

Baïi FloraPlant®



2020





MIKE KLOPMEYER

President



JASON TWADDELL

Sales and Marketing Manager

WORKING toward a COMMON GOAL

Growing your success is our focus. To reach this goal, the Ball FloraPlant team brings the **newest and highest-quality products** to market after extensive trialing, testing for regionality concerns and developing culture regimes. We want to ensure you'll experience the best performance from every plant you grow.

To help you find **expert growing solutions**, we've gathered in-depth culture information, including our BFPTV

instructional videos and more. It's all available at **ballfloraplant.com**.

Making sure you have the plants you need when and where you need them is our main focus at Ball FloraPlant, and you can rely on our supply chain to **fulfill your order on time every time**.

In these ways and more, you'll benefit from the commitment to quality, to performance and to your success when you partner with us. Expect only the best from Ball FloraPlant.



NEW

**CABARET®
DIVA ORANGE
CALIBRACHOA**

Novel variety brings a color-changing pattern to the series for larger pots.

page 45



NEW

**GALAXY™
WATERMELON
ZONAL
GERANIUM**

Vigorous new series looks great in large containers and landscapes all season long.

page 67



NEW

**COLORRUSH™
MERLOT STAR
PETUNIA**

The series expands with 4 new colors offering big vigor and superstar performance!

page 109



FRONT COVER:

Las Limas
NEW MixMasters™ Rush Hour
NEW Cabaret® Good Night Kiss
Calibrachoa

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ICONS



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.





KRIS CARLSSON

Product Launch and Assortment Manager



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

TRIALED and APPROVED



Setting the Standard

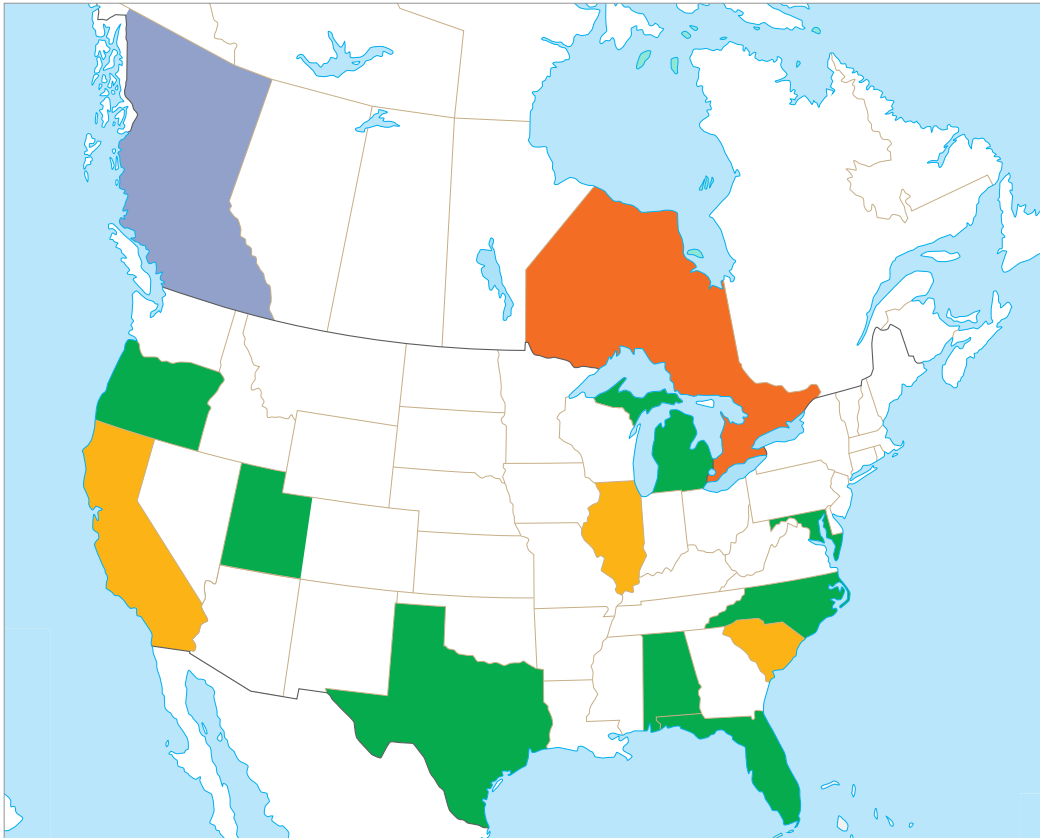
Before we consider launching a new variety, it has to meet our minimum trial standards. This 'checklist' includes performance characteristics required for a passing grade in our greenhouse and outdoor trials in various regions. These trials consist of our own trial locations and growers across the country.



Ball **FloraPlant**®

Expanding Our Trial Sites

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



2013 TRIAL SITES:

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

ADDED TRIAL SITES in 2014:

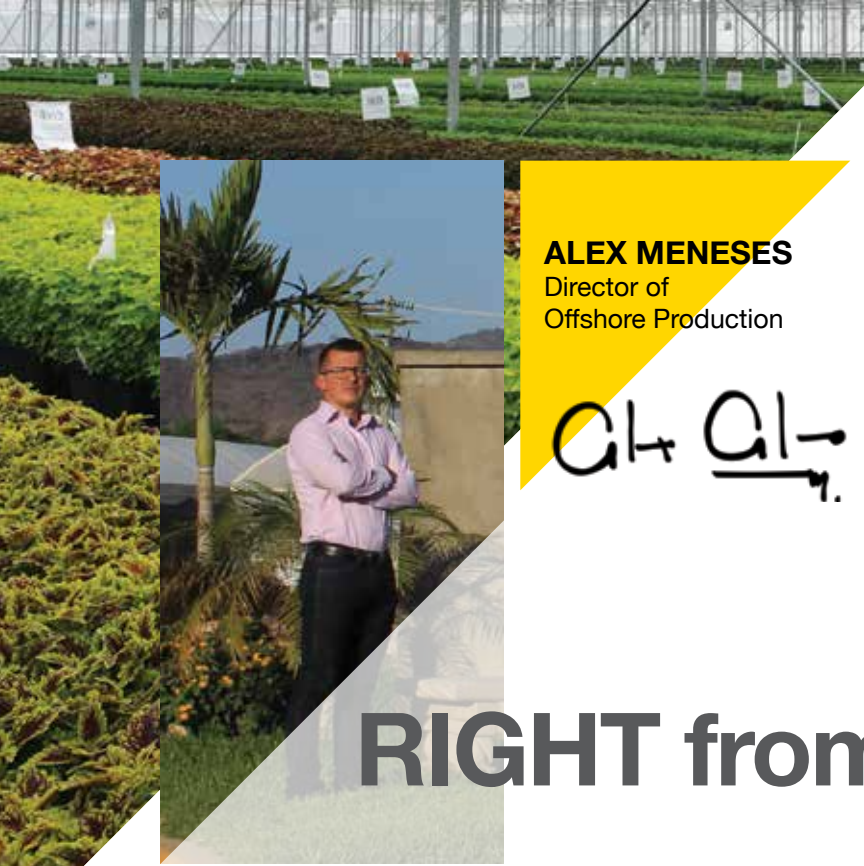
- ▶ **Costa Farms,** Miami, FL
- ▶ **Pure Beauty,** Miami, FL
- ▶ **Plant Odyssey,** Kyle, TX
- ▶ **Olson's Greenhouse Gardens,** Salem, UT
- ▶ **Bell Nursery,** Burtonsville, MD
- ▶ **Metrolina Greenhouses,** Huntersville, NC
- ▶ **Masterpiece Flower Company,** Byron Center, MI
- ▶ **Mast Young Plants,** Grand Rapids, MI
- ▶ **Smith Gardens,** Marysville, WA
- ▶ **Young's Plant Farm,** Auburn, AL

ADDED TRIAL SITE in 2018:

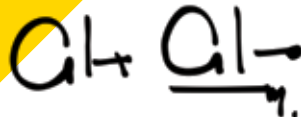
- ▶ **George Sant & Sons Greenhouses,** Kleinburg, ON Canada

ADDED TRIAL SITE in 2019:

- ▶ **Rainbow Greenhouses,** Chilliwack, BC Canada



ALEX MENESES
Director of
Offshore Production



Las Limas

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

This **state-of-the-art facility** was designed to **prevent insects, diseases and bacteria** from entering the greenhouses. For **sustainability**, the farm grows in reusable, sterilized volcanic rock, and recycles and sterilizes water before reuse.

RIGHT from THE SOURCE

UNROOTED Supply



Floricultura

Our **highly skilled labor force** makes sure every bag of cuttings is tracked, and approximately 15 percent of all bags are inspected for **accuracy of count and quality**. Once the cuttings are bagged, our goal is to deliver them **within 36 to 48 hours**.



Floricultura

Floricultura is the source for **Ball FloraPlant geraniums**, and it is the sole provider of **Genesis™ direct-stick callused cuttings**.

This facility, located in Guatemala, presents the ideal climate for producing strong geranium cuttings and the best callused program. Growers continue to choose Genesis based on the benefits of **reduced labor and input costs, shortened crop time and less shrink**.

MPS-A Certified

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

Ball FloraPlant®



JASON TWADDELL
Sales and Marketing
Manager of
North America



Ball FloraPlant Delivers

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

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

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

WHAT YOU NEED, WHEN YOU NEED IT

ROOTED Supply

Suppliers by region

CALIFORNIA

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

COLORADO

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

GEORGIA

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

MARYLAND

Greenstreet Growers
Lothian, Maryland (SG, MM)

MICHIGAN

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

Tuinier Brothers Greenhouses
Kalamazoo, Michigan (GE, SG)

MINNESOTA

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

NEW HAMPSHIRE

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

NEW YORK

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

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

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

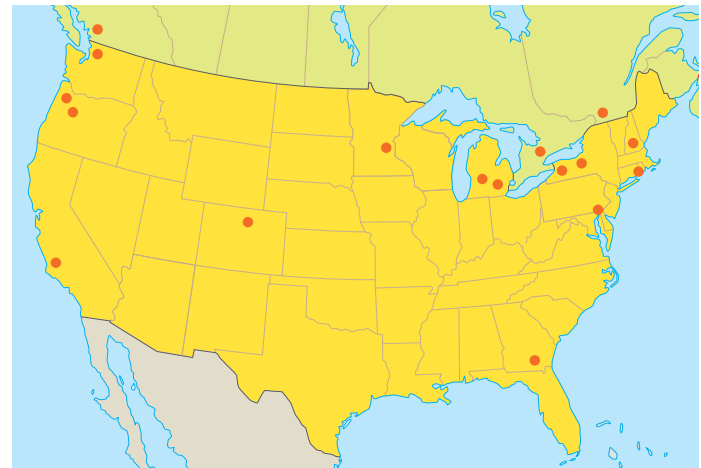
OREGON

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

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

WASHINGTON
(Also Western Canada)

Van Wingerden Greenhouses
Blaine, Washington (GE, SG, MM)



CANADA

ONTARIO

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

QUEBEC

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



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

MixMasters™

Combining perfectly mastered colors and greater genetic diversity



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 figures in the mix, including unique textures, fragrances, common water requirements and pollinator appeal.

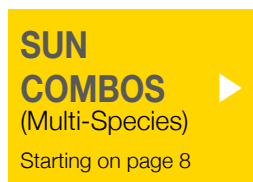
When our team of experts sets out to create new recipes for the program, they also consider the following factors:

- **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.

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

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.



A Grape Fit! Improved



Bejeweled Improved



Berry Basket



Big Flirt



Circus Parade Improved



Color Magic Improved



Cotton Tail



Eye Caramba



Fashionista



Gimme Some Sugar



Heartland Improved



I Heart Pink



Jazzberry Jam Improved



Mambo Improved



Over The Top



Paradise Sunrise



Peach of My Heart



Pink Outside The Box Improved



Rosé Everyday Improved



Santa Fe Sunset Improved



Shoot the Breeze



Sunnyside



Sweet Escape

SUN COMBOS ▶
(Mono)
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Fruit Cocktail Improved 18



Laguna Beach Improved 19



Rush Hour 23



Love Me Tender 22



Panorama Improved 18



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Rainbow Bright 22



Rush Hour 23



Spirits United 20



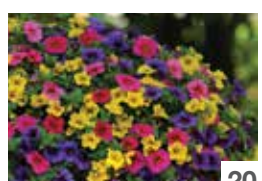
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SHADE COMBOS ▶
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Ladylike 27



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SUN COMBOS

(Multi-Species)

NEW A Grape Fit! Improved ●

Calibrachoa Cabaret Hot Pink
Petunia Sun Spun Lavender Star
Verbena Firehouse Purple

NEW Bejeweled Improved ●

Calibrachoa Cabaret Deep Yellow
Petunia Sun Spun Burgundy
Verbena Firehouse Purple



A Grape Fit! Improved



Bejeweled Improved



Berry Basket



Big Flirt

SUN COMBOS (Multi-Species)

Berry Basket ●

Calibrachoa Cabaret White
Petunia Sun Spun Burgundy
Verbena Aztec Burgundy Wink

Big Flirt ●

Petchoa SuperCal Pink Ice
Petunia ColorRush Blue
Verbena EnduraScape Pink Bicolor

SUN COMBOS

(Multi-Species)

Cotton Tail ●

Calibrachoa Cabaret White
Petunia Sun Spun White
Verbena Firehouse White

NEW Circus Parade Improved ●

Bidens Sunbeam
Lobelia Waterfall Blue
Verbena Firehouse Red

NEW Color Magic Improved ●

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



Cotton Tail



Circus Parade Improved



Color Magic Improved



Eye Caramba

SUN COMBOS (Multi-Species)

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



Fashionista



Gimme Some Sugar



SUN COMBOS

(Multi-Species)

NEW Heartland Improved ●

Lobelia Early Springs Sky Blue

Petunia Sun Spun White

Verbena Firehouse Red

I Heart Pink ●

Calibrachoa Cabaret Light Pink

Petunia Sun Spun Pink

Verbena MixMasters Hot Pink



Heartland Improved



I Heart Pink



Jazzberry Jam Improved



Mambo Improved

SUN COMBOS (Multi-Species)

NEW Jazzberry Jam Improved ●

Calibrachoa Cabaret White
Petunia Sun Spun Burgundy
Verbena Firehouse Purple

NEW Mambo Improved ●

Bidens Sun Drop
**NEW Calibrachoa Cabaret Orange
Improved**
Petunia Sun Spun Neon Pink



SUN COMBOS

(Multi-Species)

NEW Peach of My Heart ●

Calibrachoa Cabaret Deep Yellow
Impatiens SunPatiens Vigorous
Clear Orange
Verbena EnduraScape Blue

Over The Top ●

Calibrachoa Cabaret Deep Yellow
Petunia Sun Spun Blue
Verbena Burgundy Wink



Peach of My Heart



Over The Top



Paradise Sunrise

SUN COMBOS (Multi-Species)

Paradise Sunrise ●

Calibrachoa Cabaret Deep Yellow
Petunia ColorBlitz Pinkceptional
Verbena Firehouse White

NEW Pink Outside The Box Improved ●

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

NEW Rosé Everyday Improved ●

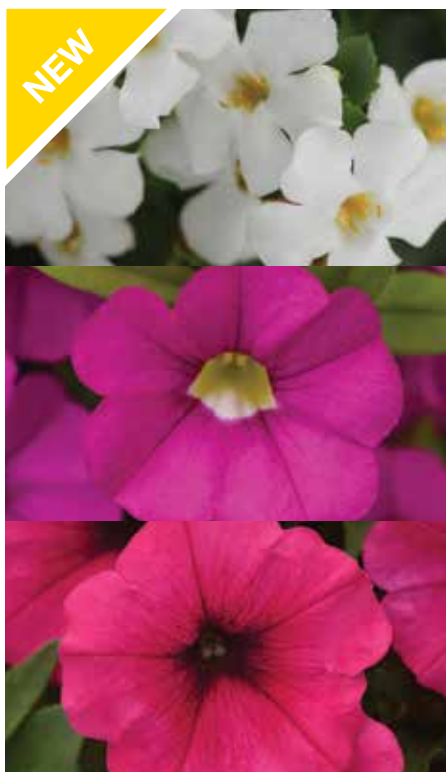
Bacopa MegaCopa White

NEW Calibrachoa Cabaret Pink Improved

Petunia Sun Spun Neon Pink



Pink Outside The Box Improved



Rosé Everyday Improved

SUN COMBOS

(Multi-Species)

NEW Santa Fe Sunset Improved ●

Bidens Sunbeam
Calibrachoa Can-Can Terracotta
Verbena Firehouse Purple

NEW Shoot the Breeze ●

Calibrachoa Cabaret Light Pink
Calibrachoa Cabaret Midnight Blue
Lobularia Easy Breezy White



Santa Fe Sunset Improved



Shoot the Breeze



Sunnyside



Sweet Escape

SUN COMBOS (Multi-Species)

Sunnyside ●

Calibrachoa Cabaret Deep Yellow
Petunia Sun Spun Yellow
Verbena Firehouse White

Sweet Escape ●

Calibrachoa Cabaret Light Pink
Petunia Sun Spun Yellow
Verbena Burgundy Wink



SUN COMBOS

(Mono Species)

Cherry Plum Tart ●

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

NEW Fruit Cocktail Improved ●

NEW Calibrachoa Cabaret Orange Improved

Calibrachoa Cabaret Deep Yellow
Calibrachoa Cabaret Hot Pink

NEW Panorama Improved ●

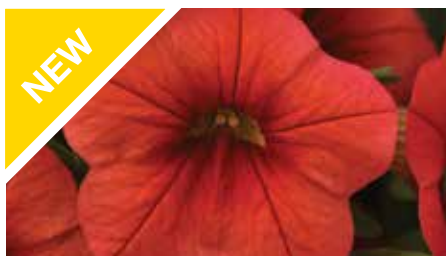
Calibrachoa Cabaret Purple

NEW Calibrachoa Cabaret Rose Improved

Calibrachoa Cabaret White



Cherry Plum Tart



Fruit Cocktail Improved



Panorama Improved

Cabaret



Laguna Beach Improved

SUN COMBOS

(Mono Species)

- NEW** Laguna Beach Improved ●
- NEW** Calibrachoa Cabaret Orange Improved
- NEW** Calibrachoa Cabaret Red
Calibrachoa Cabaret Sky Blue
- NEW** Playdate Improved ●
- Calibrachoa Cabaret Deep Yellow
- Calibrachoa Cabaret Purple
- NEW** Calibrachoa Cabaret Rose Improved



Playdate Improved

Cabaret

SUN COMBOS

(Mono Species)

Sprinkles On Top ●

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

Spirits United ●

Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Deep Blue
Calibrachoa Cabaret White

Spring Showers ●

Calibrachoa Cabaret Lemon
Calibrachoa Cabaret Light Pink
Calibrachoa Cabaret Sky Blue

Sundance ●

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



Sprinkles On Top



Spirits United



Spring Showers



Sundance

Cabaret



Sweet Melody

SUN COMBOS

(Mono Species)

Sweet Melody ●

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

NEW Tropicali Improved ●

Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Deep Yellow

NEW Calibrachoa Cabaret Orange Improved

Tea Party ●

Calibrachoa Cabaret Lemon Yellow
Calibrachoa Cabaret Pink Star



Tropicali Improved



Tea Party

Cabaret



SUN COMBOS

(Mono Species)

NEW Love Me Tender ●

Calibrachoa Conga Deep Yellow
Calibrachoa Conga Rose Kiss

NEW Rainbow Bright ●

Calibrachoa Conga Dark Blue
Calibrachoa Conga Deep Yellow
Calibrachoa Conga Rose

NEW Summer Cocktail ●

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

NEW Sunshine State ●

Calibrachoa Conga Deep Yellow
Calibrachoa Conga Sunset Kiss



Love Me Tender



Rainbow Bright



Summer Cocktail



Sunshine State

Conga



Rush Hour



Tart Deco

SUN COMBOS

(Mono Species)

NEW Rush Hour ●

Petunia ColorRush Pink

Petunia ColorRush Pink Vein

Tart Deco ●

Petunia ColorRush Blue

Petunia ColorRush Pink

ColorRush

HEAT- LOVING COMBOS

Feelin' Lucky ●

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

Lucky Charm ●

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

Loving Licorice ●

- Angelonia AngelMist Spreading White
- Helichrysum Licorice
- Lamium Jade Frost

Shindig ●

- Angelonia Archangel Dark Purple
- Lantana Lucky Red
- Scaevola Brilliant

NEW Bloom Of Allegiance ●

- Angelonia AngelMist Spreading White
- Lantana Lucky Red
- Scaevola Brilliant

NEW Porch Patriot ●

- Angelonia Archangel Raspberry
- Lantana Lucky Yellow
- Scaevola Brilliant

Summer Blues ●

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

Summer Bouquet ●

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

Summer Fest ●

- Angelonia AngelMist Spreading Dark Purple
- Scaevola White Sparkle



Feelin' Lucky



Lucky Charm



Loving Licorice



Shindig



Bloom Of Allegiance



Porch Patriot



Summer Blues



Summer Bouquet



Summer Fest



SUN & SHADE COMBOS

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

The Whole Enchilada ● ●

Coleus FlameThrower Habanero
Coleus FlameThrower Salsa Verde

Tiki Masala ● ●

Coleus FlameThrower Chili Pepper
Coleus FlameThrower Spiced Curry

Vindaloo Vision ● ●

Coleus FlameThrower Chipotle
Coleus FlameThrower Salsa Verde
Coleus FlameThrower Spiced Curry



5 Alarm Chili



Peppery Perfection



The Whole Enchilada



Tiki Masala



Vindaloo Vision



Berried Treasure



Ladylike



Shooting Comet

SHADE COMBOS

Berried Treasure ●

Helichrysum Licorice
Impatiens Patchwork Cosmic Burgundy
Lamium White Nancy

Ladylike ●

Impatiens Fiesta Bonita White
Lamium Jade Frost
Lamium White Nancy

Shooting Comet ●

Impatiens Patchwork Cosmic Burgundy
Impatiens Patchwork Cosmic Orange



ANGELONIA

Archangel™

Angelic in the heat, with the biggest blooms, too



Top left: NEW Coral

Center: NEW MixMasters Porch Patriot
with Raspberry, Lucky Yellow Lantana
and Brilliant Scaevola

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.

NEW Coral: First in this color class! Vibrant, bright coral color holds its beauty in all climates and conditions, plus it has a great habit that matches Blue Bicolor.

ANGELONIA

AngelMist® Spreading

Heavenly display in baskets and landscapes

SEASON
EXTENDER



Top left: Berry Sparkler

Center: Bluebird

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.



'Amethyst' Brachyscome

BRACHYSCOME ●
Brachyscome hybrida

'Amethyst'

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

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

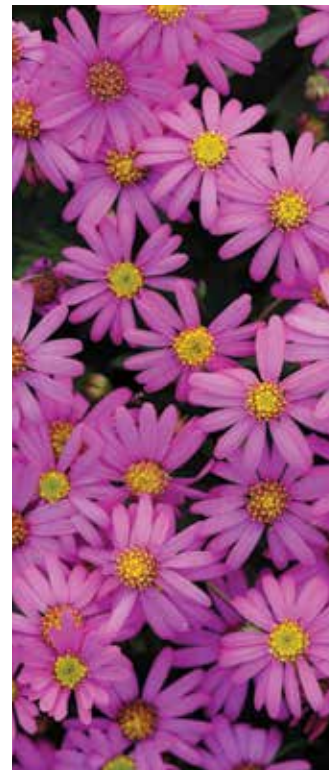


'Enduring Blue' Brachyscome

'Enduring Blue'

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

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



Radiant Magenta Brachyscome

Radiant Magenta

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

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



Red Improved

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.

NEW Red Improved: Red bicolor bidens offers a great improvement on habit and branching compared to original Bee Happy.

NEW Orange: Great habit that matches well with NEW Red Improved.



Orange

Bee Happy™

BIDENS

Bee Alive & Bee Bold

Fill small pots, large pots and baskets with this pair



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 and Center: 'Bee Alive'

Bottom right: 'Bee Bold'



Sun Drop Compact



Sun Drop

BIDENS ●
Bidens ferulifolia

Sun Drop Compact

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

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

Sun Drop

Height: 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.

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.



Sunbeam

Sun Drop & Sunbeam

BACOPA

NEW Versa™

More upright, less tangling, better sell-through



James Doukas
Territory Manager Great Lakes
and Northeast Regions

The Versa™ Series of bacopa was selected for a more upright habit specifically for quart and 4-in. (10-cm) pot production. This semi-upright sutera habit does not tangle when grown pot-tight in a quart. This high-quality, non-tangling series will provide better sell-through at retail. In addition, Versa's upright habit hides older flowers better than other varieties and has more flower cover in a smaller container.

North Region

Versa varieties were selected for their reduced need for PGRs. We found in trials that an early Cycocel 750 ppm spray application approximately 2 weeks after transplant or Bonzi 3 ppm drench 4 weeks after transplant are options that work well.

South Region

Versa Bacopa did not need PGR treatments when average daily temperatures (ADT) were kept at 50°F (10°C) or lower.



MegaCopa White on the left,
Versa White on the right



White



Blue



Pink Shine



White



White

BACOPA ●
Sutera cordata

NEW 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.

Series includes White (formerly MegaCopa Versa White).

BACOPA

MegaCopa™

Blockbuster blooms power through the heat



Rebecca Tashiro
Breeder

MegaCopa for mega-success

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

Regional culture recommendations

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

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



Top: White
Bottom: Blue



Control



Cycocel 750 ppm Spray



Bonzi 3 ppm Drench



Pink Improved



Pink Shine



White



Sky Blue



Blue



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

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.

NEW Pink Improved: Offers better garden performance than original Pink.

NEW Pink Shine: Provides garden performance to match Pink Improved.

BRACTEANTHA


Dreamtime®

Big, dreamy blooms perk up early-season sales

GENESIS™

Top: Jumbo Yellow

Bottom: Jumbo Rose

BRACTEANTHA 
Bracteantha bracteatum

Dreamtime®

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

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

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

Makes a high-impact retail display.

Excellent tolerance for cool temperatures.

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

Also available as Genesis direct-stick callused cuttings.

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



Jumbo Rose



Jumbo Red



Jumbo Pure White



Jumbo Yellow



CALIBRACHOA

Conga™

The conga line starts here for compact color bowls



Laura Masor
Breeder

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

North Region

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



South Region

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

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

Find more detailed culture information at ballfloraplant.com.



Top: NEW MixMasters Summer Cocktail featuring Dark Blue, Deep Yellow and Orange Kiss

Bottom: NEW Light Pink Star



CALIBRACHOA



Light Pink Star



Pink Star



Dark Blue



Lavender



Red



Orange Kiss



Pink

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.

NEW Light Pink Star and NEW Pink Star: Unique flower patterns in calibrachoa, with a habit that matches the bicolors in the series.



Rose Kiss



Rose



Sunset Kiss



Coral Kiss



Deep Yellow



White

CALIBRACHOA


Cabaret®

Right on beat for better baskets



Jason Twaddell
Sales and Marketing Manager

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

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



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



Top: MixMasters Spirits United featuring Bright Red, Deep Blue and White

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

CALIBRACHOA



Bright White



Diva Orange



Good Night Kiss



Red



Light Pink Kiss Improved



Orange Improved



Pink Improved



Rose Improved



Golden Yellow



Neon Rose



Midnight Blue



Sky Blue



Lavender

CALIBRACHOA *Calibrachoa hybrida*

Cabaret®

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

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

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

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

Most varieties flower with 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.

NEW Bright White: Exceptional consumer garden performance compared to market leaders.

NEW Diva Orange:

Brings an interesting color-changing pattern to the series.

NEW Good Night Kiss:

Novel pattern features a star center.

NEW Light Pink Kiss

Improved: Features a larger flower than the original genetic.

NEW Orange Improved: Holds its orange color at a much higher pH compared to original Orange and all other genetics on the market. Offers cleaner foliage compared to Orange, even when grown under dark, cool greenhouse temperatures.

NEW Pink Improved:

Radiant pink color brightens up Spring basket production.

NEW Red: Has a larger flower than Bright Red and flowers earlier.

NEW Rose Improved:

Has a larger flower and roots faster than original Rose.



Pink Star



Light Pink



Lemon Yellow



Purple



Deep Blue



Deep Yellow



Bright Red



White



Hot Pink

CALIBRACHOA

Can-Can[®]

Kicks up larger baskets with cool colors and patterns



Top left: NEW Bumble Bee Blue

Bottom: Bumble Bee Pink

CALIBRACHOA

CALIBRACHOA ●

Calibrachoa hybrida

Can-Can®

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

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

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

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

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

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

NEW Bumble Bee Blue:

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



Bumble Bee Blue



Bumble Bee Pink



Hot Pink Star



Orange



Terracotta



Dark Purple



Magenta Kiss

SUN AND SHADE

Coleus

Colossal color and eye-popping patterns

SEASON
EXTENDER



Manda Vuksanaj
Territory Manager
Midwest/West Coast

Focus on the vigor

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

VIGOROUS

VIGOROUS

French Quarter
Redhead
Trusty Rusty
Vino
Wasabi

MEDIUM

MEDIUM

Campfire
Coleosaurus
Electric Lime®
Henna
Indian Summer
Inferno
Pinkplosion

COMPACT

COMPACT

Mint Mocha
NEW Heartbreaker
Mint Mocha
Ruby Slipper
Special Effects



COLEUS ●●●

Solenostemon scutellarioides

Stunning colors and patterns for full sun and shade.

Versatile, premium varieties are very late to never flowering.

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

Top: NEW Heartbreaker

Bottom:
Coleosaurus



VIGOROUS COLEUS

VIGOROUS



French Quarter



Redhead



Trusty Rusty

VIGOROUS

French Quarter

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

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

Redhead

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

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

Trusty Rusty

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

Copper leaves are outlined in golden yellow. Large-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.



Wasabi



Vino

MEDIUM COLEUS

MEDIUM

MEDIUM

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.

Electric Lime®

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

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

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

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

Henna

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

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

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



Campfire



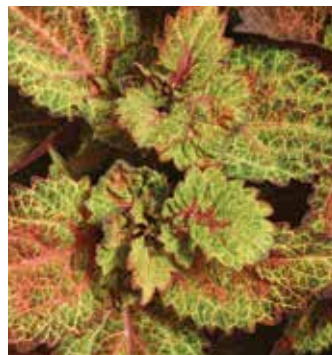
Coleosaurus



Electric Lime



Henna



Indian Summer

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

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

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. Vigorous habit matches Inferno and Campfire, on the medium-vigor end of the assortment.

COMPACT COLEUS



Heartbreaker



Mint Mocha

COMPACT

COMPACT

COLEUS ●●

Solenostemon scutellarioides

NEW 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 Slipper

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

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

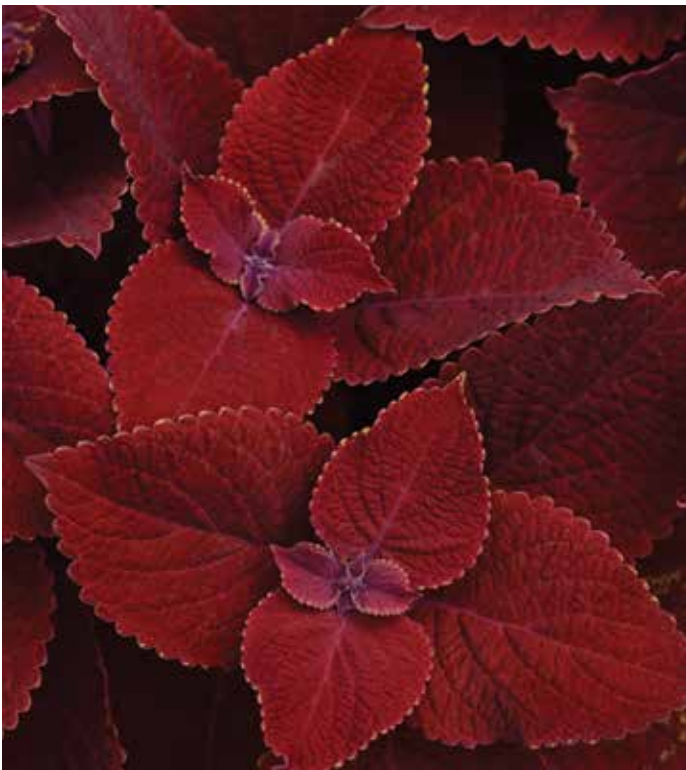
Darker, more red version of Redhead. More compact and better branched than other red varieties. Works well in-ground and in containers in full sun and full shade.

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.



Ruby Slipper



Special Effects

COLEUS

FlameThrower™

Create sparks in small pots and mixes

SEASON
EXTENDER



Ryan Kenny
Culture Research Technician

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

Western Region

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

Midwest, Canada and Northeast Region

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

South and Southeast Region

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



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



Top: FlameThrower Chili Pepper

Bottom: MixMaster Vindaloo Vision featuring Chipotle, Salsa Verde and Spiced Curry



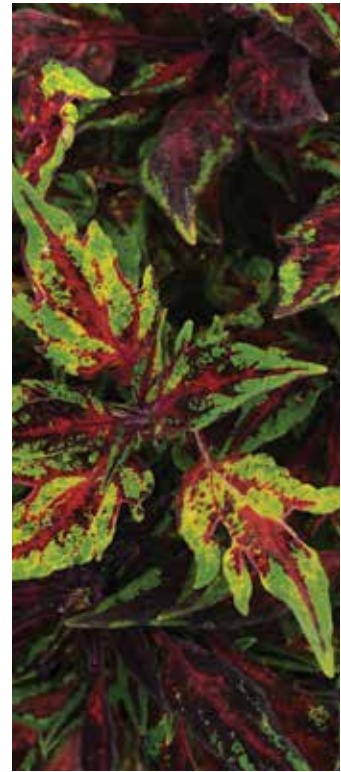
Serrano



Salsa Roja



Salsa Verde



Chili Pepper



Spiced Curry



Habanero



Chipotle

COLEUS ●●

Solenostemon scutellarioides

FlameThrower™

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

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

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

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

Great garden performance in sun and shade.



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

COLEUS



Ruby Punch

COLEUS ● ●
Solenostemon hybrida

NEW 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.

Burgundy Wedding Train

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

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

Lava Rose

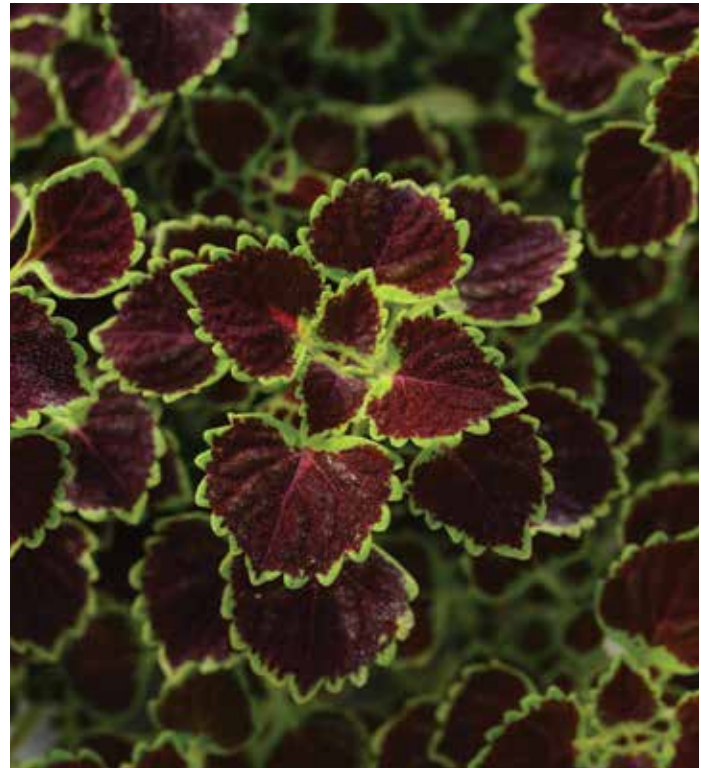
Height: 6 to 10 in. (15 to 25 cm)
Spread: 18 to 24 in. (46 to 61 cm)

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

Florida Sun Rose

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

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



Burgundy Wedding Train



Lava Rose



Florida Sun Rose



Breathless Blush Euphorbia



Breathless White Euphorbia



Breathless White Euphorbia



'Blue Daze' Evolvulus

EUPHORBIA ● ●
Euphorbia hypericifolia

Breathless®

White:

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

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

Blush:

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

Spread: 20 to 24 in. (50 to 60 cm)

Durable Breathless fills in fast.

Long-lasting plants require little water and no deadheading.

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

Available as unrooted cuttings and rooted liners.

EVOLVULUS ● ●
Evolvulus nuttallianus

'Blue Daze'

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

Spread: 18 to 20 in. (46 to 51 cm)

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

CUPHEA

CUPHEA ● ●

Cuphea hybrida

NEW 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. This exciting new Summer item will drive more sales at retail, as a new cuphea for the consumer who knows and loves this class.

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'

DIASCIA

DIASCIA 
Diascia barberae



Juliet™

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

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

Super-uniform across all varieties for habit and timing.

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

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



Rose



Pink



White



Orange



Red

GENESIS

Direct-stick Callused Cutting

Benefit from a shorter crop time



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. 59 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.

Geraniums in production

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. 40
 Geranium, Ivy Focus™p. 68
 Geranium, Ivy Precision™p. 70
 Geranium, Zonal Dynamo™p. 64
 Geranium, Zonal Fantasia®p. 62
 Geranium, Zonal Galaxy™p. 66

Geranium, Zonal Presto™p. 60
 Osteospermum Blue Eyed Beautyp. 104
 Osteospermum Blushing Beauty.....p. 104
 Osteospermum Serenity™p. 106
 Osteospermum Voltage™ Whitep. 105
 Osteospermum Voltage™ Yellowp. 105

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

ZONAL GERANIUM

Presto™

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



PLANT SIZE

PRESTO FANTASIA DYNAMO GALAXY

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

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

Brilliant Red

ZONAL GERANIUM

ZONAL GERANIUM ●

Pelargonium hortorum

Presto™

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

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

Compact, dark leaf.

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

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

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

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

Also available as Genesis direct-stick callused cuttings.

Regional culture recommendations

Our most compact line generally does not need PGR in the **West, South and Southeast** regions.

To get the best plant habit in the **Midwest and Northeast**, we suggest Cycocel spray at 500 ppm 2 weeks after transplant.



Dark Red



Deep Scarlet



Brilliant Red



Violet



Dark Fuchsia



Dark Salmon



Rose Sizzle



Pink



Pink+Eye



Light Salmon



Pink Sizzle



White



Light Salmon

ZONAL GERANIUM

Fantasia®

Bright blooms, dark leaves — a fantasy come true



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.

NEW Dark Red Improved:

Improved habit with more uniform branching and better garden performance. The genetic habit is a perfect match to Cardinal Red.

NEW Fuchsia Berry: A

bright, exciting new color for the series in a color class that does not exist in zonal geraniums.

NEW Orange: A true orange

addition with a great dark leaf habit that matches the series. Replaces Coral.

NEW Pink Flare: Has been

improved for shipment of quality unrooted cuttings.



PLANT SIZE



Strawberry Sizzle

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 |
| NEW Dark Red Improved | medium | dark | medium |
| Flamingo Rose | early | dark | medium |
| NEW Fuchsia Berry | medium | dark | medium |
| Neon Rose | medium | dark | compact |
| NEW Orange | medium | dark | medium |
| Pink | medium | dark | medium |
| NEW Pink Flare | 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

ZONAL GERANIUM



Dark Red Improved



Fuchsia Berry



Orange



Pink Flare



Cardinal Red



Scarlet



Cranberry Sizzle



Violet



Purple Sizzle



Salmon



Strawberry Sizzle



Neon Rose



Shocking Pink



Flamingo Rose



White



Appleblossom



Pink

Regional culture recommendations

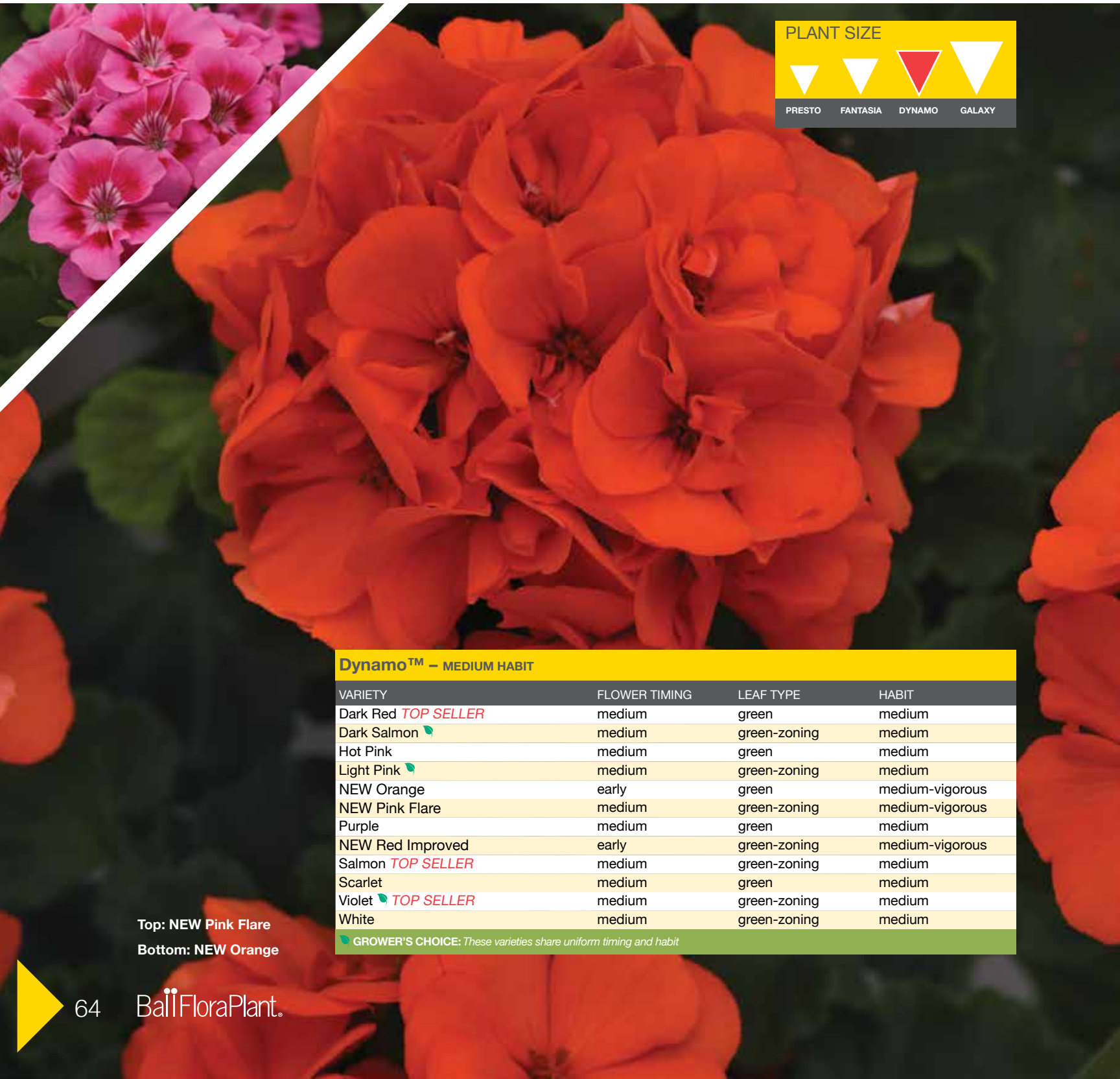
This medium, dark-leaved line is production friendly in the West, as our trials only require Cycocel spray at 500 ppm 2 weeks after transplant to make a nice plant habit. In the Midwest, where there are lower light conditions, we suggest Cycocel spray at 750 ppm 2 weeks after transplant to give the plants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

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

ZONAL GERANIUM

Dynamo™

Powerhouse of color uniformity



PLANT SIZE

PRESTO FANTASIA DYNAMO GALAXY

Dynamo™ – MEDIUM HABIT

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

Top: NEW Pink Flare

Bottom: NEW Orange

ZONAL GERANIUM

NEW



Red Improved

NEW



Orange

NEW



Pink Flare



Dark Red



Scarlet



Violet



Purple



Hot Pink



Dark Salmon



Salmon



Light Pink



White

ZONAL GERANIUM

Pelargonium hortorum

Dynamo™

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

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

Medium vigor, green leaf.

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

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


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

Also available as Genesis direct-stick callused cuttings.

NEW Orange: Bright, vibrant orange, with excellent garden performance compared to all other zonals on the market. Replaces Allure Tangerine and Allure Hot Coral.

NEW Pink Flare: Bright bicolor blooms with superior garden performance when compared to other medium green-leaved zonal geraniums.

NEW Red Improved: Larger flower size with a deeper color saturation.

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

ZONAL GERANIUM

NEW Galaxy™

Big impact in landscapes and large planters

GENESIS™



Kris Carlsson
Product Launch and Assortment
Manager

Galaxy Geraniums have been tested in 8 different regional trial locations where we confirmed their superior garden performance over all competitors in vigorous green-leaf geraniums, as well as their equal performance to competitors in vigorous interspecific geraniums. In addition to this high standard for garden performance, Galaxy is easy to grow in any region.



Florel 300 ppm

North Region

We found in our West Chicago, IL, culture trials that Galaxy genetics benefited from Florel 300 ppm or Cycocel 750 ppm applications to help tone the finished plant habit. Applications were made twice as a spray, with one application within 14-21 days after stick, and the second application 4 weeks after transplant.

South Region

We found in our California culture trials that Galaxy genetics benefited from a Florel 300 ppm application at 14-21 days after stick and 3 weeks after transplant to help tone the finished plant habit. We also applied a B-Nine 2,500 ppm tank mix with Cycocel 750 ppm spray at 7 weeks after transplant to help plants hold at retail.



PLANT SIZE



Top: NEW Violet

Bottom: NEW Galaxy Series

ZONAL GERANIUM

ZONAL GERANIUM

Pelargonium hortorum

NEW Galaxy™

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

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

High vigor, green leaf.

NEW 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. Replaces the Allure™ Series.

The series offers excellent garden performance in a very controlled, vigorous greenhouse habit.

Superior garden performance when compared to other vigorous, green-leaf zonal geraniums.

Also available as Genesis direct-stick callused cuttings.

NEW Purple, NEW Red and NEW Salmon: Offer a high number of flowers up at first flush, along with great branching.

NEW Violet: Features a bright, vibrant violet color with excellent branching compared to the competition.

NEW Watermelon: A totally unique color in the geranium market, with exceptional branching and garden performance.

NEW White: The first white on the market with interspecific-type garden performance! It features an excellent plant habit.



Dark Red



Pink



Purple



Red



Salmon



Violet



Watermelon



White

Galaxy – VIGOROUS HABIT

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

IVY GERANIUM

Focus™

Zoom in on a compact, controlled habit



PLANT SIZE



FOCUS

PRECISION



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

Focus™ – COMPACT HABIT

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

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

IVY GERANIUM

Precision™

Early flowering, exact uniformity — precisely in demand



PLANT SIZE

▼

FOCUS

PRECISION



Precision™ – MEDIUM HABIT

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

NEW



Red



Rose



Dark Burgundy



Burgundy



Ruby



Burgundy Ice



Dark Salmon



Red Ice



Pink Flamingo



Lavender Blue



Pink



White Red Eye

IVY GERANIUM ●

Pelargonium x peltatum

Precision™

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

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

Medium vigor, green leaf.

Specially selected for early flowering and excellent uniformity.

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

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

Also available as Genesis direct-stick callused cuttings.

NEW Red: An exciting red color that expands the series.

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-leafed 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 herbstii

'Blazin' Lime'

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

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

IRESINE ●●●
Iresine hybrid

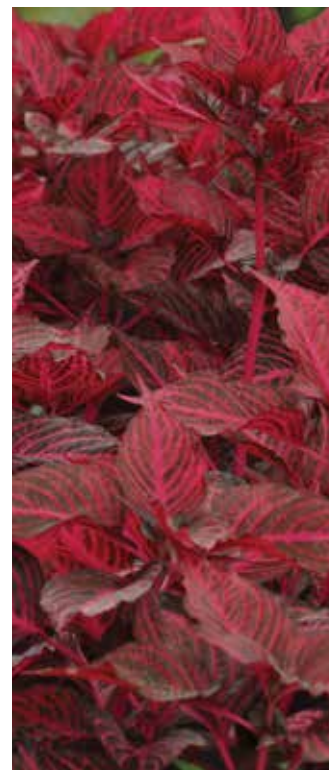
'Blazin' Rose'

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

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



'Blazin' Lime' Iresine



'Blazin' Rose' Iresine

EXOTIC IMPATIENS



Patchwork Cosmic Orange



Fusion Heat Coral



Fusion Heat Coral



Fusion Glow Yellow



Patchwork Cosmic Orange



Patchwork Peach Prism



Patchwork Cosmic Burgundy



Patchwork Pink Shades

EXOTIC IMPATIENS ● ●
Impatiens walleriana

Patchwork™

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

Nothing else has these unique novelty patterns and colors!

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

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

EXOTIC IMPATIENS ● ●
Impatiens hawkeri

Fusion™

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

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

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

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

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

Ideal for large, high-margin containers and baskets.

DOUBLE IMPATIENS

Fiesta Bonita™

A celebration of supersized double blooms



Top: MixMasters Ladylike with
White, Jade Frost Lamium and
White Nancy Lamium

Bottom: Burgundy



DOUBLE IMPATIENS



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.



Stardust Lavender



Mixed container with Rose and Lava Rose Coleus

DOUBLE IMPATIENS

Fiesta™

Big and bold double blooms for the shade

Top left: White

Center: Stardust Pink and Appleblossom

Bottom right: Sparkler Hot Pink



DOUBLE IMPATIENS

NEW



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.

NEW Coral Orange: Matches the series in habit and flower timing, with a larger flower than Deep Orange.

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

INTERSPECIFIC IMPATIENS

SunPatiens® Vigorous

Masses of nonstop color for landscapes



Top left: NEW Lavender Bicolor

Center: NEW MixMasters Peach of My Heart featuring
Clear Orange, Cabaret Deep Yellow Calibrachoa and
EnduraScape Blue Verbena

Bottom right: NEW Tropical Orange Improved

INTERSPECIFIC IMPATIENS



Lavender Bicolor



Orange Improved



Tropical Orange Improved



Orchid



Red



Rose Pink



Lavender



Clear White



White V/L



Pink Kiss



Shell Pink



Salmon V/L




Corona



Clear Orange

INTERSPECIFIC IMPATIENS

 *Impatiens hawkeri*

SunPatiens® Vigorous

Height: 24 to 42 in. (61 to 107 cm)
Spread: 24 to 30 in. (61 to 76 cm)

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

Thrives in sun or shade conditions.

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

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

Flourishes in extreme heat and blooms continuously all Summer long.

NEW Lavender Bicolor: Adds an exciting bicolor to the series.

NEW Orange Improved: Brings this color back to the series with a more controlled habit and better branching.

NEW Tropical Orange Improved: Offers improved branching in this great, bright color.

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

INTERSPECIFIC IMPATIENS

SunPatiens® Compact

Outstanding flower power for containers



Top left: Purple
Bottom: NEW Orchid Blush

**INTERSPECIFIC
IMPATIENS** ● ●
Impatiens hawkeri

SunPatiens® Compact

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

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

Tolerates all weather, from Spring through hard frost.

Unique varieties love sun, as well as shade.

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

Exceptional outdoor performance.

Roots fast for reduced crop time.

NEW Orchid Blush: New color expands the series.

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

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

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

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

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

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

INTERSPECIFIC IMPATIENS



Orchid Blush



Pink Candy



Orange



Kiss'n Cousins Mix



Orchid



Fire Red



Deep Rose



Best Friends Mix



Pink



White



Tropical Rose



Blush Pink



Royal Magenta



Hot Coral



Desert Sun Mix



Coral Pink



Red



Neon Pink



Summer Salsa Mix



Lilac



Electric Orange



Purple

NEW GUINEA IMPATIENS

Clockwork™

A compact star in small pots and mixed containers



Top: Orange, Purple and Orange Stripe

Bottom: Pink Star



NEW GUINEA IMPATIENS



White



Lavender



Red, Appleblossom and White



Rose



Hot Pink Glow



Cherry Strike

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.



Pink Star



Appleblossom



Red



Orange



Purple



Orange Stripe

NEW GUINEA IMPATIENS

Celebration

Keeps rockin' in bigger pots and baskets



Top left: Icy Blue
Center: Purple Star
Bottom right: Tropical Peach

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 |

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



James Doukas
Territory Manager Great Lakes
and Northeast Regions

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.



No pinch/No PGR

North

Both Spotlight colors were produced at our West Chicago, IL, location with no pinch or PGR applications. Our average daily temperature (ADT) was 70°F (21°C) at the beginning of the grow-out and lowered to 66°F (19°C) after plants were established to help tone finished habits.

South Region

Spotlight has the potential to make an exceptional quart, gallon and even 6-pack. Our trials showed that no pinch and no PGR were the best methods to produce a high-quality finished ipomoea. While our ADT was higher at 74°F (23°C), we had twice the amount of light, so our plants still stayed tight and well-branched.



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

**Bottom: Black Cut, Lime Cut
and Red Cut**





Black Heart



Lime Heart



Red Cut



Lime Cut



Black Cut



Mixed container with Lime Cut, FlameThrower Chili Pepper Coleus and impatiens

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 has 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.

A compact solution for southern regions.

IPOMOEA

SolarPower™

Medium habit, plus energy and color for containers and landscapes



Tanya Carvalho
Territory Manager Canada

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

West Region

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

Midwest, Canada and Northeast Region

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

South and Southeast Region

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



No pinch/
No PGR

Pinch/B-Nine
2,500 ppm



Top: Mixed container with Lime,
Lucky Sunrise Lantana and
Archangel Dark Rose Angelonia

Bottom: 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



NEW Lime Improved,
Lucky Red Lantana and
FlameThrower
Chili Pepper Coleus



Lime Improved



Black



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.

NEW Lime Improved: Features higher vigor to better match Black.

For Lamium, see page 118.

LANTANA

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.

NEW Mango: Habit matches Red.

Seed Set



Bloomify Red bursts with continuous flowers and color



Competitive red has slowed-down flowering and shows seed pods

NEW



Mango



Rose



Red

LANTANA

Little Lucky™

This one's the charm for pot-tight production



Jason Twaddell
Sales and Marketing Manager

Little Lucky Lantana is our top pick for the southern regions and for small container production. We have exciting new propagation techniques to help you be successful from stick to finish!

North Region

The best treatment for the Little Lucky varieties in propagation was the Florel 300 ppm/Configure 75 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 because Little Lucky has a naturally compact habit.

South Region

The best treatment for the Little Lucky varieties in this region in propagation was the Florel 250 ppm/Configure 50 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 because Little Lucky has a naturally compact habit.



Florel 250 ppm/Configure 50 ppm



Top: Red

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

LANTANA

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.



Pot Of Gold



Orange



Peach Glow



Hot Pink



Red



Lemon Cream



Red, Peach Glow, Orange and Lemon Cream

LANTANA

Lucky™

Magically stands up to hot, dry conditions

SEASON
EXTENDER

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!



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.

Flame





Peach



White



Red

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.

NEW Peach: Similar in habit and size to Pot Of Gold. Has the most branching of any variety in the series.



Lemon Glow



Lavender



Yellow



Pot Of Gold



Pure Gold



Sunrise Rose



Flame

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

LANTANA

Landmark™

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



Landmark Best Practices

The Landmark Series is our top pick for the landscape and one-gallon lantana production. We have exciting new propagation techniques to help you be successful from stick to finish!



Florel 500 ppm

North Region

The best treatment for the Landmark varieties in propagation was the Florel 300 ppm/Configure 75 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 the Landmark varieties in this region in propagation was the Florel 500 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 trials because finishing can be done outside at lower average daily temperatures. Please consult lantana finishing temperatures in the culture section on page 146.



Top: Yellow
Bottom: White



Red



Mixed container with Yellow, Blue Fan Scaevola and Archangel Raspberry Angelonia



White



Yellow



Gold

LANTANA ●
Lantana camara

Landmark™

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

Consistent vigor for fast fill and fuller canopies.

Stays controlled from bench to garden.

Thrives in extreme heat, humidity and drought.

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

For more lantana, see p.102.



Citrus



Sunrise Rose



Rose Glow

LOBELIA

Early Springs™

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



LOBELIA ● ●
Lobelia hybrida

Early Springs™

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

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

Early Springs is a series of highly uniform plants.

Try mixing colors for a great-looking monoculture basket.

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

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

Just one plant fills a quart or gallon container.

Top left: Lavender Pink

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

Bottom right: White





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



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

Bottom: Pink and White

100 BallFloraPlant.

LOBULARIA



Purple

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.

NEW Purple: Vigor matches White.



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



Pink



White

LANTANA

LANTANA ●

Lantana camara

'Dallas Red'

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

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



'Dallas Red' Lantana

'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.



'New Gold' Lantana

LANTANA ●

Lantana montevidensis

'Purple Trailing'

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

Good selection for combination plantings.

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.

For more lamium, see p. 118.



'Jade Frost' Lamium

LYSIMACHIA ● ●

Lysimachia nummularia

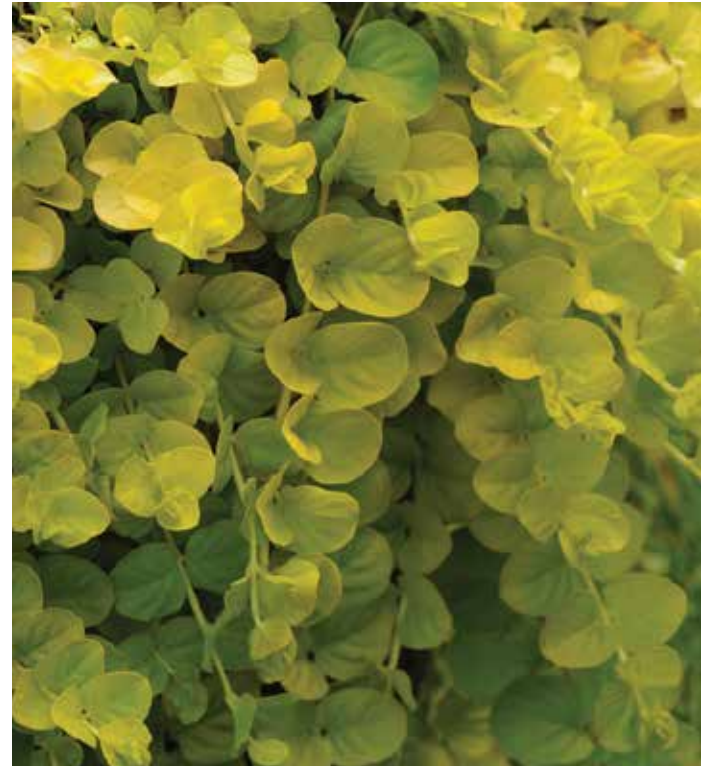
'Goldilocks'

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 Trailing' Lantana



'Goldilocks' Lysimachia

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 58-59.



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.

Serenity™
Dark Purple

Traditional Unrooted Cuttings



Traditional URC on arrival



at 8 days



at 6 weeks



at 14 weeks

OSTEOSPERMUM

Blue Eyed Beauty & Blushing Beauty

A perfectly pretty pair



Blue Eyed Beauty



Blushing Beauty



Blue Eyed Beauty



Blushing Beauty

OSTEOSPERMUM ●

Osteospermum ecklonis

Blue Eyed Beauty

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

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

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

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

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

Also available as Genesis direct-stick callused cuttings.

Blushing Beauty

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

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

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

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

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

Also available as Genesis direct-stick callused cuttings.

OSTEOSPERMUM

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

Serenity™

Low-stress production with high-interest color



Top: Rose Magic
Bottom: Lemonade



OSTEOSPERMUM

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.

NEW Coral Magic: There is not another plant on the market with a flower color to match! Similar habit to Pink.



Coral Magic



Rose Magic



Lemonade



Pink Magic



Lavender Frost



Deep Yellow



Red



White



Bronze



Pink



Dark Purple

PETUNIA

ColorRush™

Bursting with bold color for landscapes and large baskets



Gail Shafer
Breeder

We've trialed **ColorRush** in the ground in various climates. Time and time again, it lives up to its name by providing massive mounds of vibrant color. The chart at the right shows the flowering weeks you can expect by region.

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 | 5 | 7 | 14 |
| ColorRush Pink Vein | 5 | 7 | 14 |
| NEW ColorRush Merlot Star | 5 | 7 | 14 |
| NEW ColorRush Purple | 5 | 6 | 13 |
| ColorRush Pink | 5 | 6 | 13 |
| NEW ColorRush Watermelon Red | 4 | 5 | 13 |
| NEW ColorRush White | 3 | 4 | 12 |



Merlot Star



Purple



Watermelon Red



White



Pink Vein



Pink



Blue

PETUNIA ●

Petunia x hybrida

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.

NEW Merlot Star: Vigorous like Pink. High light and warm temperatures will produce more of the star pattern.

NEW Purple: Features a habit to match Blue.

NEW Watermelon Red: The most compact genetic in the series. Cold night temperatures in trial locations like California and West Chicago make the genetic more compact. Watermelon Red is just as vigorous as Blue when grown under warm night and day conditions at trial locations in Texas, Florida and North Carolina.

NEW White: Habit matches Pink.



NEW MixMasters Rush Hour featuring Pink Vein and Pink



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

PETUNIA

ColorBlitz™

Redefining medium petunias



Kris Carlsson
Product Launch and
Assortment Manager

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

West Region

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

Midwest, Canada and Northeast Regions

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

South and Southeast Regions

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



Top: MixMasters Paradise Sunrise
featuring Pinkceptional, Cabaret Deep
Yellow Calibrachoa and Firehouse
White Verbena

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

PETUNIA



Blue



Red



Sky Blue



Purple



Amethyst



Rose Stardust



Snowy White

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.



Bluerific



Pinkceptional



Lavender Shades



Yellow



Ocean Blue



Blue Stardust

PETUNIA

Sun Spun[®]

Spin early-season selling gold from these compact performers



Top left: Purple Star

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

Bottom right: Red

PETUNIA

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.



Pink Ice



Yellow



White



Coral



Blue



Pink



Red



Burgundy



Lavender Star



Raspberry Star



Purple Star



Neon Pink



Burgundy

PETUNIA



Midnight Gold



'Jelly Roll' – Darkest flower under Midwest Spring conditions



Phantom



Cha-Ching Cherry



Pinstripe



Black Magic

PETUNIA ●
Petunia hybrida

NEW 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.

PETUNIA ●
Petunia x hybrida

'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.

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



Ragtime



Lime Light



Rhythm And Blues



Double Wave Red

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)

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

Rhythm And Blues

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

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

SPREADING DOUBLE PETUNIA ●

Petunia X hybrida

Double Wave®

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

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



Double Wave Pink



Double Wave Rose



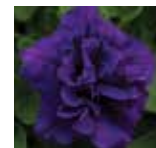
Double Wave White



Double Wave Blue Vein



Double Wave Purple



Double Wave Blue Velvet



PETCHOA

SuperCal®

The all weather petunia, rain or shine



SuperCal Premium Series

PETCHOA ●●
Petunia x Calibrachoa hybrid

SuperCal® Premium

Height: 14 to 20 in. (36 to 51 cm)
Spread: 14 to 22 in. (36 to 56 cm)

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

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



Premium Bordeaux



Premium French Vanilla



Premium Cinnamon



Premium Caramel Yellow



Premium Sunray Pink



Lavender Star



Snowberry White



Light Yellow



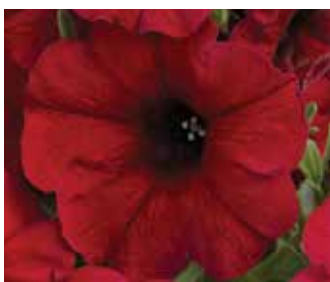
Pink



Artist Rose



Blue



Crimson Red



Neon Rose



Pink Ice



Salmon Glow



Purple



Blushing Pink



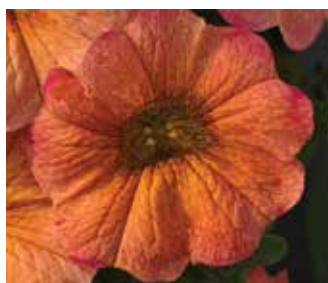
Garden Magic Mix



Cherry



Violet



Terracotta



Summer Sensation Mix

SuperCal®

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

The best characteristics of petunias and 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 Lavender Star and **NEW Snowberry White:** New bicolors expand the existing standard lineup.

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

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

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

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

LAMIUM

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: 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.

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.



Little Sunshine Mecardonia



'Anne Greenaway' Lamium



'Beacon Silver' Lamium



'White Nancy' Lamium



Aromatica Royal Blue Nemesia



Aromatica Rose Pink Nemesia



Aromatica White Nemesia

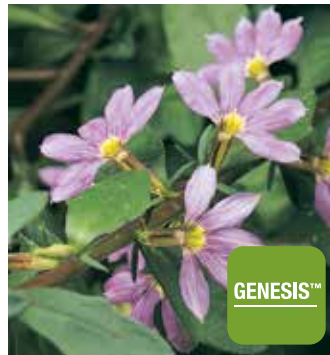




'Nico' Plecranthus



Bondi Blue Scaevola



'Blue Fan' Scaevola



White Sparkle Scaevola



'Nicolleta' Plecranthus



Variegata Plecranthus



Bondi White Scaevola



Brilliant Scaevola

PLECRANTHUS ●●

Plectranthus coleoides

'Nico'

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

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

'Nicolleta'

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

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

Variegata

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

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

SCAEVOLA ●

Scaevola 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

Brilliant

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

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

Also available as Genesis direct-stick callused cuttings.

BRILLIANT is bred by J & H Westhoff Interpel.



SCAEVOLA ●

Scaevola hybrid

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.



SALVIA

Mysty & Mystic Spires

Soaring pinnacles of success

SEASON
EXTENDER



Luis Munoz
Culture Research Technician

Compact Mysty is Great for Combos

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

Regional culture recommendations

West Region

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

Midwest, Canada and Northeast Regions

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

South and Southeast Regions

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



Mysty



Mysty

Mystic Spires



Mystic



Mystic Spires

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.



'Purple & Bloom'

Mystic

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.

SALVIA ●

Salvia guaranitica

NEW 'Purple & Bloom'

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

New 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!



'Roman Red'

SALVIA ● ●

Salvia splendens x darcyi

NEW '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 and Bloom', with a semi-mounded habit. Offers exceptional landscape performance when compared to *Salvia splendens*.



'Black & Bloom'



'Black & Blue'

'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.

TORENIA

NEW Summer Wave®

Masses of blooms and a trailing habit for beds and baskets



NEW Large Amethyst

TORENIA ●
Torenia hybrida

NEW 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.



Large Amethyst



Large Blue



Large Silver



Large Violet



Río Grande Magenta Purslane



Mona Lavender Plectranthus



Sunny Arizona Glow Thunbergia



Burgundy Wink



Río Grande Scarlet Purslane



Río Grande Orange Purslane



Río Grande Yellow Purslane



Río Grande White Purslane



Magilla Purple Perilla



'Persian Shield' Strobilanthes



Sunny Lemon Star Thunbergia



Sunny Orange Wonder Thunbergia



Violet Wink

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.

SEASON
EXTENDER

PERILLA ●●

Perilla frutescens

Magilla® Purple

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

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

PLECTRANTHUS ●

Plectranthus x hybrida

Mona Lavender

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

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



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

STROBILANTHES ●●

Strobilanthes dyerianus

'Persian Shield'

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

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

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.



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 on to retail shelves.

Performs beautifully in baskets, mono and mixed containers.

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

VERBENA

Cadet Upright™

Falls in line with an upright habit



Eric Pitzen
Territory Manager
Southeast/Southwest

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

West Region

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



Midwest, Canada and Northeast Regions

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

South and Southeast Regions

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



Top: Red

Bottom: Lavender Blue

VERBENA



Violet Blue



White



Hot Pink Wink

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.

Most uniform habit across the series, compared to the competition.

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

All colors can be treated the same culturally.

Proven superior Powdery Mildew resistance when compared to the competition.

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

NEW Violet Blue: Features a more uniform habit to match the rest of the colors in the series.



Magenta Wink



Lavender Blue



Purple



Red



Pink



White, Magenta Wink, Red



Magenta Wink

VERBENA

Firehouse™

Stands tough when the heat rises

SEASON
EXTENDER



Santiago Brown
Director of Research and
Development

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

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, pictured below, was treated with B-Nine/Cycocel 750 ppm spray in California trials.



South and Southeast Regions

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



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

Bottom: Grape



VERBENA

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.



Lavender



Pink



Grape



Light Pink



Burgundy



Purple



Purple Fizz



Red



White

VERBENA

EnduraScape™

Color that won't quit

SEASON
EXTENDER



James Doukas
Territory Manager

REGIONAL CULTURE RECOMMENDATIONS

West Region

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



Midwest, Canada and Northeast Regions

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

South and Southeast Regions

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



Top: Pink Fizz and White

Bottom: Blue and Hot Pink



Pink Fizz



White



Blue



Pink Bicolor



White Blush



Magenta



Red



Purple



NEW MixMasters Peach of My Heart with Blue, SunPatiens Vigorous Clear Orange Impatiens and Cabaret Deep Yellow Calibrachoa



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 in the hottest days of Summer, but can take the cold, down to the low teens, and still rebloom in Spring.

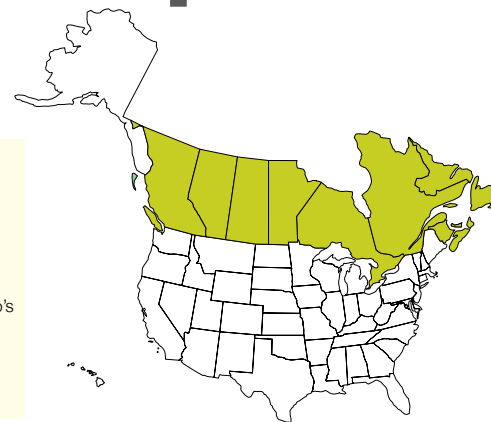
EnduraScape revs up the color with 10 high-octane varieties.

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

Excellent powdery mildew resistance.

Ball Seed Sales Reps

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YVES COURNOYER
Regional Sales Director



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Ball Seed Sales Reps

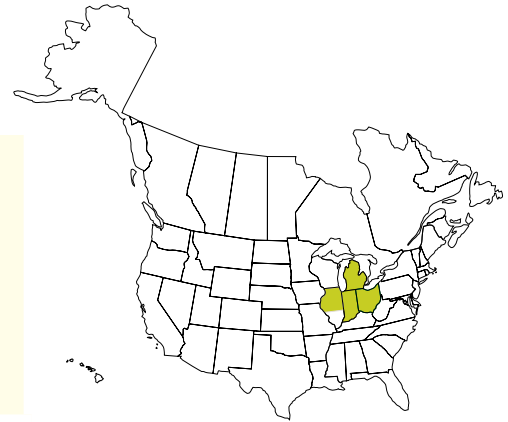
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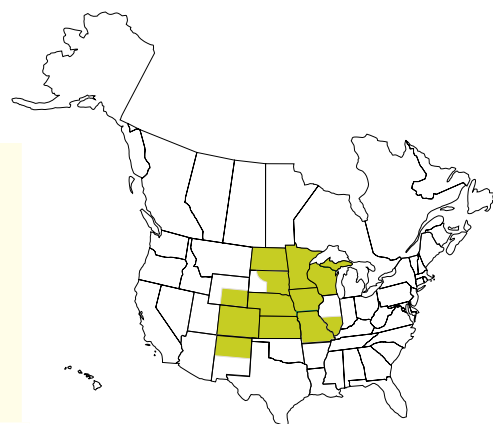
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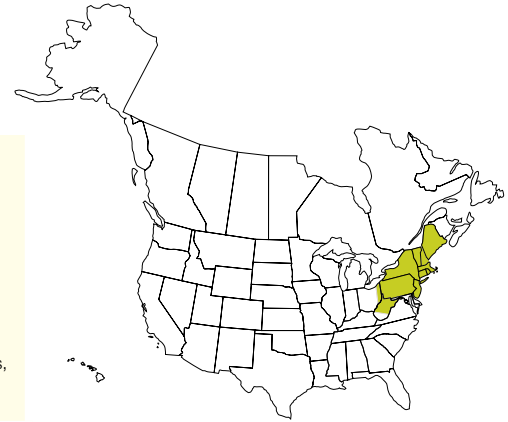
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Ball Seed Sales Reps

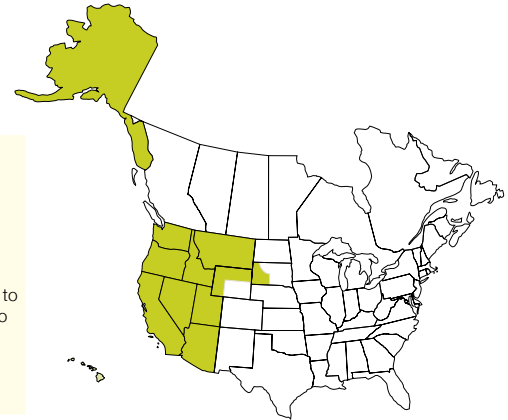
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Ball Seed Sales Reps

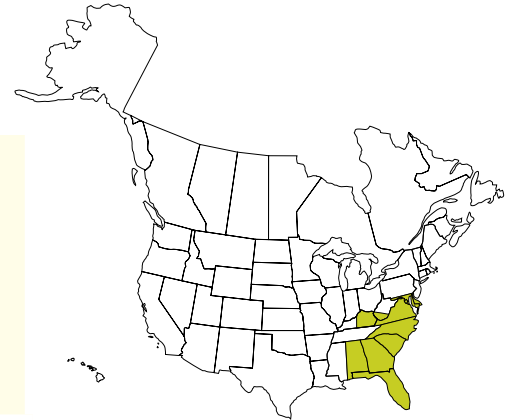
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Ball Seed Sales Reps

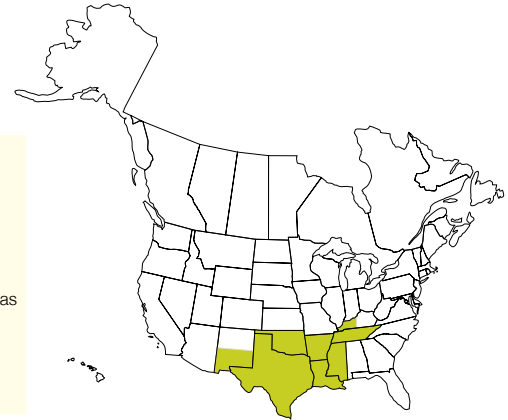
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Texas – Dallas and counties
northwest to the Oklahoma
border

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

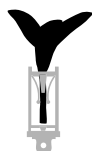
- Wide range of products from a single supplier...“one-stop shopping”
- Lowest input cost
- Cuttings arrive in-line in perforated bags for easy handling
- Guaranteed freight rates

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-stuck cuttings grow together into one healthy multiliner to produce perfectly balanced combos
- Offers 100% complete “recipes” with nothing missing
- Produces more predictable, programmable mixes



STANDARD ROOTED LINERS

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



HIGH-DENSITY LINERS

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



QUICK TURN LINERS

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



PRE-FINISHED PLANTS

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

Propagation Guide

| CROP | TRAY SIZE(S) (CELLS/TRAY) | ROOTING HORMONE | AVERAGE DAYS WITH MIST | PINCH | AVERAGE PROPAGATION TIME (WEEKS) | COMMENTS |
|---------------------------|------------------------------|---|------------------------------|----------|--|--|
| ALTERNANTHERA | 50, 72, 84, 104, 209 | No | 6-8 | Yes | 3-4 | Stick cuttings immediately upon arrival to avoid breakdown. |
| ANGELONIA | 50, 72, 84, 105 | No | 7-9 | Yes | 3-4 | Avoid stretch. Pinch 18-21 days after sticking. |
| 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 (increases uniformity/ speed of rooting) | 9-13 | No | 4-5 | Stick immediately upon arrival. Geraniums are best rooted in a media in strip form to allow for maximum air flow and avoid foliage overlap. Ivy geraniums require 25-30% less mist in propagation compared to zonals. Propagate under separate mist programs. Remove flower buds at transplanting. |
| GERANIUM (ZONAL) | See Comments | Optional (increases uniformity/ speed of rooting) | 9-12 | No | 3-4 | Stick immediately upon arrival. Geraniums are best rooted in media in strip form to allow for maximum airflow and avoid foliage overlap. After initial rehydration, careful misting is required to optimize callus and root initiation. Mature leaves should show slight wilting at midday and regain turgor in the late afternoon under ideal mist conditions. Leaf petiole wilting indicates undermisting. Overmisting leads to <i>Botrytis</i> . Remove flower buds at transplanting. |
| HELICHRYSUM | 50, 72, 84, 105 | Optional | 7-10 | Optional | 3-4 | Propagate in low-volume mist group. Avoid high feed on foliage. High humidity tents are effective. Pinch as needed to shape plants or hold crop. |
| HELIOTROPE | 50, 72, 84, 105 | Optional | 6-9 | No | 3-4 | Stick immediately upon arrival. Apply preventative fungicide spray after sticking. Reduce mist as soon as possible. |
| IMPATIENS (DOUBLE) | 50, 72, 84, 105 | No | 5-8 | No | 2-3 | Reduce mist as soon as possible to reduce stretch. Transplant on time. |
| IMPATIENS (EXOTIC) | 50, 72, 84, 105 | No | 5-8 | No | 3 | Avoid saturated media. Reduce mist as soon as possible. To reduce stretch, transplant on time. |
| IMPATIENS (INTERSPECIFIC) | 50, 72, 84, 105 | No | 6-8 | No | 3 | Reduce mist as soon as possible to reduce stretch. Transplant on time. |
| IMPATIENS (NEW GUINEA) | 50, 72, 84, 105 | No | 7-8 | No | 3-4 | Apply preventative fungicide spray after sticking. Reduce mist as soon as possible. Scout regularly for <i>Botrytis</i> . |

| CROP | TRAY SIZE(S) (CELLS/TRAY) | ROOTING HORMONE | AVERAGE DAYS WITH MIST | PINCH | AVERAGE PROPAGATION TIME (WEEKS) | COMMENTS |
|---------------|------------------------------|--------------------|------------------------------|----------|--|--|
| IPOMOEA | 50, 72, 84, 105 | No | 3-4 | Optional | 3-4 | Move rooted cuttings off mist quickly to avoid stretch. Ipomoea URC do not like to be stored, so stick immediately. Cooling cuttings can actually do damage, so it is recommended that if you do store cuttings, do not put them in a cooler and maintain temperatures at 55-60°F (13-16°C). |
| IREFINE | 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® | 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 Compact, Sun Drop, 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 | Amethyst, Enduring Blue | 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 | 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 | Cabaret®, Can-Can® | 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 |

Crop Time from Rooted Cutting*

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

Annual Culture Guide

| 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, Electric Lime®, French Quarter, Heartbreaker, Henna, Indian Summer, Inferno, Mint Mocha, Pinkplosion, 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 | 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 |

Crop Time from Rooted Cutting*

| 4 TO 5-IN. (10 TO 13-CM) POTS | 6-IN. (15-CM) POTS, GALLONS | 10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS | PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH | PESTS | DISEASES | COMMENTS |
|-------------------------------------|-----------------------------------|--|--|----------------------------|--|---|
| 1 ppp, 5-7 weeks | 1-2 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 | 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 | <i>Botrytis</i> , 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 | <i>Botrytis</i> , <i>Oedema</i> , Root rot | Pinch as needed to shape. Keep soil moderately dry and maintain adequate air circulation during finishing to avoid <i>Oedema</i> . 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 | <i>Botrytis</i> , 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 | <i>Pythium</i> , <i>Botrytis</i> | Pinch as needed to shape. Fertilize regularly. Avoid extremely high humidity or saturated media, both of which will encourage <i>Botrytis</i> . |

* ppp=plants per pot

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

Annual Culture Guide

| CROP | SERIES/VARIETY | SOIL PH | LIGHT LEVELS (FC) | TEMPERATURE DAY | TEMPERATURE NIGHT | FERTILIZATION (PPM N) | NO. OF PINCHES |
|--------------------|---------------------|---------|-------------------|-------------------|-------------------|-----------------------|----------------|
| 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 |
| 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) | 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) | Fusion™, Patchwork™ | 5.8-6.2 | 4,000-6,000 | 68-76°F (20-24°C) | 56-61°F (13-16°C) | 175-225 | 0-1 |

Crop Time from Rooted Cutting*

| 4 TO 5-IN. (10 TO 13-CM) POTS | 6-IN. (15-CM) POTS, GALLONS | 10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS | PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH | PESTS | DISEASES | COMMENTS |
|-------------------------------------|-----------------------------------|--|--|-------------------------------------|--|--|
| 1 ppp, 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 | <i>Botrytis</i> , <i>Oedema</i> , <i>Pythium</i> , <i>Xanthomonas</i> | Avoid drastic swings in soil moisture to reduce <i>Oedema</i> . |
| 1 ppp, 8-10 weeks | 1-2 ppp, 9-10 weeks | 4-5 ppp, 11-13 weeks | Cycocel(S) 750-1,500 ppm to control growth; Florel(S) 200-300 ppm to improve branching. | Fungus gnats, thrips, aphids, mites | <i>Botrytis</i> , <i>Oedema</i> , <i>Pythium</i> , <i>Xanthomonas</i> | Avoid drastic swings in soil moisture to reduce <i>Oedema</i> . |
| 1 ppp, 8-9 weeks | 1-2 ppp, 9-10 weeks | 4-5 ppp, 11-13 weeks | Cycocel(S) 750-1,000 ppm to control growth; Florel(S) 200-300 ppm to improve branching. | Fungus gnats, thrips, aphids, mites | <i>Botrytis</i> , <i>Pythium</i> , <i>Xanthomonas</i> | 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 | <i>Botrytis</i> , <i>Pythium</i> , <i>Xanthomonas</i> | 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 | <i>Botrytis</i> , <i>Pythium</i> , <i>Xanthomonas</i> | 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, <i>Botrytis</i> , <i>Pythium</i> | Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR 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, <i>Botrytis</i> , <i>Pythium</i> | Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR 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, <i>Botrytis</i> , <i>Pythium</i> | Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR application to achieve ideal finished plants. A light Bonzi drench when plant is three-quarters of finish size will promote flowering above the foliage. |

* ppp=plants per pot

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

Annual Culture Guide

| CROP | SERIES/VARIETY | SOIL PH | LIGHT LEVELS (FC) | TEMPERATURE DAY | TEMPERATURE NIGHT | FERTILIZATION (PPM N) | NO. OF PINCHES |
|---------------------------|--|---------|-------------------|-------------------|-------------------|-----------------------|----------------|
| 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 |
| 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 | Dallas Red, Little Lucky™, New Gold, Purple Trailing | 5.8-6.2 | 5,000-10,000 | 74-85°F (23-29°C) | 62-67°F (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 |

Crop Time from Rooted Cutting*

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

* ppp=plants per pot

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

Annual Culture Guide

| CROP | SERIES/VARIETY | SOIL PH | LIGHT LEVELS (FC) | TEMPERATURE DAY | TEMPERATURE NIGHT | FERTILIZATION (PPM N) | NO. OF PINCHES |
|--------------|--|---------|-------------------|-------------------|-------------------|-----------------------|------------------------------------|
| 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 |
| 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™ | 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 | 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 |

Crop Time from Rooted Cutting*

| 4 TO 5-IN. (10 TO 13-CM) POTS | 6-IN. (15-CM) POTS, GALLONS | 10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS | PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH | PESTS | DISEASES | COMMENTS |
|-------------------------------------|-----------------------------------|--|---|---|---|--|
| 1 ppp, 7-9 weeks | 1 ppp, 9-11 weeks | 4-5 ppp, 10-12 weeks | Generally not needed. | Aphids, thrips | <i>Botrytis</i> | Transplant 24-28 days after stick, and optional pinch again 10-14 days after transplant. 4-in. (10-cm) size may skip second pinch. Keep on dry side. |
| 1 ppp, 9-10 weeks | 2-3 ppp, 10-11 weeks | 4-5 ppp, 10-13 weeks | Generally not needed. | Thrips | <i>Botrytis</i> | Blue has a mounded, trailing habit, while Lavender has a trailing habit. Ideal for Spring and Summer throughout North America. Will flower in Autumn, Winter and early Spring in the Sunbelt. |
| 1 ppp, 4-5 weeks | 1-2 ppp, 5-7 weeks | 3-5 ppp, 6-8 weeks | Generally not needed. Grow plants under high light and use negative differential of temperature to tone plant habits. | Fungus gnats, whitefly | Root and stem rot | High light and cool temperatures produce high-quality plants. |
| 1 ppp, 4-5 weeks | 2-3 ppp, 5-8 weeks | 3-5 ppp, 8-10 weeks | Generally not needed. Pinching is best for shaping the plant. | None | None | Goldilocks <i>Lysimachia</i> is grown primarily for its foliage. |
| 1 ppp, 6-8 weeks | 2-3 ppp, 6-8 weeks | 5-6 ppp, 10-12 weeks | Plant Growth Regulators not needed when grown in high light. | Aphids, fungus gnats, slugs/snails | <i>Botrytis</i> , root and stem rot | <i>Mecardonia</i> 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. <i>Nemesia</i> 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, <i>Aromatica</i> will generally require little, if any, PGRs. Avoid water-logged media. |
| 1 ppp, 10-13 weeks | 2-3 ppp, 11-14 weeks | 3-4 ppp, 11-15 weeks | Is responsive to B-Nine(S) 2,500-4,000 ppm alone or as a tank mix(S) with Cycocel 750-1,000 ppm. Bonzi(S) 15-30 ppm is also effective. | Aphids, whitefly, thrips | Root and stem rot, <i>Botrytis</i> | After transplanting, allow plants to become established for 1-2 weeks at 60-65°F (15-18°C). Once plants are well established, begin growing at recommended cool temperatures. After 4-6 weeks of cool conditions, plants can be forced in 6-8 weeks. |
| 1 ppp, 8-11 weeks | 1-2 ppp, 8-11 weeks | 3-5 ppp, 8-11 weeks | Is responsive to B-Nine(S) 2,500-4,000 ppm alone or as a tank mix(S) with Cycocel 750-1,000 ppm. Bonzi(S) 15-30 ppm is also effective. | Aphids, whitefly, thrips | Root and stem rot, <i>Botrytis</i> | After transplanting, allow plants to become established for 1-2 weeks at 60-65°F (15-18°C). Once plants are well established, begin growing at recommended cool temperatures. Pinch optional. After 4-6 weeks of cool conditions, plants can be forced in 6-8 weeks. |
| 1 ppp, 5-7 weeks | 1-2 ppp, 6-8 weeks | 3-4 ppp, 8-11 weeks | B-Nine(S) 2,000-4,000 ppm, applied 1-3 times, can be used to control habit. | Thrips, aphids, whitefly | Root rot | Plants should be pinched as needed to control habit. Crop times will be shorter under long days or warmer temperatures. |
| 1 ppp, 6-8 weeks | 1-3 ppp, 7-9 weeks | 3-5 ppp, 9-12 weeks | Foliar sprays of A-Rest 10-30 ppm or sprays of B-Nine/Bonzi tank mix, B-Nine 2,500-5,000 ppm/Bonzi 10-30 ppm. Drench of A-Rest 1-3 ppm, or drench of Bonzi 1-4 ppm. | Whitefly, thrips, leafminers, aphids, mites | <i>Botrytis</i> , Crown rot, Tobacco Mosaic Virus | Cool temperatures and high light reduce need for PGR. SuperCal Blue, Purple and Terracotta are high vigor. Artist Rose, Blushing Pink, Cherry, Neon Rose, Pink Ice and Violet are medium vigor. |
| 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 | <i>Botrytis</i> , Root rot, Tobacco Mosaic Virus | Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor pH regularly for high pH and possible iron deficiency. |
| 1 ppp, 6-8 weeks | 2-3 ppp, 7-9 weeks | 3-5 ppp, 9-12 weeks | B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height, but not delay flowering or reduce flower size. | Whitefly, thrips, leafminers | <i>Botrytis</i> , Root rot, Tobacco Mosaic Virus | Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering. |

* ppp=plants per pot

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

Annual Culture Guide

| CROP | SERIES/VARIETY | SOIL PH | LIGHT LEVELS (FC) | TEMPERATURE DAY | TEMPERATURE NIGHT | FERTILIZATION (PPM N) | NO. OF PINCHES |
|----------------------------|-------------------------------|---------|-------------------|-------------------|-------------------|-----------------------|----------------|
| PETUNIA | 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 | 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 | 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 |
| PETUNIA | Midnight Gold | 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 (11-16°C) | 225-300 | 0-1 |
| PETUNIA | Rhythm And Blues | 5.8-6.2 | 5,000-8,000 | 59-76°F (15-24°C) | 53-61°F (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 |

Crop Time from Rooted Cutting*

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

* ppp=plants per pot

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

Annual Culture Guide

| CROP | SERIES/VARIETY | SOIL PH | LIGHT LEVELS (FC) | TEMPERATURE DAY | TEMPERATURE NIGHT | FERTILIZATION (PPM N) | NO. OF PINCHES |
|---------------|--|---------|-------------------|-------------------|-------------------|-----------------------|----------------|
| 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 | 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 Fan, Bondi™, Brilliant, 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 |
| TORENIA | 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 | 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 |
| 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 |

Crop Time from Rooted Cutting*

| 4 TO 5-IN. (10 TO 13-CM) POTS | 6-IN. (15-CM) POTS, GALLONS | 10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS | PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH | PESTS | DISEASES | COMMENTS |
|-------------------------------------|-----------------------------------|--|---|--------------------------------------|---|---|
| 1 ppp, 6-8 weeks | 1-2 ppp, 7-9 weeks | 3-5 ppp, 9-12 weeks | B-Nine 1,500-2,500 ppm and Cycocel 750-1,000 ppm tank mix(S) or Bonzi(S) 5-20 ppm applied as needed is effective. | Whitefly, worms | Root rot | Mona Lavender requires a short-day treatment to flower. Natural-day crops can be finished in southern climates for January to March sales. Spring, Summer and Fall crops can be achieved using black cloth/short days in all regions. |
| 1 ppp, 6-8 weeks | 1-3 ppp, 7-10 weeks | 3-5 ppp, 9-12 weeks | Generally not needed. | Whitefly | <i>Botrytis</i> , <i>Pythium</i> , <i>Rhizoctonia</i> | Regularly allow the media to dry between waterings. Pinch regularly to improve habit. |
| 1-2 ppp, 5-6 weeks | 2-3 ppp, 6-8 weeks | 3-5 ppp, 9-12 weeks | Generally not needed. | Whitefly | Root rot | Regularly allow the media to dry moderately between waterings, especially in cool periods. Regular pinching and constant feeding will improve habit and flowering. |
| 1 ppp, 7-9 weeks | 1-2 ppp, 8-10 weeks | 2-3 ppp, 10-12 weeks | A B-Nine 2,000-3,500 ppm and Cycocel 1,000-1,500 ppm tank mix(S) will help control height. | Whitefly, fungus gnats, thrips | <i>Botrytis</i> , <i>Pythium</i> , <i>Rhizoctonia</i> | Regularly allow the media to dry between waterings, particularly during cool periods. Prefers warm conditions to ensure early flowering. |
| 1 ppp, 4-8 weeks | 2-3 ppp, 6-10 weeks | 4-5 ppp, 8-12 weeks | Responsive to B-Nine 2,500-3,000 ppm. Increase rates as days lengthen in late Spring and Summer. | Whitefly | None | Regularly allow the media to dry moderately between waterings, especially in cool periods. Proper pinching and moderate feeding will improve habit and flowering. |
| 1 ppp, 5-7 weeks | 1-2 ppp, 7-8 weeks | 3-5 ppp, 10-12 weeks | Generally not needed. Bonzi(D) 1-3 ppm or Bonzi(S) 20-40 ppm will control growth. | Whitefly | <i>Pythium</i> , <i>Rhizoctonia</i> | Scaevola prefers a well-drained soil. Allow the media to dry between waterings. Night temperatures lower than recommended will significantly slow the crop and lead to problems with root rot. |
| | 1-2 ppp, 8-10 weeks | 3-5 ppp, 10-13 weeks | Generally not needed. | Whitefly | Root rot | Moderate light levels produce more colorful foliage. Pinch early to shape. Feed regularly to maintain growth. |
| 1 ppp, 6-8 weeks | 1-2 ppp, 7-9 weeks | 4-5 ppp, 10-12 weeks | Generally not needed. | Mites, whitefly, thrips | <i>Botrytis</i> | Thunbergia is a warm-season crop that prefers night temperatures above 60°F (15°C). Pinch regularly to shape. |
| 1 ppp, 5-7 weeks | 1-3 ppp, 6-8 weeks | 3-5 ppp, 8-11 weeks | Generally not needed. | Whitefly, spider mites, thrips | <i>Botrytis</i> | 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 | 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. |
| 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. |

* ppp=plants per pot

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

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- 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 within:

- 2 weeks of ship date for unrooted cuttings
- 4 weeks of ship date for Genesis cuttings

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

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

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www.ballfloraplant.com/BFP/_Propagation.aspx.

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- 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 | Balangspery |
| AngelMist® Spreading Bluebird | Balangspird |
| AngelMist® Spreading Dark Purple | Balangsparkl |
| AngelMist® Spreading Pink | Balangbakin |
| AngelMist® Spreading White | Balangspri |
| Archangel™ Blue Bicolor | Balarclubi |
| Archangel™ Cherry Red | Balarcher |
| Archangel™ Coral | Balarcoral |
| Archangel™ Dark Purple | Balarckle |
| Archangel™ Dark Rose | Balarcrose |
| Archangel™ Light Pink | Balarclipi |
| Archangel™ Pink | Balarcorpri |
| Archangel™ Purple | Balarcpur |
| Archangel™ Raspberry | Balarcaspm |
| Archangel™ White | Balarcwite |

Bacopa/Sutera

MegaCopa™ Blue
MegaCopa™ Pink Improved
MegaCopa™ Pink Shine
MegaCopa™ Sky Blue
MegaCopa™ White
Versa™ Blue
Versa™ Pink Shine
Versa™ White

Bidens

Bee Alive
Bee Bold
Bee Happy™ Orange
Bee Happy™ Red Improved
Sunbeam
Sun Drop Compact
Sun Drop

Brachyscome

Enduring Blue
Radiant Magenta

Bracteantha

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

Calibrachoa

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

Coleus

Burgundy Wedding Train
Campfire
Coleosaurus
Electric Lime®
FlameThrower™ Chili Pepper
FlameThrower™ Chipotle
FlameThrower™ Habanero
FlameThrower™ Salsa Roja
FlameThrower™ Salsa Verde
FlameThrower™ Serrano
FlameThrower™ Spiced Curry
Heartbreaker
Henna
Indian Summer
Inferno
Lava Rose
Mint Mocha
Pinklosion
Redhead
Ruby Punch
Ruby Slipper

Balmecoblu
Balmecopinim
Balmecopine
Balmecosku
Balmecowite
Balverlu
Balverpine
Balmecoversi

Bee Alive
Bee Bold
Baleenan
Balehedfi
KLEBF07003
Balbisopac
Balbisopim

Enduring Blue
Cherish

Bondrepuho
Bondre 11100
Bondre 1051
Ohb003790

Balcabrite
Balcabriv
Balcabdebu
Balcabdepy
Balcabdivo
Balcaboldel
Balcabooni
Balcabhopi
Balcablavim
Balcablemy
Balcablinkim
Balcablipism
Balcablightlu
Balcabearno
Balcaborim
Balcabinkim
Balcabinista
Balcabpurim
Balcabred20
Balcabros20
Balabsklu
Balcabwhite
Balcanumlu
Balcanumbi
Balcanark
Balcanoss
Balcanmiss
Balcanoran
Balcantera
Balcongriiss
Balcongarku
Balcongdel
Balcongjav
Balconglipar
Balcongriiss
Balcongink
Balconginar
Balbacscarim
Balcongossim
Balcongriissim
Balconggetiss
Balcongite

Kakegawa CE10
UF12221
UF104512
UF04335
UF81910
UF12823
UF9837
UF159709
UF14241
UF150628
UF12735
UF134827
UF16-91-25
Balcoenna
Balcoinsu
UF13267
Kakegawa CE1
Balcoimoa
UF152006
UF0646
SAKCOL023
UF13424

Special Effects
Trusty Rusty
Vino
Wasabi

Cuphea

Firecracker
Honeybells

Diascia

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

Euphorbia

Breathless® Blush
Breathless® White

Impatiens, Compact

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

Impatiens, Double

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

Impatiens, Exotic

Fusion™ Glow Yellow
Fusion™ Heat Coral

Impatiens, Vigorous

SunPatents® Vigorous Clear Orange
SunPatents® Vigorous Clear White
SunPatents® Vigorous Corona
SunPatents® Vigorous Lavender
SunPatents® Vigorous Lavender Bicolor
SunPatents® Vigorous Orange Improved
SunPatents® Vigorous Orchid
SunPatents® Vigorous Pink Kiss
SunPatents® Vigorous Red
SunPatents® Vigorous Rose Pink
SunPatents® Vigorous Salmon V/L
SunPatents® Vigorous Shell Pink
SunPatents® Vigorous Tropical Orange
Improved
SunPatents® Vigorous White V/L

Impatiens walleriana

Patchwork™ Cosmic Burgundy
Patchwork™ Cosmic Orange
Patchwork™ Peach Prism
Patchwork™ Pink Shades

Ipomoea

SolarPower™ Black
SolarPower™ Black Heart
SolarPower™ Lime
SolarPower™ Lime Heart
SolarPower™ Red

UF12743
UF06419
Balcovino
UF0843

Firecracker
Balhoetrel

Baljolurim
Baljulink
Baljuled
Baljulose
Baljulitim

Balbreblus
Balbrewite

SAKIMP013
SAKIMP042
SAKIMP017
SAKIMP025
SAKIMP039
SAKIMP026
SAKIMP012
SAKIMP033
SAKIMP011
SAKIMP041

SAKIMP019
SAKIMP046
SAKIMP044
SAKIMP030
SAKIMP029
SAKIMP037
SAKIMP027

Balfieplos
Balfiebur
Balfiecoran
Balfiedoor
Balfifavori
Pink Ruffie
Balfieprim
Balfiesaled
Balfiespray
Balfiesink
Ballolestop
Balfiestarp
Balfiesunre
Balfiewite
Balboniburg
Balbonicher
Balbonipink
Balbonirose
Balbonisal
Balbonistar
Balboniwite

Balfusimglo
Balfusheat

SAKIMP040
SAKIMP036
SAKIMP008
SAKIMP006

SAKIMP053
SAKIMP043
SAKIMP048
SAKIMP052
SAKIMP005
SAKIMP035

Balpacurn
Balpacorg
Balpapesmi
Balpapinade

Balsolablum
Balsolabart
Balsolalimil
Balsolalimart
Balsolared

SolarPower™ Red Heart
SolarTower™ Black
SolarTower™ Lime Improved
Spotlight™ Black
Spotlight™ Black Heart
Spotlight™ Lime
Spotlight™ Lime Heart
Spotlight™ Red

Lantana

Bloomify™ Mango
Bloomify™ Red
Bloomify™ Rose
Dallas Red
Landmark™ Citrus
Landmark™ Gold
Landmark™ Red
Landmark™ Rose Glow
Landmark™ Sunrise Rose
Landmark™ White
Landmark™ Yellow
Little Lucky™ Hot Pink
Little Lucky™ Lemon Cream
Little Lucky™ Orange
Little Lucky™ Peach Glow
Little Lucky™ Pot of Gold
Little Lucky™ Red
Little Lucky™ Flame
Little Lucky™ Lavender
Little Lucky™ Lemon Glow
Little Lucky™ Peach
Little Lucky™ Pot of Gold
Little Lucky™ Pure Gold
Little Lucky™ Red
Little Lucky™ Sunrise Rose
Little Lucky™ White
Little Lucky™ Yellow

Lobelia

Early Springs™ Dark Blue
Early Springs™ Lavender Pink
Early Springs™ Magenta
Early Springs™ Sky Blue
Early Springs™ White
Waterfall™ Blue
Waterfall™ Purple
Waterfall™ White Blush

Lobularia

Easy Breezy™ Pink
Easy Breezy™ Purple
Easy Breezy™ White

Mecardonia

Little Sunshine

Nemesia

Aromatica™ Rose Pink
Aromatica™ Royal Blue
Aromatica™ White

Osteospermum

Blue Eyed Beauty
Blushing Beauty
Serenity™ Bronze
Serenity™ Coral Magic
Serenity™ Dark Purple
Serenity™ Deep Yellow
Serenity™ Lavender Frost
Serenity™ Lemonade
Serenity™ Pink
Serenity™ Pink Magic
Serenity™ Red
Serenity™ Rose Magic
Serenity™ White
Voltage™ White
Voltage™ Yellow

Perilla

Magilla™ Purple

Petunia

Black Magic
Cascadias™ Indian Summer
Cha-Ching Cherry
ColorBlitz™ Amethyst
ColorBlitz™ Blue
ColorBlitz™ Blue Stardust
ColorBlitz™ Blue
ColorBlitz™ Blue Starburst
ColorBlitz™ Blue
ColorBlitz™ Lavender Shades
ColorBlitz™ Ocean Blue
ColorBlitz™ Pinkceptional
ColorBlitz™ Purple
ColorBlitz™ Red
ColorBlitz™ Rose Stardust
ColorBlitz™ Sky Blue

Balsolaredar
Balsotowac
Balsotowim
Balspotack
Balspotbart
Balspotime
Balspotmart
Balspotred

Baloomang
UF1013A2A
UF10112
Dallas Red
Balancit
Balandgold
Balancedred
Balandroglim
Balandsunrim
Balucwhit
Balucyell
Fortanapi
Ballucream
Ballucor
Balluceagl
Ballucgold
Balluced
Balucraim
Balucrav
Balucsmow
Balucpea20
Balucgold
Balucpure
Baluced
Balandrise
Balucwite
Balucmyel

Petunia x calibrachoa (Petchoa)

SuperCal® Artist Rose
SuperCal® Blue
SuperCal® Blushing Pink
SuperCal® Cherry
SuperCal® Crimson Red
SuperCal® Lavender Star
SuperCal® Light Yellow
SuperCal® Neon Rose
SuperCal® Pink
SuperCal® Pink Ice
SuperCal® Purple
SuperCal® Salmon Glow
SuperCal® Terra Cotta
SuperCal® Violet
SuperCal® Premium Bordeaux
SuperCal® Premium Caramel Yellow
SuperCal® Premium Cinnamon
SuperCal® Premium French Vanilla
SuperCal® Premium Sunray Pink

Plectranthus

Mona Lavender
Nico
Nicolleta

Purslane

Rio Grande™ Magenta
Rio Grande™ Orange
Rio Grande™ Scarlet
Rio Grande™ White
Rio Grande™ Yellow

Salvia

Black & Bloom
Mystic Spires
Mystic
Purple & Bloom
Roman Red

Scaevola

Bondi™ Blue
Bondi™ White
Brilliant
White Sparkle

Thunbergia

Sunny™ Arizona Glow
Sunny™ Lemon Star
Sunny™ Orange Wonder

Torenia

Summer Wave® Large Amethyst
Summer Wave® Large Blue
Summer Wave® Large Silver
Summer Wave® Large Violet

Flortunsw
KLEPH15261
Balcushu
Balcushmers
Balcushink
Balcushinein
Balcushurp
Balcushware
Balcushite

Kirimaji Double Blue Vein
Kirimaji Double Pink Vein
Kirimaji Double Purple
Kirimaji Double Red
Kirimaji Double Rose
Kirimaji Double White
Jelly Roll
Balpelite
M/YOPE EA109-2
Balpephan
Balpepin
Balpetagim
Balperblues
Balpsunlu
Balpsunbur
Balpsunbor
Balpsunlar
Balpsunpei
KLEPH11199
Balpsunpice
Balpsunurst
Balpsunrast
Balpsunredim
Balpsunwhit
KLEPH13238

Verbena

Burgundy Wink
Cadet Upright™ Hot Pink Wink
Cadet Upright™ Lavender Blue
Cadet Upright™ Magenta Wink
Cadet Upright™ Pink
Cadet Upright™ Purple
Cadet Upright™ Red
Cadet Upright™ Violet Blue
Cadet Upright™ White
EnduraScape™ Blue
EnduraScape™ Dark Purple
EnduraScape™ Hot Pink
EnduraScape™ Magenta
EnduraScape™ Pink Bicolor
EnduraScape™ Pink Fizz
EnduraScape™ Purple
EnduraScape™ Red
EnduraScape™ White
EnduraScape™ White Blush
Firehouse™ Burgundy
Firehouse™ Grape
Firehouse™ Lavender
Firehouse™ Light Pink
Firehouse™ Pink
Firehouse™ Purple
Firehouse™ Purple Fizz
Firehouse™ Red
Firehouse™ White
Violet Wink

Florbenacher
Balcadotinw
Balcadavlu
Balcadentwi
Balcadpink
Balcadurp
Balcadred
Balcadetlu
Balcadite

Balenduium
Balendakle
Balendopin
Balendmag
Balendipibi
Balendinz
Balendurim
Balendred
Balendwite
Balendish
Balfireburgim
Balfirerape
Balfirelav
Balfireltpi
Balfireinkim
Balfirepur
Balendred
Balfireitim
KLEVP12449

Licensed Propagation

A propagation license is a royalty bearing license that must be signed and returned to receive stock plants or take cuttings.

A propagation license is only available for Ball FloraPlant Geranium and New Guinea Impatiens varieties. Propagation of these varieties without a license is strictly prohibited.

Contact information to obtain a propagation license:

U.S. Growers:
Royalty Administration International
10501 Ben C. Pratt / Six Mile
Cypress Parkway, Suite #103,
Fort Myers, FL 33966
Phone: (800) 472-4724 / (239) 278-9917;
Fax: (239) 278-4833;
Email: info@rai-na.com

Canada Growers:
Ball Licensing Administration at
(630) 588-3111 or (630) 588-3311.

Licensed Propagation Terms

- Any cuttings taken from the licensed plants must be used for finished production only.
- Any and all growing done under this license must be performed solely at the "ship to" address as shown on the shipping documents for the licensed plants.
- Any and all growing done under this license shall be solely for the purpose of producing flowering (finished) plants for U.S. and Canada sales.
- "Finished Plants" are defined as plants
- grown in a 3-in. (7.5-cm) size pot/ container or larger.
- Licensee is not allowed to sell or transfer to any party unrooted cuttings, rooted cuttings, or young (prefinished) plants of these varieties at any time.

Licensed Varieties

Commercial Name **Variety Name**

Geranium

Dynamo™ Dark Red BFP-838 Dark Red
Dynamo™ Dark Salmon Sil Gatwig
Dynamo™ Hot Pink ToscaQ488
Dynamo™ Light Pink Sil Gesa
Dynamo™ Orange TOSTO0563
Dynamo™ Pink Flare TOSTB2057
Dynamo™ Purple Sil Merle
Dynamo™ Red Improved TOSTC0600
Dynamo™ Salmon Tosdynsal
Dynamo™ Scarlet Sil Friesia
Dynamo™ Violet Tosdynio
Dynamo™ White Tosdynwitim
Fantasia® Appleblossom Tosfanbloss
Fantasia® Cardinal Red Balfanincar
Fantasia® Cranberry Sizzle Tosfanocriz
Fantasia® Dark Red Improved TOSTD0342
Fantasia® Flamingo Rose Tosfanflam
Fantasia® Fuchsia Berry TOSTD0414
Fantasia® Neon Rose Balfanero
Fantasia® Orange TOSTD0188
Fantasia® Pink Tosfanpink
Fantasia® Pink Flare TOSTD0532
Fantasia® Purple Sizzle Sil Baldo 448
Fantasia® Salmon Sil Sören
Fantasia® Scarlet Tosfanscarim
Fantasia® Shocking Pink Balfanshoci
Fantasia® Strawberry Sizzle Sil Claudio
Fantasia® Violet Balfaninmio
Fantasia® White Toscat0535
Focus™ Burgundy Florpeltburg
Focus™ Hot Pink Tosfohopi
Focus™ Red Toscat1141
Focus™ Red Ice Tosforice
Focus™ Rose Florpelttipu
Galaxy™ Dark Red TOSTD0388
Galaxy™ Pink TOSTC0258
Galaxy™ Purple TOSTD0460
Galaxy™ Red TOSTD0661
Galaxy™ Salmon TOSTD0145
Galaxy™ Violet TOSTD0407
Galaxy™ Watermelon TOSTD0451
Galaxy™ White TOSTD0029
Precision™ Burgundy Balcolbungi
Precision™ Burgundy Ice Sil Nixe Red
Precision™ Dark Burgundy KLEP01042
Precision™ Dark Salmon KLEPP08218
Precision™ Lavender Blue Florpeltlav
Precision™ Pink Tosprelipim
Precision™ Pink Flamingo Toscat1068
Precision™ Red TOSTB1414
Precision™ Red Ice Sil Chris
Precision™ Rose Tosprerose
Precision™ Ruby Sil Ruben
Precision™ White Red Eye Sil Insa
Presto™ Brilliant Red KLEPZ08224
Presto™ Dark Fuchsia KLEPZ05137
Presto™ Dark Red Tospreddared
Presto™ Dark Salmon KLEPZ08220
Presto™ Deep Scarlet Sil Ronja
Presto™ Light Salmon KLEPZ09251
Presto™ Pink Balshopink
Presto™ Pink+Eye KLEP01007
Presto™ Pink Sizzle Sil Linus
Presto™ Rose Sizzle Balshorozle
Presto™ Violet KLEPZ07200
Presto™ White Sil Cato

New Guinea Impatiens
Celebration Apricot Balcelapt
Celebration Bright Salmon Balcelbrsal
Celebration Deep Red BFP-523 Deep Red
Celebration Electric Rose Balcelelro
Celebration Icy Blue Balcebibu
Celebration Lavender Glow Balcelavgo
Celebration Orange BFP-605 Orange
Celebration Pink Balcelimpik
Celebration Purple Star Balcalipurt
Celebration Rose Star Balcelrost
Celebration Tropical Peach Balceltrop
Celebration White Balcelwhit
Clockwork™ Appleblossom DANCEL877
Clockwork™ Cherry Strike Balclonke
Clockwork™ Hot Pink Glow Balclhohpi
Clockwork™ Lavender Balclolav
Clockwork™ Orange Balceborushi
Clockwork™ Orange Stripe Balceboripi
Clockwork™ Pink Star Balceborcar
Clockwork™ Purple Balceborushi
Clockwork™ Red Balcebredim
Clockwork™ Rose Balclorose
Clockwork™ White Balclowite

TERMS & CONDITIONS OF SALE

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

ACCEPTANCE OF TERMS

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

LIMITATION OF WARRANTY

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

LIMITATION OF REMEDY

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

MANDATORY ARBITRATION

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

GOVERNING LAW, JURISDICTION & VENUE

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

INDEMNITY

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

MINIMUM ORDERS

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

PRICES

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

PAYMENT

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

FREIGHT & HANDLING CHARGES, INSPECTION, DAMAGED GOODS

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

When Purchaser receives shipment:

- 1) Count all cartons.
- 2) Inspect all cartons for external damage.
- 3) Check for open or resealed cartons.
- 4) Note any damages, shortages, open or resealed cartons on the delivery receipt; the carrier's representative must also sign the receipt.
- 5) Open all boxes immediately and inspect for damage due to weather related issues such as scorched, frozen or broken plants; material shortages; etc. NOTIFY SELLER IMMEDIATELY IF A SHIPMENT IS DAMAGED.

Call the Ball Traffic Department at **800 879-BALL** to report the damage and receive details on what is needed to file a claim. Damaged unrooted cuttings will be replaced by Ball FloraPlant. Damaged rooted cuttings will be replaced by Ball Seed.

CANCELLATION POLICY

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

NOTICE & RETURN

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

DELAYS, SHORTAGES & SUBSTITUTIONS

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

PLANT PROTECTION

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

TRADEMARKS

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

SALES LIMITATIONS

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

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

Discontinued Ball FloraPlant Varieties for 2020

| VARIETY | RECOMMENDED REPLACEMENT |
|---|---|
| Bacopa MegaCopa™ Pink | Bacopa MegaCopa™ Pink Improved |
| Bacopa MegaCopa™ Versa White | Bacopa Versa™ White |
| Bidens Bee Happy | Bidens Bee Happy™ Red Improved |
| Calibrachoa Cabaret® Coral Kiss | Calibrachoa Cabaret® Diva Orange |
| Calibrachoa Cabaret® Light Pink Kiss | Calibrachoa Cabaret® Light Pink Kiss Improved |
| Calibrachoa Cabaret® Orange | Calibrachoa Cabaret® Orange Improved |
| Calibrachoa Cabaret® Pink | Calibrachoa Cabaret® Pink Improved |
| Calibrachoa Cabaret® Purple Heart | Calibrachoa Can-Can® Bumble Bee Blue |
| Calibrachoa Cabaret® Rose | Calibrachoa Cabaret® Rose Improved |
| Calibrachoa Cabaret® Rose Kiss | Calibrachoa Cabaret® Neon Rose |
| Calibrachoa Conga™ Sun Kiss | Calibrachoa Conga™ Coral Kiss |
| Dahlia Gardenetta™ Dark Red | No Replacement in BFP catalog |
| Dahlia Gardenetta™ Lavender Swirl | No Replacement in BFP catalog |
| Dahlia Gardenetta™ Passion Fruit | No Replacement in BFP catalog |
| Geranium, Ivy Precision™ Scarlet Red | Geranium, Ivy Precision™ Red |
| Geranium, Zonal Allure™ Hot Coral | Geranium, Zonal Dynamo™ Orange |
| Geranium, Zonal Allure™ Light Pink | Geranium, Zonal Galaxy™ Pink |
| Geranium, Zonal Allure™ Lilac Chiffon | Geranium, Zonal Galaxy™ Pink |
| Geranium, Zonal Allure™ Pink Sizzle | Geranium, Zonal Galaxy™ Watermelon |
| Geranium, Zonal Allure™ Purple Rose | Geranium, Zonal Galaxy™ Purple |
| Geranium, Zonal Allure™ Salmon | Geranium, Zonal Galaxy™ Salmon |
| Geranium, Zonal Allure™ Scarlet | Geranium, Zonal Galaxy™ Red |
| Geranium, Zonal Allure™ Tangerine | Geranium, Zonal Dynamo™ Orange |
| Geranium, Zonal Allure™ White | Geranium, Zonal Galaxy™ White |
| Geranium, Zonal Dynamo™ Raspberry Sizzle | Geranium, Zonal Dynamo™ Pink Flare |
| Geranium, Zonal Dynamo™ Red | Geranium, Zonal Dynamo™ Red Improved |
| Geranium, Zonal Fantasia® Coral | Geranium, Zonal Fantasia® Orange |
| Geranium, Zonal Fantasia® Dark Red | Geranium, Zonal Fantasia® Dark Red Improved |
| Geranium, Zonal Fantasia® Raspberry Twizzle | Geranium, Zonal Fantasia® Pink Flare |
| Ipomoea SolarTower™ Lime | Ipomoea SolarTower™ Lime Improved |
| Lantana Little Lucky™ Pink | Lantana Little Lucky™ Peach Glow |
| MixMasters™ A Grape Fit! | MixMasters™ A Grape Fit! Improved |
| MixMasters™ Bejeweled | MixMasters™ Bejeweled Improved |
| MixMasters™ Circus Parade | MixMasters™ Circus Parade Improved |
| MixMasters™ Color Magic | MixMasters™ Color Magic Improved |
| MixMasters™ Flower Child | MixMasters™ Fashionista |
| MixMasters™ Fruit Cocktail | MixMasters™ Fruit Cocktail Improved |
| MixMasters™ Heartland | MixMasters™ Heartland Improved |
| MixMasters™ Jazzberry Jam | MixMasters™ Jazzberry Jam Improved |
| MixMasters™ Laguna Beach Improved (2019) | MixMasters™ Laguna Beach Improved (2020) |
| MixMasters™ Mambo | MixMasters™ Mambo Improved |
| MixMasters™ Panorama | MixMasters™ Panorama Improved |
| MixMasters™ Peaches & Cream | MixMasters™ Tropicali Improved |
| MixMasters™ Playdate | MixMasters™ Playdate Improved |
| MixMasters™ Pink Outside the Box | MixMasters™ Pink Outside the Box Improved |
| MixMasters™ Rosé Everyday Improved (2019) | MixMasters™ Rosé Everyday (2020) |
| MixMasters™ Santa Fe Sunset | MixMasters™ Santa Fe Sunset Improved |
| MixMasters™ Sunday Best | MixMasters™ Jazzberry Jam Improved |
| MixMasters™ Tropicali | MixMasters™ Tropicali Improved |
| Osteospermum Serenity™ Spring Day | Osteospermum Serenity™ Pink Magic |
| Petunia ColorBlitz™ Redtastic | Petunia ColorBlitz™ Red |

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