vino
Wasabi

Cuphea

Firecracker

Bee Alive
Bee Bold
Bee Happy
KLEBF07003
Balbisopac
Balbisopim

Enduring Blue
Cherish

Bondrepuho
Bondre 11100
Bondre 1051
Ohb003790

Balcalbrite
Balcalboriss
Balcalbdebu
Balcalbdelpy
Balcalboldel
Balcalbhopi
Balcalblavim
Balcalblemy
Balcalblinkim
Balcalblipisk
Balcalbightlu
Balcalbearno
Balcalborg
Balcabini
Balcabinsta
Balcabpurim
Balcabart
Balcalbrosim
Balcalboski
Balabasklu
Balcabwhite
Balcanumbi
Balcanark
Balcanosar
Balcanmiss
Balcanoran
Balcantera
Balcongorris
Balcongaryl
Balcongdel
Balcongylav
Balcongrraniss
Balcongoink
Balcalbscarim
Balcongossis
Balcongrrissim
Balcongouniss
Balcongetiss
Balcongite

Balcanumbi
Balcanark
Balcanosar
Balcanmiss
Balcanoran
Balcantera
Balcongorris
Balcongaryl
Balcongdel
Balcongylav
Balcongrraniss
Balcongoink
Balcalbscarim
Balcongossis
Balcongrrissim
Balcongouniss
Balcongetiss
Balcongite

Kakegawa CE10
UF12221
UF104512
UF04335
UF81910
UF12823
UF9837
UF159709
UF14241
UF150628
UF12735
UF134827
UF150628
UF12735
UF134827
Balcenna
Balcinsu
UF13267
Kakegawa CE1
Balcimoa
UF152006
UF0646
UF13424
UF12743
UF06419
Balcovino
UF0843

Firecracker

Dahlia

Gardenetta™ Dark Red
Gardenetta™ Lavender Swirl
Gardenetta™ Passion Fruit

Diascia

Juliet™ Orange
Juliet™ Pink
Juliet™ Red
Juliet™ Rose
Juliet™ White

Euphorbia

Breathless® Blush
Breathless® White

Gaura

Belleza™ Compact Light Pink
Belleza™ Dark Pink
Belleza™ White

Impatiens, Compact

SunPatens® Compact Blush Pink
SunPatens® Compact Coral Pink
SunPatens® Compact Deep Rose
SunPatens® Compact Electric Orange
SunPatens® Compact Fire Red
SunPatens® Compact Hot Coral
SunPatens® Compact Lilac
SunPatens® Compact Neon Pink
SunPatens® Compact Orange
SunPatens® Compact Orchid
SunPatens® Compact Pink
SunPatens® Compact Pink Candy
SunPatens® Compact Purple
SunPatens® Compact Red
SunPatens® Compact Royal Magenta
SunPatens® Compact Tropical Rose
SunPatens® Compact White

Impatiens, Double

Fiesta™ Appleblossom
Fiesta™ Burgundy
Fiesta™ Deep Orange
Fiesta™ Lavender Orchid
Fiesta™ Pink Ruffle
Fiesta™ Purple
Fiesta™ Salsa Red
Fiesta™ Sparkler Cherry
Fiesta™ Sparkler Hot Pink
Fiesta™ Stardust Pink
Fiesta™ Stardust Purple
Fiesta™ Sunrise Red
Fiesta™ White
Fiesta™ Bonita Burgundy
Fiesta™ Bonita Cherry
Fiesta™ Bonita Pink
Fiesta™ Bonita Rose
Fiesta™ Bonita Salmon
Fiesta™ Bonita Stardust Lavender
Fiesta™ Bonita White

Impatiens, Exotic

Fusion™ Glow Yellow
Fusion™ Heat Coral

Impatiens, New Guinea

Clockwork™ Appleblossom
Clockwork™ Cherry Strike
Clockwork™ Hot Pink Glow
Clockwork™ Lavender
Clockwork™ Orange
Clockwork™ Orange Stripe
Clockwork™ Pink Star
Clockwork™ Purple
Clockwork™ Red
Clockwork™ Rose
Clockwork™ White Improved

Impatiens, Vigorous

SunPatens® Vigorous Clear Orange
SunPatens® Vigorous Clear White
SunPatens® Vigorous Corona
SunPatens® Vigorous Lavender
SunPatens® Vigorous Orchid
SunPatens® Vigorous Pink Kiss
SunPatens® Vigorous Red
SunPatens® Vigorous Rose Pink
SunPatens® Vigorous Salmon V/L

Baldenrek
Baldenav
Baldenink

Bajlulorim
Bajlulink
Bajluled
Bajlulose
Bajlulitim

Balbreblus
Balbrewite

KLEGL06261
KLEAU04263
KLEGL14844

SAKIMP013
SAKIMP042
SAKIMP017
SAKIMP025
SAKIMP039
SAKIMP026
SAKIMP012
SAKIMP033
SAKIMP011
SAKIMP041
SAKIMP019
SAKIMP046
SAKIMP044
SAKIMP030
SAKIMP029
SAKIMP037
SAKIMP027

Balfieplos
Balfiebur
Balfiedeor
Balfielavori
Pink Ruffle
Balfieprim
Balfiesaled
Balfiespray
Balfiesink
Baloestop
Balfiestarp
Balfiesunre
Balfiewite
Balboniburg
Balbonicher
Balbonipink
Balbonirose
Balbonisal
Balbonistar
Balboniwhite

Balfusinglo
Balfusheat

DANCEL877
Balclonke
Balclohopi
Balclolav
Balceborushi
Balceboripi
Balceborcari
Balcebgushi
Balcebredim
Balclorose
Balclowitz

SAKIMP040
SAKIMP036
SAKIMP008
SAKIMP006
SAKIMP053
SAKIMP043
SAKIMP048
SAKIMP052
SAKIMP005

Terms & Conditions of Sale

Visit ballfloraplant.com for current Terms & Conditions of Sale.

ACCEPTANCE OF TERMS

These terms and conditions shall govern orders for plants (merchandise) placed with Seller. All negotiations with sales representatives or other agents of Seller are merged herein. No modification of these terms and conditions shall be effective unless in writing signed by Seller. Placement of the order shall constitute Purchaser's acceptance of these terms and conditions. All orders are subject to acceptance by Seller at our offices in West Chicago, Illinois.

LIMITATION OF WARRANTY

Seller warrants, to the extent required by law, that merchandise conforms to the description appearing in Seller's catalog and on container labels, within recognized tolerances. SELLER MAKES NO OTHER OR FURTHER WARRANTY, EXPRESS OR IMPLIED. ALL OTHER OR FURTHER WARRANTIES, INCLUDING ANY WARRANTIES OF MERCHANTABILITY, TITLE, NON-INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. Certain merchandise may be separately warranted by the manufacturer. Seller does not adopt or ratify any manufacturer warranties, express or implied, and Seller shall have no liability thereunder. Seller does not adopt or ratify any manufacturer warranties, express or implied, made by Purchaser upon resale of the merchandise, and Seller shall have no liability thereunder.

LIMITATION OF REMEDY

PURCHASER'S SOLE AND EXCLUSIVE REMEDY SHALL BE REFUND OF THE PURCHASE PRICE. SELLER'S LIABILITY, WHETHER FOR BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, PRODUCTS LIABILITY OR ANY OTHER THEORY OF LIABILITY, IS LIMITED TO THE AMOUNT OF THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE, OR FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

MANDATORY ARBITRATION

ANY CLAIM WHICH PURCHASER MAY HAVE AGAINST SELLER ARISING OUT OF OR RELATING TO THE SALE OF THE MERCHANDISE SHALL BE SETTLED BY BINDING ARBITRATION IN ACCORDANCE WITH THE COMMERCIAL ARBITRATION RULES OF THE AMERICAN ARBITRATION ASSOCIATION, SAID ARBITRATION TO BE VENUED IN COOK OR DUPAGE COUNTIES, ILLINOIS. The laws of several states require arbitration, conciliation or mediation of disputes involving allegedly defective plants before legal action may be taken. Purchaser should contact the State Department Of Agriculture for information. Such laws typically require that a complaint be filed with the State Department of Agriculture in time to permit inspection of the crops or plants. If such a complaint is filed, a copy must be sent to Seller by registered or certified mail.

GOVERNING LAW, JURISDICTION & VENUE

The laws of the State of Illinois, including but not limited to the Uniform Commercial Code as adopted therein, shall govern all matters arising out of or relating to Seller's sale of merchandise. ANY DISPUTE NOT SUBJECT TO ARBITRATION AND ANY ACTION TO ENFORCE AN ARBITRATION AWARD ARISING OUT OF OR RELATING TO THE SALE OF MERCHANDISE HEREUNDER SHALL BE MAINTAINED IN THE STATE OR FEDERAL COURTS LOCATED IN DUPAGE OR COOK COUNTIES, ILLINOIS, AND PURCHASER SUBMITS TO THE JURISDICTION OF AND VENUE IN SAID COURTS.

INDEMNITY

By accepting merchandise, Purchaser agrees to defend Seller, to hold it harmless and indemnify it from and against any claim or loss asserted by any or all transferees of such merchandise or users of the products of such merchandise who are not notified by Purchaser in writing of Limitation of Warranty, Limitation of Remedy, Mandatory Arbitration, Governing Law Jurisdiction and Venue, and Notice Regarding Seed-Borne Diseases in language substantially equivalent to that contained in these Terms & Conditions of Sale.

MINIMUM ORDERS

The minimum quantity for each order is 500 unrooted cuttings. Total orders less than 2,000 unrooted cuttings will be subject to a minimum charge of \$30.

PRICES

All prices are subject to change without notice. The price in effect at time of shipment will prevail. Prices do not include installation; Seller takes no responsibility, and shall have no liability for installation.

PAYMENT

Payment is due in invoiced currency and in accordance with the terms specified on invoice. In the event of default in the payment of any amount when due, and in addition to all other rights and remedies available to Seller, SELLER SHALL BE ENTITLED TO COLLECT A LATE CHARGE OF 2% PER MONTH (24% PER YEAR) OR THE MAXIMUM RATE ALLOWED BY LAW, WHICHEVER IS LESS, ON ALL AMOUNTS PAST DUE FROM THE DATE DUE UNTIL THE DATE PAID. A FEE OF \$25.00 WILL BE CHARGED FOR ANY RETURNED CHECK, DECLINED EFT TRANSACTION OR DECLINED BANKCARD TRANSACTION.

FREIGHT & HANDLING CHARGES, INSPECTION, DAMAGED GOODS

The freight and handling charge on Purchaser's invoice covers shipment of the merchandise to Purchaser's destination, and replacement or credit for damaged merchandise if the steps listed here are followed. PURCHASER WILL NOT REFUSE OR RETURN GOODS, OR THE RIGHT TO FILE A CLAIM IS LOST AND PURCHASER WILL STILL BE LIABLE FOR THE MATERIAL AND THE FREIGHT.

When Purchaser receives shipment:

- 1) Count all cartons.
- 2) Inspect all cartons for external damage.
- 3) Check for open or resealed cartons.
- 4) Note any damages, shortages, open or resealed cartons on the delivery receipt; the carrier's representative must also sign the receipt.
- 5) Open all boxes immediately and inspect for damage due to weather related issues such as scorched, frozen or broken plants; material shortages; etc. NOTIFY SELLER IMMEDIATELY IF A SHIPMENT IS DAMAGED. Call the Ball Traffic Department at **800 879-BALL** to report the damage and receive details on what is needed to file a claim. Damaged unrooted cuttings will be replaced by Ball FloraPlant. Damaged rooted cuttings will be replaced by Ball Seed.

CANCELLATION POLICY

Cancellations for unrooted cuttings must be received at least thirty (30) days prior to scheduled ship date. Cancellations for liners or seed-raised plugs must be received prior to stick or sow date.

NOTICE & RETURN

No returns will be accepted. Seller shall have no liability for any defect unless notice is given promptly, not to exceed five (5) days after receipt of delivery of merchandise. Notice of defect should be addressed to Ball at **800 879-BALL**.

DELAYS, SHORTAGES & SUBSTITUTIONS

Seller shall not be responsible for delays in delivery or for losses resulting from such delays. Seller reserves the right to make partial shipment. In the event of shortages, Seller may substitute such other, similar merchandise as is available.

PLANT PROTECTION

Varieties described herein may be covered by the Flowering-Only License Agreement, United States Plant Patents, Utility Patents, and/or Plant Breeders Rights. These varieties may not be reproduced without authorization. The breeder or authorized representative has the right to inspect customers' nurseries during normal business hours to assess compliance with the restrictions on use of protected varieties.

TRADEMARKS

Trademarks are the property of Ball Horticultural Company, unless otherwise indicated.

SALES LIMITATIONS

THE COMPANY'S PRODUCTS MAY NOT BE SOLD, DIVERTED, TRANSFERRED OR RE-EXPORTED, DIRECTLY OR INDIRECTLY, TO ANY INDIVIDUAL, ENTITY, OR DESTINATION THAT IS SUBJECT TO UNITED STATES OR UNITED NATIONS SANCTIONS PROGRAMS OR EMBARGOS (INCLUDING BUT NOT LIMITED TO OFAC SANCTIONS PROGRAMS AND THOSE LISTED ON OFAC'S "SPECIALLY DESIGNATED NATIONALS" LIST) WITHOUT AN APPROPRIATE EXPORT LICENSE.

ALL SHIPMENTS MUST BE SHIPPED IN COMPLIANCE WITH THE FOREIGN CORRUPT PRACTICES ACT AND THE UK BRIBERY ACT.

Discontinued Ball FloraPlant Varieties for 2019

VARIETY

Calibrachoa Can-Can Apricot
 Calibrachoa Can-Can Neon Pink
 Calibrachoa Can-Can Pink Flamingo
 Geranium, Zonal Allure True Red
 Impatiens, Interspecific SunPatens Spreading Carmine Red
 Impatiens, Interspecific SunPatens Spreading Lavender
 Impatiens, Interspecific SunPatens Spreading Pink Flash
 Impatiens, Interspecific SunPatens Spreading Scarlet Red
 Impatiens, Interspecific SunPatens Vigorous Magenta
 Impatiens, Interspecific SunPatens Vigorous Orange
 Impatiens, Interspecific SunPatens Vigorous White
 Impatiens, New Guinea Celebrette Appleblossom
 Impatiens, New Guinea Celebrette Bonfire Orange
 Impatiens, New Guinea Celebrette Cherry Stripe
 Impatiens, New Guinea Celebrette Frost
 Impatiens, New Guinea Celebrette Grape Crush
 Impatiens, New Guinea Celebrette Lavender
 Impatiens, New Guinea Celebrette Orange Crush
 Impatiens, New Guinea Celebrette Orange Stripe
 Impatiens, New Guinea Celebrette Orchid Star
 Impatiens, New Guinea Celebrette Red Improved
 Impatiens, New Guinea Celebrette Salmon Frost
 Impatiens, New Guinea Celebrette Strawberry Star
 Impatiens, New Guinea Celebration Purple
 Impatiens, New Guinea Clockwork White
 MixMasters Color Theory
 MixMasters Do you Lilac it?
 MixMasters Laguna Beach
 Petunia ColorBlitz Fire
 Petunia ColorBlitz Bright Red
 Petunia ColorBlitz Pink Morn
 Petunia Sun Spun Silver
 Verbena Aztec Blue Velvet
 Verbena Aztec Coral
 Verbena Aztec Dark Red
 Verbena Aztec Lavender
 Verbena Aztec Pink
 Verbena Aztec Red
 Verbena Aztec Violet
 Verbena Aztec White
 Verbena Aztec Wild Rose
 Verbena Aztec Magic Magenta
 Verbena Aztec Magic Orchid
 Verbena Aztec Magic Plum
 Verbena Aztec Magic Purple
 Verbena Aztec Magic Red
 Verbena Aztec Magic Silver
 Verbena Aztec Magic White

RECOMMENDED REPLACEMENT

Calibrachoa Cabaret Coral Kiss
 Calibrachoa Cabaret Neon Rose
 Calibrachoa Cabaret Light Pink
 Geranium, Zonal Allure Scarlet
 Impatiens, Interspecific SunPatens Vigorous Red
 Impatiens, Interspecific SunPatens Vigorous Orchid
 Impatiens, Interspecific SunPatens Vigorous Shell Pink
 Impatiens, Interspecific SunPatens Vigorous Red
 Impatiens, Interspecific SunPatens Vigorous Rose
 Impatiens, Interspecific SunPatens Vigorous Clear Orange
 Impatiens, Interspecific SunPatens Vigorous Clear White
 Impatiens, New Guinea Clockwork Appleblossom
 Impatiens, New Guinea Clockwork Orange
 Impatiens, New Guinea Clockwork Cherry Strike
 Impatiens, New Guinea Clockwork White Improved
 Impatiens, New Guinea Clockwork Purple
 Impatiens, New Guinea Clockwork Lavender
 Impatiens, New Guinea Clockwork Orange Stripe
 Impatiens, New Guinea Clockwork Orange Stripe
 Impatiens, New Guinea Clockwork Pink Star
 Impatiens, New Guinea Clockwork Red
 Impatiens, New Guinea Clockwork Appleblossom
 Impatiens, New Guinea Clockwork Hot Pink Glow
 Impatiens, New Guinea Celebration Lavender Glow
 Impatiens, New Guinea Clockwork White Improved
 MixMasters Santa Fe Sunset
 MixMasters Eye Caramba
 MixMasters Laguna Beach Improved
 Petunia ColorBlitz Redtastic
 Petunia ColorBlitz Redtastic
 Petunia ColorBlitz Rose Stardust
 Petunia Sun Spun Lavender Star
 Verbena Firehouse Purple
 Verbena Firehouse Light Pink
 Verbena Firehouse Red
 Verbena Firehouse Lavender
 Verbena Firehouse Pink
 Velvet Verbena Firehouse Red
 Verbena Firehouse Purple
 Verbena Firehouse White
 Verbena Firehouse Purple Fizz
 Verbena Firehouse Burgundy
 Verbena Firehouse Pink
 Verbena Firehouse Purple
 Verbena Firehouse Purple
 Verbena Firehouse Red
 Verbena Firehouse Lavender
 Verbena Firehouse White

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