

2021



Baill FloraPlant®



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Ball FloraPlant®

Bringing you the newest and highest-quality products is key to helping you build a successful business. At Ball FloraPlant®, that's our focus.

Ensuring all our varieties succeed in your climate, for you and your customers, is based on regional trialing. The Ball FloraPlant team does **extensive trialing and testing** for regionality concerns to develop culture regimes you can follow, to be sure your experience is the best with every plant you grow.

With you in mind, we continue to develop **innovative new breeding**, from Genesis™ direct-stick cuttings to our NEW Cha-Cha™ Calibrachoa – 25% more vigorous than our leading Cabaret® Series and featuring an assortment of colors, including two color-shifting types!

You can count on us for the technical resources you need for **growing success in the greenhouse**, coupled with experienced product representatives that can provide solutions to your most pressing growing concerns. You'll also find in-depth culture information, including our BFPTV instructional videos and more, at ballfloraplant.com.

We value your partnership at Ball FloraPlant and look forward to working together for a successful growing season.

**GROWING
THE BEST
EXPERIENCE**

CONTENTS



NEW

38 / Cha-Cha™ Diva Hot Pink
Calibrachoa Novel and vigorous new series includes color-shifting varieties, spectacular for larger pots.



NEW

50 / FlameThrower™ Cajun Spice Coleus Two new eye-popping varieties expand the series, adding tons of texture in the garden and mixed containers.



NEW

114 / Bee's Knees Petunia
 The most intense yellow petunia on the market!

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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.



FRONT COVER:

Las Limas Farm
 NEW Cha-Cha™
 Diva Hot Pink Calibrachoa



TRIALED AND APPROVED



**MASSY
SANA EI**
Lead Product
Manager

Extensive trialing by region continues to be a key part of our introduction process at Ball FloraPlant to ensure our products work in your area. We perform these trials for new introductions, as well as continuous fine-tuning of our varieties after they have been introduced.

SETTING THE STANDARD

Before we 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

Ball FloraPlant's trial sites are chosen by region 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

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, Marysville, WA

Young's Plant Farm, Auburn, AL

ADDED TRIAL SITE in 2018:

George Sant & Sons Greenhouses,
Kleinburg, ON Canada

ADDED TRIAL SITE in 2019:

Rainbow Greenhouses,
Chilliwack, BC Canada



**ALEX
MENESES**
Director
of Offshore
Production



RIGHT FROM THE SOURCE

UNROOTED Supply

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 is a recent winner of the 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% 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 of **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 label and input costs, shortened crop time and less shrink**.

MPS-A CERTIFIED

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

WHAT YOU NEED, WHEN YOU NEED IT

ROOTED Supply

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

Count on our reliable, consistent supply network 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.

SUPPLIERS BY REGION

CALIFORNIA

Ball Tagawa Growers
Arroyo Grande (SG, MM)

COLORADO

Tagawa Greenhouse
Brighton (GE, SG, MM)

GEORGIA

Sunbelt Greenhouses, Inc.
Douglas (SG, MM)

MARYLAND

Greenstreet Growers
Lothian (SG, MM)

MICHIGAN

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

Tuinier Brothers Greenhouses
Kalamazoo (GE, SG)

MINNESOTA

Wagner Greenhouses
Minneapolis (GE, SG, MM)

NEW HAMPSHIRE

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

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

NEW YORK

Dickman Farms
Auburn (GE, SG, MM)

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

Amos Zittel & Sons
Eden (GE, SG)

OREGON

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

Fessler Nursery

Woodburn (GE, SG, MM)

WASHINGTON

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

CANADA

BRITISH COLUMBIA
Westcan Greenhouses Ltd.
Langley Township (GE, SG)

ONTARIO

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

QUÉBEC

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

JASON TWADDELL

Sales and Marketing
Manager



MixMasters™

Combining perfectly mastered colors and greater genetic diversity

Color combos that rock!

The MixMasters Multiliner Program stays at the top of the charts with a large number of 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.



Becky Lacy

Product Development Associate

The best mixes start with **color selection** and end with following proper **culture guidelines**.

Our MixMasters collection has been carefully selected, combining on-trend colors that work well together with varieties that have been trialed and approved for optimum growing performance in containers.

A variety of characteristics also figure in the mix, including unique textures, fragrances, common water requirements and pollinator appeal.

When our team of experts sets out to create new recipes for the program, they also consider the following factors:

- **Regionality:** Where will the combo grow well, or will it work nationally?
- **Timing:** The varieties must flower together in the beginning, and go out together at the end of Summer.
- **Vigor:** The recipe as a whole is taken into consideration, so that one or two components won't overgrow.
- **Seasonality:** Daylength neutrality is important in all of our breeding.
- **Longevity at retail:** All MixMasters combos must provide continuous blooming on retail shelves and on into the consumer's garden after purchase.



23 / 5 Alarm Chili



8 / A Grape Fit! Improved



8 / Bejeweled Improved



9 / Berry Basket



9 / Biden My Time



9 / Big Flirt



21 / Bloom Of Allegiance Improved



16 / Cherry Plum Tart



9 / Color Magic Improved



10 / Cotton Tail



10 / Eye Caramba



11 / Fashionista



16 / Fruit Cocktail



11 / Gimme Some Sugar



21 / Gold Plated



11 / Heartland



11 / Hot Rod



12 / I Heart Pink



12 / Jazzberry Jam



13 / Kiss Me Good Night



16 / Laguna Beach

For best practices, visit ballfloraplant.com where you'll find culture guidelines, videos and more for growing the most successful combos.



19 / Love Me Tender



22 / Lucky Charm



13 / Mambo



13 / Over The Top



17 / Panorama



13 / Paradise Sunrise
Improved



14 / Peach of My Heart
Improved



23 / Peppery Perfection



23 / Pico de Gallo



14 / Pink Outside The Box



17 / Playdate



22 / Porch Patriot Improved



19 / Rainbow Bright



21 / Retro Summer



14 / Rosé Everyday



20 / Rush Hour



15 / Santa Fe Sunset



22 / Shindig Improved



15 / Shoot the Breeze



17 / Spirits United



17 / Spring Showers



17 / Sprinkles On Top



22 / Summer Bouquet



19 / Summer Cocktail



18 / Sundance



15 / Sunnyside Improved



19 / Sunshine State



15 / Sweet Escape



18 / Sweet Melody Improved



20 / Tart Deco



18 / Tea Party



23 / The Whole Enchilada



18 / Tropicali



23 / Vindaloo Vision

SUN COMBOS

(Multi-Species)

A Grape Fit! Improved ●

Calibrachoa Cabaret Neon Rose

Petunia Sun Spun Lavender Star

Verbena Firehouse Purple

Bejeweled Improved ●

Calibrachoa Cabaret Golden Yellow

Petunia Sun Spun Burgundy

Verbena Firehouse Purple

Berry Basket ●

Calibrachoa Cabaret White

Petunia Sun Spun Burgundy

Verbena Burgundy Wink

NEW Biden My Time ●

Bidens Bee Happy Red

Calibrachoa Cabaret Golden Yellow

Verbena Firehouse Red

Big Flirt ●

Petchoa SuperCal Pink Ice

Petunia ColorRush Blue

Verbena EnduraScape Pink Bicolor

Color Magic Improved ●

Calibrachoa Cabaret Golden Yellow

Lobelia Early Springs Dark Blue

Verbena Firehouse Red

TOP SELLER



A Grape Fit! Improved

TOP SELLER



Bejeweled Improved

TOP SELLER



Berry Basket



NEW

Biden My Time

TOP SELLER



Big Flirt



Color Magic **Improved**

SUN COMBOS

(Multi-Species)

Cotton Tail ●

Calibrachoa Cabaret White
Petunia Sun Spun White
Verbena Firehouse White

Eye Caramba ●

Calibrachoa Cabaret White
Petunia ColorBlitz Bluerific
Verbena Violet Wink

Fashionista ●

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

Gimme Some Sugar ●

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

Heartland ●

Lobelia Early Springs Sky Blue
Petunia Sun Spun White
Verbena Firehouse Red

NEW Hot Rod ●

Calibrachoa Cabaret Bright White
Calibrachoa Cabaret Red
Coleus FlameThrower Chili Pepper



Cotton Tail

TOP SELLER



Eye Caramba



Fashionista



Gimme Some Sugar



Heartland



Hot Rod

SUN COMBOS

(Multi-Species)

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 Firehouse Purple

NEW Kiss Me Good Night ●

Bidens Sun Drop
Calibrachoa Cabaret Good Night Kiss
Verbena Firehouse Purple

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 Improved ●

Calibrachoa Cabaret Golden Yellow
Petunia ColorBlitz Pinkceptional
Verbena Firehouse White



I Heart Pink



Jazzberry Jam



Kiss Me Good Night



Mambo



Over The Top



Paradise Sunrise **Improved**

SUN COMBOS

(Multi-Species)

Peach of My Heart Improved ●

Calibrachoa Cabaret Deep Yellow

Impatiens SunPatiens Compact Orange

Verbena EnduraScape Blue



Peach of My Heart Improved

Pink Outside The Box ●

Lobelia Early Springs Lavender Pink

Petunia Sun Spun Lavender Star

Verbena Firehouse Pink



Pink Outside The Box

Rosé Everyday ●

Bacopa MegaCopa White

Calibrachoa Cabaret Pink

Petunia Sun Spun Neon Pink



Rosé Everyday

Santa Fe Sunset ●

Bidens Sunbeam

Calibrachoa Terracotta

Verbena Firehouse Purple

Shoot the Breeze ●

Calibrachoa Cabaret Light Pink

Calibrachoa Cabaret Midnight Blue

Lobularia Easy Breezy White

Sunnyside Improved ●

Calibrachoa Cabaret Golden Yellow

Petunia Sun Spun Yellow

Verbena Firehouse White

Sweet Escape ●

Calibrachoa Cabaret Light Pink

Petunia Sun Spun Yellow

Verbena Burgundy Wink



Santa Fe Sunset



Shoot the Breeze



Sunnyside Improved



Sweet Escape

SUN COMBOS

(Mono Species)

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

Laguna Beach

Calibrachoa Cabaret Orange
Calibrachoa Cabaret Red
Calibrachoa Cabaret Sky Blue

Panorama

Calibrachoa Cabaret Purple
Calibrachoa Cabaret Rose
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

Sprinkles On Top

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

TOP SELLER



Cherry Plum Tart

TOP SELLER



Fruit Cocktail



Laguna Beach

Cabaret



Panorama



Playdate



Spirits United



Sprinkles On Top



Spring Showers

Cabaret

TOP SELLER



Sundance



Sweet Melody Improved

SUN COMBOS

(Mono Species)

Sundance ●

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

Sweet Melody Improved ●

Calibrachoa Cabaret Light Pink
Calibrachoa Cabaret Midnight Blue
Calibrachoa Cabaret Neon Rose

Tea Party ●

Calibrachoa Cabaret Lemon Yellow
Calibrachoa Cabaret Pink Star

Tropicali ●

Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Deep Yellow
Calibrachoa Cabaret Orange



Tea Party

TOP SELLER



Tropicali

Cabaret

COMPACT



Love Me Tender

COMPACT



Sunshine State

COMPACT



Rainbow Bright

COMPACT



Summer Cocktail

SUN COMBOS (Mono Species)

Love Me Tender ●

Calibrachoa Conga Deep Yellow
Calibrachoa Conga Rose Kiss

Rainbow Bright ●

Calibrachoa Conga Dark Blue
Calibrachoa Conga Deep Yellow
Calibrachoa Conga Rose

Summer Cocktail ●

Calibrachoa Conga Dark Blue
Calibrachoa Conga Deep Yellow
Calibrachoa Conga Orange Kiss

Sunshine State ●

Calibrachoa Conga Deep Yellow
Calibrachoa Conga Sunset Kiss

Conga

SUN COMBOS

(Mono Species)

Rush Hour ●

Petunia ColorRush Pink

Petunia ColorRush Pink Vein

Tart Deco ●

Petunia ColorRush Blue

Petunia ColorRush Pink



Rush Hour



Tart Deco

ColorRush



Bloom of Allegiance **Improved**



Gold Plated



Retro Summer

HEAT-LOVING COMBOS

Bloom of Allegiance Improved ●
 Angelonia AngelMist Spreading White
 Lantana Lucky Red
NEW Scaevola Blue Brilliance

NEW Gold Plated ●
 Angelonia Archangel Blue Bicolor
 Lantana Lucky Pot Of Gold
 Scaevola White Sparkle

NEW Retro Summer ●
 Portulaca RioGrande Orange
 Portulaca RioGrande Scarlet
 Portulaca RioGrande Yellow

HEAT-LOVING COMBOS

Lucky Charm ●

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

Porch Patriot Improved ●

Angelonia Archangel Raspberry
Lantana Lucky Yellow

NEW Scaevola Blue Brilliance

Shindig Improved ●

Angelonia Archangel Dark Purple
Lantana Lucky Red

NEW Scaevola Blue Brilliance

Summer Bouquet ●

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



Porch Patriot Improved



Shindig Improved



Summer Bouquet



Lucky Charm

SUN & SHADE COMBOS



5 Alarm Chili

5 Alarm Chili

Coleus FlameThrower Chili Pepper
Coleus FlameThrower Habanero
Coleus FlameThrower Spiced Curry

Peppery Perfection

Coleus Mint Mocha
Coleus Ruby Slipper
Coleus Special Effects



Peppery Perfection



Pico de Gallo

NEW Pico de Gallo

Coleus FlameThrower Salsa Roja
Coleus FlameThrower Salsa Verde
Coleus FlameThrower Serrano

The Whole Enchilada

Coleus FlameThrower Habanero
Coleus FlameThrower Salsa Verde

Vindaloo Vision

Coleus FlameThrower Chipotle
Coleus FlameThrower Salsa Verde
Coleus FlameThrower Spiced Curry



The Whole Enchilada



Vindaloo Vision

ANGELONIA

Archangel™

Heat-loving flowers with the biggest blooms

SEASON
EXTENDER



Left: NEW MixMasters Gold Plated
featuring Blue Bicolor, Lucky Pot Of Gold
Lantana and White Sparkle Scaevola

Top Right: Raspberry

Bottom Right: Dark Purple and
Lucky Lemon Glow Lantana



ANGELONIA



Coral



Blue Bicolor



White



Cherry Red



Light Pink



Pink



Raspberry



Purple



Dark Purple



Dark Rose

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.

ANGELONIA

SEASON
EXTENDER

AngelMist® Spreading

Super-spreading display in baskets and landscapes



Left: Bluebird

Top Right: Berry Sparkler

Bottom Right: White

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.



Berry Sparkler



Dark Purple



Bluebird



Pink



White

ALTERNANTHERA



'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.



NEW

Fresco Purple Brachyscome

BRACHYSCOME ●
Brachyscome hybrida

NEW Fresco™ Purple

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

Fresco Purple has finely textured foliage and small blue flowers that last all season long. Compact and upright-mounded plants prefer cooler temperatures. High light will produce the best habit for brighter, larger blooms than Enduring Blue, which is replaced by Brasco Violet.

FRESCO is a U.S. trademark of Danziger Flower Farm.



NEW

Brasco Violet Brachyscome

NEW Brasco™ Violet

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

Attractive, lavender-blue, daisy-like blooms are perfect for early-Spring sales. A great choice for hanging baskets and containers.

BRASCO is a U.S. trademark of Danziger Flower Farm



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.

BIDENS

BIDENS ●
Bidens ferulifolia

Bee Happy™

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

The Bee Happy Series is 25 to 35% more vigorous than more compact 'Bee Alive', but not quite as vigorous as 'Bee Bold'. It features an upright habit, and the plants can be grown closer together with less spacing. It is easier to control with less PGRs.



Red



Orange

Bee Happy™

BIDENS

Bee Alive & Bee Bold

Gorgeous color fills large and small pots



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.

'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.

Top Left 'Bee Bold'

Bottom Left and Top Right: 'Bee Alive'



Sun Drop Compact Double Yellow



Sun Drop Double Yellow



Sunbeam

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.

BIDENS ●
Bidens ferulifolia

NEW Sun Drop Compact Double Yellow

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

Smaller version of Sun Drop Double Yellow.

Perfect for small pot production and plays nice in mixed containers.

Also, best for the southern region.

Produces double flowers with a better habit and a more saturated yellow than other compact double bidens on the market.

Culture and timing are the same as Sun Drop Compact.



Sun Drop Compact



Sun Drop

NEW Sun Drop Double Yellow

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

Sun Drop Double Yellow features very large, double flowers on a mounding habit.

Large, eye-catching blooms work well in mixed baskets and patio containers.

This yellow bidens forms a tidy mound in the garden.

Flowers from Spring to Fall.

These large, double blooms are substantially larger in size than the competition.

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

Sun Drop & Sunbeam

BACOPA

VersaTM

More upright, less tangling, better sell-through





Blue



Pink Shine



White

BACOPA ● *Sutera cordata*

Versa™

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

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

The Versa Series is a semi-upright sutera that does not tangle when grown pot tight in a quart.

This high-quality, non-tangling series will provide better sell-through at retail.

Ideal for quart or 4-in. (10-cm) pots.

Hides older flowers better than other varieties and has more flower cover in a smaller container.

BACOPA

MegaCopa™

Blockbuster blooms power through the heat



Left: White

Right: Blue



Pink



Pink Shine



White



Sky Blue



Blue

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.



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

BRACTEANTHA

Dreamtime®

GENESIS™

Impressive displays make for 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.

Left: Jumbo Yellow

Right: Jumbo Rose



Jumbo Rose



Jumbo Red



Jumbo Pure White



Jumbo Yellow

CALIBRACHOA

NEW Cha-Cha™

A uniform series with dazzling, novelty colors



NEW Diva Hot Pink



CALIBRACHOA  
Calibrachoa hybrida

NEW Cha-Cha™

Height: 6 to 12 in. (15 to 30 cm)
Spread: 12 to 24 in. (30 to 61 cm)

Cha-Cha Series is 25% more vigorous than Cabaret with large, cascading blooms. Easy to grow and very uniform with an early flowering time. Perfect for large containers, hanging baskets and mixes. This series features an assortment of colors, including two color-shifting types!

NEW Deep Blue

NEW Diva Apricot

NEW Diva Hot Pink: A novelty pink that changes color throughout the season to create a unique blend of colors on one plant.

NEW Frosty Lemon

NEW Tangerine: More novel color and more flowers than the competition.



NEW

Tangerine



NEW

Deep Blue



NEW

Diva Hot Pink



NEW

Frosty Lemon



NEW

Diva Apricot



NEW

Tangerine

CALIBRACHOA

CongaTM

Easy growing for compact color bowls



Left: MixMasters
Rainbow Bright featuring
Dark Blue, Deep Yellow
and Rose

Right: White and Rose



Light Pink Star



Pink Star



Dark Blue



Red



Orange Kiss



Pink



Rose Kiss



Rose



Sunset Kiss



Deep Yellow



White

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.

CALIBRACHOA

Cabaret®

Predictable. Programmable. Profitable.



Top: Good Night Kiss

Bottom: MixMasters Jazzberry Jam
featuring White, Sun Spun Burgundy
Petunia and Firehouse Purple Verbena



Laura Masor

Breeder

My breeding program is focused on selecting genetics that are early to flower, uniform in habit and have excellent garden performance. Having a high pH tolerance and controlled vigor is also important to the program. With the addition of "Good Night Kiss" and "Diva Orange", we now have some fun bicolors that growers can add to their programs!

Cabaret genetic varieties flower early when produced for target production weeks prior to Week 14. They offer 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.

- Our top-selling calibrachoa series works well in 4.5 to 6-in. (11 to 15-cm) pots up to large baskets.
- Medium-vigor series has a complete selection of core colors and novelties.
- Varieties with the timer icon flower earlier for production weeks prior to Week 14.

CALIBRACHOA



Bright White 🌱



Diva Orange 🌱



Good Night Kiss 🌱



Red 🌱



Light Pink Kiss 🌱



Orange 🌱



Pink 🌱



Rose 🌱



Golden Yellow 🌱



Neon Rose 🌱



Midnight Blue 🌱



Sky Blue 🌱



Lavender 🌱



Pink Star 🌱



Light Pink 🌱



Lemon Yellow 🌱



Purple 🌱



Deep Blue 🌱



Deep Yellow 🌱



Bright Red 🌱



Hot Pink 🌱



White 🌱

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 with early flowering!

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

All new genetics flower early when produced for target production weeks prior to Week 14.

Well-branched with full centers. Works well in 4.5 to 6-in. (11 to 15-cm) pots up to large baskets.

CALIBRACHOA



NEW

Bumble Bee Orange

CALIBRACHOA

Calibrachoa hybrida

Bumble Bee Calibrachoa

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

Flowers stay open even under the lowest light.

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

NEW Bumble Bee Orange

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

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

Bumble Bee Orange features a vibrant, unique bicolor pattern with large flowers and excellent heat performance.

Bumble Bee Blue

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

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

Features a vibrant, unique bicolor pattern with large flowers and excellent heat performance. Habit matches Bumble Bee Pink.

Bumble Bee Pink

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

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

Star, eye, picotee and tri-color – this calibrachoa has it all! Bumble Bee Pink is the first eye-type calibrachoa with a star pattern! Wider star adds wow to the throat of the bloom. Perfect for large baskets and combos.

CALIBRACHOA



Bumble Bee Blue



Terracotta



Bumble Bee Pink

CALIBRACHOA ●
Calibrachoa hybrida

Terracotta

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

Abundant blooms with a one-of-a-kind pattern. Well-suited for 6-in. (15-cm) pots up to large hanging baskets.

SUN AND SHADE

Coleus

Colossal color and eye-popping patterns

SEASON
EXTENDER



COLEUS ●●

Solenostemon scutellarioides

The stunning colors and patterns thrive in 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.

Our premium coleus is grouped by vigor to assist in variety selection.

VIGOROUS

VIGOROUS

French Quarter
Redhead
Trusty Rusty
Vino
Wasabi

MEDIUM

MEDIUM

Campfire
Coleosaurus
NEW Dragon Heart
Electric Lime®
Henna
Indian Summer
Inferno
Pinkplosion

COMPACT

COMPACT

Heartbreaker
Mint Mocha
Ruby Punch
Ruby Slipper
Special Effects

Top: Coleosaurus
Bottom: Redhead

VIGOROUS COLEUS



French Quarter



Trusty Rusty



Redhead



VINO



Wasabi

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-leaved 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



Campfire

COLEUS ● ●

Solenostemon scutellarioides

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.

NEW Dragon Heart

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

This full-bodied plant is great for the landscape or large pots, and performs well in both sun and shade. It features bright, exciting colors and a unique foliage pattern!

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.



Coleosaurus

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.

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.

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.



Dragon Heart



Electric Lime



Henna



Indian Summer



Inferno



Pinkplosion

COMPACT COLEUS



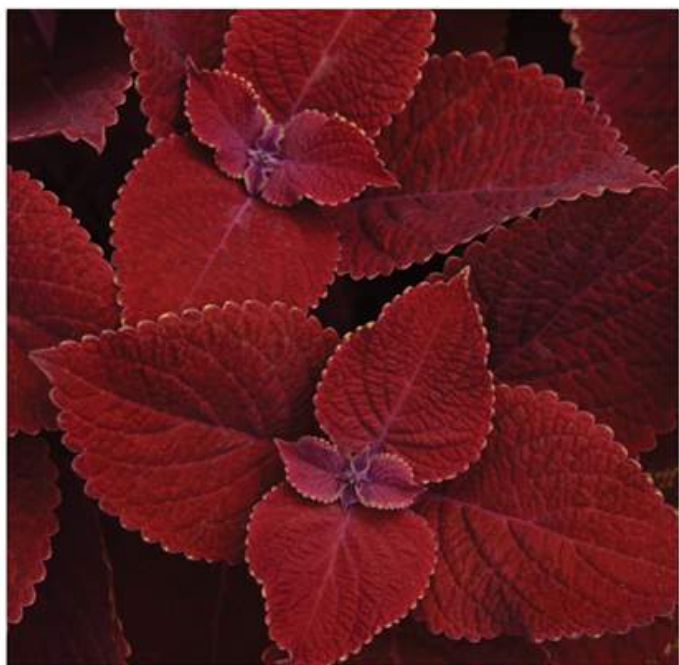
Heartbreaker



Mint Mocha



Ruby Punch



Ruby Slipper



Special Effects

COLEUS ● ●
Solenostemon scutellarioides

Heartbreaker

Height: 14 to 26 in. (36 to 66 cm)
Spread: 14 to 16 in. (36 to 41 cm)

Beautiful pink foliage pattern does not fade in the full sun! Matches Henna for habit.

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 Punch

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

Unique, multicolored, fine-foliage coleus is sure to excite consumers and retailers. Compact habit allows for small pot production for growers and mixed container use for consumers.

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.

COLEUS

FlameThrower™

Create sparks in small pots and mixes

SEASON
EXTENDER



Top: Chili Pepper

Bottom: NEW Cajun Spice



Maria Bolinger

Territory Manager Southeast and Southwest Regions

FlameThrowers are nice and tidy, and thrive in the southern heat. Try them in the landscape as a border or use them as a foolproof component in a combo. They are perfect for Summer and Fall sales. What I love most about all of the Ball FloraPlant coleus is they are late to initiate undesirable blooms.

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, we recommend pinching, as it eliminates the need for PGR in most growing conditions.

Propagation Tips

Quick rooting crop (3-4 weeks in a 100-tray)

No pinch needed if planted on time

No rooting hormone necessary

Low PGR requirement

Finish Crop Tips

Fast to finish with low PGR needs

If needed, paclobutrazol application at 10-15 spray, or 1-2 drench is effective



Cajun Spice



Sriracha



Serrano



Salsa Roja



Salsa Verde



Chili Pepper



Spiced Curry



Chipotle



Habanero

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.

NEW Cajun Spice: Vibrant orange leaves with contrasting green edging.

NEW Sriracha: Dark red leaves highlighted with a pop of lime green edging.



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

COLEUS



Burgundy Wedding Train

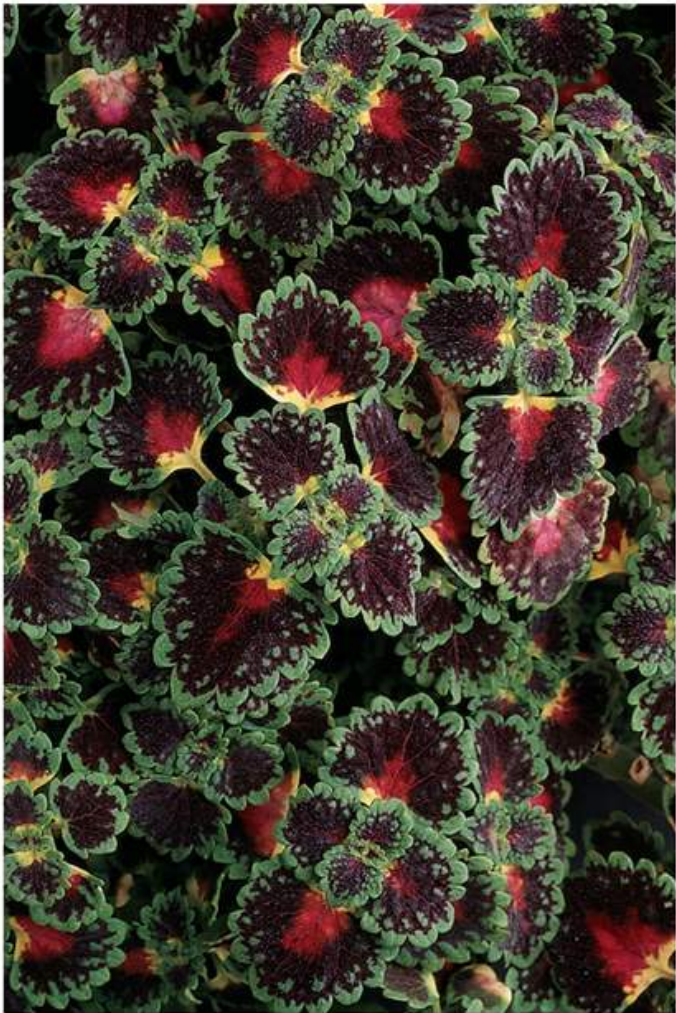
COLEUS ● ●

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

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.



Florida Sun Rose

CUPHEA

CUPHEA

Cuphea hybrida

Honeybells

Height: 10 to 12 in. (25 to 30 cm)
Spread: 14 to 20 in. (36 to 51 cm)

Honeybells will lower rooting time and cost of rooting, because it roots faster. Able to be produced at lower temperatures, it can also decrease the overall cost of Spring greenhouse production. Likewise, Honeybells requires less special treatment because of its high resistance to Oedema. A 2019 University of Georgia Plants of Distinction award winner.

CUPHEA

Cuphea hyssopifolia

'Allyson Heather'

Height: 8 to 12 in. (20 to 30 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: 20 to 24 in. (51 to 61 cm)

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



Honeybells



'Allyson Heather'



'Firecracker'

EUPHORBIA



Breathless Blush Euphorbia

EUPHORBIA ● ●
Euphorbia hypericifolia

Breathless®

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



Breathless Blush Euphorbia



Breathless White Euphorbia

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.



'Blue Daze' Evolvulus



Rose



Pink



White



Orange



Red

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.

GENESIS

Direct-stick Callused Cutting

Benefit from a shorter crop time



Left: Geraniums in production

Top Right: NEW Presto Violet Improved



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. 57 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:

Bracteantha Dreamtime®p. 36
Geranium, Ivy Focus™p. 66
Geranium, Ivy Precision™p. 68
Geranium, Zonal Dynamo™p. 62
Geranium, Zonal Fantasia®p. 60
Geranium, Zonal Galaxy™p. 64

Geranium, Zonal Presto™p. 58
Osteospermum Blue Eyed Beautyp. 104
Osteospermum Blushing Beauty.....p. 105
Osteospermum Serenity™p. 106
Osteospermum Voltage™ Whitep. 103
Osteospermum Voltage™ Yellowp. 103

Scaevola 'Blue Fan'p. 119
Scaevola Bondi™p. 119
Scaevola 'Blue Brilliance'p. 119
Scaevola White Sparklep. 119

ZONAL GERANIUM

Presto™

Naturally compact and dark-leaved



Presto™ – COMPACT HABIT

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

NEW Rose Flare

ZONAL GERANIUM



Dark Red



Deep Scarlet



NEW
Brilliant Red Improved



NEW
Violet Improved



Light Salmon



Pink



Pink+Eye



NEW

Orange



Pink Sizzle



White



NEW

Rose Flare



Light Salmon

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.

NEW Brilliant Red Improved: Features an improved habit with better branching.

NEW Orange: Adds a true orange to the series. It replaces Dark Salmon.

NEW Rose Flare: Offers better branching. Replaces Rose Sizzle.

NEW Violet Improved: Offers an improved habit and better branching.

ZONAL GERANIUM

Fantasia®

A beautiful contrast of dark leaves and bright blooms

GENESIS™

PLANT SIZE












PRESTO

FANTASIA

DYNAMO

GALAXY

Fantasia® – MEDIUM HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Appleblossom	medium	dark	medium
Cardinal Red  TOP SELLER	medium	dark	medium
Cranberry Sizzle 	medium	dark	medium
Dark Red	medium	dark	medium
Flamingo Rose 	early	dark	medium
Fuchsia Berry	medium	dark	medium
Neon Rose 	medium	dark	compact
Orange	medium	dark	medium
Pink	medium	dark	medium
Purple Sizzle	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

Strawberry Sizzle

ZONAL GERANIUM



Dark Red



Fuchsia Berry



Orange



Cardinal Red



Scarlet



Cranberry Sizzle



Violet



Purple Sizzle



Salmon



Strawberry Sizzle



Neon Rose



Shocking Pink



Flamingo Rose



White



Appleblossom



Pink

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-leaved 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*

ZONAL GERANIUM

Dynamo™

Powerhouse of color uniformity

GENESIS™

PLANT SIZE



PRESTO

FANTASIA

DYNAMO

GALAXY

Dynamo™ – MEDIUM HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
NEW Dark Red Improved	medium	green	medium
Dark Salmon	medium	green-zoning	medium
Hot Pink	medium	green	medium
Light Pink	medium	green-zoning	medium
Orange	early	green	medium-vigorous
Pink Flare	medium	green-zoning	medium-vigorous
Purple	medium	green	medium
Red	early	green-zoning	medium-vigorous
NEW Salmon Improved	medium	green-zoning	medium
Scarlet	medium	green	medium
Violet TOP SELLER	medium	green-zoning	medium
White	medium	green-zoning	medium

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

NEW Dark Red Improved

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.

It has big, bright flowers and crisp, medium green leaves.

The ultimate geranium for garden beds and large containers.

Also available as Genesis direct-stick callused cuttings.

NEW Dark Red Improved: Offers better garden performance and a better dark red color. Vigor matches Dynamo Orange.

NEW Salmon Improved: Features better garden performance than its predecessor.



Red



Orange



Pink Flare



NEW
Dark Red Improved



Scarlet



 Violet



Purple



Hot Pink



 Dark Salmon




NEW
Salmon Improved



 Light Pink



White

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

ZONAL GERANIUM

Galaxy™

Big impact in landscapes and large planters

GENESIS™

PLANT SIZE



PRESTO

FANTASIA

DYNAMO

GALAXY

Galaxy™ — VIGOROUS HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Dark Red	medium	green	vigorous
Pink	medium	green-zoning	vigorous
Purple	medium	green	vigorous
Red	medium	green-zoning	vigorous
Salmon	medium	green-zoning	vigorous
Violet	medium	green-zoning	vigorous
Watermelon	medium	green-zoning	vigorous
White	medium	green	vigorous

Violet

ZONAL GERANIUM



Dark Red



Pink



Purple



Red



Salmon



Violet



Watermelon



White



Dark Red, White and Watermelon

ZONAL GERANIUM *Pelargonium hortorum*

Galaxy™

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

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

High vigor, green leaf.

Galaxy produces mounded plants that are vigorous enough to keep their large, semi-double blooms all season in large containers and landscapes, driving higher sales at retail and creating satisfied gardeners.

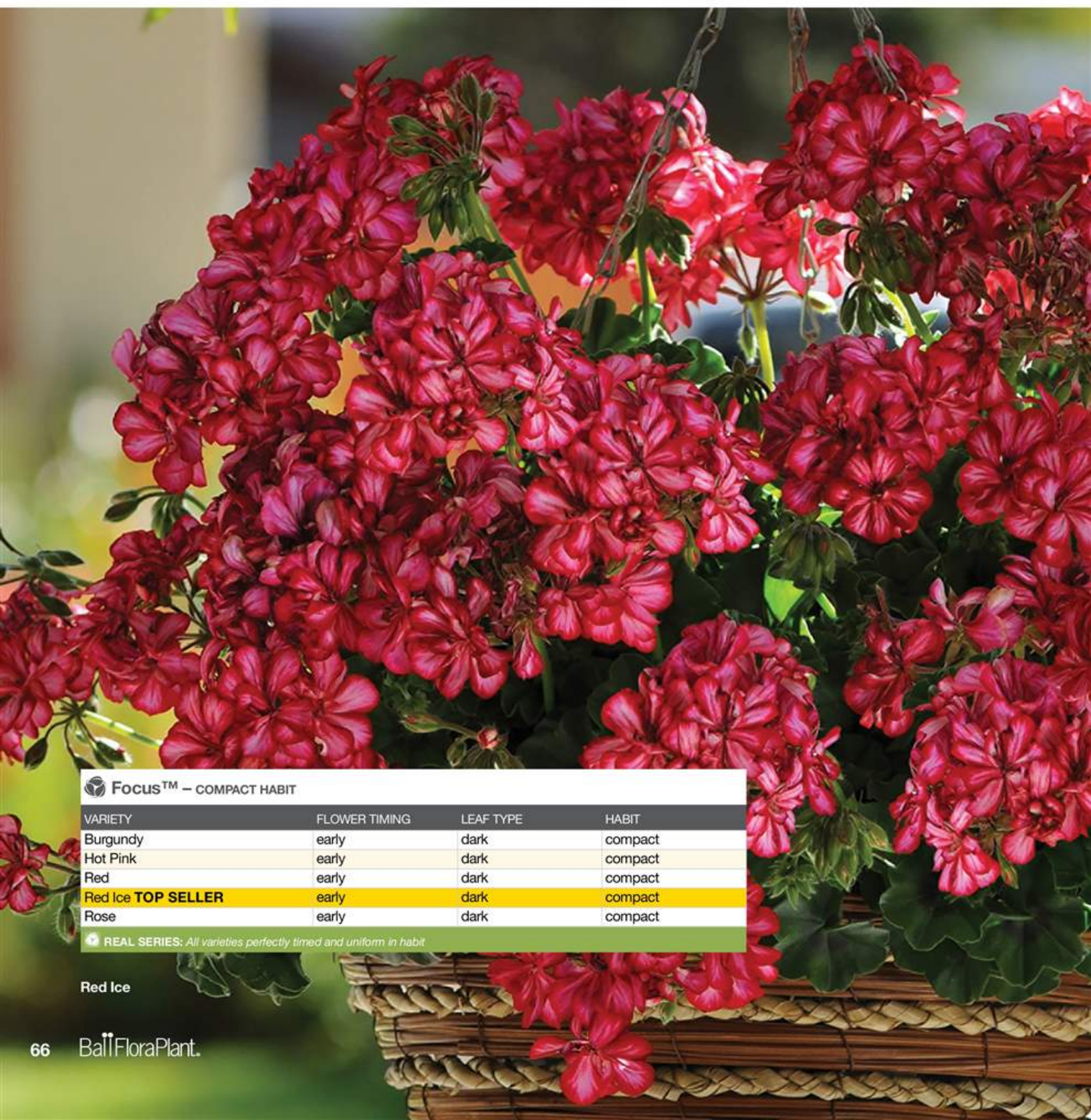
This series offers excellent garden performance when compared to other vigorous, green-leaved zonal geraniums.

Also available as Genesis direct-stick callused cuttings.

IVY GERANIUM

FocusTM

Compact and dark-leaved for dramatic baskets



FocusTM – 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

Red Ice

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



Red Ice



Hot Pink



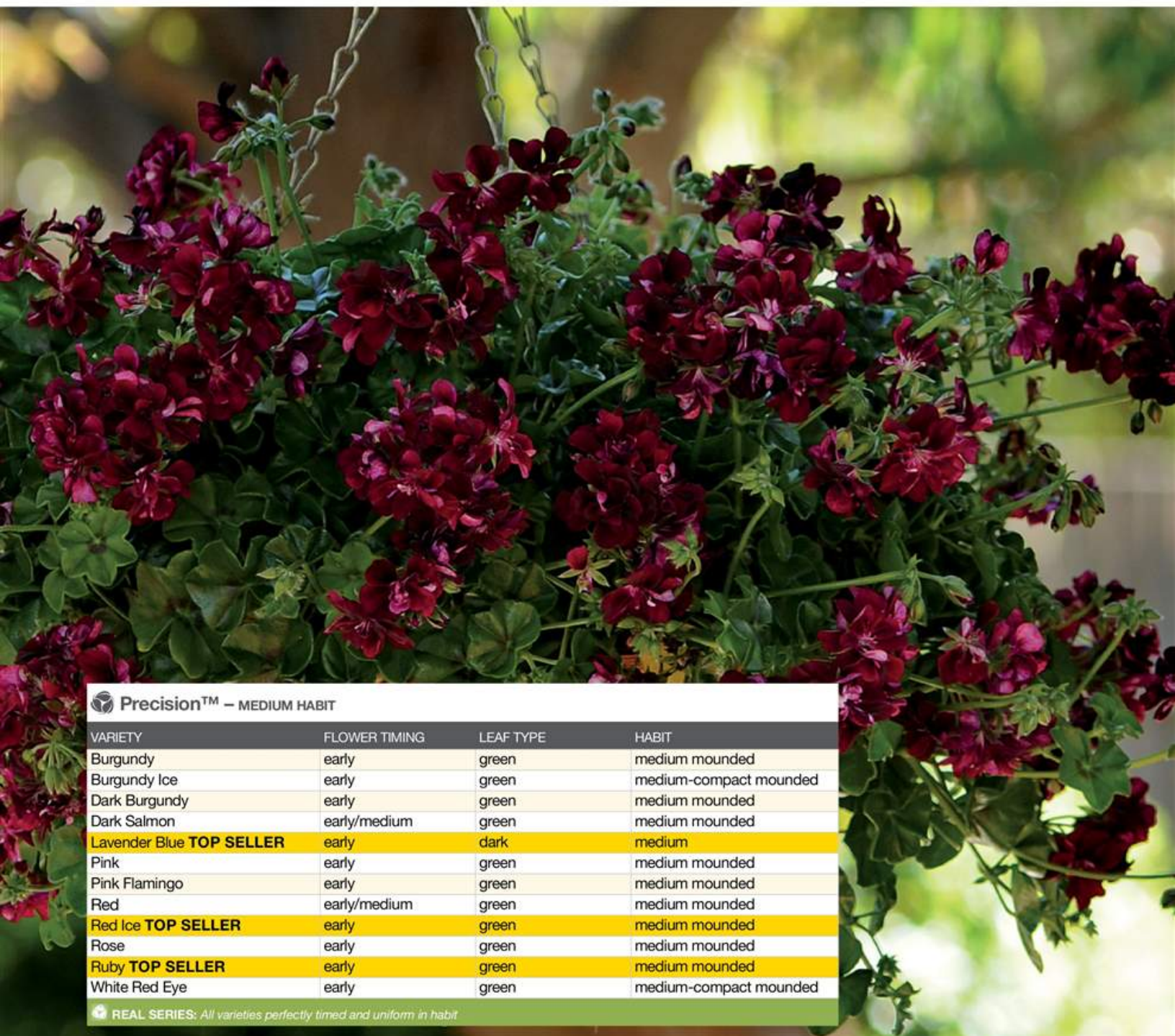
Rose




IVY GERANIUM

Precision™

Early flowering, exact uniformity — precisely in demand



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 TOP SELLER	early	dark	medium
Pink	early	green	medium mounded
Pink Flamingo	early	green	medium mounded
Red	early/medium	green	medium mounded
Red Ice TOP SELLER	early	green	medium mounded
Rose	early	green	medium mounded
Ruby TOP SELLER	early	green	medium mounded
White Red Eye	early	green	medium-compact mounded

 **REAL SERIES:** All varieties perfectly timed and uniform in habit

Dark Burgundy

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.



Red



Rose



Dark Burgundy



Burgundy



Ruby



Burgundy Ice



Dark Salmon



Red Ice



Pink Flamingo



Lavender Blue



Pink



White Red Eye

HELICHRYSUM



'Licorice' Helichrysum

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-leaved plant is useful as an accent in containers and baskets.

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.



'Marine' Heliotrope

IRESINE ● ●
Iresine hybrid

'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.

'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.



'Blazin' Lime' Iresine



'Blazin' Rose' Iresine



Patchwork Cosmic Orange



Patchwork Cosmic Orange



Patchwork Peach Prism



Patchwork Pink Shades



Patchwork Cosmic Burgundy

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.

DOUBLE IMPATIENS

Fiesta Bonita™

A celebration of supersized double blooms



Left: White in mix combo

Top Right: Burgundy

Bottom Right: Stardust Lavender



Mixed container featuring Rose and Lava Rose Coleus



White



Salmon



Burgundy



Cherry



Rose



Pink



Stardust Lavender

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.

DOUBLE IMPATIENS

FiestaTM

Big and bold double blooms for the shade



Stardust Pink and Appleblossom

DOUBLE IMPATIENS



Coral Orange



White



Appleblossom



Lavender Orchid



Pink Ruffle



Sparkler Cherry



Stardust Pink



Sparkler Hot Pink



Stardust Purple



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 rose-like 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 and 10 to 12-in. (25 to 30-cm) containers.

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

INTERSPECIFIC IMPATIENS

SunPatiens® Vigorous

Masses of nonstop color for landscapes



Left: Corona
Right: Clear White

INTERSPECIFIC IMPATIENS



Lavender Splash



Orange



Tropical Orange



Orchid



Shell Pink



Corona



Red



Rose Pink



Clear White

INTERSPECIFIC IMPATIENS *Impatiens hawkeri*

SunPatiens® Vigorous

Height: 18 to 36 in. (46 to 91 cm)
Spread: 22 to 36 in. (56 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.

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



White V/L



Pink Kiss



Salmon V/L



INTERSPECIFIC IMPATIENS

SunPatiens® Compact

Outstanding flower power for containers



INTERSPECIFIC IMPATIENS ● ●

Impatiens hawkeri

SunPatiens® Compact

Height: 12 to 32 in. (30 to 81 cm)

Spread: 12 to 26 in. (30 to 66 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 Hot Pink: Bright pink addition to the series.

NEW Rose Glow

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.

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

NEW Forever Summer Mix contains Compact Coral Pink, Compact White and Compact Purple impatiens.

NEW Happy Days Mix contains NEW Compact Rose Glow, Compact Orchid Blush and NEW Compact Hot Pink impatiens.

NEW Hawaiian Sunset Mix contains Compact Coral Pink, Compact Orchid Blush and Compact Purple impatiens.

NEW Lovebird Mix Improved contains Vigorous Pink Kiss, Vigorous Red and Vigorous Shell Pink impatiens.

NEW Tropical Punch Mix contains Compact Hot Coral, Compact Orchid Blush and Compact Purple impatiens.

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



NEW Hot Pink

INTERSPECIFIC IMPATIENS



Hot Pink



Rose Glow



Orchid Blush



Pink Candy



Orange



Tropical Rose



Fire Red



Deep Rose



Red



White



Lilac



Blush Pink



Royal Magenta



Hot Coral



Coral Pink



Summer Salsa Mix



Best Friends Mix



Electric Orange



Purple



Forever Summer Mix



Tropical Punch Mix



Hawaiian Sunset Mix



Lovebird Mix Improved



Happy Days Mix

NEW GUINEA IMPATIENS

Clockwork™

A compact star in small pots and mixed containers



Left: Orange Stripe,
Purple and Orange

Top Right: Appleblossom,
White and Red

Bottom Right: Pink Star

NEW GUINEA IMPATIENS



White



Lavender



Red, Appleblossom and White



Rose



Hot Pink Glow



Cherry Strike



Pink Star



Appleblossom



Red



Orange



Purple



Orange Stripe

NEW GUINEA IMPATIENS

● ●
Impatiens hawkeri

Clockwork™

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

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.

NEW GUINEA IMPATIENS

Celebration

Loads of color for bigger pots and baskets



NEW GUINEA IMPATIENS



White



Icy Blue



Pink



Rose Star



Electric Rose



Tropical Peach



Apricot



Bright Salmon



Lavender Glow



Deep Red



Purple Star



Orange

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

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.

IPOMOEA

Spotlight™

A compact star in small pots and mixed containers

SEASON
EXTENDER



Massy Sanaei

Lead Product Manager

Our breeding in ipomoea was targeted at a naturally compact plant that would not need a pinch. Spotlight was the result, and it represents the only ipomoea on the market for no-pinch production. We see a direct application for Spotlight in southern markets for small pots and containers where other ipomoea become too vigorous.

Spotlight Best Practices

Direct-stick the Spotlight Unrooted Cutting into a 6-pack. No pinching is needed. Use a B-Nine 2,500 ppm spray 2 weeks after stick. The pack will be ready after 4 weeks.



Spotlight™
Lime



2 weeks after stick 4 weeks after stick



Top: Mixed container featuring Black, Lucky Red Lantana and EnduraScape Red Verbena

Bottom: Black Cut, Lime Cut and Red Cut



Red Heart



Lime Heart



Black Heart



Lime Cut



Black Cut



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 offers popular heart and cut-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.

It is a great compact solution for southern regions.

NEW Red Heart: True red with a heart-shaped leaf. Less fade in the South than the competition.

IPOMOEA

SolarPower™



Medium habit, plus energy and color for containers and landscapes



Left: Mixed container featuring
Lime, Lucky Sunrise Lantana and
Archangel Dark Rose Angelonia

Top Right: Lime

Bottom Right: Red



Red Heart



Black Heart



Lime Heart



Red



Black



Lime

IPOMOEA 🌱 🌿
Ipomoea batatas

SolarPower™

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

Series features heart and cut-shaped leaf varieties!

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.

IPOMOEA

SolarTower™

First-ever self-climbing ipomoea

SEASON
EXTENDER



Mixed container featuring Lime,
Lucky Red Lantana and
FlameThrower Chili Pepper Coleus



Lime



Black

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.

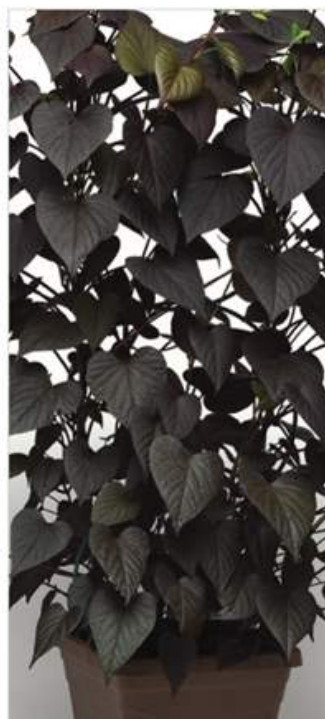
Climbing plant is ideal for use
with a trellis, as a topiary or on a
vertical wall planting.

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.



Black

Bloomify™

First certified sterile lantana won't multiply



Red

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.

Seed Set



Bloomify Red bursts with continuous flowers and color



Competitive red has slowed-down flowering and shows seed pods



Mango



Rose



Red

LANTANA

Little Lucky™

This one's the charm for pot-tight production



Left: Red

Top Right: Orange

Bottom Right: Mixed container
featuring Hot Pink, Spotlight
Black Ipomoea, Archangel
Dark Rose Angelonia and
'Goldilocks' Lysimachia



Pot Of Gold



Hot Pink



Orange



Peach Glow



Red



Lemon Cream



Red, Peach Glow, Orange and 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.

LANTANA

Lucky™

Magically stands up to hot, dry conditions

SEASON
EXTENDER



Jason Twaddell

Sales and Marketing Manager

Lucky Best Practices

You can't go wrong with Lucky. It is our go-to lantana series. We have exciting new propagation techniques to help you be successful from stick to finish!

Success in Propagation

- High priority URC
 - Stick same day received
- Pinched liner produces the best finished quality
 - Leave 2 sets of leaves after the pinch
- Florel is a good PGR option
 - 200-300 ppm
- Florel + Configure is a good tank mix
 - Florel (250-300 ppm) + Configure (50-75 ppm)!

North Region

The best treatment for Lucky varieties in propagation was the Florel 250 ppm/Configure 50 ppm treatment. We used two applications — the first as a spray 28 days after stick, and the second 1 week after transplant. We did not need additional PGRs in our trial. If you require a more compact habit, apply B-Nine 5,000 ppm tank mix with Cycocel 1,000 ppm as a spray 2-4 weeks after transplant.

South Region

The best treatment for Lucky varieties in this region in propagation was the Florel 300 ppm/Configure 75 ppm treatment. We used two applications — the first as a spray 21 days after stick, and the second 3 weeks after transplant. We did not need additional PGRs in our trial. If you require a more compact habit, apply B-Nine 2,500 ppm tank mix with Cycocel 750 ppm as a spray 2-4 weeks after transplant.

Top: Flame

Bottom: White

LANTANA



Sunrise Rose



Peach



Sunrise Rose



White



Lavender



Yellow



Pot Of Gold



Red



Flame

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.

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

LANTANA

Landmark™

SEASON
EXTENDER

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



Left: Sunrise Rose

Top Right: Sunrise Rose

Bottom Right: White



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.

LOBELIA

Early Springs™

Early to rise for Spring sales, also takes the heat



Top Left: Lavender Pink

Top Right: White

Bottom: MixMasters Gimme
Some Sugar featuring Dark Blue,
Sun Spun Yellow Petunia and
MixMasters Hot Pink Verbena

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.



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

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.



Early Springs Dark Blue



Early Springs Sky Blue



Early Springs Lavender Pink



Early Springs White

Waterfall™

LOBULARIA

Easy Breezy™

The easy choice for longer-flowering lobularia



Left: MixMasters Shoot the Breeze featuring White with Cabaret Light Pink and Midnight Blue Calibrachoa

Top Right: Purple

Bottom Right: Pink and White





Purple



White and Pink



Pink



White

LOBULARIA *Lobularia maritima*

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.



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

LANTANA

LANTANA *Lantana camara*

'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.

LANTANA *Lantana montevidensis*

NEW 'Purple Falls'

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

Large clusters of purple flowers attract butterflies and bloom abundantly all Summer long. Faster pot fill and better branching than Purple Trailing with heat and drought tolerance. They provide a colorful addition to containers, hanging baskets and borders.

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.



'Purple Falls' Lantana



'New Gold' Lantana



'Goldilocks' Lysimachia

MECARDONIA



'Jade Frost' Lamium



'Anne Greenaway' Lamium



'Beacon Silver' Lamium



'White Nancy' Lamium



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.

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: 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.

SEASON
EXTENDER

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 56-57.



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

Voltage™ Yellow & Voltage™ White

Electrifying color for Summer gardens



Voltage Yellow, Cabaret Red Calibrachoa and Juncus



Voltage White



Voltage Yellow



Voltage White

OSTEOSPERMUM *Osteospermum hybrid*

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™ 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.

OSTEOSPERMUM

Blue Eyed Beauty

Beautiful bicolor perfect for early Spring sales



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.



Blue Eyed Beauty



Blue Eyed Beauty

Blushing Beauty & Sunshine Beauty

A perfectly pretty pair



Blushing Beauty



NEW

'Sunshine Beauty'



Blushing Beauty

OSTEOSPERMUM ●

Osteospermum ecklonis

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.

NEW 'Sunshine Beauty'

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

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

'Sunshine Beauty' has vibrant orange edges that fade into a yellow center. New blooms emerge in brighter, more vibrant hues that lead to three shades of blooms at one time.

Also available as Genesis direct-stick callused cuttings.

OSTEOSPERMUM

Serenity™

Low-stress production with high-interest color



James Doukas

Territory Manager Great Lakes and
Northeast Regions

Serenity Best Practices

Here are some growing tips for getting the best performance from Serenity.

Propagation

- Utilize rooting hormone.
- Avoid wilting in the first 4-5 days (reemay or high mist frequency in the first 4-5 days).
- Soil temps: 68-72°F (20-22°C).
- PGRs: Use a B-Nine/Cycocel tank mix spray to tone if needed (2,500 ppm B-Nine/750 ppm Cycocel).
- Transplant a pinched liner for best flower power at point of sale.

After Transplant

- 10-12 weeks of crop time will provide the best quality.
 - Establish: 3-4 weeks at warm temperatures of 62-66°F (17-19°C).
 - Cool for flower power: 3-4 weeks to force at temperatures of 55-65°F (13-18°C).
- PGRs: Use a B-Nine/Cycocel tank mix to tone early before bud formation.
 - Paclobutrazol drench: 1-3 ppm after buds form to minimize delay.

Top: Rose Magic

Bottom: Lemonade

OSTEOSPERMUM



Coral Magic



Lavender Frost



Rose Magic



Lemonade



Pink Magic



Deep Yellow



Red



White



Bronze



Pink



Dark Purple

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.

PETUNIA

Sun Spun[®]

Compact and early to flower



Left: MixMasters Sweet Escape
featuring Yellow, Cabaret
Light Pink Calibrachoa and
Burgundy Wink Verbena

Top Right: Purple Star

Bottom Right: Burgundy





Pink Ice



Yellow



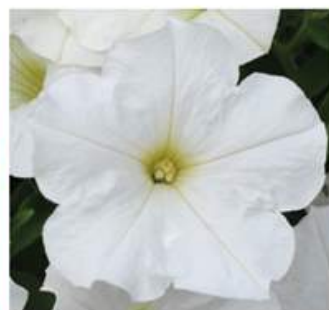
Coral



Blue



Pink



White



Red



Burgundy



Lavender Star



Raspberry Star



Purple Star



Neon Pink

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

ColorBlitz™

Redefining medium petunias



Left: NEW MixMasters Paradise
Sunrise Improved featuring
Pinkceptional, Cabaret Golden
Yellow Calibrachoa and
Firehouse White Verbena

Top Right: Rose Stardust

Bottom Right: MixMasters Eye
Caramba featuring Bluerific,
Cabaret White Calibrachoa and
Violet Wink Verbena



PETUNIA



Blue



Purple



Red



Sky Blue

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.



Snowy White



Amethyst



Rose Stardust



Lavender Shades



Bluerific



Pinkceptional



Blue Stardust



Yellow



Ocean Blue

PETUNIA

ColorRush™

Bursting with bold color for landscapes and large baskets



Manda Vuksanaj

Territory Manager Midwest/West Coast

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. The chart below shows the flowering weeks you can expect by region.

ColorRush White was a standout among ground petunias at trials across North America and a 2019 University of Georgia Plants of Distinction award winner.

ColorRush Best Practices

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.

WEEK IN FLOWER

VARIETY	FLORIDA	ARROYO GRANDE	WEST CHICAGO
ColorRush Blue TOP SELLER	5	7	14
ColorRush Merlot Star	5	7	14
ColorRush Pink TOP SELLER	5	6	13
ColorRush Pink Vein TOP SELLER	5	7	14
ColorRush Purple	5	6	13
ColorRush Watermelon Red	4	5	13
ColorRush White	3	4	12

Top: Pink

Bottom: White

PETUNIA



Merlot Star



Purple



Watermelon Red



White



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.



MixMasters Rush Hour featuring Pink Vein and Pink



MixMasters Big Flirt featuring Blue, EnduraScape
Pink Bicolor Verbena and SuperCal Pink Ice Petchoa

PETUNIA



Bee's Knees

PETUNIA ●
Petunia x hybrida

NEW Bee's Knees

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

Bee's Knees is filled with lush blooms and puts on a high-impact show all season long with very little attention.

It brings the most intense yellow petunia to the market, along with the best performance!

This variety does not fade and has dark green foliage and outstanding branching.



Bee's Knees



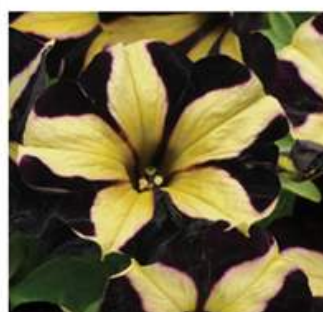
Midnight Gold



Pink Diamond



'Jelly Roll'



Phantom



Cha-Ching Cherry

PETUNIA ●●●
Petunia x hybrida

Midnight Gold

Height: 8 to 10 in. (20 to 25 cm)
Spread: 20 to 26 in. (51 to 66 cm)

Unique, first-of-its-kind novelty color! Exceptional branching with profuse flowering. Slightly more vigorous than the Double Wave® Double Petunia Series. Features huge double blooms that are great for hanging baskets.

NEW Pink Diamond

Height: 8 to 10 in. (20 to 25 cm)
Spread: 20 to 26 in. (51 to 66 cm)

Pink Diamond is slightly more vigorous than the Double Wave® Double Petunia Series. This plant features huge double blooms that are great for hanging baskets. New blooms cover old flowers for a fresh-looking plant all season!

'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

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.



Pinstripe



Cascadias Indian Summer



Ragtime



Black Magic



Lime Light



Rhythm And Blues



Double Wave Red

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

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

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.

TRAILING PETUNIA ●

Petunia x hybrida

Ragtime

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

Excellent purple and white picotee-flowered petunia pairs nicely with Rhythm And Blues. Early-flowering variety has a trailing, vigorous 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.

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-leafed plants to make outstanding mixed containers, baskets and gardens.



Double Wave Pink



Double Wave Rose



Double Wave White



Double Wave Purple



Double Wave Blue Velvet

PETCHOA

SuperCal®

The all-weather petunia, rain or shine



PETCHOA ●●●

Petunia x Calibrachoa hybrid

SuperCal® Premium

Height: 14 to 24 in. (36 to 61 cm)
Spread: 14 to 26 in. (36 to 66 cm)

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

SuperCal® Mixes

SuperCal offers 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.

NEW Autumn Spice Mix

contains Premium Cinnamon and Premium French Vanilla.

NEW Bonfire Premium Mix

contains Premium Cinnamon, Premium French Vanilla and Premium Caramel Yellow.

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



NEW

Bonfire Premium Mix



NEW

Autumn Spice Mix



Premium Sunray Pink



Premium Caramel Yellow



Premium Bordeaux



Premium French Vanilla



Premium Cinnamon

SuperCal™
The Perfect Petunia

PETCHOA



Rose



Royal Red



Lavender Star



Neon Rose



Snowberry White



Light Yellow



Pink



Blushing Pink



Artist Rose



Blue



Terracotta



Cherry



Pink Ice



Salmon Glow



Purple



Violet



Garden Magic Mix



Summer Sensation Mix

PETCHOA 🌈
Petunia x Calibrachoa hybrid

SuperCal®

Height: 14 to 28 in. (36 to 71 cm)
Spread: 14 to 32 in. (36 to 81 cm)

The best characteristics of petunias and calibrachoa, 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.

NEW Rose

NEW Royal Red

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

PLECTRANTHUS



'Nico' Plectranthus



'Nicolleta' Plectranthus



'Variegata' Plectranthus



Mona Lavender Plectranthus



Río Grande Magenta Purslane



Río Grande Scarlet Purslane



Río Grande Orange Purslane



Río Grande Yellow Purslane



Río Grande White Purslane

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.

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.



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.



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



Bondi Blue Scaevola



'Blue Fan' Scaevola



White Sparkle Scaevola



Bondi White Scaevola



'Blue Brilliance' Scaevola



'Persian Shield' Strobilanthes

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.



SCAEVOLA ●

Scaevola hybrid

NEW 'Blue Brilliance'

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

'Blue Brilliance' is vigorous, but is still tidy in the garden. This scaevola offers a darker blue than Brilliant with better branching. Also available as Genesis direct-stick callused cuttings.

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.



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.

SALVIA

SEASON
EXTENDER

Mysty & Mystic Spires

Perfect performance in small pots and combos



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.

Left: Mystic Spires

Right: Mysty



Mystic Spires



Mysty



'White Flame'

SALVIA ●
Salvia farinacea

NEW 'White Flame'

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

This salvia is covered in white blooms with excellent heat performance.

It is perfect for landscapes and mixed containers.

White Flame is one of the most heat-tolerant plants available, with vigorous in-ground performance.

Matches Mystic Spires in height.



'Black & Bloom'



'Black & Blue'

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.



'Purple & Bloom'



'Roman Red'

'Purple & Bloom'

Height: 40 to 48 in. (102 to 122 cm)
Spread: 36 to 48 in. (91 to 122 cm)

This salvia is 25% more compact than the leading competitor, and it is easy to produce, requiring less PGRs. It offers the same flower power and performance as 'Black & Bloom'. Looks great in the landscape all Summer long!

SALVIA ● ●
Salvia splendens x darcyi

'Roman Red'

Height: 28 to 34 in. (71 to 86 cm)
Spread: 28 to 36 in. (71 to 91 cm)

Has a more compact habit compared to the leading competitor's red, along with medium green foliage.

This is the only vibrant red, interspecific salvia on the market!

More similar in habit and performance to 'Black & Bloom', with a semi-mounded habit.

Offers exceptional landscape performance when compared to *Salvia splendens*.

THUNBERGIA



Sunny Arizona Glow Thunbergia

THUNBERGIA *Thunbergia alata*

Sunny™

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

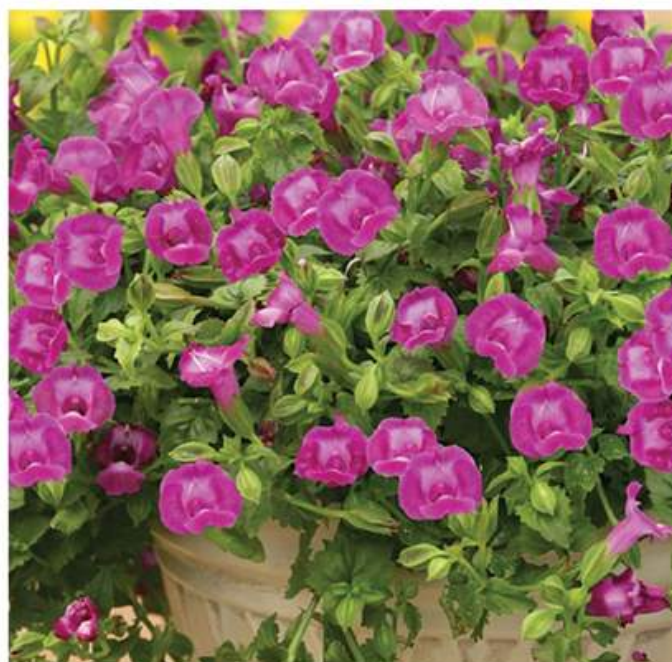
Ball FloraPlant is the only source for in-demand unrooted thunbergia cuttings. This vigorous vine produces very large, brightly colored flowers all Summer. Sunny has a short crop time under warm conditions. Great for baskets, large containers and upright vining areas.



Sunny Lemon Star Thunbergia



Sunny Orange Wonder Thunbergia



Summer Wave Large Amethyst Torenia



Summer Wave Large Violet Torenia



Summer Wave Large Amethyst Torenia



Summer Wave Large Silver Torenia



Summer Wave Large Blue Torenia

TORENIA *Torenia hybrida*

Summer Wave®

Height: 8 to 10 in. (20 to 25 cm)
Spread: 20 to 36 in. (51 to 91 cm)

Flowers all season, yielding a much higher bloom count than others. With a lush, trailing habit and vigorous growth, they're perfect for shady beds or hanging baskets. Self-cleaning and well-branching, they require very little maintenance.

SUMMER WAVE is a registered trademark of SUNTORY FLOWERS LIMITED.



Violet Wink Verbena in mix combo



Aromatica White Nemesia



Burgundy Wink Verbena



Violet Wink Verbena



Aromatica Royal Blue Nemesia



Aromatica Rose Pink Nemesia



Magilla Purple Perilla

VERBENA ● ●
Verbena peruviana

Burgundy 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 onto retail shelves.

Performs beautifully in baskets, mono and mixed containers.

NEMESIA ●
Nemesia fruticans

Aromatica™

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.




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.

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

VERBENA

Cadet Upright™

Stays in line with an upright habit



Left: Violet Blue

Top Right: NEW Hot Pink Wink Improved

Bottom Right: Magenta Wink



NEW

Hot Pink Wink Improved



NEW

Red Improved



NEW

Hot Pink Wink Improved



NEW

Lavender Blue Improved



NEW

Red Improved



Violet Blue



White



Purple



Magenta Wink



Pink

VERBENA 
Verbena peruviana

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.

Compared to the competition, this verbena has the most uniform habit across the series.

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 Improved: Richer hot pink color with a better habit and less fade.

NEW Lavender Blue Improved: Features less fading and a better habit.

NEW Red Improved: Red Improved has a deeper flower color and doesn't fade in the sun!

VERBENA

Firehouse™

Stands tough when the heat rises



Top: MixMasters Heartland
featuring Red, Early Springs
Sky Blue Lobelia and Sun Spun
White Petunia

Bottom: Grape



Tanya Carvalho

Territory Manager Canada

I'm excited about the two new vibrant colors for 2021, Blue Fizz and Violet Wink! We also have an improved Purple Fizz, which offers a bright truer purple. These medium, mounded verbena are perfect for baskets and mixed containers. Because it doesn't cycle out of color, I use Firehouse in my mixed medium-sized planters for worry-free all-summer color!

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.

West Region

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

South and Southeast Regions

Firehouse starts with good liner productions, 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.



NEW

Blue Fizz



NEW

Violet Wink



NEW

Purple Fizz Improved



Lavender



Grape

VERBENA 
Verbena peruviana

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.

Same superior garden performance in the heat as EnduraScape.

Less cycling means more color in the garden for Summer.

Excellent powdery mildew resistance.

NEW Blue Fizz: New vibrant hue for this series.

NEW Purple Fizz Improved: Offers brighter color and a truer purple.

NEW Violet Wink: Offers better resistance to powdery mildew and matches the series' habit.



Pink



Light Pink



Burgundy



Purple



Red



White

VERBENA

EnduraScape™

Color that won't quit

SEASON
EXTENDER



Left: Pink Fizz and White

Top Right: NEW Purple Improved

Bottom Right: Blue and Hot Pink



VERBENA



Purple Improved



Red Improved



Pink Fizz



White



Blue



Pink Bicolor



White Blush



Magenta



MixMasters Big Flirt featuring Pink Bicolor, ColorRush Blue Petunia and SuperCal Pink Ice Petchoa



Hot Pink



Dark Purple

VERBENA 
Verbena peruviana

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 through 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 Purple Improved: Less fade, better habit and deeper purple color.

NEW Red Improved: Darker, larger flower than original red. Vigor matches the other colors in the series.

Ball Seed Sales Reps



CANADA



YVES COURNOYER
Regional Business Manager



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Territory



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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 2,000 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-stick 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.
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 and eliminate 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.
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	Honeybells will require all flower buds to be pinched out of the liner in order to create better branching in finished product.
DIASCIA	50, 72, 84, 105	No	6-9	Yes	3-4	Stick 1 cutting 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.
GERANIUM (IVY)	See Comments	Optional	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	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 Botrytis. 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 Botrytis.

Propagation Guide

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 1 cutting 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.
TORENIA	50, 72, 84, 105	No	6-9	Yes	3-4	Reduce mist as soon as possible.
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 Fall.

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 (17-21°C)	175-225	1	
ANGELONIA	AngelMist® Spreading	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-70°F (17-21°C)	175-225	0-2	
ANGELONIA	Archangel™	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-70°F (17-21°C)	175-225	0-2	
BACOPA	MegaCopa™, Versa™	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 (12-16°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 (12-16°C)	175-225	1-2	
BIDENS	Sun Drop, Sun Drop Compact, Sun Drop Compact Double Yellow, Sun Drop Double Yellow, Sunbeam	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (12-16°C)	175-225	1-3	
BRACHYSCOME	Brasco™ Violet	5.8-6.2	5,000-9,000	65-73°F (18-23°C)	56-61°F (13-16°C)	175-225	0-1	
BRACHYSCOME	Fresco™ Purple	5.8-6.2	5,000-9,000	65-75°F (18-24°C)	58-65°F (14-18°C)	125-200	0-1	
BRACHYSCOME	Radiant Magenta	5.8-6.2	5,000-9,000	65-76°F (18-24°C)	62-67°F (17-19°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	
CALIBRACHOA	Bumble Bee Blue, Bumble Bee Orange, Bumble Bee Pink, Cabaret®, Cha-Cha™ Terracotta	5.4-5.8	5,000-8,000	71-76°F (22-24°C)	50-58°F (10-14°C)	225-300	1-2	
CALIBRACHOA	Conga™	5.4-5.8	5,000-8,000	71-76°F (22-24°C)	50-58°F (10-14°C)	225-300	1-2	

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, Botrytis	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, Botrytis	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.
1-2 ppp, 5-7 weeks	2-3 ppp, 7-10 weeks	4-5 ppp, 8-12 weeks	Generally not needed. B-Nine(S) 1,000-1,500 ppm can be used sparingly to tone and control spread. Florel(S) 150-200 ppm will reduce early flowering and increase branching.	Thrips, aphids	Root rot, Botrytis	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 it 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, 4-6 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 12-14 weeks	Generally not needed.	Thrips, whitefly	Botrytis, Thielaviopsis	Cool temperatures and high light will produce the best habit.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 10-14 weeks	Generally not needed.	Thrips, whitefly	Botrytis, Thielaviopsis	Cool temperatures and high light levels will produce the highest quality plants.
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	Botrytis, Thielaviopsis	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.
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.

* 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	
COLEUS	Burgundy Wedding Train, Florida Sun Rose, Lava Rose	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, Dragon Heart, Electric Lime®, French Quarter, Heartbreaker, Henna, Indian Summer, Inferno, 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	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	Ruby Punch	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 (22-26°C)	59-64°F (15-18°C)	175-225	1-2	
CUPHEA	Firecracker	5.4-5.8	6,000-12,000	71-79°F (22-26°C)	59-64°F (15-18°C)	175-225	1-2	
CUPHEA	Honeybells	5.4-5.8	6,000-12,000	70-75°F (21-24°C)	59-64°F (15-18°C)	175-225	1-2	
DIASCIA	Juliet™	5.8-6.2	5,000-8,000	62-76°F (17-24°C)	35-52°F (2-11°C)	175-225	1-2	
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 (15-18°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 (17-19°C)	225-300	1-2	

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	1-2 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	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.	Thrip, aphids, whitefly	Root rot	
1 ppp, 5-7 weeks	1-3 ppp, 6-8 weeks	4-5 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	None	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	2-5 ppp, 7-9 weeks	3-6 ppp, 10-12 weeks	Honeybells can benefit from a Bonzi(D) 2 ppm to control finished habit. Honeybells can benefit from a Florel(S) 250 ppm tank mix with Configure(S) 75 ppm to increase branching.	Whitefly, aphids	Botrytis, Root rot	Pinch as needed to shape. Fertilize regularly. Crop times will be shortest under high light.
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.
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 Botrytis.
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 Oedema.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
GERANIUM (IVY)	Precision™	5.8-6.2	2,500-4,000	65-76°F (18-24°C)	62-67°F (17-19°C)	225-300	1-2	
GERANIUM (ZONAL)	Dynamo™	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (17-19°C)	225-300	0	
GERANIUM (ZONAL)	Fantasia®	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (17-19°C)	225-300	0	
GERANIUM (ZONAL)	Galaxy™	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (17-19°C)	225-300	0	
GERANIUM (ZONAL)	Presto™	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (17-19°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 (22-24°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	
IMPATIENS (EXOTIC)	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 (15-18°C)	75-150	0	

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, 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 Oedema.
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	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. Refer to Galaxy Geranium culture recommendations at ballfloraplant.com.
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.
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, 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 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, Botrytis, Pythium	Dry culture, low to moderate nutrition, and cool temperatures will promote toned plants.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
IMPATIENS (NEW GUINEA)	Celebration	5.8-6.2	4,000-7,000	68-76°F (20-24°C)	59-64°F (15-18°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 (15-18°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	
IRESENE	Blazin' Lime, Blazin' Rose	5.8-6.2	4,000-7,000	71-79°F (22-26°C)	62-67°F (17-19°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 (22-26°C)	59-64°F (15-18°C)	175-225	1-2	
LANTANA	Bloomify™	5.8-6.2	5,000-10,000	74-85°F (23-29°C)	62-67°F (17-19°C)	225-300	1-3	
LANTANA	Landmark™, Lucky™	5.8-6.2	5,000-10,000	74-85°F (23-29°C)	62-67°F (17-19°C)	225-300	1-3	
LANTANA	Little Lucky™, New Gold, Purple Falls	5.8-6.2	5,000-10,000	74-85°F (23-29°C)	62-67°F (17-19°C)	225-300	1-3	
LOBELIA	Early Springs™	5.8-6.2	5,000-8,000	71-76°F (22-24°C)	56-61°F (13-16°C)	175-225	1-2	
LOBELIA	Waterfall™	5.8-6.2	5,000-8,000	71-76°F (22-24°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 (22-26°C)	59-64°F (15-18°C)	175-225	1-2	

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, 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, Botrytis, Pythium	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, Botrytis, Pythium	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	Pseudomonas	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	Pseudomonas	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.	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.
1-2 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, 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 ppp, 7-9 weeks	1 ppp, 9-11 weeks	4-5 ppp, 10-12 weeks	Generally not needed.	Aphids, thrips	Botrytis	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	Botrytis	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.

* 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	
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 (2-11°C)	175-225	1-2	
OSTEOSPERMUM	Blue Eyed Beauty, Blushing Beauty, Serenity™, Sunshine Beauty	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	44-55°F (7-13°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 (7-13°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	1-2	
PETUNIA	Bee's Knees, ColorBlitz™, Jelly Roll	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300	0-1	
PETUNIA	Black Magic	5.4-5.9	5,000-8,000	65-76°F (18-24°C)	53-61°F (12-16°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 (12-16°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 (12-16°C)	225-300	0-1	
PETUNIA	ColorRush™	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°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 (12-16°C)	225-300	0-1	

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, 6-8 weeks	5-6 ppp, 10-12 weeks	Plant Growth Regulators not needed when grown in high light.	Aphids, fungus gnats, slugs/snails	Botrytis, 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. Nemesis is responsive to B-Nine(S) 2,500-4,000 ppm, Sumagic(S) 20-30 ppm, and Florel(S) 200-300 ppm.	Thrips, aphids, leafminers	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, Botrytis	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, Botrytis	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	Botrytis, 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.
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	Botrytis, 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, 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, leafminers	Botrytis, 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	Botrytis, 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, leafminers	Botrytis, 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, 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	Botrytis, 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, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	This variety is extremely sensitive to growth regulators, and is naturally well-branched and compact.

* 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	
PETUNIA	Midnight Gold, Pink Diamond	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°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 (12-16°C)	225-300	0-1	
PETUNIA	Ragtime	5.8-6.2	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°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 (12-16°C)	225-300	0-1	
PETUNIA (SPREADING DOUBLE)	Double Wave®	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°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 (15-18°C)	175-225	0-1	
PLECTRANTHUS	Nico, Nicolleta, Variegata	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	56-61°F (13-16°C)	175-225	1-2	
PURSLANE	Río Grande™	5.8-6.2	5,000-10,000	71-79°F (22-26°C)	62-67°F (17-19°C)	225-300	1-2	
SALVIA	Black & Bloom, Black & Blue, Purple & Bloom, Roman Red	5.4-5.8	6,000-9,000	71-79°F (22-26°C)	59-64°F (15-18°C)	175-225	1-2	
SALVIA	Mystic Spires, Mysty, White Flame	5.8-6.2	6,000-10,000	71-79°F (22-26°C)	62-67°F (17-19°C)	175-225	1-2	
SCAEVOLA	Blue Brilliance, Blue Fan, Bondi™, White Sparkle	5.8-6.2	5,000-9,000	74-79°F (23-26°C)	59-64°F (15-18°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 (15-18°C)	175-225	1-3	
THUNBERGIA	Sunny™	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	59-64°F (15-18°C)	175-225	1-3	

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.	Thrips, leafminers, whitefly	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor pH regularly for high levels 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. B-Nine applications late in the crop time can cause instability in flower color.	Whitefly, thrips, leafminers	Botrytis, 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	Botrytis, 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, leafminers	Botrytis, 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	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	Botrytis, 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	Botrytis, Pythium, Rhizoctonia	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	Botrytis, Pythium, Rhizoctonia	Regularly allow the media to dry between waterings, particularly during cool periods. 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	Pythium, Rhizoctonia	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	Botrytis	Thunbergia is a warm-season crop that prefers night temperatures above 60°F (15°C). Pinch regularly to shape.

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TORBENIA	Summer Wave®	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	59-64°F (15-18°C)	175-225	1-2	
VERBENA	Cadet Upright™	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	62-64°F (17-18°C)	225-300	1-2	
VERBENA	EnduraScape™	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	62-64°F (17-18°C)	225-300	1-2	
VERBENA	Firehouse™	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	62-64°F (17-18°C)	225-300	1-2	
VERBENA	Burgundy Wink, Violet Wink	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	62-64°F (17-18°C)	225-300	1-2	

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, 6-8 weeks	3-5 ppp, 8-11 weeks	Generally not needed.	Whitefly, spider mites, thrips	Botrytis	Torenia is a warm-season crop that prefers night temperatures above 60°F (16°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 Florel(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.
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/Cycocel 750-1,000 ppm tank mix(S) and Florel(S) 250-300 ppm to control growth and improve plant habit.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between irrigation. Pinch as needed to shape.
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 Florel(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.

* ppp=plants per pot

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

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: Floriculture, 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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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 and Conditions

- Allows for the growing and selling of "Finished Plants," defined as plants grown in a 3-in. (7.5-cm) size pot/ container or larger.
- 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 Varieties

Commercial Name	Variety Name
Angelonia	
AngelMist® Spreading Berry Sparkler	Balangsperry
AngelMist® Spreading Bluebird	Balangspird
AngelMist® Spreading Dark Purple	Balangsparkl
AngelMist® Spreading Pink	Balangspokin
AngelMist® Spreading White	Balangspri
Archangel™ Blue Bicolor	Balarcubli
Archangel™ Cherry Red	Balarcher
Archangel™ Coral	Balarcoral
Archangel™ Dark Purple	Balarcokle
Archangel™ Dark Rose	Balarcrose
Archangel™ Light Pink	Balarcipi
Archangel™ Pink	Balarcopin
Archangel™ Purple	Balarcupr
Archangel™ Raspberry	Balarcaspin
Archangel™ White	Balarcwite

Bacopa/Sutera

MegaCopa™ Blue	Balmecoblu
MegaCopa™ Pink	Balmecopin
MegaCopa™ Pink Shine	Balmecopine
MegaCopa™ Sky Blue	Balmecosku
MegaCopa™ White	Balmecowite
Versa™ Blue	Balverlu
Versa™ Pink Shine	Balverpine
Versa™ White	Balmecoversi

Bidens

Bee Alive	Bee Alive
Bee Bold	Bee Bold
Bee Happy™ Orange	Baleenan
Bee Happy™ Red	Baleehedi
Sunbeam	KLEBF07003
Sun Drop	Balbisopin
Sun Drop Compact	Balbisopac
Sun Drop Compact Double Yellow	Balbisocdel
Sun Drop Double Yellow	Balbisdel

Brachycome

Brasco™ Violet	DBRASC9
Fresco™ Purple	DBRAFRES9
Radiant Magenta	Cherish

Bracteantha

Dreamtime® Jumbo Pure White	Bondrepuho
Dreamtime® Jumbo Red	Bondre 11100
Dreamtime® Jumbo Rose	Bondre 1051
Dreamtime® Jumbo Yellow	Oh003790

Calibrachoa

Cabaret® Bright Red	Balcabrite
Cabaret® Bright White	Balcabriv
Cabaret® Deep Blue	Balcabdebu
Cabaret® Deep Yellow	Balcabdepy
Cabaret® Diva Orange	Balcabvor
Cabaret® Golden Yellow	Balcaboldel
Cabaret® Good Night Kiss	Balcabooni
Cabaret® Hot Pink	Balcabhopi
Cabaret® Lavender	Balcablavim
Cabaret® Lemon Yellow	Balcablemy
Cabaret® Light Pink	Balcablinkim
Cabaret® Light Pink Kiss	Balcablipism
Cabaret® Midnight Blue	Balcabrightlu
Cabaret® Neon Rose	Balcabearno
Cabaret® Orange	Balcaborim
Cabaret® Pink	Balcabinkim
Cabaret® Pink Star	Balcabinsta
Cabaret® Purple	Balcabpurim
Cabaret® Red	Balcabred20
Cabaret® Rose	Balcabros20
Cabaret® Sky Blue	Balabsku
Cabaret® White	Balcabwhite
Bumble Bee Blue	Balcanumli
Bumble Bee Pink	Balcanumbi
Terracotta	Balcantera
Cha-Cha™ Deep Blue	Balchadab
Cha-Cha™ Diva Apricot	Balchadap
Cha-Cha™ Diva Hot Pink	Balchadotin
Cha-Cha™ Frosty Lemon	Balchafrem
Cha-Cha™ Tangerine	Balchatang
Conga™ Dark Blue	Balcongadu
Conga™ Deep Yellow	Balcongdel
Conga™ Light Pink Star	Balcongipar
Conga™ Orange Kiss	Balcongriass
Conga™ Pink	Balcongink
Conga™ Pink Star	Balconginar
Conga™ Red	Balcsbscarim
Conga™ Rose	Balcongossim
Conga™ Rose Kiss	Balcongossim
Conga™ Sunset Kiss	Balcongessis
Conga™ White	Balcongite

Coleus

Burgundy Wedding Train	Kakegawa CE10
Campfire	UF12221
Coleosaurus	UF104512
Electric Lime®	UF04335
FlameThrower™ Cajun Spice	UF17-11-5
FlameThrower™ Chili Pepper	UF61910
FlameThrower™ Chipotle	UF12823
FlameThrower™ Habanero	UF9837
FlameThrower™ Salsa Roja	UF159709
FlameThrower™ Salsa Verde	UF14241
FlameThrower™ Serrano	UF150628
FlameThrower™ Spiced Curry	UF12735
FlameThrower™ Sriracha	Balfamsira
French Quarter	UF134827
Heartbreaker	UF16-91-25
Henna	Balcenna
Indian Summer	Balcinsu
Interno	UF13267
Lava Rose	Kakegawa CE1
Mint Mocha	Balcimosa
Pinkplosion	UF152006
Redhead	UF0646

Ruby Punch	SAKCOL023
Ruby Slipper	UF13424
Special Effects	UF12743
Trusty Rusty	UF06419
Vino	Balcovino
Wasabi	UF0843

Cuphea

Firecracker	Firecracker
Honeybells	Balhoelrei

Diascia

Juliet™ Orange	Baljolirim
Juliet™ Pink	Baljolink
Juliet™ Red	Baljolud
Juliet™ Rose	Baljolose
Juliet™ White	Baljolitim

Euphorbia

Breathless® Blush	Balbreblus
Breathless® White	Balbrewite

Impatiens, Compact

SunPatens® Compact Blush Pink	SAKIMP013
SunPatens® Compact Coral Pink	SAKIMP042
SunPatens® Compact Deep Rose	SAKIMP017
SunPatens® Compact Electric Orange	SAKIMP025
SunPatens® Compact Fire Red	SAKIMP039
SunPatens® Compact Hot Coral	SAKIMP026
SunPatens® Compact Hot Pink	SAKIMP061
SunPatens® Compact Lilac	SAKIMP012
SunPatens® Compact Orange	SAKIMP011
SunPatens® Compact Orchid Blush	SAKIMP054
SunPatens® Compact Pink Candy	SAKIMP046
SunPatens® Compact Purple	SAKIMP044
SunPatens® Compact Red	SAKIMP030
SunPatens® Compact Rose Glow	SAKIMP059
SunPatens® Compact Royal Magenta	SAKIMP029
SunPatens® Compact Tropical Rose	SAKIMP037
SunPatens® Compact White	SAKIMP027

Impatiens, Double

Fiesta™ Appleblossom	Balfiepios
Fiesta™ Burgundy	Balfiebur
Fiesta™ Coral Orange	Balfiecoran
Fiesta™ Deep Orange	Balfiedeor
Fiesta™ Lavender Orchid	Balfielavori
Fiesta™ Pink Ruffle	Balfieruffe
Fiesta™ Purple	Balfieprim
Fiesta™ Salsa Red	Balfiesaled
Fiesta™ Sparkler Cherry	Balfiespray
Fiesta™ Sparkler Hot Pink	Balfiesink
Fiesta™ Stardust Pink	Balfiestarp
Fiesta™ Stardust Purple	Balfiesunne
Fiesta™ Sunrise Red	Balfiesunne
Fiesta™ White	Balfiewite
Fiesta Bonita™ Burgundy	Balboniburg
Fiesta Bonita™ Cherry	Balbonicher
Fiesta Bonita™ Pink	Balbonipink
Fiesta Bonita™ Rose	Balbonirose
Fiesta Bonita™ Salmon	Balbonisal
Fiesta Bonita™ Stardust Lavender	Balbonistar
Fiesta Bonita™ White	Balboniwite

Impatiens, Vigorous

SunPatens® Vigorous Clear White	SAKIMP036
SunPatens® Vigorous Corona	SAKIMP008
SunPatens® Vigorous Lavender Splash	SAKIMP058
SunPatens® Vigorous Orange	SAKIMP056
SunPatens® Vigorous Orchid	SAKIMP053
SunPatens® Vigorous Pink Kiss	SAKIMP043
SunPatens® Vigorous Red	SAKIMP048
SunPatens® Vigorous Rose Pink	SAKIMP052
SunPatens® Vigorous Salmon V/L	SAKIMP005
SunPatens® Vigorous Shell Pink	SAKIMP035
SunPatens® Vigorous Tropical Orange	SAKIMP055
SunPatens® Vigorous White V/L	SAKIMP018

Impatiens walleriana

Patchwork™ Cosmic Burgundy	Balpacum
Patchwork™ Cosmic Orange	Balpacorg
Patchwork™ Peach Prism	Balpacpsmi
Patchwork™ Pink Shades	Balpacinade

Ipomoea

SolarPower™ Black	Balsolabim
SolarPower™ Black Heart	Balsolabart
SolarPower™ Lime	Balsolalmi
SolarPower™ Lime Heart	Balsolalmart
SolarPower™ Red	Balsolared
SolarPower™ Red Heart	Balsolaredar
SolarTower™ Black	Balsotowac
SolarTower™ Lime	Balsotowim
Spotlight™ Black	Balspotack
Spotlight™ Black Heart	Balspotbart
Spotlight™ Lime	Balspotime
Spotlight™ Lime Heart	Balspotimart
Spotlight™ Red	Balspotred
Spotlight™ Red Heart	Balspotredart

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.

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EXPORT CONTROL. 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 EMBARGOES (INCLUDING BUT NOT LIMITED TO OFAC SANCTIONS PROGRAMS AND THOSE LISTED ON OFAC'S "SPECIALLY DESIGNATED NATIONALS" LIST) WITHOUT AN APPROPRIATE EXPORT LICENSE.

DISCONTINUED BALL FLORAPLANT VARIETIES FOR 2021

VARIETY	RECOMMENDED REPLACEMENT
Brachyscome Amethyst	Brachyscome Fresco™ Purple
Brachyscome Enduring Blue	Brachyscome Brasco™ Violet
Calibrachoa Can-Can® Bumble Bee Blue	Calibrachoa Bumble Bee Blue
Calibrachoa Can-Can® Bumble Bee Pink	Calibrachoa Bumble Bee Pink
Calibrachoa Can-Can® Dark Purple	Calibrachoa Cha-Cha™ Dark Blue
Calibrachoa Can-Can® Hot Pink Star	Calibrachoa Bumble Bee Pink
Calibrachoa Can-Can® Magenta Kiss	Calibrachoa Cha-Cha™ Diva Hot Pink
Calibrachoa Can-Can® Orange	Calibrachoa Cha-Cha™ Tangerine
Calibrachoa Can-Can® Terracotta	Calibrachoa Terracotta
Calibrachoa Conga™ Coral Kiss	Calibrachoa Conga™ Orange Kiss
Calibrachoa Conga™ Lavender	Calibrachoa Conga™ Dark Blue
Geranium, Zonal Fantasia® Pink Flare	Geranium, Zonal Fantasia® Strawberry Sizzle
Geranium, Zonal Dynamo™ Dark Red	Geranium, Zonal Dynamo™ Dark Red Improved
Geranium, Zonal Dynamo™ Salmon	Geranium, Zonal Dynamo™ Salmon Improved
Geranium, Zonal Presto™ Brilliant Red	Geranium, Zonal Presto™ Brilliant Red Improved
Geranium, Zonal Presto™ Dark Fuchsia	Geranium, Zonal Presto™ Violet Improved
Geranium, Zonal Presto™ Rose Sizzle	Geranium, Zonal Presto™ Rose Flare
Geranium, Zonal Presto™ Dark Salmon	Geranium, Zonal Presto™ Orange
Geranium, Zonal Presto™ Violet	Geranium, Zonal Presto™ Violet Improved
Impatiens Fusion™ Heat Coral	No Replacement in BFP Catalog
Impatiens Fusion™ Glow Yellow	No Replacement in BFP Catalog
Impatiens SunPatens® Compact Neon Pink	Impatiens SunPatens® Compact Hot Pink
Impatiens SunPatens® Compact Orchid	Impatiens SunPatens® Compact Orchid Blush
Impatiens SunPatens® Compact Pink	Impatiens SunPatens® Compact Hot Pink
Impatiens SunPatens® Desert Sun Mix	Impatiens SunPatens® Summer Salsa Mix
Impatiens SunPatens® Kiss'n Cousins Mix	Impatiens SunPatens® Lovebird Mix Improved
Impatiens SunPatens® Lovebird Mix	Impatiens SunPatens® Lovebird Mix Improved
Impatiens SunPatens® Vigorous Clear Orange	Impatiens SunPatens® Vigorous Orange
Impatiens SunPatens® Vigorous Lavender	Impatiens SunPatens® Vigorous Orchid
Impatiens SunPatens® Vigorous Lavender Bicolor	Impatiens SunPatens® Vigorous Lavender Splash
Lantana Dallas Red	Lantana Landmark™ Red
Lantana Lucky™ Lemon Glow	Lantana Lucky™ White
Lantana Lucky™ Pure Gold	Lantana Lucky™ Pot Of Gold
Lantana Purple Trailing	Lantana Purple Falls
MixMasters™ Berried Treasure	MixMasters™ 5 Alarm Chili
MixMasters™ Bloom of Allegiance	MixMasters™ Bloom of Allegiance Improved
MixMasters™ Circus Parade	MixMasters™ Color Magic Improved
MixMasters™ Feelin' Lucky	MixMasters™ Lucky Charm
MixMasters™ Ladylike	MixMasters™ 5 Alarm Chili
MixMasters™ Loving Licorice	MixMasters™ Bloom of Allegiance Improved
MixMasters™ Paradise Sunrise	MixMasters™ Paradise Sunrise Improved
MixMasters™ Peach of My Heart	MixMasters™ Peach of My Heart Improved
MixMasters™ Porch Patriot	MixMasters™ Porch Patriot Improved
MixMasters™ Shindig	MixMasters™ Shindig Improved
MixMasters™ Shooting Comet	MixMasters™ 5 Alarm Chili
MixMasters™ Summer Blues	MixMasters™ Summer Bouquet
MixMasters™ Summer Fest	MixMasters™ Shindig Improved
MixMasters™ Sunnyside	MixMasters™ Sunnyside Improved
MixMasters™ Tiki Masala	MixMasters™ 5 Alarm Chili
Petchoa SuperCal® Crimson Red	Petchoa SuperCal® Royal Red
Petunia Double Wave® Blue Vein	Petunia Double Wave® Purple
Scaevola Brilliant	Scaevola Blue Brilliance
Verbena Cadet Upright™ Hot Pink Wink	Verbena Cadet Upright™ Hot Pink Wink Improved
Verbena Cadet Upright™ Lavender Blue	Verbena Cadet Upright™ Lavender Blue Improved
Verbena Cadet Upright™ Red	Verbena Cadet Upright™ Red Improved
Verbena EnduraScape™ Purple	Verbena EnduraScape™ Purple Improved
Verbena EnduraScape™ Red	Verbena EnduraScape™ Red Improved
Verbena Firehouse™ Purple Fizz	Verbena Firehouse™ Purple Fizz Improved

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