



2023

Baï FloraPlant®

INNOVATION & EXPANSION

Innovative Products

We're excited to bring to market NEW Glimmer™ Double Impatiens – the first series of vegetative double impatiens with **high resistance** to downy mildew! The series is a breakthrough in breeding and solves a problem for our growers and consumers. Plus, NEW Glimmer™ Double Impatiens are available in 7 eye-catching colors.



You'll also want to check out NEW SureShot™ – our newest lineup of super-uniform petunias! With a 7-day flowering window for all varieties and matching habit and flower size, you can count on these colorful stunners to add flower power to your hanging baskets, patio pots and combinations.



Expanding Locations

At Ball FloraPlant®, we continue to invest in the future by constructing an additional unrooted cutting geranium farm that we're calling YecaFlora in Yecapixtla, Mexico.



YecaFlora

During this multi-year construction project, we will transition our geraniums from our farm in Guatemala to YecaFlora, to provide you the same exceptional supply and consistent delivery that you have come to expect from Ball FloraPlant.

By moving our supply to Mexico, we can provide you with improved options for delivery by truck to the U.S. border and better access to Air Freight.

As we embark on a new year, we remain committed to bringing you innovative genetics reliably supplied from our unrooted cutting farms. You can count on us to help your business run smoothly.

We value your business and look forward to a successful season of growing together.



Mike Klopmeier
President



Leland Toering
Sales Manager

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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.



UNIFORM TIMING & HABIT
 Indicates varieties within a series that share uniform timing and habit.



EARLY FLOWERING TIME



SUN EXPOSURE
 Full Sun (6+ hours of direct sunlight)
 Full Shade (6+ hours of shade)
 Sun/Shade (less than 4 hours of sun)

THINGS TO SEE IN 2023

Cabaret® Midnight Kiss Calibrachoa

This early-flowering series for larger pots and baskets gets a unique, deep purple bloom with a bright star pattern. (Page 44)



MixMasters™ Hot Spell

Combining angelonia, lantana and cuphea, this new mix can take the heat and stay in color all season long! (Page 22)

Glimmer™ Burgundy Double Impatiens

New double impatiens series has vibrant, rose-like blooms, and it's highly resistant to Impatiens downy mildew! (Page 80)



MicroBlaze™ Matchsticks Coleus

A controlled habit with high impact color makes this variety an exciting addition to the new micro coleus collection. (Page 52)



Cabaret® Strawberry Parfait Calibrachoa

A cheerful pinky-rose bloom joins the best-performing lineup of solid and novelty calibrachoa colors on the market. (Page 44)



SureShot™ Blueberries & Cream Petunia

This all-new, medium-vigor, uniform series is great for pots and hanging baskets. Available in 6 bold colors. (Page 122)

Trialed & Approved

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

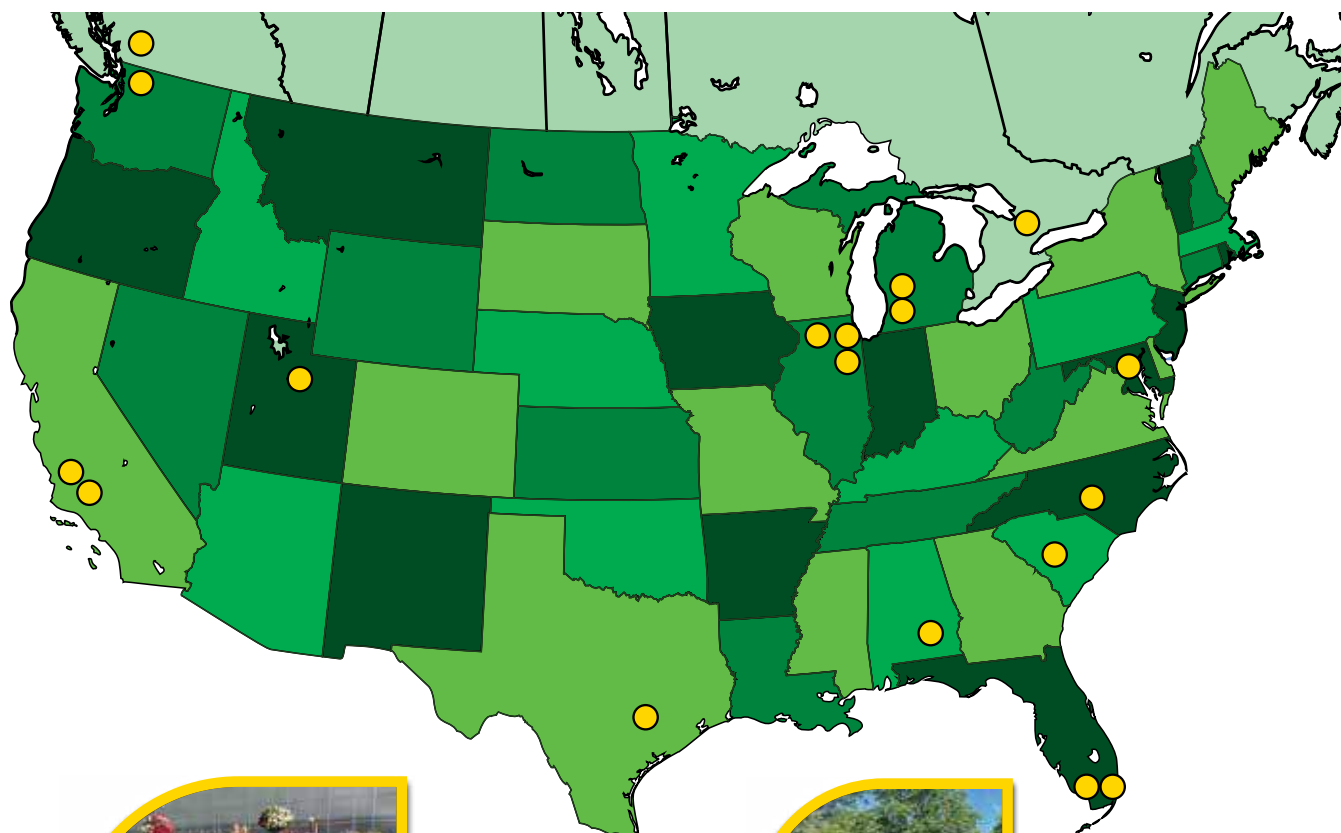
Setting the Standard

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



Our Trial Sites

Ball FloraPlant’s trial sites are chosen by region to better evaluate the performance of our products before launch. Based on these trial results, we are confident that we’re providing you with the best-performing new varieties for your area.



TRIAL SITES

Ball FloraPlant Breeding Station
Arroyo Grande, CA

Ball Seed Greenhouse • West Chicago, IL

Bell Nursery • Burtonsville, MD

Costa Farms • Miami, FL

George Sant & Sons Greenhouses
Kleinburg, ON Canada

In-ground Evaluation Trial • Santa Paula, CA

In-ground Summer Trial • Elburn, IL

Mast Young Plants • Grand Rapids, MI

Masterpiece Flower Company
Byron Center, MI

Metrolina Greenhouses • Huntersville, NC

Olson’s Greenhouse Gardens • Salem, UT

Overwintering Trial of EnduraScape
Trenton, SC

Plant Odyssey • Kyle, TX

Pure Beauty • Miami, FL

Rainbow Greenhouses
Chilliwack, BC Canada

Smith Gardens • Marysville, WA

Summer Container Trial • West Chicago, IL

Young’s Plant Farm • Auburn, AL

Unrooted Supply

Sourced from our most reliable farm.

Located in Estelí, 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.

- Impressive **99.9% order fill rate**
- Previous winner of **Innovator of the Year award** by the Nicaraguan Export Producers Association, putting them at **the top of Nicaraguan industry**
- **State-of-the-art facility** designed to prevent insects, diseases and bacteria from entering the greenhouses
- New, **leading-edge production software**, MPRISE Agriware, improves the speed of communication to our growers and prepares us for future growth
- For **sustainability**, the farm grows in reusable, sterilized volcanic rock, and recycles and sterilizes water before reuse
- **Highly skilled labor force** makes sure every bag of cuttings is tracked, and approximately 15% of all bags are inspected for **accuracy of count and quality**
- The goal is to deliver them **within 36 to 48 hours**
- We have secured a delivery service out of Nicaragua to **supply the North American marketplace** and consistently serve our customers



ALEX MENESES
Offshore Production Director



FLORICULTURA

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

YECAFLORA GERANIUM FARM

Construction is underway on our new geranium farm near the town of Yecapixtla, Mexico. The land sits on 50 acres in a perfect climate to grow geraniums. The new location allows us to ship via truck to the U.S. border, ensuring that the cold chain is maintained. **We are excited to bring you this new supply option in 2023!**

Certification

- All of our farms are **MPS-A** certified for responsible use of crop protection agents, fertilizers, energy and waste.
- Las Limas is **MPS-GAP** certified to promote good agricultural practices.

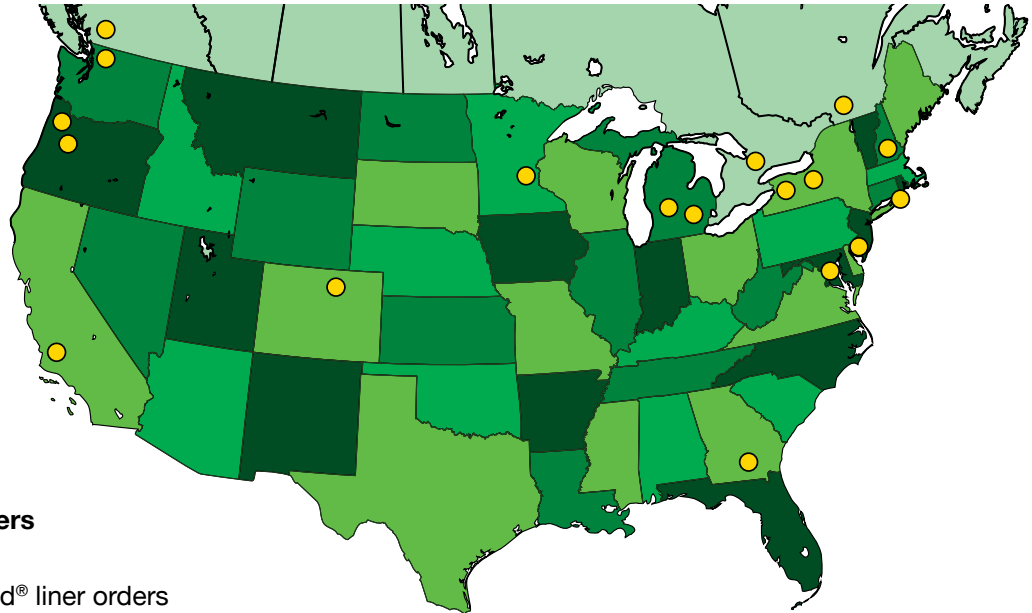


Rooted Supply

All you need, direct to you.

We provide on-time delivery of the highest-quality rooted cuttings. Products are available through our **reliable liner source** with regional shipping, providing:

- Accurate inventory
- Timely order confirmations and shipment tracking
- Priority service on shortages and substitutions
- **99% of our liner orders are filled on time**
- Over 90% of Ball Seed® liner orders are shipped via our suppliers' climate-controlled truck delivery system



ROOTED CUTTING SUPPLIERS

CALIFORNIA

Ball Tagawa Growers
Arroyo Grande (SG, MM)

COLORADO

Tagawa Greenhouse
Brighton (GE, SG, MM)

GEORGIA

Sunbelt Greenhouses, Inc.
Douglas (SG, MM)

MARYLAND

Greenstreet Growers
Lothian (SG, MM)

MICHIGAN

Mast Young Plants
Grand Rapids (GE, SG, MM)
Tuinier Brothers Greenhouses
Kalamazoo (GE, SG)

MINNESOTA

Wagner Greenhouses
Minneapolis (GE, SG, MM)

NEW HAMPSHIRE

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

NEW JERSEY

Lucas Greenhouses
Monroeville (SG, MM)

NEW YORK

Dickman Farms
Auburn (GE, SG, MM)
Van de Wetering Greenhouses, Inc.
Jamesport (GE, SG, MM)
Amos Zittel & Sons
Eden (GE, SG)

OREGON

Al's Garden Center & Greenhouse
Woodburn (GE)

Fessler Nursery
Woodburn (SG, MM)

WASHINGTON

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

CANADA

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

ONTARIO

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

QUÉBEC

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

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

Mix MASTERS™



Becky Lacy

Product Manager

“Tried. Tested. Approved.
This is our **promise**.”

Like all Ball FloraPlant introductions, MixMasters™ are selected for ultimate performance. Focus is placed on matching cultural requirements in propagation, playing well together during the growing process, eye-catching appeal at retail and success for the gardener.

This year, MicroBlaze™ Spitfire Coleus gets the spotlight in NEW Fire Dancer, which uses hot colors from the compact calibrachoa series, Conga™, to create a unique blend of textures and color.”

Additional guidelines for selections include:

Regionality

Focus is placed on product solutions for the North, South and anywhere in between.

Seasonality

Many options are provided for early and late-season sales, placing importance on early-to-flower varieties as well as heat performance.

Timing

Varieties must flower together in the beginning and go out of flower together at the end of the season.

Vigor

All components in the mix must be comparable in vigor, so one component doesn't outgrow another.

Longevity

It must provide continuous blooming well after the customer brings it home from retail.

SUN COMBOS (MULTI-SPECIES)



10 A Grape Fit!



10 **NEW** Bejeweled Improved



10 Berry Basket



11 **NEW** Biden My Time Improved



11 **NEW** Big Flirt Improved



11 **NEW** Bloomin' Glory



11 **NEW** Color Magic Improved



12 Eye Caramba



12 Fashionista



20 **NEW** Fire Dancer



12 Gimme Some Sugar



12 Great Escape



13 **NEW** Heartland Improved



13 I Heart Pink



13 Jazzberry Jam



13 Kiss Me Good Night



14 Mambo



14 **NEW** Over the Top Improved



14 **NEW** Paradise Sunrise Improved



14 Peach of My Heart



15 **NEW** Rosé Everyday Improved



15 Santa Fe Sunset



15 Shoot the Breeze



15 **NEW** Sunnyside Improved

SUN COMBOS (MONO-SPECIES)



16 Cherry Plum Tart



20 NEW Conga Line



16 Diva La Vida



16 Fruit Cocktail



20 NEW Home Sweet Home



16 Laguna Beach



17 Oh Beehave!



17 Panorama Improved



17 NEW Powers That Bee



20 NEW Rainbow Bright Improved



17 Rush Hour



18 Spirits United



18 Spring Showers



18 Sprinkles On Top



18 NEW Sundance Improved



20 NEW Sunshine State Improved



19 Sweet Melody



19 Tart Deco



19 NEW Tea Party Improved



19 Touch Of Sugar



19 Tropicali

SEASON EXTENDERS



21 NEW Berrytones



21 Bloom Of Allegiance



22 Gold Plated



22 NEW Hot Spell



22 Lucky Charm



22 Patriotic Heart



23 Porch Patriot



23 Retro Summer



23 Shindig

SUN & SHADE COMBOS



24 5 Alarm Chili



24 NEW Amped Up



24 NEW Fire & Spice



25 The Whole Enchilada

SHADE COMBOS



25 NEW Glimmerazzi

Sun Combos

Multi-Species - Multiliners

A Grape Fit! ☀️

Cabaret® Neon Rose Calibrachoa
CannonBall™ Rose Vein Petunia
Firehouse™ Purple Verbena

NEW Bejeweled Improved ☀️

NEW Cabaret®
Yellow Calibrachoa
CannonBall™ Burgundy Petunia
Firehouse™ Purple Verbena

Berry Basket ☀️

Burgundy Wink Verbena
Cabaret® White Calibrachoa
CannonBall™ Burgundy Petunia



A Grape Fit!



Bejeweled Improved



Berry Basket



NEW

Biden My Time Improved

NEW Biden My Time Improved ☀️

Bee Happy™ Red Bidens

NEW Cabaret® Yellow Calibrachoa

Firehouse™ Red Verbena

NEW Big Flirt Improved ☀️

ColorRush™ Blue Petunia

EnduraScape™

Pink Bicolor Verbena

NEW SuperCal® Pink Improved Petchoa



NEW

Big Flirt Improved

NEW Bloomin' Glory ☀️

Cabaret® Midnight Blue Calibrachoa

CannonBall™ Red Petunia

Firehouse™ White Verbena

NEW Color Magic Improved ☀️

NEW Cabaret® Yellow Calibrachoa

Early Springs™ Dark Blue Lobelia

Firehouse™ Red Verbena



NEW

Bloomin' Glory



NEW

Color Magic Improved

MIXMASTERS • SUN • MULTI

Eye Caramba ☀️

Bluerific Petunia
Cabaret® White Calibrachoa
Violet Wink Verbena

Fashionista ☀️

CannonBall™ Burgundy Petunia
Early Springs™
Dark Blue Lobelia
MixMaster Hot Pink Verbena

Gimme Some Sugar ☀️

Bee's Knees Petunia
Early Springs™
Dark Blue Lobelia
MixMaster™ Hot Pink Verbena

Great Escape ☀️

Bee's Knees Petunia
Cha-Cha™ Diva
Hot Pink Calibrachoa
Firehouse™ Burgundy Verbena



Eye Caramba



Fashionista



Gimme Some Sugar



Great Escape



NEW

Heartland Improved

NEW Heartland Improved

CannonBall™ White Petunia
Firehouse™ Red Verbena

NEW Lobelia Early Springs™ Blue

I Heart Pink ☀️

Cabaret® Light Pink Calibrachoa
CannonBall™ Pink Petunia
MixMaster™ Hot Pink Verbena

Jazzberry Jam ☀️

Cabaret® White Calibrachoa
CannonBall™ Burgundy Petunia
Firehouse™ Purple Verbena

Kiss Me Good Night ☀️

Cabaret® Good Night Kiss Calibrachoa
Firehouse™ Purple Verbena
Sun Drop Bidens



I Heart Pink



Jazzberry Jam



Kiss Me Good Night

MIXMASTERS • SUN • MULTI

Mambo ☀️

Cabaret® Orange Calibrachoa
 CannonBall™ Pink Petunia
 Sun Drop Bidens

NEW Over the Top Improved

Burgundy Wink Verbena

NEW Cabaret®

Yellow Calibrachoa
 CannonBall™ Blue Petunia

NEW Paradise Sunrise Improved ☀️

NEW Cha-Cha™

Yellow Calibrachoa
 Firehouse™ White Verbena
 Pinkceptional Petunia

Peach of My Heart ☀️

Cabaret® Deep
 Yellow Calibrachoa
 EnduraScape™ Blue Verbena
 SunPatience® Compact
 Orange Impatiens



Mambo



Over the Top Improved



Paradise Sunrise Improved



Peach of My Heart



NEW

Rosé Everyday Improved

NEW Rosé Everyday Improved ☀️

NEW Cabaret® Pink Improved Calibrachoa
CannonBall™ Pink Petunia
MegaCopa™ White Bacopa

Santa Fe Sunset ☀️

Cabaret® Orange Calibrachoa
Firehouse™ Purple Verbena
Sun Drop Bidens

Shoot the Breeze ☀️

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

NEW Sunnyside Improved ☀️

Bee's Knees Petunia

NEW Cabaret® Yellow Calibrachoa
Firehouse™ White Verbena



Santa Fe Sunset



Shoot the Breeze



NEW

Sunnyside Improved

Sun Combos

Mono-Species - Multiliners

Cherry Plum Tart ☀️

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



Cherry Plum Tart

Diva La Vida ☀️

Cha-Cha™ Deep
Blue Calibrachoa
Cha-Cha™ Diva
Hot Pink Calibrachoa



Diva La Vida



Fruit Cocktail

Fruit Cocktail ☀️

Cabaret® Deep
Yellow Calibrachoa
Cabaret® Hot Pink Calibrachoa
Cabaret® Orange Calibrachoa

Laguna Beach ☀️

Cabaret® Lavender Calibrachoa
Cabaret® Orange Calibrachoa
Cabaret® Red Calibrachoa

Oh Beehave! ☀️

Bee's Knees Petunia
Midnight Gold Petunia

Panorama Improved ☀️

Cabaret® Hot Rose Calibrachoa
Cabaret® Purple Calibrachoa
Cabaret® White Calibrachoa

NEW Powers That Bee ☀️

Calibrachoa Bumble Bee™ Blue
Calibrachoa Bumble Bee™
Hot Pink

Rush Hour ☀️

ColorRush™ Pink Petunia
ColorRush™ Pink Vein Petunia



Laguna Beach



Oh Beehave!



Panorama Improved



NEW

Powers That Bee



Rush Hour

MIXMASTERS • SUN • MONO

Spirits United

Cabaret® Bright Red Calibrachoa
Cabaret® Deep Blue Calibrachoa
Cabaret® White Calibrachoa

Spring Showers

Cabaret® Lavender Calibrachoa
Cabaret® Lemon
Yellow Calibrachoa
Cabaret® Light Pink Calibrachoa

Sprinkles On Top

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

NEW Sundance Improved

NEW Cabaret®
Hot Rose Calibrachoa
Cabaret® Midnight
Blue Calibrachoa
NEW Cabaret®
Yellow Calibrachoa

Sweet Melody

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

Tart Deco

ColorRush™ Blue Petunia
ColorRush™ Pink Petunia

NEW Tea Party Improved

Cabaret® Lemon
Yellow Calibrachoa
NEW Cabaret® Pink Star
Improved Calibrachoa

Touch Of Sugar

ColorRush™ Pink Petunia
ColorRush™ White Petunia

Tropicali

Cabaret® Bright Red Calibrachoa
Cabaret® Deep
Yellow Calibrachoa
Cabaret® Orange Calibrachoa



Spirits United



Spring Showers



Sprinkles On Top



Sundance Improved



Sweet Melody



Tart Deco



Tea Party Improved



Touch Of Sugar



Tropicali

Compact Sun Combos

Multi & Mono-Species - Mult liners

MULTI-SPECIES

NEW Fire Dancer ☀️

Conga™ Cherry Calibrachoa

NEW Conga™ Yellow Calibrachoa

MicroBlaze™ Spitfire Coleus

MONO-SPECIES

NEW Conga Line ☀️

Conga™ Red Calibrachoa

NEW Conga™ Yellow Calibrachoa

Conga™ Dark Blue Calibrachoa

NEW Home Sweet Home ☀️

Conga™ Red Calibrachoa

NEW Conga™ White Improved Calibrachoa

Conga™ Dark Blue Calibrachoa

NEW Rainbow Bright Improved

Conga™ Dark Blue Calibrachoa

NEW Conga™ Rose Improved Calibrachoa

NEW Conga™ Yellow Calibrachoa

NEW Sunshine State Improved ☀️

NEW Conga™ Diva Orange Calibrachoa

NEW Conga™ Yellow Calibrachoa



Fire Dancer



Conga Line



Home Sweet Home



Rainbow Bright Improved



Sunshine State Improved

Season Extenders

Multiliners



NEW Berrytones ☀️

- Archangel™
- Cherry Red Angelonia
- Archangel™ Raspberry Angelonia
- AngelMist® Spreading
- Dark Purple Angelonia

Bloom Of Allegiance ☀️

- AngelMist® Spreading
- White Angelonia
- Lucky™ Red Lantana
- Blue Brilliance Scaevola

NEW

Berrytones



Bloom Of Allegiance

MIXMASTERS • SEASON EXTENDER



Gold Plated



Hot Spell



Lucky Charm



Patriotic Heart

SEASON EXTENDER • MIXMASTERS



Porch Patriot

Gold Plated ☀️

Archangel™ Blue
Bicolor Angelonia
Lucky™ Pot Of Gold Lantana
White Sparkle Scaevola

NEW Hot Spell ☀️

Archangel™ Dark Rose Angelonia
Honeybells Cuphea

NEW Landmark™ Gold Improved Lantana

Lucky Charm ☀️

Lucky™ Flame Lantana
Lucky™ Pot Of Gold Lantana
Lucky™ Sunrise Rose Lantana

Patriotic Heart ☀️

AngelMist® Spreading
Dark Purple Angelonia
AngelMist® Spreading
White Angelonia
Archangel™
Cherry Red Angelonia



Retro Summer

Porch Patriot ☀️

Archangel™ Raspberry Angelonia
Lucky™ Yellow Lantana
Blue Brilliance Scaevola

Retro Summer ☀️

RíoGrande™ Orange Purslane
RíoGrande™ Scarlet Purslane
RíoGrande™ Yellow Purslane

Shindig ☀️

Archangel™ Dark
Purple Angelonia
Blue Brilliance Scaevola
Lucky™ Red Lantana



Shindig

Sun & Shade

Mult liners

5 Alarm Chili

- FlameThrower™
- Chili Pepper Coleus
- FlameThrower™
- Habanero Coleus
- FlameThrower™
- Spiced Curry Coleus

NEW Amped Up

- Trusty Rusty Coleus
- Vino Coleus
- Wasabi Coleus

NEW Fire & Spice

- FlameThrower™
- Cajun Spice Coleus
- FlameThrower™
- Habanero Coleus
- FlameThrower™
- Salsa Verde Coleus



5 Alarm Chili



NEW

Amped Up



NEW

Fire & Spice



The Whole Enchilada ☀️ ●
FlameThrower™
Habanero Coleus
FlameThrower™
Salsa Verde Coleus

The Whole Enchilada

Shade

Mult liners



NEW Glimmerazzi 🌈 ●
NEW Glimmer™ Bright Red
Double Impatiens
NEW Glimmer™ White
Double Impatiens



Glimmerazzi

ANGELONIA

AngelDance™

Tall and elegant, even in the heat



Fuchsia Bicolor

ANGELONIA



Violet Bicolor

ANGELONIA

Angelonia angustifolia

AngelDance™

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

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

Thrives in extreme heat, humidity and drought.

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

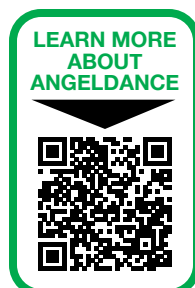
Well-branched plants ship with less breakage, tangling and shrinkage.

Excellent landscape performance.

Taller and more vigorous than Archangel, with more flexible stems.

NEW Fuchsia Bicolor: Brings an exciting bicolor to the series.

NEW Violet Bicolor: Features a unique bicolor with violet and white blooms.



ANGELONIA

Archangel™

Heat-loving flowers with the biggest blooms

SEASON
EXTENDER



Raspberry



White Improved



Blue Bicolor



Cherry Red

ANGELONIA ☀️
Angelonia angustifolia

Archangel™

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

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 White Improved: Better branching with more flower power and larger flowers.



Coral



Dark Purple



Dark Rose



Pink



Purple



Raspberry

ANGELONIA

AngelMist® Spreading

Super-spreading display in baskets and landscapes

SEASON
EXTENDER



Dark Purple

ANGELONIA



Berry Sparkler



Bluebird



Dark Purple



Pink



White

ANGELONIA ☀

Angelonia angustifolia

AngelMist® Spreading

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

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.

ANGELONIA

ANGELONIA ☀️
Angelonia angustifolia

Angelissa™

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

Makes an ideal component plant for SunPatiens® and SuperCal® combinations. Beautiful blooms offer worry-free performance in any application. Large flower spikes on sturdy stems are perfect for mixed combos.

ANGELISSA is a U.S. trademark of Sakata.

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.

BRACHYSCOME ☀️
Brachyscome hybrida

Brasco™ Violet

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

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

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

Fresco™ Purple

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

Fresco Purple has finely textured foliage and small blue flowers that last all season long. Compact and upright-mounded plants prefer cooler temperatures. High light will produce the best habit for bright, large blooms.

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

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.



Angelissa Purple Angelonia



Angelissa Rose Angelonia



Angelissa White Angelonia



'Red Threads' Alternanthera



Brasco Violet Brachyscome



Fresco Purple Brachyscome



Radiant Magenta Brachyscome

Bee Happy™

Gorgeous color fills large and small pots

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 about 35% more vigorous than 'Bee Alive', and about 50% less vigorous than 'Bee Bold'. It features a semi-upright habit, and the plants can be grown closer together with less spacing. It is easier to control with less PGRs.



Bee Happy Red

'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 Happy Red



Bee Happy Orange

'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 Happy'. It features an upright habit and is easier to control with less pinching. Best for larger pot impulse buys.



'Bee Alive'



'Bee Bold'

Sunbeam & Sun Drop

Gorgeous color fills large and small pots

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 Compact Double Yellow



Sun Drop Compact



Sun Drop Double Yellow



Sun Drop

BIDENS *Bidens aurea*



Sun Drop Compact Double Yellow

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

Smaller version of Sun Drop Double Yellow.

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

Also, best for the southern region.

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

Culture and timing are the same as Sun Drop Compact.



Sun Drop Compact

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 Double Yellow

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

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

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

This yellow bidens forms a tidy mound in the garden.

Flowers from Spring to Fall.

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



Sun Drop

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

Top-selling bidens has been upgraded for 20% larger flowers and less pronounced bloom “shrink” in Summer, providing larger blooms into the Summer months.

Features a deeper yellow color.

Works well in mixed baskets and patio containers.

Habit is more mounded, giving it great appeal when alone in a container.

BACOPA

Versa

More upright, less tangling, better sell-through



White

BACOPA *Sutera cordata*

Versa™

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

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

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

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

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



Blue



Pink Shine



White

BACOPA

MegaCopa™

Blockbuster blooms power through the heat



White



Blue



Pink

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.



Pink Shine



Sky Blue



White



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

BRACTEANTHA

Dreamtime®

Impressive displays make for early-season sales



Jumbo Pure White & Jumbo Yellow



Jumbo Pure White



Jumbo Red



Jumbo Rose



Jumbo Yellow

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

Calibrachoa Positioning



Conga™



Cabaret®



Cha-Cha™

Conga™

Easy growing for compact color bowls



Rose & White

CALIBRACHOA *Calibrachoa hybrida*

Conga™

Height: 6 to 10 in. (15 to 25 cm)
Spread: 8 to 10 in. (20 to 25 cm)

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

Great choice for quarts, color bowls and window boxes.

Easy to grow – very uniform.

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

Flowers one week earlier than Cabaret® Series.

NEW Diva Orange: New novelty color adds a shade of orange that changes as the flower ages.

NEW Pink Kiss: A new pink novelty color addition.

NEW Purple Star: An exciting purple novelty color with a yellow star pattern.

NEW Rose Improved: Features a stronger plant with better branching for more flower power.

NEW White Improved: Better habit to match the series. Offers larger, bright white flowers.

NEW Yellow: New color that matches the series very well.



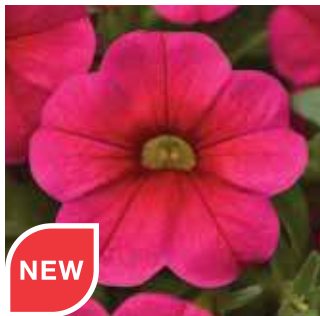
Diva Orange



Pink Kiss



Purple Star



Rose Improved



White Improved



Yellow



Dark Blue



Cherry



Lavender



Orange Kiss



Pink Star



Red



Rose



NEW MixMasters Rainbow Bright Improved
(Dark Blue, NEW Rose Improved & NEW Yellow)



Early
Flowering
Time

CALIBRACHOA

Cabaret®

Predictable. Programmable. Profitable.



CALIBRACHOA *Calibrachoa hybrida*

Cabaret®

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

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

Most varieties flower with a 10.5-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 5 in the South and Week 14 in the North.

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

NEW Bright White Improved: Habit matches the series better. Offers more flower power and is less susceptible to powdery mildew.

NEW Diva Pink: New color-shifting variety changes color as the flower ages.

NEW Hot Rose: New color for the series.

NEW Midnight Kiss: Novelty addition to the Cabaret series. Deep purple shimmering flowers have an interesting star pattern.

NEW Pink Improved: Better branching and flower power to match the series better.

NEW Pink Star Improved: Better branching for a fuller plant. Features larger flowers with a more defined star pattern and richer, deep pink hue.

NEW Strawberry Parfait: Features pink flowers with a vein and an attractive pattern.

NEW Yellow: Offers better flower power than Golden Yellow with larger blooms. Matches the series better in timing and habit.



 Early Flowering Time

Orange 

CALIBRACHOA



NEW

Bright White Improved



NEW

Diva Pink



NEW

Hot Rose



NEW

Midnight Kiss



NEW

Pink Improved



NEW

Pink Star Improved



NEW

Strawberry Parfait



NEW

Yellow



TOP SELLER

Deep Blue



TOP SELLER

Deep Yellow



Bright Red



Diva Orange



Good Night Kiss



Hot Pink



Lavender



Lemon Yellow



Light Pink



Light Pink Kiss



Midnight Blue



Neon Rose



Purple



Red



Sky Blue



White

Cha-Cha™

A uniform series with dazzling, novelty colors



Early
Flowering
Time



Laura Masor

Breeder

“The selections I made for Cha-Cha have uniform timing and vigor with large flowers and bright, unique colors. These plants are sure to stand out at retail.

Not messy or wild, Cha-Cha features the uniform, controlled vigor you’re looking for in big basket displays. These calibrachos have a good-mounded habit that mixes really well with each other. Just check out NEW MixMasters Diva La Vida with its spectacular blend of colors, including a novelty from the series!”

Best Practices

Northern Region

In cooler climates and high light, no PGR is recommended.

Southern Region

In warmer regions, use a Bonzi drench at 3 ppm 6 weeks after transplant.



MixMasters Great Escape (Diva Hot Pink, Bee’s Knees Petunia & Firehouse Burgundy Verbena)

CALIBRACHOA

CALIBRACHOA 
Calibrachoa hybrida

Cha-Cha™

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

Cha-Cha series is 25% more vigorous than Cabaret series with large, cascading blooms.

Easy-to-produce series is uniform in size with an early flowering time.

Perfect for large containers, hanging baskets and mixes, and features two color-shifting types!

NEW Fuchsia: Adds a new neon fuchsia color to the series.

NEW Lavender: New light purple color addition.

NEW Orange: Adds an important orange color to the series.

NEW Red: Adds a new deep red color to the series.

NEW Red Kiss: A novelty color addition featuring a darker throat.

NEW Yellow: A new yellow hue for the series.



Diva Hot Pink
2020 University of Georgia Plants of Distinction Award Winner



Tangerine



Yellow



MixMasters Diva La Vida
(Deep Blue & Diva Hot Pink)



Fuchsia



Lavender



Orange



Red



Red Kiss



Yellow



Diva Hot Pink



Diva Apricot



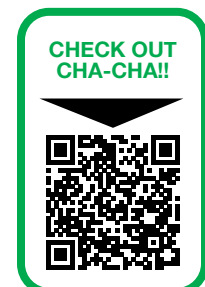
Deep Blue



Tangerine



Frosty Lemon



CALIBRACHOA

Bumble Bee™



Bumble Bee Hot Pink

CALIBRACHOA 
Calibrachoa hybrida

Bumble Bee™ Collection

One-of-a-kind colors and strong vigor for full-bodied mixed containers. Flowers stay open even under the lowest light conditions. Strong adaptability: specially selected to stand up to harsh conditions.

Bumble Bee™ Blue

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

Bicolor blue with defined star yellow throat has a tidy and tamed habit that matches Bumble Bee Pink.

Bumble Bee™ Hot Pink

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

As the largest flower in the collection, this variety stands out with a vibrant yellow throat and dramatic hot pink hue. Its unique pattern and color make it perfect for eye-catching baskets and combos in the garden. Works well in 2.5 quart/gallon and larger pots.

Bumble Bee™ Orange

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

This is the first orange star in the market, featuring a bright, vibrant bicolor orange with a unique pattern.

Bumble Bee™ Pink

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

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



Bumble Bee Blue



Bumble Bee Hot Pink



Bumble Bee Orange



Bumble Bee Pink

Celosia

Bold color for potted plants and gardens

CELOSIA 
Celosia argentea

BallIngenuity™
 Powered by Ball FloraPlant®

NEW Floriosa
Red Dark Leaf

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

Provides a high-quality, uniform product. Flowers from April as a cheerful Spring bloomer to October as a rewarding Fall décor program in pots on balconies or in gardens. If finishing before the end of May, Floriosa will require black cloth – an exciting extension for this plant. This provides a great opportunity to use Floriosa for container programs paired well with other colors or with the Twisted or Intenz Celosia programs!

Intenz™ Dark Purple

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

An easy-to-produce plant with bold flower spikes that look great at retail. Continues to bloom throughout the Summer and Fall...making it the perfect plant for an indoor program or in the garden.

Bred by FLORITEC.



Floriosa Red Dark Leaf



Intenz Dark Purple

CELOSIA 
Celosia cristata

BallIngenuity™

Powered by Ball FloraPlant®

NEW Twisted Purple

Height: 16 to 20 in. (41 to 51 cm)
Spread: 12 to 14 in. (30 to 36 cm)

Unique, bold color and all-season garden performance. After years of trialing to ensure ease of production, Twisted truly offers a fine complement to Intenz™ Celosia for both pot plant and garden programs. Its bold cristata blooms attract attention because of their unique, touchable form and texture. Excellent for Fall programs.



Twisted Purple

MicroBlaze™ Coleus

Colossal color and eye-popping patterns



COLEUS

Solenostemon scutellarioides

The stunning colors and patterns thrive in full sun and shade.

Versatile, premium varieties are very late to never-flowering.

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

MicroBlaze™

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

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

New series of low-maintenance, high-impact plants is perfect for small pots and decorative container mixes.

NEW Matchsticks: Offers a unique foliage pattern, featuring a vibrant burgundy center with green edges and just a touch of pink.

Spitfire

Holds its color very well in full sun or shade, and is very late to flower. Plant is self-branching, so no pinch or PGRs are needed. Versatile for use in combos, containers and landscape borders, and great for urban gardeners' balconies or small patios.



Matchsticks



Spitfire



Copperhead

Copperhead

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

This compact coleus features striking red/orange foliage with ruffled leaves edged in lime. Vigor is closest to Heartbreaker.

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.

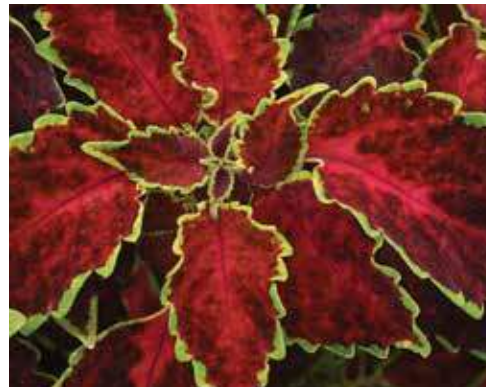
Ruby Punch

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.



Heartbreaker



Ruby Punch

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 • 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.

NEW Coleosaurus Improved

Height: 14 to 28 in. (36 to 71 cm)
Spread: 24 to 36 in. (61 to 91 cm)

Features better branching and more saturated color with a distinct pattern. Easy to produce in small containers and requires little pinching.

Dragon Heart

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

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

Electric Lime®

Height: 14 to 28 in. (36 to 71 cm)
Spread: 16 to 24 in. (41 to 61 cm)

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

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



Campfire



Coleosaurus Improved



Dragon Heart



Electric Lime



Henna

Henna

Height: 14 to 28 in. (36 to 71 cm)
Spread: 14 to 16 in. (36 to 41 cm)

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

Indian Summer

Height: 14 to 28 in. (36 to 71 cm)
Spread: 14 to 16 in. (36 to 41 cm)

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

Inferno

Height: 14 to 28 in. (36 to 71 cm)
Spread: 14 to 24 in. (36 to 61 cm)

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

Limewire

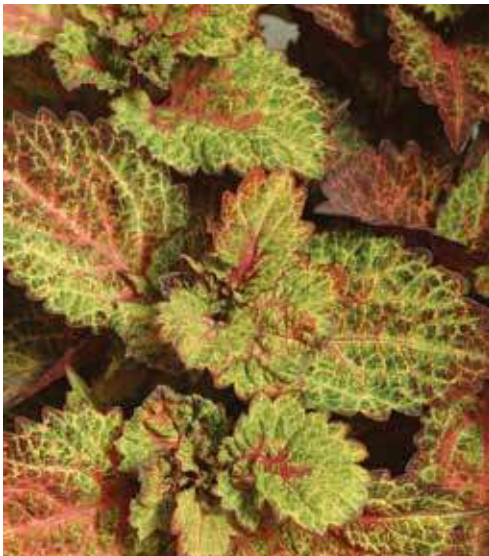
Height: 14 to 28 in. (36 to 71 cm)
Spread: 14 to 28 in. (36 to 71 cm)

Deep burgundy coleus has ruffled leaves that are edged in bright lime and won't fade in full sun! Features great branching for a full-foliage plant.

Vulcan

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

This plant has great branching and is similar in habit to Electric Lime. Eye-popping red coleus with pink veining is more intense in lower light. Holds the red in the "high light" of the sun and features an interesting leaf shape.



Indian Summer



Inferno



Limewire



Vulcan



Redhead & Wasabi Coleus



French Quarter

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

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

Trusty Rusty

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

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



Vino

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

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.

COLEUS

FlameThrower™

Create sparks in small pots and mixes

SEASON
EXTENDER



Spiced Curry



Cajun Spice



Chili Pepper



Chipotle

FlameThrower™

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

Compact-to-medium coleus features bold foliage colors ideal for small pots and mixed containers.

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



Habanero



Salsa Roja



Salsa Verde

Best Practices

Western Region

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

Midwest, Canada and Northeast Region

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

South and Southeast Region

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

Propagation Tips

- Quick rooting crop (3-4 weeks in a 100-tray)
- No pinch needed if planted on time
- No rooting hormone necessary
- Low PGR requirement

Finish Crop Tips

- Fast to finish with low PGR needs
- If needed, paclobutrazol application at 10-15 spray, or 1-2 drench is effective



Serrano



Spiced Curry



Sriracha

TrailBlazer™ Coleus

COLEUS 

Solenostemon hybrida

TrailBlazer™

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

TrailBlazer collection is a group of trailing coleus with vibrant colors that can be grown in the shade.

NEW Glory Road: Intense red and burgundy-colored leaves with green edges are cascading, making it perfect for hanging baskets, windowboxes and containers.

NEW Road Trip: Tricolor leaves have a vibrant pink center. Great branching makes this coleus perfect for shade containers and combos.



Trailblazer Glory Road

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.



Trailblazer Road Trip

COLEUS 

Solenostemon scutellarioides

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



'Allyson Heather'



Honeybells

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 hybrida

Bells Collection

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

Varieties root faster than comparable cuphea, reducing costs and production time. They can be produced at lower temperatures, decreasing the overall cost of Spring greenhouse production. Less special treatment is required because of their high resistance to *Oedema*.

Honeybells

The original pollinator-pleasing plant from the collection.

A 2019 University of Georgia Plants of Distinction award winner.

NEW 'Cherrybells'

Deep orange-colored blooms make a show-stopping display in the landscape and in combos. Attracts bees and hummingbirds; a great pollinator plant.

NEW 'Sugarbells'

Works great in mixed combos. Pollinator-friendly plant attracts hummingbirds all season long. Sugarbells is the only white cuphea currently on the market.



'Cherrybells'



'Sugarbells'

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.



'Firecracker'

DIASCIA

DIASCIA 
Diascia barberae

REAL SERIES

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.



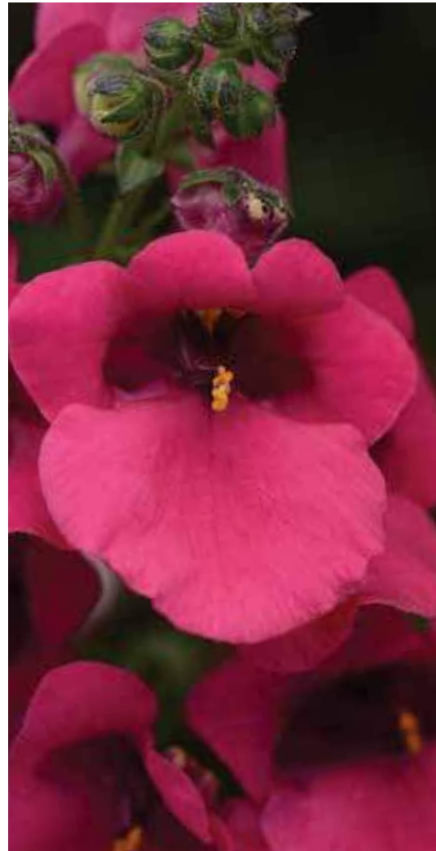
Orange



Pink



Red



Rose



White



Breathless Blush & White Euphorbia



Breathless Blush Euphorbia



Breathless White Euphorbia

EUPHORBIA 
Euphorbia hypericifolia

Breathless®

Blush

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

White

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

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

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

Available as unrooted cuttings and rooted liners.

EVOLVULUS 
Evolvulus nuttallianus

'Blue Daze'

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

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



'Blue Daze' Evolvulus



Jupiter Blue Exacum



Jupiter White Exacum

EXACUM 
Exacum affine

BallIngenuity™

Powered by Ball FloraPlant®

Jupiter

Height: 4 to 6 in. (10 to 15 cm)
Spread: 7 to 8 in. (18 to 20 cm)

Doesn't require pinching or PGRs for ease of growing. Jupiter will arrive at retail in great condition, while also providing an outstanding shelf life. The fun double blooms make for a great impulse buy! Thrives as an indoor potted plant or outdoors in a protected, shaded area.

Direct-Stick Callused Cutting

Less labor. Shortened crop time. Less shrink. Reduced input costs.

Many growers use Genesis™ cuttings in liner production 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 Representative 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 pg. 65 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.



Genesis callused cuttings in production.



Fantasia® Geraniums produced from Genesis callused cuttings.

AVAILABLE AS GENESIS CALLUSED CUTTINGS

Bracteantha.....pg. 40

Geraniumpg. 66-77

Osteospermumpg. 115-117

Scaevola pg. 133

Retail-ready plants two weeks faster!

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



Serenity™ Dark Purple Osteospermum

Genesis Cuttings
Arrive ready to direct-stick in the finished 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 is in full bloom, out the door and ready to sell, while the traditional URC is just starting to open flowers.

Traditional Unrooted Cuttings



Traditional URC on arrival

at 8 days

at 6 weeks

at 14 weeks



Genesis Production Fantasia Geraniums



Genesis Production Fantasia Geraniums

ZONAL GERANIUM

Presto™

Naturally compact and dark-leaved



Deep Scarlet

ZONAL GERANIUM



NEW

Pink Improved



NEW

Pink+Eye Improved



NEW

Salmon



TOP SELLER

Violet



TOP SELLER

Brilliant Red



TOP SELLER

Dark Red



Deep Scarlet



Orange



Pink Sizzle



Rose Flare



White

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, saving 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.

NEW Pink Improved: Features better branching for more flower power.

NEW Pink+Eye Improved: Improved for a more vibrant eye. Features better branching and better flower power.

NEW Salmon: New color addition to the series.

ZONAL GERANIUM

Fantasia®

A beautiful contrast of dark leaves and bright blooms



ZONAL GERANIUM

Pelargonium x 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.

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.



Purple Sizzle

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Appleblossom	mid	dark	medium
Cardinal Red	mid	dark	medium
Cranberry Sizzle	mid	dark	medium
Dark Red	mid	dark	medium
Flamingo Rose	early	dark	medium
Fuchsia Berry	mid	dark	medium
Orange	mid	dark	medium
Pink	mid	dark	medium
Purple Sizzle	mid	dark	compact
Salmon	mid	dark	medium
Scarlet	early	dark	medium
Shocking Blue	mid	dark	medium
Shocking Pink	mid	dark	medium
Strawberry Sizzle	mid	dark	medium
Violet	mid	dark	medium
White	mid	dark	medium

 Uniform Timing & Habit

ZONAL GERANIUM



Appleblossom



Cardinal Red



Cranberry Sizzle



Dark Red



Flamingo Rose



Fuchsia Berry



Orange



Pink



Purple Sizzle



Salmon



Scarlet



Shocking Blue



Shocking Pink



Strawberry Sizzle



Violet



White

ZONAL GERANIUM

Dynamo™

Powerhouse of color uniformity



Salmon

ZONAL GERANIUM

ZONAL GERANIUM *Pelargonium hortorum*

Dynamo™

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

Medium vigor, green leaf.

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

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

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

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

The ultimate geranium for garden beds and large containers.

NEW Purple Improved: Features stronger branching and better flower power.

NEW Scarlet Improved: A more full plant with better branching.

NEW Violet Improved: Offers better branching for more flower power.



Purple Improved



Scarlet Improved



Violet Improved



Dark Red



Dark Salmon



Hot Pink



Light Pink



Orange



Pink Flare



Red



Salmon



White

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

 Uniform Timing & Habit

ZONAL GERANIUM

Galaxy™

Big impact in landscapes and large planters



Dark Red, White & Watermelon

ZONAL GERANIUM

ZONAL GERANIUM 
Pelargonium hortorum

Galaxy™

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

High vigor, green leaf.

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

The series offers excellent garden performance in an easy-to-control, vigorous greenhouse habit.

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

NEW Orange: Introduces an important color addition to the series.



Orange



Dark Red



Pink



Purple



Red



Salmon



Violet



Watermelon



White

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

IVY GERANIUM

Focus™

Compact and dark-leaved for dramatic baskets



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.

NEW Burgundy Improved: Improved branching for better flower power.

NEW Red Improved: Features better flower power and branching.

NEW Rose Improved: Features better branching for more flower power.

NEW Shocking Blue: New novelty color addition to the series.

NEW White: Adds a new color to the series.



NEW

Burgundy Improved



NEW

Red Improved



NEW

Rose Improved



NEW

Shocking Blue



NEW

White



Red Ice

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
NEW Burgundy Improved	early	dark	compact
NEW Red Improved	early	dark	compact
Red Ice	early	dark	compact
NEW Rose Improved	early	dark	compact
NEW Shocking Blue	early	dark	compact
NEW White	early	dark	compact

IVY GERANIUM

Precision™

Early flowering, exact uniformity — precisely in demand



Dark Burgundy

IVY GERANIUM

IVY GERANIUM ☀️
Pelargonium x peltatum

Precision™

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

Medium vigor, green leaf.

Specially selected for early flowering and excellent uniformity.

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

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



Burgundy



Burgundy Ice



Dark Burgundy



Dark Salmon



Lavender Blue



Pink



Pink Flamingo



Red



Red Ice



Rose



Ruby



White Red Eye

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/mid	green	medium mounded
Lavender Blue	early	dark	medium
Pink • Pink Flamingo	early	green	medium mounded
Red	early/mid	green	medium mounded
Red Ice • Rose • Ruby	early	green	medium mounded
White Red Eye	early	green	medium-compact mounded

GOMPHRENA

GOMPHRENA ☀️
Gomphrena hybrid

BallIngenuity™
Powered by Ball FloraPlant®

NEW Piñata

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

Offers a nice mounding to upright habit and bold, bright, hot pink blooms with cream and gold-stripped foliage. Exceptional heat and drought tolerance. Eye-catching color all Summer long!

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.

IRESINE 🌍 🌱
Iresine hybrid

'Blazin' Lime'

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

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

'Blazin' Rose'

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

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



Piñata Gomphrena



'Licorice' Helichrysum



'Marine' Heliotrope



'Blazin' Lime' Iresine



'Blazin' Rose' Iresine

EXOTIC IMPATIENS

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.



Cosmic Burgundy



Cosmic Orange



Peach Prism



Pink Shades

Glimmer™

IMPATIENS



NEW

MixMasters Glimmerazzi (Glimmer Bright Red & White Double Impatiens)

DOUBLE IMPATIENS



Appleblossom



Bright Red



Burgundy



Dark Red



Hot Pink



Salmon



White

DOUBLE IMPATIENS

Impatiens walleriana

Glimmer™

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

This new double impatiens series with beautiful rose-like blooms is highly resistant to *Plasmopara destructor*, the cause of Impatiens downy mildew!

Although following a routine preventative spray treatment for downy mildew is still recommended, growers and consumers can be confident they will continue to thrive and survive.

NEW Appleblossom

NEW Bright Red

NEW Burgundy

NEW Dark Red

NEW Hot Pink

NEW Salmon

NEW White

GLIMMER
MORE HERE



DOUBLE IMPATIENS

Fiesta™

Big and bold double blooms for the shade



Stardust Pink

DOUBLE IMPATIENS



Pink Ruffle



Sparkler Cherry

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.

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.



Sparkler Hot Pink



 Stardust Pink



Stardust Purple

 Uniform Timing & Habit

SunPatiens® Compact

Outstanding flower power for containers

**INTERSPECIFIC
IMPATIENS** 
Impatiens hawkeri

SunPatiens® Compact

Height: 12 to 32 in. (30 to 81 cm)
Spread: 12 to 26 in. (30 to 66 cm)

Tolerates all weather, from Spring through hard frost.

Unique varieties love sun, as well as shade.

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

Exceptional outdoor performance.

NEW Classic White: Earlier to bloom with improved branching and a mounding habit.

NEW Lavender Splash: Beautiful lavender flowers with a splash of rose.

NEW Lilac Improved: Upgraded for improved heat tolerance.

NEW Purple Candy: Large, purple-red bicolor flowers are very early to bloom.

NEW Red Candy: Early to bloom, light pink flowers with red highlights.

These 3-component mixes are packaged and shipped together to be stuck in the same container.

NEW Best Friends Mix Improved: NEW Classic White, Royal Magenta and NEW Lilac Improved.

NEW Forever Summer Mix Improved: Coral Pink, NEW Classic White and Purple.

Happy Days Mix Rose Glow, Orchid Blush and Hot Pink.

Hawaiian Sunset Mix Coral Pink, Orchid Blush and Purple.

Summer Salsa Mix: Coral Pink, Hot Coral and Red.

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



Orchid Blush

INTERSPECIFIC IMPATIENS



NEW

Classic White



NEW

Lavender Splash



NEW

Lilac Improved



NEW

Best Friends Mix Improved



NEW

Purple Candy



NEW

Red Candy



Blush Pink



Coral Pink



Deep Red



Deep Rose



NEW

Forever Summer Mix Improved



Electric Orange



Hot Coral



Hot Pink



Happy Days Mix



Orange



Orchid Blush



Pink Candy



Hawaiian Sunset Mix



Purple



Red



Rose Glow



Royal Magenta



Tropical Rose



Summer Salsa Mix

NEW GUINEA IMPATIENS

Clockwork™

A compact star in small pots and mixed containers

REAL SERIES



Orange Stripe, Purple & Orange

NEW GUINEA IMPATIENS



Appleblossom



Cherry Strike



Hot Pink Glow



Lavender



Orange



Orange Stripe



Pink Star



Purple



Red



Rose



White



Series

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.

Ideal for quart and gallon containers, and hanging baskets.

NEW GUINEA IMPATIENS

Celebration™

Loads of color for bigger pots and baskets



Icy Blue

NEW GUINEA IMPATIENS



Apricot



Bright Salmon



Deep Red



Electric Rose



Icy Blue



Lavender Glow



Orange



Pink



Purple Star



Rose Star



Tropical Peach



White

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

NEW GUINEA IMPATIENS



Impatiens hawkeri

Celebration

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

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

Big impact for larger container programs.

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

Full color range delivers excellent greenhouse performance.

Large blooms cover the plant even in high heat.

Spotlight™

A compact star in small pots and mixed containers



Red

IPOMOEA 
Ipomoea batatas

Spotlight™

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

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

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

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

It is a great compact solution for southern regions.



Black, Lime & Red



Black



Lime



Red



Black Heart



Lime Heart



Red Heart



Best Practices

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



Spotlight Lime



2 weeks after stick

4 weeks after stick

IPOMOEA

SolarPower™

Medium habit, plus energy and color for containers and landscapes

SEASON
EXTENDER

REAL SERIES



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.



Black



Black Heart



Lime



Lime Heart



Red



Red Heart



IPOMOEA

SolarTower™

First-ever self-climbing ipomoea

SEASON
EXTENDER



Black



Black



Lime

IPOMOEA ☀️ 🌙
Ipomoea batatas

SolarTower™

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

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

The first-ever self-climbing Ipomoea!

SolarTower climbs very quickly and fills a large pot on a quick turn.

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

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

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

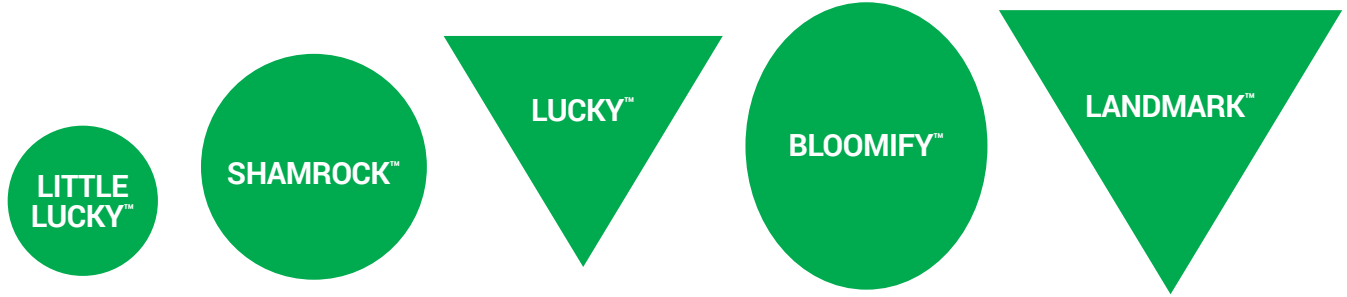
Easy for the grower to maintain and produce, as it should not need any trimming, PGRs or training to climb the trellis.

Provides instant garden décor for consumers.



Black & Lime

Lantana Positioning



Little Lucky™

Perfect for pot-tight production



Orange



Lavender



White

Little Lucky™

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

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

Up to 3 weeks earlier than other compact lantanas.

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

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

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

NEW Lavender: Adds a new lavender color to the series.

NEW White: Features great branching and more flower power.



Hot Pink



Orange



Peach Glow



Pot Of Gold



Red

Lucky™

Magically stands up to hot, dry conditions



James Doukas

Territory Manager Great Lakes and Northeast Region

“High-impact color with flowers that sit on top make for great mass-planted beds that can be viewed at a distance. This heat-loving series has a controlled growth habit and is quick to color. A grower-friendly choice for season-extending sales across North America.”

Best Practices

Success in Propagation

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

North Region

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

South Region

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



Sunrise Rose



White Improved



Flame



Lavender



Pink



Pot Of Gold



Red



Sunrise Rose



Yellow

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.

Medium-vigor series of choice for mixed containers and landscapes.

NEW White Improved: Offers better branching and flower power.

 *Uniform Timing & Habit*



Pink



Red

Shamrock™

Works like a charm in hanging baskets



Maria Bolinger

Territory Manager Southeast and Southwest Regions

"Lantana Shamrock is the newest addition to our Lantana lineup with a higher vigor than Little Lucky but not as spreading as Lucky. Now you have 'The one' that is perfect for combos, hanging baskets and beds! Its mounded habit has enough vigor to fill in but will not overpower, especially in combos.

What I love most about Shamrock is its dark green foliage and its extremely branched habit. This makes it easy to produce well-branched liners that are perfect to fill in a wide range from 4-in. pots to large combo containers. Perfect for Spring and season extender production. All 4 colors have nice large blooms, too!"

Best Practices

Propagation Tips

Stick immediately upon arrival. Apply preventive fungicide spray after sticking.

Finish Crop Tips

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.

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.



Orange Flame & White



NEW

Butterscotch Glow



NEW

Peach Improved

LANTANA ☀️
Lantana camara

Shamrock™

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

This medium-vigor series of lantana has a well-branched, mounded habit.

Uniform across all colors.

High-utility series works great in a wide-range of pot sizes from quarts to hanging baskets.

NEW Butterscotch Glow:

Adds a new color to the series.

NEW Peach Improved:

Habit matches the series better. Features good branching and more flower power.



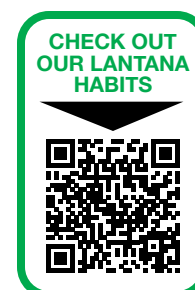
Orange Flame



Rose



White



LANTANA

Bloomify™

First certified sterile lantana won't multiply



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!

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

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

Medium-vigorous mounded lantana keeps a nice shape in the landscape.



Pink

Seed Set



Bloomify Red bursts with continuous flowers and color



Competitive red has slowed-down flowering and shows seed pods



Mango



Orange



Pink



Red



Rose

SunDance™



SunDance Pink

NEW



SunDance Red

LANTANA ☀️
Lantana camara

SunDance™

Height: 12 to 16 in. (30 to 41 cm)
Spread: 14 to 18 in. (36 to 46 cm)

Great for mixed combos that include SunPatience® and SuperCal® varieties.

Provides worry-free performance in any application.

NEW Pink: Semi-trailing plant with large, soft pink blooms and dark foliage makes an excellent component in SunPatience® combos.

SUNDANCE is a U.S. trademark of Sakata.

'New Gold'

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

Mounded and spreading; well-suited to landscapes.

LANTANA ☀️
Lantana montevidensis

'Purple Falls'

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

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



SunDance White



SunDance Yellow



'New Gold'

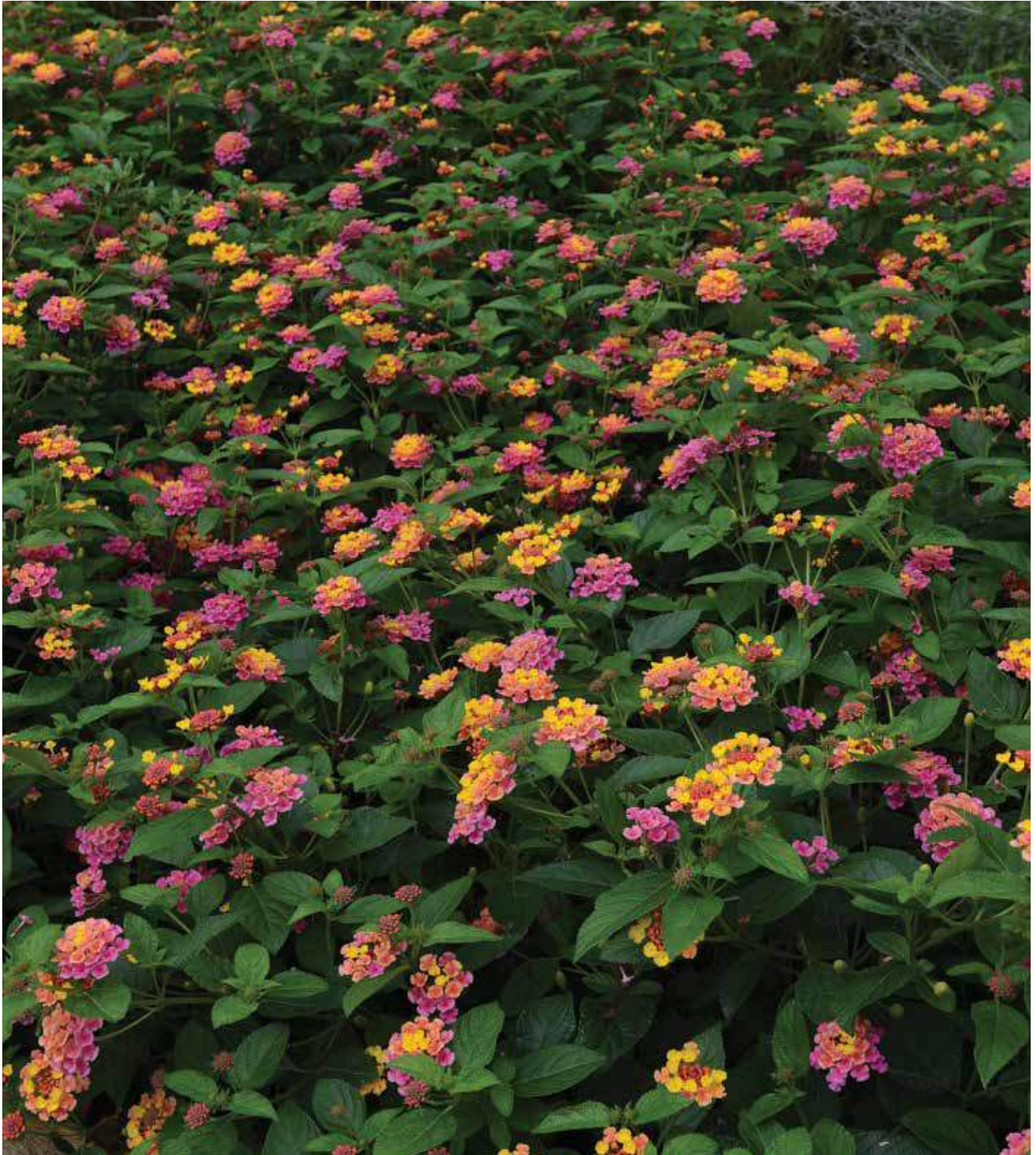


'Purple Falls'

LANTANA

Landmark™

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



Sunrise Rose



Gold Improved

NEW



White Improved

NEW

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.

NEW Gold Improved and NEW White Improved: Feature larger flowers, better flower power and superior branching.



Citrus



Red



Rose Glow



Sunrise Rose



Yellow



Citrus

Early Springs™

Early to rise for Spring sales, also takes the heat



LOBELIA ☀️ 🌧️
Lobelia hybrida

Early Springs™

Height: 6 to 8 in. (15 to 20 cm)
Spread: 6 to 10 in. (15 to 25 cm)

Early Springs is a uniform series.

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 also performs beautifully in heat.

Just one plant fills a quart or gallon container.

NEW Blue: This new color for the series has better heat tolerance than the competition. Features a nice mounding habit.

NEW Pink: Novel color for the series.

NEW White Improved: A truer white color.



MixMasters Color Magic Improved
(Early Springs Dark Blue Lobelia, Cabaret® Yellow Calibrachoa & Firehouse™ Red Verbena)



Blue



Pink



White Improved



Dark Blue



Lavender Pink



Magenta

Waterfall™



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.

Blue



Blue



Purple



White Blush

Easy Breezy™

The easy choice for longer-flowering lobularia

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.



Pink & White



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



Pink



Purple



White



'Jade Frost' Lamiastrum

LAMIASTRUM

Lamiastrum galeobdolon

'Jade Frost'

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

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

LAMIUM

Lamium maculatum

'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.



'Beacon Silver' Lamium



'White Nancy' Lamium

'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.

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.



'Goldilocks' Lysimachia

Diamantina™

Sun-loving bush and vining varieties



Tourmaline Pink & Opal Merlot

DIPLADENIA • MANDEVILLA



Jade Orange Coral



Jade Pink

NOW AVAILABLE FROM BALL FLORAPLANT!

Diamantina™ Collection

These series are part of the Diamantina™ Collection of genetics bred by mandevilla and dipladenia expert Lannes of France. These sun and heat-loving bush and vining varieties are earlier to bloom, with better branching and blooming capacity than the competition.

BUSH DIPLADENIA ☀️

Mandevilla x hybrida

Jade

Height: 24 to 36 in. (61 to 91 cm)
Spread: 8 to 10 in. (20 to 25 cm)

Great for patio or garden containers, without a trellis. Adaptable from quarts to large mixed containers.

VINING DIPLADENIA ☀️

Mandevilla x hybrida

Coral Orange Sunrise

Height: 12 to 60 in. (30 to 152 cm)
Spread: 12 to 16 in. (30 to 41 cm)

Great alone or mixed with other sun-loving varieties in patio or garden containers with a support. Requires hand-training to a trellis. Programmable for a wide range of sizes in trellised production to fit any tropical lover's space!



Jade Red



Jade White



Coral Orange Sunrise



Opal Merlot



Opal Merlot



Opal Pink



Opal Red



Tourmaline Fuchsia



Tourmaline Pink



Agate XXL White



Agate XXL White

VINING DIPLADENIA ☀️

Mandevilla x hybrida

Opal

Height: 12 to 60 in. (30 to 152 cm)
Spread: 12 to 16 in. (30 to 41 cm)

Great alone or mixed with other sun-loving varieties in patio or garden containers with a support (like a trellis). Includes colors not available in any other mandevilla/dipladenia series. Programmable for a wide range of sizes in trellised production.

BUSH MANDEVILLA ☀️

Mandevilla x hybrida

Tourmaline

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

Bold, beautiful blooms on a unique, non-vining habit are perfect for gardens, smaller containers, patio pots and mixed combinations. Although a trellis is not necessary, a support can be used to encourage climbing. A great option for mandevilla programs!

VINING MANDEVILLA ☀️

Mandevilla x hybrida

Agate XXL White

Height: 72 to 108 in. (183 to 274 cm)
Spread: 12 to 16 in. (30 to 41 cm)

Great for hanging baskets, patio or garden containers and in mixed combinations. Support, such as a trellis, is required.

MECARDONIA

MECARDONIA *Mecardonia hybrida*

Little Sunshine

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

USDA Zone: 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.

NEMESIA *Nemesia x hybrida*

Ball Ingenuity™

Powered by Ball FloraPlant®

SunGlow™

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

Blooms from early Spring to Summer and offers great heat tolerance. Easy to finish and perfect for quart production. Fragrant, delicate flowers are showstoppers in the garden in early Spring through Summer.

SUNGLOW is a U.S. trademark of Penhow Nurseries Ltd.



Little Sunshine Mecardonia



Aromatica Rose Pink Nemesia



Aromatica Royal Blue Nemesia



Aromatica White Nemesia



SunGlow Purple Bicolor Nemesia



SunGlow Yellow Bicolor Nemesia



Voltage™

Electrifying color for Summer gardens



OSTEOSPERMUM 
Osteospermum ecklonis

NEW Voltage™ Gold

Height: 10 to 16 in. (25 to 41 cm)
Spread: 24 to 28 in. (61 to 71 cm)

Early-flowering osteo with lots of golden yellow blooms puts on a show! This color addition to the Voltage™ collection flowers earlier and offers the same great habit and performance as Voltage Yellow and White with an extended bloom time!

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.

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.

Yellow



Gold



White



Yellow

OSTEOSPERMUM

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.

Blushing Beauty

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

Makes a colorful trio with Blue Eyed Beauty and 'Sunshine 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.

'Sunshine Beauty'

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

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



Blue Eyed Beauty



Blue Eyed Beauty



Blushing Beauty



'Sunshine Beauty'



Serenity™



Bronze



Coral Magic



Dark Purple



Deep Yellow



Lavender Frost



Pink



Pink Magic



Red



Rose Magic



White

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.

Best Practices

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

Propagation

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

After Transplant

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

Petunia Positioning



CannonBall™



Bee's Knees
SureShot™



ColorRush™


Bee's Knees

The BEST yellow petunia!



MixMasters Oh Beehave! (Bee's Knees and Midnight Gold Petunia)



PETUNIA 
Petunia x hybrida

Bee's Knees

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

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

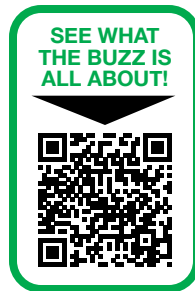
It brings the most intense yellow petunia to the market, along with the best performance!

This variety holds its yellow color better than any other yellow petunia.

It features dark green foliage and outstanding branching.

Versatile, works well in containers and the landscape.

A 2020 Medal of Excellence Reader's Choice Award winner.



Bee's Knees

CannonBall™

Early and compact, ready for Spring sales



Tanya Carvalho

Territory Manager Canada

"I am so excited about our new CannonBall series, as it is a win for the grower! The series is early, compact and requires no pinch or PGR applications. This makes them the perfect first petunia to ship out of the greenhouse and to the retailers."



- No pinch. No PGRs needed.
- Our brand-new breeding of CannonBall is upgraded for all mixes with a full range of the colors you're looking for in petunias.
- With improved propagation, habit and uniformity, all colors finish within a week of each other.



Rose Vein




Burgundy Star



Coral



Burgundy

PETUNIA 
Petunia x hybrida

CannonBall™

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

Perfect for premium pots and hanging baskets, CannonBall offers excellent uniformity in habit and timing across all colors.

Compact habit makes it easy to grow for pot-tight production.

Early to flower. All colors finish within a week of each other.

Good branching; requires no pinch and no PGRs.

NEW Burgundy Star: Adds a new novelty color to the series. Features a unique deep burgundy/purple star pattern.

NEW Coral: Bright, new color addition for the series.



Blue



Pink



Red



Rose Vein



White



Yellow

SURESHOT™

Petunia

Truly dependable, truly uniform.



**SIMILAR
FLOWER
SIZES**

**ALL COLORS
FLOWER WITHIN
ONE WEEK OF
EACH OTHER**

**SHARE
THE SAME
UNIFORM
HABIT**

**WELL-
BRANCHED
TO ENSURE
GROWER
SUCCESS**



NEW

Blue Vein



NEW

Blueberries & Cream



NEW

Dark Blue



NEW

Dark Red




NEW

Magenta



NEW

White

PETUNIA 
Petunia hybrida

SureShot™

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

This series has a 7-day flowering time and matching habit, so all colors can be shipped to retail at the same time.

Varieties mix well together to create a range of color combinations.

Ideal for all pot sizes and hanging baskets.

NEW Blue Vein

NEW Blueberries & Cream

NEW Dark Blue

NEW Dark Red

NEW Magenta

NEW White



ColorRush™

Bursting with bold color for landscapes and large baskets



Manda Vuksanaj

Territory Manager Midwest/West Coast

“We’ve trialed ColorRush in the ground in various climates. Time and time again, it lives up to its name by providing massive mounds of vibrant color. For example, Merlot Star has a stable star pattern that lasts all season. See the chart on the right for the flowering weeks you can expect by region.”

ColorRush continues to be a standout among ground petunias with its trial garden performance proved best in market and as a 2019 *University of Georgia Plants of Distinction* award winner.

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.



Pink



Pink Star



Blue



Pink



White



Merlot Star



Pink Vein



Red



Purple



Watermelon Red



Yellow



Pink & White

PETUNIA 
Petunia x hybrida

ColorRush™

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

Notable for big vigor and excellent garden performance.

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

The series will finish 10 to 12 weeks from stick, depending on region.

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.

A 2019 University of Georgia Plants of Distinction award winner.

NEW Pink Star: Adds an exciting, new novelty pink star pattern to the series.

WEEK IN FLOWER

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

DOUBLE PETUNIA

Vogue™

Fashionably early with bountiful blooms



Lemon Berry

DOUBLE PETUNIA

DOUBLE PETUNIA ☀️
Petunia x hybrida

Vogue™

Height: 8 to 10 in. (20 to 25 cm)
Spread: 14 to 24 in. (36 to 61 cm)

Earlier to flower with a superior mounded, compact habit.

Better branching than other double petunias on the market.

More flowers in the center creates more flower power in containers and hanging baskets!



Blue



Lavender Vein



Lemon Berry



Pink



Red



White

PETUNIA

PETUNIA *Petunia hybrida*

Midnight Gold

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

Unique, first-of-its-kind novelty color! Exceptional branching with profuse flowering. Features huge double blooms that are great for hanging baskets.

Pink Diamond

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

Pink Diamond features huge double blooms that are great for hanging baskets. New blooms cover old flowers for a fresh-looking plant all season!

PETUNIA *Petunia x hybrida*

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 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 multicolor 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 for efficient production. Mixes well with other species in combinations.



Midnight Gold



Pink Diamond



Phantom



Cha-Ching Cherry

TRAILING PETUNIA



Black Magic

PETUNIA *Petunia x hybrida*

Black Magic

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

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

Cascadias™ Indian Summer

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

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



Cascadias Indian Summer

Bluerific & Pinkceptional

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

Medium-vigor varieties are 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.



Bluerific



Pinkceptional

TRAILING PETUNIA *Petunia x hybrida*

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.



Rhythm And Blues

SuperCal® Premium

The all-weather petunia, rain or shine

PETCHOA 

Petunia x Calibrachoa hybrid

SuperCal® Premium

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

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

NEW Red Maple: Large, scarlet-red flowers are very vibrant and provide “wow” factor at retail. Features excellent heat and rain tolerance, too.

Mixes 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.

Autumn Spice Mix contains Cinnamon and French Vanilla.

Bonfire Mix contains Cinnamon, French Vanilla and Caramel Yellow.

Citrus Mix contains Pearl White, Sunset Orange and Yellow Sun.

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



Red Maple



Bordeaux



Caramel Yellow



Cinnamon



French Vanilla



Pearl White



Purple Dawn



Sunray Pink



Sunset Orange



Yellow Sun



Autumn Spice Mix



Bonfire Mix



Citrus Mix



SuperCal®



Artist Rose



Blue



Cherry



Light Yellow



Neon Rose



Pink



Rose



Royal Red



Violet

PETCHOA 

Petunia x Calibrachoa hybrid

SuperCal®

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

The best characteristics of petunias and calibrachoas, in one exceptional collection.

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

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

Excellent heat tolerance and weather recovery.

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

NEW Garden Magic Mix

Improved: Contains Blue, Light Yellow and Royal Red petchoa.

NEW Gumball Mix:

Contains Light Yellow, Rose and Royal Red petchoa.

Summer Sensation Mix:

Contains Blue, Light Yellow and Pink petchoa.

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



Garden Magic Mix Improved



Gumball Mix



Summer Sensation Mix

PLECTRANTHUS

PLECTRANTHUS *Plectranthus coleoides*

'Nico'

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

Vigorous accent plant is known for its dark green foliage and semi-prostrate habit.

'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.



'Nico' Plectranthus



'Nicolleta' Plectranthus



'Variegata' Plectranthus

PLECTRANTHUS *Plectranthus x hybrida*

Mona Lavender

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

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

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

PURSLANE *Portulaca oleracea*

RíoGrande™

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.



Mona Lavender Plectranthus



RíoGrande Magenta Purslane



RíoGrande Orange Purslane



RíoGrande Scarlet Purslane



RíoGrande Yellow Purslane

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.



'Persian Shield' Strobilanthes



RíoGrande White Purslane



'Blue Fan' Scaevola



Bondi Blue Scaevola and Bondi White Scaevola

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.

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.

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



'Blue Brilliance' Scaevola



White Sparkle Scaevola

SCAEVOLA *Scaevola hybrid*

'Blue Brilliance'

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

'Blue Brilliance' is vigorous, but is still tidy in the garden. This scaevola offers a dark blue and good branching.

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.

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



MixMasters Bloom Of Allegiance
(*'Blue Brilliance' Scaevola, AngleMist Spreading White Angelonia and Lucky Red Lantana*)



MixMasters Gold Plated
(*White Sparkle Scaevola, Archangel Blue Bicolor and Lucky Pot Of Gold Lantana*)

Mysty & Mystic Spires

Perfect performance in small pots and combos

SEASON
EXTENDER

SALVIA

Salvia longispicata x farinacea

Mystic Spires

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

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

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

Mysty

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

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

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



Mysty (L) & Mystic Spires (R)



'Black & Bloom'



'Black & Blue'



'Purple & Bloom'



Blue Chill



'White Flame'



'Roman Red'

SALVIA ☀️
Salvia guaranitica

'Black & Bloom'

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

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

'Black & Blue'

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

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

'Purple & Bloom'

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

This 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!

SALVIA ☀️
Salvia longispicata x farinacea

NEW Blue Chill

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

Slightly taller than Mystic Spires with great garden performance, Blue Chill offers a light blue hue in the garden. A premium variety that can command a higher price point. Well-branched, heat-hardy plants are free-flowering from Spring through Summer. Perfect for landscapes and mixed containers.

'White Flame'

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

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

It is perfect for landscapes and mixed containers.

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

Matches Mystic Spires in height.

SALVIA ☀️🌙
Salvia splendens x darcy

'Roman Red'

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

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

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

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

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

THUNBERGIA

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.

TORENIA *Torenia hybrida*

Summer Wave®

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

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

SUMMER WAVE is a registered trademark of SUNTORY FLOWERS LIMITED.



Sunny Arizona Glow Thunbergia



Summer Wave Large Amethyst Torenia



Summer Wave Large Blue Torenia



Summer Wave Large Silver Torenia



Sunny Lemon Star Thunbergia



Sunny Orange Wonder Thunbergia



Summer Wave Large Violet Torenia



Magilla Purple Perilla

PERILLA ☀️ ●
Perilla frutescens

Magilla® Purple

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

Striking, multicolor 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.

VERBENA ☀️ 🌙
Verbena peruviana

Burgundy Wink and Violet Wink

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

Excellent powdery mildew resistance – needs fewer chemical applications. Fast off the bench and onto retail shelves. Performs beautifully in baskets, mono and mixed containers.



Burgundy Wink Verbena



Violet Wink Verbena



MixMasters Eye Caramba
(Violet Wink Verbena, Cabaret White Calibrachoa and Bluerific Petunia)

Uniform Timing & Habit

Cadet Upright™

Stays in line with an upright habit



Lavender Blue



TOP
SELLER

Red



TOP
SELLER

Lavender Blue



TOP
SELLER

White



Magenta Wink



Hot Pink Wink



Pink



Purple



Violet Blue

VERBENA ☀️ 🌙
Verbena peruviana

Cadet Upright™

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

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

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

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

All colors can be treated the same culturally.

Proven superior powdery mildew resistance when compared to the competition.

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

VERBENA

Firehouse™

Stands tough when the heat rises



Red



Red



Purple



White

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.



Blue Fizz



Burgundy



Grape



Lavender



Light Pink



Pink



Purple Fizz



Violet Wink



MixMasters Great Escape (Firehouse™ Burgundy Verbena, Bee's Knees Petunia, Cha-Cha™ Diva & Hot Pink Calibrachoa)

Best Practices

Midwest, Canada and Northeast Regions

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

West Region

To finish Firehouse, use B-Nine 2,500/Cycocel 750 ppm spray applications 2 weeks after transplant.

Firehouse Light Pink was treated with B-Nine/Cycocel 750 ppm spray in California trials.

South and Southeast Regions

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

VERBENA

EnduraScape™

Color that won't quit



Blue and White



Red



Blue



White

VERBENA 
Verbena peruviana

EnduraScape™

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

The first verbena that's hardy through the hottest days of Summer, but can take the cold down to the low teens, and still rebloom in Spring, bringing lasting color to landscapes all season long.

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.



Burgundy



Dark Purple



Hot Pink



Magenta



Pink Bicolor



Pink Fizz



Purple



Pink Bicolor

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



UNROOTED CUTTINGS

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

NOTE: *Minimum order of 2,000 quantity for GE and SG cuttings*



GENESIS™ DIRECT-STICK CUTTINGS

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



AUTOSTIX™ STRIP CUTTINGS

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



MIXMASTERS™ MULTILINERS

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



STANDARD ROOTED LINERS

- 100% transplantable yield means reduced shrink
- Widest range of products available
- Truck delivery from the Ball Regional Supplier Network assures economical, efficient shipping – see more on our rooting stations on page 7. 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 7



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 7

PROPAGATION GUIDE

CROP	TRAY SIZE(S) (CELLS/TRAY)	ROOTING HORMONE	AVERAGE DAYS W/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	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.
CELOSIA	78	Yes	25-28	Yes	4	Must pinch 14-16 days after stick. It would be typical to have 6 to 8 leaves remaining below the pinch.
COLEUS		No	4-6			Compact variety has no need for PGRs before transplant.
CUPHEA	50, 72, 84, 105	No	6-8	Yes	3-4	Requires 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.
DIPLADENIA (BUSH)	72-102	Yes	12-14	Yes	4-5	1 pinch in propagation, 1 in finish stage
DIPLADENIA (VINING)	72-102	Yes	12-18	Yes	4-5	1 pinch in propagation, 1 in finish stage
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.
EXACUM	72 tray, 102 tray	No	5-6	n/a	4	Use of a fungicide at stick is suggested within 24 hours. Lighting for 18-hour days is suggested.
GERANIUM (IVY)	See Comments	Optional	9-13	No	4-5	Stick immediately upon arrival. Geraniums are best rooted in a media in strip form to allow for maximum air flow and avoid foliage overlap. Ivy geraniums require 25-30% less mist in propagation compared to zonals. Propagate under separate mist programs. Remove flower buds at transplanting.
GERANIUM (ZONAL)	See Comments	Optional	9-12	No	3-4	Stick immediately upon arrival. Geraniums are best rooted in media in strip form to allow for maximum airflow and avoid foliage overlap. After initial rehydration, careful misting is required to optimize callus and root initiation. Mature leaves should show slight wilting at midday and regain turgor in the late afternoon under ideal mist conditions. Leaf petiole wilting indicates undermisting. Overmisting leads to Botrytis. Remove flower buds at transplanting.
GOMPHRENA	78	Yes	14-21	Yes	3-4	Bottom heat speeds up root development.
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	50, 72, 84, 105	No	6-8	No	3	Reduce mist as soon as possible to reduce stretch. Transplant on time.
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 (NEW GUINEA)	50, 72, 84, 105	No	7-8	No	3-4	Apply preventative fungicide spray after sticking. Reduce mist as soon as possible. Scout regularly for Botrytis.

PROPAGATION GUIDE

CROP	TRAY SIZE(S) (CELLS/TRAY)	ROOTING HORMONE	AVERAGE DAYS W/MIST	PINCH	AVERAGE PROPAGATION TIME (WEEKS)	COMMENTS
IPOMOEA	50, 72, 84, 105	No	3-4	Optional	3-4	Move rooted cuttings off mist quickly to avoid stretch. Ipomoea URC do not like to be stored, so stick immediately. Cooling cuttings can actually do damage, so it is recommended that if you do store cuttings, do not put them in a cooler and maintain temperatures at 55-60°F (13-16°C).
IRESENE	50, 72, 84, 105	No	4-7	No	3-4	Apply Bonzi spray 3-5 ppm on Blazin Rose between Days 7-11 to control early stretch.
LAMIASTRUM	32, 50, 72, 84, 105	No	6-9	Yes	3-4*	Reduce mist as soon as possible to reduce stretch. Transplant on time.
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 preventive fungicide spray after sticking.
LOBELIA	50, 72, 84, 105	Optional	6-9	Recommended	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.
MANDEVILLA (BUSH & VINING)	72- 102	Yes	12-18	Yes	4-5	1 pinch in propagation, 1 in finish stage
MECARDONIA	105, 207	Yes	6-8	Yes	4	Rooting hormone is recommended, but not required.
NEMESIA	72, 84, 105, 128	No	6-9	Recommended	3-4	Better with 2 cuttings per cell. Liner can be pinched at 3 weeks or when well rooted.
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.
PETUNIA (DOUBLE)	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.
PETUNIA (TRAILING)	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	Required	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.

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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	NEW AngelDance™ Angelissa™ 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
ANGELONIA	AngelMist® Spreading	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-70°F (17-21°C)	175-225	0-2
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 Compact Double Yellow · Sun Drop Double Yellow · Sunbeam	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (12-16°C)	175-225	1-3
BRACHYSCOME	Brasco™ Violet	5.8-6.2	5,000-9,000	65-73°F (18-23°C)	56-61°F (13-16°C)	175-225	0-1
BRACHYSCOME	Fresco™ Purple	5.8-6.2	5,000-9,000	65-75°F (18-24°C)	58-65°F (14-18°C)	125-200	0-1
BRACHYSCOME	Radiant Magenta	5.8-6.2	5,000-9,000	65-76°F (18-24°C)	62-67°F (17-19°C)	200-225	0-1
BRACTEANTHA	Dreamtime®	5.8-6.2	5,000-8,000	65-76°F (18-24°C)	56-61°F (13-16°C)	175-225	0-1
CALIBRACHOA	Bumble Bee™ Blue Bumble Bee™ Hot Pink Bumble Bee™ Orange Bumble Bee™ Pink Cabaret® Cha-Cha™	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
CELOSIA	NEW Floriosa	5.5-6.5	1,000-2,500	75-80°F (24-27°C)	62-65°F (17-18°C)	100-175	1

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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, 5-8 weeks	1-3 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	Generally not needed. B-Nine(S) 1,500-3,000 ppm and Cycocel 750-1,000 ppm tank mix(S). Avoid Florel use.	Whitefly, caterpillars	Root rot, Botrytis	High light will significantly improve plant quality by encouraging branching, earlier flowering and the ideal plant habit growth. Best suited to mid to late Spring and Summer programs.
1 ppp, 4-6 weeks	1-3 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	Generally not needed. B-Nine(S) 1,500-3,000 ppm and Cycocel 750-1,000 ppm tank mix(S). Avoid Florel use.	Whitefly, caterpillars	Root rot, Botrytis	High light will significantly improve plant quality by encouraging branching, earlier flowering and the ideal plant habit growth. Best-suited to mid to late Spring and Summer programs.
1-2 ppp, 5-7 weeks	2-3 ppp, 7-10 weeks	4-5 ppp, 8-12 weeks	Generally not needed. B-Nine(S) 1,000-1,500 ppm can be used sparingly to tone and control spread. Florel(S) 150-200 ppm will reduce early flowering and increase branching.	Thrips, aphids	Root rot, Botrytis	Pinch as needed to shape. Grow Bacopa bright and cool to maximize branching and encourage best possible habit. Test soil regularly for high pH/iron deficiency. Refer to the MegaCopa Series Bacopa Grower Facts at ballfloraplant.com for detailed culture information.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 6-9 weeks	PGR is generally not needed, as it is genetically compact. Bee Alive responds well to B-Nine applications at rates below 2,500 ppm.	Fungus gnats	Root and stem rot	Pinch for better branching and shape.
1-2 ppp, 5-7 weeks	1-3 ppp, 6-8 weeks	4-5 ppp, 6-9 weeks	B-nine(S) 2,500 ppm. Also responds to Sumagic(S) 3-5 ppm or Sumagic(D) 0.25 ppm.	Fungus gnats	Root and stem rot	Pinch for better branching and shape.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 6-9 weeks	B-Nine(S) 2,500 ppm. Also responds to Sumagic(S) 3-5 ppm or Sumagic(D) 0.25 ppm.	Fungus gnats	Root and stem rot	Pinch for better branching and shape.
1 ppp, 4-6 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 12-14 weeks	Generally not needed.	Thrips, whitefly	Botrytis, Thielaviopsis	Cool temperatures and high light will produce the best habit.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 10-14 weeks	Generally not needed.	Thrips, whitefly	Botrytis, Thielaviopsis	Cool temperatures and high light levels will produce the highest quality plants.
1 ppp, 4-6 weeks	1-2 ppp, 6-8 weeks	4-5 ppp, 12-14 weeks	Generally not needed. Grow plants under high light with warm temperatures to achieve the best quality.	Thrips, whitefly	Botrytis, Thielaviopsis	Supplement fertilizers with extra Fe to avoid yellowing foliage. Avoid cold and wet conditions.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	Generally not needed. Is responsive to Bonzi(S) 20-30 ppm or Sumagic(S) 10-20 ppm to maintain habit as needed.	Thrips, aphids, whitefly	Root and stem rot	High light and cool temperatures will improve plant quality significantly.
1 ppp, 6-9 weeks	1-2 ppp, 7-11 weeks	3-5 ppp, 8-12 weeks	Use B-Nine(S) 2,500-5,000 ppm, Bonzi(D) 3-8 ppm or Florel(S) 300-500 ppm applied 1 time up to 3 times for large baskets to maintain habit as needed.	Thrips, aphids, leafminers	Root rot	Cooler air temperatures and high light will reduce or eliminate any need for plant growth regulators. Maintain pH at 5.2-5.8 to optimize plant health. Crop times will be shortest as days lengthen in Spring. Apply preventative broad- spectrum fungicide drench early (7-10 days after transplant). Avoid saturated media and excessive feed levels.
1 ppp, 5-8 weeks	1-3 ppp, 6-10 weeks	3-5 ppp, 8-12 weeks	Plant growth regulators are generally not needed and should only be applied if plants show signs of requiring extra control. B-Nine(S) 1,500-3,000 ppm applied 1 time up to 3 times should provide adequate control.	Thrips, aphids, leafminers	Root rot	Cooler air temperatures and high light will reduce or eliminate any need for plant growth regulators. Maintain pH at 5.2-5.8 to optimize plant health. Crop times will be shortest as days lengthen in Spring. Apply preventative broad-spectrum fungicide drench.
1 ppp, 7-8 weeks	2-3 ppp, 8-9 weeks	3-4 ppp, 9-10 weeks	B-Nine is typically used at 2,500 ppm to assist in minimizing internode stretch. The first application should be made approximately 2 weeks after the pinch, when new shoots are about 1.5 in. (4 cm) in length. Then spray once a week for about 3 weeks. Bonzi drench at 1 to 2 ppm has also shown to be effective.	Aphids, thrips, mites, leafminers	Botrytis	

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
CELOSIA	Intenz™	5.5-6.5	1,000-2,500	68-72°F (20-22°C)	62-65°F (17-18°C)	100-175	1	
CELOSIA	Twisted	5.5-6.5	1,000-2,500	68-72°F (20-22°C)	62-65°F (17-18°C)	100-175	1	
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 NEW Coleosaurus Improved Dragon Heart • Electric Lime® French Quarter • Heartbreaker Henna • Indian Summer • Inferno Limewire • Redhead Trusty Rusty • Vino Vulcan • 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	Copperhead	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	NEW MicroBlaze™	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)			
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	
COLEUS	NEW TrailBlazer™	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	NEW Cherrybells Honeybells NEW Sugarbells	5.4-5.8	6,000-12,000	70-75°F (21-24°C)	59-64°F (15-18°C)	175-225	1-2	

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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, 8-9 weeks	2-3 ppp, 10-12 weeks	3-4 ppp, 12-14 weeks	B-Nine is typically used at 2,500 ppm to assist in minimizing internode stretch. The first application should be made approximately 2 weeks after the pinch, when new shoots are about 1.5 in. (4 cm) in length. Then spray once a week for about 3 weeks. Bonzi drench at 1 to 2 ppm has also shown to be effective.	Aphids, thrips, mites, leafminers	Botrytis	
1 ppp, 8-9 weeks	2-3 ppp, 11-12 weeks	3-4 ppp, 14-15 weeks	B-Nine (Alar) is typically used at 2,500 ppm to assist in minimizing internode stretch. The first application should be made approximately 2 weeks after the pinch, when new shoots are about 1.5 in. (4 cm) in length. Then spray once a week for about 3 weeks. Bonzi drench at 1 to 2 ppm has also shown to be effective.	Aphids, thrips, mites, leafminers	Botrytis	
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	1-3 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	
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, 6-8 weeks	1-3 ppp, 8-10 weeks	4-6 ppp, 10-12 weeks	No PGR is recommended for this variety, very compact.	Whitefly, aphids, thrips	Downey mildew	Good branching coleus. No Pinch. No PGR after transplant.
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 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	Trailblazer Coleus will generally not require any PGR applications during production. Plants should be pinched only as needed since Trailblazer is extremely free-branching.
1-3 ppp, 6-8 weeks	2-5 ppp, 7-9 weeks	3-6 ppp, 10-12 weeks	None	Whitefly, aphids	Botrytis, Root rot	Pinch as needed to shape. Fertilize regularly. Crop times will be shortest under high light.
1 ppp, 6-8 weeks	2-5 ppp, 7-9 weeks	3-6 ppp, 10-12 weeks	Benefits from a Bonzi(D) 2 ppm to control finished habit Also can benefit from a Florel(S) 250 ppm tank mix with Configure(S) 75 ppm to increase branching.	Whitefly, aphids	Botrytis, Root rot	Pinch as needed to shape. Fertilize regularly. Crop times will be shortest under high light.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
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	
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	
DIPLADENIA (BUSH)	Jade	5.5-7.5	3,700-3,750	70-75°F (21-24°C)	60-70°F (16-21°C)		1	
DIPLADENIA (VINING)	Coral Orange	5.5-6.0	5,000-7,000	70-75°F (21-24°C)	60-65°F (16-18°C)	190-210	2	
DIPLADENIA (VINING)	Opal	5.5-6.0	5,000-7,000	70-75°F (21-24°C)	60-65°F (16-18°C)	190-210		
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	
EXACUM	Jupiter	5.2-5.6	1,000-2,500	70-75°F (21-24°C)	66-70°F (19-21°C)	225-300	n/a	
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)	Dynamo™	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (17-19°C)	225-300	0	
GERANIUM (ZONAL)	Fantasia®	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (17-19°C)	225-300	0	
GERANIUM (ZONAL)	Galaxy™	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (17-19°C)	225-300	0	
GERANIUM (ZONAL)	Presto™	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (17-19°C)	225-300	0	
GOMPHRENA	NEW Piñata	5.8-6.2	3,500-5,000	65-72°F (18-22°C)	66°F (19°C)	150-200	1-2	
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	

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4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1-2 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	None	Whitefly, aphids	Botrytis, Oedema, Root rot	Pinch as needed to shape. Keep soil moderately dry and maintain adequate air circulation during finishing to avoid Oedema. Fertilize regularly. Crop times will be shortest under high light.
1 ppp, 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, 16-18 weeks	1 ppp, 20-22 weeks	3 ppp, 20-22 weeks	None	Aphids (early Spring), spider mites (very dry weather)	Fusarium, Pythium	
1 ppp, 16-18 weeks	1 ppp, 20-22 weeks	2 ppp, 20-22 weeks	None	Aphids (early Spring), spider mites (very dry weather)	Bacteria Leaf Spot	
1 ppp, 16-18 weeks	1 ppp, 20-22 weeks	2 ppp, 20-22 weeks	None	Aphids (early Spring), spider mites (very dry weather)	Bacteria Leaf Spot	
1 ppp, 5-7 weeks	1-3 ppp, 6-9 weeks	3-5 ppp, 9-11 weeks	B-Nine(S) 2,500 ppm, Cycocel(S) 750 ppm tank mix 7-10 days after transplant. Do not use Florel.	None	None	Sensitive to overwatering. Pinch for a better habit, especially in larger containers.
1 ppp, 6-8 weeks	1-2 ppp, 8-9 weeks	3-4 ppp, 10-12 weeks	None	Whitefly, aphids	Pythium, Botrytis	Pinch as needed to shape. Fertilize regularly. Avoid extremely high humidity or saturated media, both of which will encourage Botrytis.
1 ppp, 11-12 weeks	3 ppp, 13-14 weeks		None as they are naturally compact.	Aphids	Botrytis	Bottom heat is recommended. Keep foliage dry/avoid overhead watering and humidity below 80% to avoid botrytis. Keep plants evenly moist but avoid over watering and grow on the dry side. Pinching not required.
1 ppp, 8-10 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,500 ppm to control growth; Florel(S) 200-300 ppm to improve branching. PGR generally not needed for basket production.	Fungus gnats, thrips, aphids, mites	Botrytis, Oedema, Pythium, Xanthomonas	Avoid drastic swings in soil moisture to reduce Oedema.
1 ppp, 8-10 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,500 ppm to control growth; Florel(S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Oedema, Pythium, Xanthomonas	Avoid drastic swings in soil moisture to reduce Oedema.
1 ppp, 8-9 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,000 ppm to control growth; Florel(S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Pythium, Xanthomonas	Keep foliage dry. Provide good air circulation.
1 ppp, 8-9 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,000 ppm to control growth; Florel(S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Pythium, Xanthomonas	Day and night temperatures of 71 to 76°F (21 to 24°C) are ideal for the earliest stages of plant development. Fantasia Geraniums usually do not require PGRs to produce high-quality plants. Refer to the Fantasia Zonal Geranium Grower Facts at ballfloraplant.com for detailed culture information.
1 ppp, 8-9 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Cycocel(S) 750-1,000 ppm to control growth; Florel (S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Pythium, Xanthomonas	Keep foliage dry. Provide good air circulation. Refer to Galaxy Geranium culture recommendations at ballfloraplant.com.
1 ppp, 8-9 weeks	1-2 ppp, 9-10 weeks	4-5 ppp, 11-13 weeks	Generally not needed. Cycocel(S) 750-1,000 ppm to control growth; Florel(S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	Botrytis, Pythium, Xanthomonas	Presto Geraniums usually do not require PGRs to produce high-quality plants. They are naturally compact, well-branched and early to flower.
1 ppp, 7-8 weeks	1-2 ppp, 8-10 weeks	2-3 ppp, 10-12 weeks	If necessary, applying B-Nine (daminozide) at 1,500 ppm/0.15% is an option to control plant height and/or help tone the plant.	Thrips	Botrytis	Pinch once 2 weeks after transplant, unless growing in larger containers. Piñata is a heat-loving plant. Keep this in mind when growing on – don't start too early in the northern regions. Keep soil moderately dry.
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.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
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	SunPatiens® Compact	5.8-6.2	4,000-9,000	68-79°F (20-26°C)	59-64°F (15-18°C)	75-150	0	
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 (DOUBLE)	NEW Glimmer™	5.8-6.2	4,000-6,000	68-76°F (20-24°C)	56-61°F (13-16°C)	175-225	0-1	
IMPATIENS (EXOTIC)	Patchwork™	5.8-6.2	4,000-6,000	68-76°F (20-24°C)	56-61°F (13-16°C)	175-225	0-1	
IMPATIENS (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	
IRESINE	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	
LAMIASTRUM	Jade Frost	5.8-6.2	4,000-8,000	71-79°F (22-26°C)	59-64°F (15-18°C)	175-225	1-2	
LAMIUM	Beacon Silver 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	

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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, 6-7 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 ppp, 7-9 weeks	3 ppp, 9-12 weeks	B-Nine/Bonzi (S) 1,000 ppm; B-Nine/2 ppm Bonzi (low rate) for Compact series.	Thrips, aphids, mites	Impatiens Necrotic Spot Virus, Botrytis, Pythium	Dry culture, low to moderate nutrition, and cool temperatures will promote toned plants.
1 ppp, 6-9 weeks	1-2 ppp, 7-9 weeks	4-5 ppp, 10-12 weeks	Bonzi(S) 5-15 ppm can be used to control habit early; Bonzi(D) 0.5-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. Florel(S) 100-200 ppm can be used to improve branching but will usually not be needed.	Leafminers, thrips	Impatiens Necrotic Spot Virus, Botrytis, Pythium	Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR applications to achieve ideal finished plants.
1 ppp, 5-7 weeks	1-2 ppp, 6-8 weeks	4-5 ppp, 9-12 weeks	Bonzi(S) 5-10 ppm can be used to control habit early; Bonzi(D) 0.5-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. Florel(S) 100-200 ppm can be used to improve branching but will usually not be needed.	Leafminers, thrips	Impatiens Necrotic Spot Virus, Botrytis, Pythium	Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR applications to achieve ideal finished plants. Glimmer requires less PGRs than Fiesta Double Impatiens.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	3-5 ppp, 10-12 weeks	Bonzi(S) 5-15 ppm is effective for height control. Florel(S) 100-300 ppm can be used to improve branching but will not usually be needed.	Aphids, thrips	Impatiens Necrotic Spot Virus, Botrytis, Pythium	Start feeding immediately after transplanting. Avoid water stress in all stages of crop. Avoid cold stress (night temperatures below 65°F/18°C). Maintain EC above 1.0 (SME). Use early PGR application to achieve ideal finished plants. A light Bonzi drench when plant is three-quarters of finish size will promote flowering above the foliage.
1 ppp, 7-9 weeks	1-2 ppp, 9-10 weeks	3-5 ppp, 10-13 weeks	Bonzi(S) 2-15 ppm can be used to control habit early; Bonzi(D) 0.25-2.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. Florel(S) 100-200 ppm can be used to improve branching but will usually not be needed.	Thrips, aphids, mites	Impatiens Necrotic Spot Virus, Botrytis, Pythium	Maintain 68°F (20°C) average daily temperature to optimize bloom size and reduce time to flower. Cooler temperatures will extend crop time. Grow crop somewhat dry to help control growth and hasten flowering. Avoid excess micro-nutrients in the soil. With good cultural practices and environmental conditions, no PGRs will be needed.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	4-5 ppp, 8-11 weeks	Bonzi(S) 2-10 ppm can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. Florel(S) 100-200 ppm can be used to improve branching but will usually not be needed.	Thrips, aphids, mites	Impatiens Necrotic Spot Virus, Botrytis, Pythium	Maintain 68°F (20°C) average daily temperature to optimize bloom size and reduce time to flower. Cooler temperatures will extend crop time. Grow crop somewhat dry to help control growth and hasten flowering. Avoid excess micro-nutrients in the soil. With good cultural practices and environmental conditions, no PGRs will be needed.
1 ppp, 4-5 weeks	1-3 ppp, 5-6 weeks	3-5 ppp, 8-10 weeks	Generally not required. B-Nine(S) 2,500-3,500 ppm can be effective at controlling growth.	Aphids, whitefly, spider mites	Pseudomonas	Avoid cold and wet conditions.
1 ppp, 4-5 weeks	1-3 ppp, 5-6 weeks	3-5 ppp, 8-10 weeks	Generally not required. B-Nine(S) 2,500-3,500 ppm can be effective at controlling growth.	Aphids, whitefly, spider mites	Pseudomonas	Avoid cold and wet conditions. In order for the product to climb pots, it needs to have a stake or trellis included.
1 ppp, 7-9 weeks	2-3 ppp, 8-10 weeks	4-5 ppp, 10-13 weeks	Generally not needed. Responsive to Bonzi.	Whitefly	None	Pinch regularly to encourage branching and improve habit.
1 ppp, 4-5 weeks	2-3 ppp, 5-8 weeks	3-5 ppp, 8-10 weeks	Generally not needed. Soil moisture and cool temperatures are the most effective way to control growth.	Aphids, whitefly	Root and stem rot	Pinch plants to encourage branching and improve habit.
1 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.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
LANTANA	Landmark™ Little Lucky™ Lucky™ New Gold Purple Falls Shamrock™ SunDance™	5.8-6.2	5,000-10,000	74-85°F (23-29°C)	62-67°F (17-19°C)	225-300	1-3	
LOBELIA	Early Springs™	5.8-6.2	5,000-8,000	71-76°F (22-24°C)	56-61°F (13-16°C)	175-225	1-2	
LOBELIA	Waterfall™	5.8-6.2	5,000-8,000	71-76°F (22-24°C)	56-61°F (13-16°C)	175-225	1-2	
LOBULARIA	Easy Breezy™	5.8-6.2	4,000-8,000	65-75°F (18-24°C)	56-61°F (13-16°C)	175-225	1-2	
LYSIMACHIA	Goldilocks	5.8-6.2	4,000-8,000	71-79°F (22-26°C)	59-64°F (15-18°C)	175-225	1-2	
MANDEVILLA (BUSH)	Tourmaline	5.5-7.5	5,000-7,000	70-75°F (21-24°C)	60-65°F (16-18°C)	190-210	2	
MANDEVILLA (VINING)	Agate XXL White	5.5-6.0	5,000-7,000	70-75°F (21-24°C)	60-70°F (16-21°C)	190-210	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	
NEMESIA	SunGlow™	5.7-6.2	4,000-7,000	64-75°F (18-24°C)	45-55°F (7-13°C)	175-225	1-2	
OSTEOSPERMUM	Blue Eyed Beauty Blushing Beauty Serenity™ Sunshine Beauty	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	44-55°F (7-13°C)	225-300	1	
OSTEOSPERMUM	NEW Voltage™ Gold 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®	5.4-5.9	5,000-8,000	60-70°F (16-21°C)	50-58°F (10-14°C)	200-250	1-2	

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4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1-2 ppp, 6-7 weeks	1-3 ppp, 7-8 weeks	3-6 ppp, 10-12 weeks	Lantana is responsive to a B-Nine 2,500-5,000 ppm and Cycocel 1,000-1,500 ppm tank mix(S), as well as Florel(S) 300-400 ppm, Bonzi(S) 20-40 ppm and Sumagic(S) 10-20 ppm. 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. Landmark varieties are more vigorous. Lucky varieties are naturally compact and free-branching.
1 ppp, 7-9 weeks	1 ppp, 9-11 weeks	4-5 ppp, 10-12 weeks	Generally not needed.	Aphids, thrips	Botrytis	Transplant 24-28 days after stick, and optional pinch again 10-14 days after transplant. 4-in. (10-cm) size may skip second pinch. Keep on dry side.
1 ppp, 9-10 weeks	2-3 ppp, 10-11 weeks	4-5 ppp, 10-13 weeks	Generally not needed.	Thrips	Botrytis	Blue has a mounded, trailing habit, while Lavender has a trailing habit. Ideal for Spring and Summer throughout North America. Will flower in Autumn, Winter and early Spring in the Sunbelt.
1 ppp, 4-5 weeks	1-2 ppp, 5-7 weeks	3-5 ppp, 6-8 weeks	Generally not needed. Grow plants under high light and use negative differential of temperature to tone plant habits.	Fungus gnats, whitefly	Root and stem rot	High light and cool temperatures produce high-quality plants.
1 ppp, 4-5 weeks	2-3 ppp, 5-8 weeks	3-5 ppp, 8-10 weeks	Generally not needed. Pinching is best for shaping the plant.	None	None	Goldilocks Lysimachia is grown primarily for its foliage.
1 ppp, 16-18 weeks	2 ppp, 20-22 weeks	2 ppp, 20-22 weeks	None	Aphids (early Spring), spider mites (very dry weather)	Bacteria Leaf Spot	
1 ppp, 16-18 weeks	1 ppp, 20-22 weeks	2 ppp, 20-22 weeks	None	Aphids (early Spring), spider mites (very dry weather)	Bacteria Leaf Spot	
1 ppp, 6-8 weeks	2-3 ppp, 6-8 weeks	5-6 ppp, 10-12 weeks	Plant Growth Regulators not needed when grown in high light.	Aphids, fungus gnats, slugs/snails	Botrytis, Root and stem rot	Mecardonia is heat and drought tolerant in the landscape. Generally, finished production pots can be produced with little to no maintenance required.
1 ppp, 5-7 weeks	2-3 ppp, 7-9 weeks	3-4 ppp, 9-11 weeks	Grow cool and bright to improve habit. Nemesia is responsive to B-Nine(S) 2,500-4,000 ppm, Sumagic(S) 20-30 ppm, and Florel(S) 200-300 ppm.	Thrips, aphids, leafminers	Root rot	If grown cool and with high light levels, Aromatica will generally require little, if any, PGRs. Avoid water-logged media.
1 ppp, 5-7 weeks	2 ppp, 7-8 weeks	3-4 ppp, 9-12 weeks	If necessary, B-Nine spray at 2,500-3,500 ppm can be effective. Growing cool helps to prevent stretch.	Thrips, aphids	Root rot, botrytis	
1 ppp, 10-13 weeks	2-3 ppp, 11-14 weeks	3-4 ppp, 11-15 weeks	Is responsive to B-Nine(S) 2,500-4,000 ppm alone or as a tank mix(S) with Cycocel 750-1,000 ppm. Bonzi(S) 15-30 ppm is also effective.	Aphids, whitefly, thrips	Root and stem rot, Botrytis	After transplanting, allow plants to become established for 1-2 weeks at 60-65°F (15-18°C). Once plants are well established, begin growing at recommended cool temperatures. After 4-6 weeks of cool conditions, plants can be forced in 6-8 weeks.
1 ppp, 8-11 weeks	1-2 ppp, 8-11 weeks	3-5 ppp, 8-11 weeks	Is responsive to B-Nine(S) 2,500-4,000 ppm alone or as a tank mix(S) with Cycocel 750-1,000 ppm. Bonzi(S) 15-30 ppm is also effective.	Aphids, whitefly, thrips	Root and stem rot, Botrytis	After transplanting, allow plants to become established for 1-2 weeks at 60-65°F (15-18°C). Once plants are well established, begin growing at recommended cool temperatures. Pinch optional. After 4-6 weeks of cool conditions, plants can be forced in 6-8 weeks.
1 ppp, 5-7 weeks	1-2 ppp, 6-8 weeks	3-4 ppp, 8-11 weeks	B-Nine(S) 2,000-4,000 ppm, applied 1-3 times, can be used to control habit.	Thrips, aphids, whitefly	Root rot	Plants should be pinched as needed to control habit. Crop times will be shorter under long days or warmer temperatures.
1 ppp, 6-8 weeks	1-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	Foliar sprays of A-Rest 10-30 ppm or sprays of B-Nine/Bonzi tank mix, B-Nine 2,500-5,000 ppm/Bonzi 10-30 ppm. Drench of A-Rest 1-3 ppm, or drench of Bonzi 1-4 ppm.	Whitefly, thrips, leafminers, aphids, mites	Botrytis, Crown rot, Tobacco Mosaic Virus	Cool temperatures and high light reduce need for PGR. SuperCal Blue, Purple and Terracotta are high vigor. Artist Rose, Cherry, Neon Rose and Pink Ice are medium vigor.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
PETCHOA	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	Bees Knees	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300	0-1	
PETUNIA	Black Magic	5.4-5.9	5,000-8,000	65-76°F (18-24°C)	53-61°F (12-16°C)	225-300	0-1	
PETUNIA	CannonBall™, Phantom	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	Cascadias™ Indian Summer	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300	0-1	
PETUNIA	Cha-Ching Cherry	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300	0-1	
PETUNIA	ColorRush™	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300	0-1	
PETUNIA	Midnight Gold, Pink Diamond	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300	0-1	
PETUNIA	NEW SureShot™	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 (DOUBLE)	Vogue™	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300	0-1	

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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	1-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	Foliar sprays of A-Rest 10-30 ppm or sprays of B-Nine/Bonzi tank mix, B-Nine 2,500-5,000 ppm/Bonzi 10-30 ppm. Drench of A-Rest 1-3 ppm, or drench of Bonzi 1-4 ppm.	Whitefly, thrips, leafminers, aphids, mites	Botrytis, Crown rot, Tobacco Mosaic Virus	Cool temperatures and high light reduce need for PGR.
1 ppp, 5-7 weeks	1-2 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce need for PGRs. Monitor regularly for high pH and possible iron deficiency.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	4-5 ppp, 8-11 weeks	B-Nine(S) 1,000-2,000 ppm, applied 2-4 times, can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor pH regularly for high pH and possible iron deficiency.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. B-Nine applications late in the crop time can cause instability in flower color.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 6-8 weeks	2-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. First blooms in low light/short day will have less star; as crop matures, color pattern intensifies.
1 ppp, 6-8 weeks	1 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 6-8 weeks	2-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Thrips, leafminers, whitefly	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor pH regularly for high levels and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce the need for PGRs. Monitor regularly for high pH and possible iron deficiency.
1 ppp, 6-8 weeks	2-3 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor 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.

ANNUAL CULTURE GUIDE

CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
PETUNIA (TRAILING)	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	
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	RíoGrande™	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	NEW Blue Chill · Mystic Spires Mysty · White Flame	5.8-6.2	6,000-10,000	71-79°F (22-26°C)	62-67°F (17-19°C)	175-225	1-2	
SCAEVOLA	Blue Brilliance Blue Fan, Bondi™ 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	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	Burgundy Wink Firehouse™ 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	

ANNUAL CULTURE GUIDE

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	1-3 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(S) 750-1,000 ppm, Bonzi 2-3 ppm drench. Apply 2-3 times early in the crop cycle.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	This is a vigorous variety that branches well. Early growth regulator applications help with tone and branching.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine 1,500-2,500 ppm and Cycocel 750-1,000 ppm tank mix(S) or Bonzi(S) 5-20 ppm applied as needed is effective.	Whitefly, worms	Root rot	Mona Lavender requires a short-day treatment to flower. Natural-day crops can be finished in southern climates for January to March sales. Spring, Summer and Fall crops can be achieved using black cloth/short days in all regions.
1 ppp, 6-8 weeks	1-3 ppp, 7-10 weeks	3-5 ppp, 9-12 weeks	Generally not needed.	Whitefly	Botrytis, Pythium, Rhizoctonia	Regularly allow the media to dry between waterings. Pinch regularly to improve habit.
1-2 ppp, 5-6 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 9-12 weeks	Generally not needed.	Whitefly	Root rot	Regularly allow the media to dry moderately between waterings, especially in cool periods. Regular pinching and constant feeding will improve habit and flowering.
1 ppp, 7-9 weeks	1-2 ppp, 8-10 weeks	2-3 ppp, 10-12 weeks	A B-Nine 2,000-3,500 ppm and Cycocel 1,000-1,500 ppm tank mix(S) will help control height.	Whitefly, fungus gnats, thrips	Botrytis, Pythium, Rhizoctonia	Regularly allow the media to dry between waterings, particularly during cool periods. Prefers warm conditions to ensure early flowering.
1 ppp, 4-8 weeks	2-3 ppp, 6-10 weeks	4-5 ppp, 8-12 weeks	Responsive to B-Nine 2,500-3,000 ppm. Increase rates as days lengthen in late Spring and Summer.	Whitefly	None	Regularly allow the media to dry moderately between waterings, especially in cool periods. Proper pinching and moderate feeding will improve habit and flowering.
1 ppp, 5-7 weeks	1-2 ppp, 7-8 weeks	3-5 ppp, 10-12 weeks	Generally not needed. Bonzi(D) 1-3 ppm or Bonzi(S) 20-40 ppm will control growth.	Whitefly	Pythium, Rhizoctonia	Scaevola prefers a well-drained soil. Allow the media to dry between waterings. Night temperatures lower than recommended will significantly slow the crop and lead to problems with root rot.
	1-2 ppp, 8-10 weeks	3-5 ppp, 10-13 weeks	Generally not needed.	Whitefly	Root rot	Moderate light levels produce more colorful foliage. Pinch early to shape. Feed regularly to maintain growth.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	4-5 ppp, 10-12 weeks	Generally not needed.	Mites, whitefly, thrips	Botrytis	Thunbergia is a warm-season crop that prefers night temperatures above 60°F (15°C). Pinch regularly to shape.
1 ppp, 5-7 weeks	1-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks	Generally not needed.	Whitefly, spider mites, thrips	Botrytis	Torenia is a warm-season crop that prefers night temperatures above 60°F (16°C). Pinch regularly to shape.
1 ppp, 5-7 weeks	1-3 ppp, 7-8 weeks	4-5 ppp, 10-13 weeks	Generally not needed. Bonzi(D) at 1-3 ppm two to four weeks after transplant will tone finished growth when grown warm in the greenhouse. Cool night temperature during production cycle promotes tight habits.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between irrigation.
1 ppp, 5-7 weeks	1-3 ppp, 7-8 weeks	4-5 ppp, 10-13 weeks	Responsive to a B-Nine 2,500-3,500 ppm/Cycocel 750-1,000 ppm tank mix(S) and Flore(S) 250-300 ppm to control growth and improve plant habit.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between waterings. Pinch as needed to shape. EnduraScape varieties may require more PGR use under normal conditions.
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 Flore(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.

POLICIES & LICENSING

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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, with the term "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; Yecaflo, Mexico; Dummen Orange, Encinitas, CA, U.S.

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www.ballfloraplant.com/BFP/Propagation.aspx

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

FLOWERING-ONLY VARIETIES

Commercial Name	Variety Name
ANGELONIA	
AngelDance™ Fuchsia Bicolor	Baladanubc
AngelDance™ Violet Bicolor	Baladaniob
Angelissa™ Purple	SAIANG002
Angelissa™ Rose	SAIANG003
Angelissa™ White	SAIANG001
AngelMist® Spreading Berry Sparkler	Balangspeny
AngelMist® Spreading Bluebird	Balangspird
AngelMist® Spreading Dark Purple	Balangsparpi
AngelMist® Spreading Pink	Balangspini
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	Balarcorpip
Archangel™ Purple	Balarcorpup
Archangel™ Raspberry	Balarcaspim
Archangel™ White Improved	Balarcovitim
BACOPA	
MegaCopa™ Blue	Balmecoblu
MegaCopa™ Pink	Balmecopinim
MegaCopa™ Pink Shine	Balmecopin
MegaCopa™ Sky Blue	Balmecosclu
MegaCopa™ White	Balmecovite
Versa™ Blue	Balverlu
Versa™ Pink Shine	Balverpine
Versa™ White	Balmecoversi

BIDENS

Bee Happy™ Orange	Baleenan
Bee Happy™ Red	Baleehedi
Bee Alive	Bee Alive
Bee Bold	Bee Bold
Sun Drop Compact	Balbisopac
Sun Drop Compact Double Yellow	Balbisodel
Sun Drop Double Yellow	Balbisudi
Sun Drop	Balbisundi
Sunbeam	KLEBF07003

BRACHYSCOME

Brasco™ Violet	DBRASC9
Fresco™ Purple	DBRAFRESPU
Radiant Magenta	Cherish

BRACTEANTHA

Dreamtime® Jumbo Pure White	Bondrepuho
Dreamtime® Jumbo Red	Bondre 11100
Dreamtime® Jumbo Rose	Bondre 1051
Dreamtime® Jumbo Yellow	OHB003790

CALIBRACHOA

Cabaret® Bright Red	Balcabrite
Cabaret® Bright White Improved	Balcabriwi
Cabaret® Deep Blue	Balcabdebu
Cabaret® Deep Yellow	Balcabdepy
Cabaret® Diva Orange	Balcabivor
Cabaret® Diva Pink	Balcabivni
Cabaret® Good Night Kiss	Balcabooin
Cabaret® Hot Pink	Balcabhopi
Cabaret® Hot Rose	Balcabotro
Cabaret® Lavender Improved	Balcablav332
Cabaret® Lemon Yellow Improved	Balcabyleim
Cabaret® Light Pink	Balcablinkim
Cabaret® Light Pink Kiss	Balcablipism
Cabaret® Midnight Blue	Balcablightu
Cabaret® Midnight Kiss	Balcabmiss
Cabaret® Neon Rose	Balcabearno
Cabaret® Orange	Balcaborim
Cabaret® Pink Improved	Balcabini490
Cabaret® Pink Star Improved	Balcabinstim
Cabaret® Purple	Balcabpurim
Cabaret® Red	Balcabred20
Cabaret® Sky Blue	Balcabsklu
Cabaret® Strawberry Parfait	Balcabpar
Cabaret® White	Balcabwhite
Cabaret® Yellow	Balcabel681
Cha-Cha™ Deep Blue	Balchadeb
Cha-Cha™ Diva Apricot	Balchadap
Cha-Cha™ Diva Hot Pink	Balchadotin
Cha-Cha™ Frosty Lemon	Balchafrem
Cha-Cha™ Fuchsia	Balchaucia
Cha-Cha™ Lavender	Balchalav
Cha-Cha™ Orange	Balchaora
Cha-Cha™ Red	Balchared
Cha-Cha™ Red Kiss	Balchariss
Cha-Cha™ Tangerine	Balchatang
Cha-Cha™ Yellow	Balchaelo
Conga™ Cherry	Balcongery
Conga™ Dark Blue	Balcongarlu
Conga™ Diva Orange	Balcongivor
Conga™ Lavender	Balcongavim
Conga™ Pink Kiss	Balcongpiq246
Conga™ Pink Star	Balconginar
Conga™ Purple Star	Balcongplar
Conga™ Red	Balcongedi
Conga™ Rose Improved	Balcongroi800
Conga™ White Improved	Balcongwit
Conga™ Yellow	Balcongels36
Bumble Bee™ Blue	Balcanumli
Bumble Bee™ Hot Pink	Balumotnik
Bumble Bee™ Orange	Balburnora
Bumble Bee™ Pink	Balcanumbi

COLEUS

FlameThrower™ Cajun Spice	UF15-11-3
FlameThrower™ Chili Pepper	UF08-19-10
FlameThrower™ Chipotle	UF12-82-3
FlameThrower™ Habanero	UF09-8-37
FlameThrower™ Salsa Roja	UF15-97-9
FlameThrower™ Salsa Verde	UF14-24-1
FlameThrower™ Serrano	UF15-6-28
FlameThrower™ Spiced Curry	UF12-73-5
FlameThrower™ Sriracha	Balfamsira
MicroBlaze™ Matchsticks	Balmazmick
MicroBlaze™ Spiffire	UF17-109-09
Burgundy Wedding Train	Kakegawa CE10
Campfire	UF12-22-1
Coleosaurus Improved	Balsosauri
Copperhead	UF17-52-25
Dragon Heart	UF17-11-5
Electric Lime®	UF04335
French Quarter	UF13-48-27
Heartbreaker	UF16-91-25
Henna	Balocenna
Indian Summer	Balocinsu
Inferno	UF13-26-7
Lava Rose	Kakegawa CE1
Limewire	UF17-52-13
Redhead	UF0646
Ruby Punch	SAKCOL023
Ruby Slipper	UF13-42-4
Special Effects	UF12-74-3

Trusty Rusty	UF06419
Vino	Balcovino
Vulcan	UF18-62-10
Wasabi	UF0843
TrailBlazer™ Glory Road	Baltazlord
TrailBlazer™ Road Trip	Baltazrip

CUPHEA

Cherrybells	Cherrybells
Firecracker	Firecracker
Honeybells	Balhoelrel
Sugarbells	Sugarbells

DIASCIA

Juliet™ Orange	Bajjulorim
Juliet™ Pink	Bajjulink
Juliet™ Red	Bajjuled
Juliet™ Rose	Bajjulose
Juliet™ White	Bajjulitim

EUPHORBIA

Breathless® Blush	Balbreblush
Breathless® White	Balbrewhite

IMPATIENS

SunPatens® Compact Blush Pink	SAKIMP013
SunPatens® Compact Classic White	SAKIMP068
SunPatens® Compact Coral Pink	SAKIMP040
SunPatens® Compact Deep Red	SAKIMP062
SunPatens® Compact Deep Rose	SAKIMP017
SunPatens® Compact Electric Orange	SAKIMP025
SunPatens® Compact Hot Coral	SAKIMP026
SunPatens® Compact Hot Pink	SAKIMP061
SunPatens® Compact Lavender Splash	SAKIMP069
SunPatens® Compact Neon Pink	SAKIMP033
SunPatens® Compact Orange	SAKIMP054
SunPatens® Compact Orchid Blush	SAKIMP051
SunPatens® Compact Pink	SAKIMP019
SunPatens® Compact Pink Candy	SAKIMP046
SunPatens® Compact Purple	SAKIMP044
SunPatens® Compact Purple Candy	SAKIMP071
SunPatens® Compact Red	SAKIMP030
SunPatens® Compact Red Candy	SAKIMP070
SunPatens® Compact Rose Glow	SAKIMP059
SunPatens® Compact Royal Magenta	SAKIMP029
SunPatens® Compact Summer Salsa	SAKIMP037
SunPatens® Compact Tropical Rose	SAKIMP037

DOUBLE IMPATIENS

Fiesta™ Pink Ruffle	Pink Ruffle
Fiesta™ Sparkler Cherry	Balfiesprk
Fiesta™ Sparkler Hot Pink	Balfiesink
Fiesta™ Stardust Pink	Balolestop
Fiesta™ Stardust Purple	Balfiestarp
Glimmer™ Appleblossom	Balglimapp
Glimmer™ Bright Red	Balglimred
Glimmer™ Burgundy	Balglimbur
Glimmer™ Dark Red	Balglimdre
Glimmer™ Hot Pink	Balglimotin
Glimmer™ Salmon	Balglimsal
Glimmer™ White	Balglimite

EXOTIC IMPATIENS

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

IPOMOEA

SolarPower™ Black	Balsolablum
SolarPower™ Black Heart	Balsolabart
SolarPower™ Lime	Balsolalimii
SolarPower™ Lime Heart	Balsolalimrt
SolarPower™ Red	Balsolared
SolarPower™ Red Heart	Balsolaredar
SolarTower™ Black	Balsotowac
SolarTower™ Lime	Balsotowim
Spotlight™ Black	Balspotack
Spotlight™ Black Heart	Balspotbart
Spotlight™ Lime	Balspotime
Spotlight™ Lime Heart	Balspotimart
Spotlight™ Red	Balspotred
Spotlight™ Red Heart	Balspotredart

LANTANA

Bloomify™ Mango	Baloomang
Bloomify™ Orange	Baloomor
Bloomify™ Pink	Baloomink
Bloomify™ Red	UF-1013A-2A
Bloomify™ Rose	UF-1011-2
Landmark™ Citrus	Balandcit
Landmark™ Gold Improved	Balandolim
Landmark™ Red	Balandred
Landmark™ Rose Glow	Balandroglim
Landmark™ Sunrise Rose	Balandrunim
Landmark™ White Improved	Balandwitim
Landmark™ Yellow	Balucyell
Little Lucky™ Hot Pink	Flortanapi
Little Lucky™ Lavender	Ballucnav
Little Lucky™ Orange	Ballucagl
Little Lucky™ Peach Glow	Balluceagor
Little Lucky™ Pot Of Gold	Balucogold
Little Lucky™ Red	Baluced
Little Lucky™ White	Balucwitim
Lucky™ Flame	Balucraim

Lucky™ Lavender
 Lucky™ Pink
 Lucky™ Pot Of Gold
 Lucky™ Red
 Lucky™ Sunrise Rose
 Lucky™ White Improved
 Lucky™ Yellow
 Purple Falls
 Shamrock™ Butterscotch Glow
 Shamrock™ Orange Flame
 Shamrock™ Peach Improved
 Shamrock™ Rose
 Shamrock™ White
 SunDance™ Pink
 SunDance™ Red
 SunDance™ White
 SunDance™ Yellow

LOBELIA
 Early Springs™ Blue
 Early Springs™ Dark Blue
 Early Springs™ Lavender Pink
 Early Springs™ Magenta
 Early Springs™ Pink
 Early Springs™ White Improved
 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
 Sunshine Beauty
 Voltage™ Gold
 Voltage™ White
 Voltage™ Yellow
 Serenity™ Bronze
 Serenity™ Coral Magic
 Serenity™ Dark Purple
 Serenity™ Deep Yellow
 Serenity™ Lavender Frost
 Serenity™ Pink
 Serenity™ Pink Magic
 Serenity™ Red
 Serenity™ Rose Magic
 Serenity™ White

PERILLA
 Magilla™ Purple

PETCHOA
 SuperCal® Artist Rose
 SuperCal® Blue
 SuperCal® Cherry
 SuperCal® Light Yellow
 SuperCal® Neon Rose
 SuperCal® Pink
 SuperCal® Violet
 SuperCal® Premium Bordeaux
 SuperCal® Premium Caramel Yellow
 SuperCal® Premium Cinnamon
 SuperCal® Premium French Vanilla
 SuperCal® Premium Pearl White
 SuperCal® Premium Purple Dawn
 SuperCal® Premium Red Maple
 SuperCal® Premium Sunray Pink
 SuperCal® Premium Sunset Orange
 SuperCal® Premium Yellow Sun

PETUNIA
 Bee's Knees
 Black Magic
 Bluerific
 CannonBall™ Blue
 CannonBall™ Burgundy
 CannonBall™ Burgundy Star
 CannonBall™ Coral
 CannonBall™ Pink
 CannonBall™ Red
 CannonBall™ Rose Vein
 CannonBall™ White
 CannonBall™ Yellow
 Cascadias™ Indian Summer
 ColorRush™ Blue
 ColorRush™ Merlot Star
 ColorRush™ Pink
 ColorRush™ Pink Star
 ColorRush™ Pink Vein
 ColorRush™ Purple
 ColorRush™ Red
 ColorRush™ Watermelon Red
 ColorRush™ White
 ColorRush™ Yellow

Balucrav
 Balucink
 Balucgold
 Balucored
 Balandrise
 Balucwhitum
 Balucimyel
 Purple Falls
 Balshamochl
 Balshamorf
 Balshameai
 Balshamose
 Balshamite
 SAILAN004
 SAILAN003
 SAILAN002
 SAILAN001

Balspringlu
 KLELE12472
 KLELE12474
 Balspringma
 Balspringin
 Balspringitim
 Balobwabulu
 Balwapur
 Balwawish

Balbeezink
 Balbeezpur
 Balbeezite
 SAKMEC002

Balaroppi
 Balaroyble
 Balarwitim

Balostlueye
 Balostush
 Sunshine Beauty
 KLEOE19400
 Balvowite
 Balvoveyle
 Balseronze
 Balserocric
 Balserdarp
 Balserdeio
 Balserlavosim
 Balserpinkim
 Balserpima
 Balsered
 Balseroma
 Balserimwhi

Balmagpurp
 SAKPXC010
 SAKPXC006
 SAKPXC012
 SAKPXC017
 Kakegawa S89
 SAKPXC031
 SAKPXC011
 SAKPXC023
 SAKPXC024
 SAKPXC021
 SAKPXC020
 SAKPXC033
 SAKPXC030
 SAKPXC034
 SAKPXC022
 SAKPXC032
 SAKPXC029

Balcobees
 Dray68
 Bluerific
 Balcannlu
 Balcannur
 Balcannurs
 Balcannor
 Balcannink
 Balcanned
 Balcannosv
 Balcannite
 Balcannell
 DCAS303
 Balcushlu
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 Balcushinik
 Balcushinar
 Balcushinein
 Balcushurp
 Balcushed
 Balcushware
 Balcushite
 Balcushell

Cha-Ching Cherry
 Midnight Gold
 Phantom
 Pinkceptional
 Pink Diamond
 SureShot™ Blue Vein
 SureShot™ Blueberries & Cream
 SureShot™ Bluerific
 SureShot™ Dark Blue
 SureShot™ Dark Red
 SureShot™ Magenta
 SureShot™ Pinkceptional
 SureShot™ White

DOUBLE PETUNIA
 Vogue™ Blue
 Vogue™ Lavender Vein
 Vogue™ Lemon Berry
 Vogue™ Pink
 Vogue™ Red
 Vogue™ White

TRAILING PETUNIA
 Rhythm And Blues

PLECTRANTHUS
 Mona Lavender
 Nico
 Nicollela

PURSLANE
 RioGrande™ Magenta
 RioGrande™ Orange
 RioGrande™ Scarlet
 RioGrande™ White
 RioGrande™ Yellow

SALVIA
 Black & Bloom
 Blue Chill
 Mystic Spires
 Mystic
 Purple & Bloom
 Roman Red
 White Flame

SCAEVOLA
 Bondli™ Blue
 Bondli™ White
 Blue Brilliance
 White Sparkle

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

TORENIA
 Summer Wave® Large Amethyst
 Summer Wave® Large Blue
 Summer Wave® Large Violet

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

Balpechay
 MIYOPEEA
 Balpephan
 Pinkceptional
 MIPEHR436
 Balsursbluv
 Balsursbeam
 Bluerific
 Balsursaru
 Balsursared
 Balsursgen
 Pinkceptional
 Balsursite
 KLEPH22428
 Kervovein
 Kervoberry
 Balvogink
 Balvoged
 Balvogite
 Balperblues
 Plepalia
 Nico
 Nicollela
 KLEPO14001
 KLEPO14824
 KLEPO14002
 Balriowite
 KLEPO14825
 Black & Bloom
 Balsaluchl
 Balsalmispim
 Balsalmysty
 Purple & Bloom
 Roman Red
 White Flame
 Kingscablin
 Kingscabowi
 Blue Brilliance
 Kingscawite
 VOLTHU 1007
 Lemon Star
 Orange Wonder
 Sunrenilapa
 Sunrenilabu
 Sunrenilamu
 Florbenacher
 Balcadopwi
 Balcadavium
 Balcadentwi
 Balcadpink
 Balcadurp
 Balcadredim
 Balcadetlu
 Balcadite
 Balendlium
 Balendurg
 Balendakte
 Balendopin
 Balendmag
 Balendpibi
 Balendinz
 Balendurp2
 Balendredim
 Balendwite
 Balfirebizz
 Balfireburgim
 Balfireape
 Balfirelav
 Balfireltpi
 Balfireinkim
 Balfirepur
 Balfirepizzim
 Balendred
 Balfirevonik
 Balfirettim
 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.

FLOWERING-ONLY VARIETIES

Commercial Name **Variety Name**

IVY GERANIUM

Focus™ Burgundy Improved TOSTB1521
 Focus™ Red Ice Tosforice
 Focus™ Red Improved TOSTB1418
 Focus™ Rose Improved TOSTB1204
 Focus™ Shocking Blue TOSTC1087
 Focus™ White TOSTC1015
 Precision™ Burgundy Balcolbugi
 Precision™ Burgundy Ice Sil Nixe Red
 Precision™ Dark Burgundy KLEP01042
 Precision™ Dark Salmon KLEPP08218
 Precision™ Lavender Blue Florpelltav
 Precision™ Pink Tosprelimip
 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

ZONAL GERANIUM

Dynamo™ Dark Red Tosdyndredi
 Dynamo™ Dark Salmon SIL Gatwig
 Dynamo™ Hot Pink ToscaQ488
 Dynamo™ Light Pink SIL Gesa
 Dynamo™ Orange TOSTC0563
 Dynamo™ Pink Flare TOSTB2057
 Dynamo™ Purple Improved TOSTE0488
 Dynamo™ Red TOSTC0600
 Dynamo™ Salmon Tosdynsalim
 Dynamo™ Scarlet Improved TOSTD0194
 Dynamo™ Violet Improved TOSTE0601
 Dynamo™ White Tosdynwitim

Fantasia® Appleblossom
 Fantasia® Cardinal Red
 Fantasia® Cranberry Sizzle
 Fantasia® Dark Red
 Fantasia® Flamingo Rose
 Fantasia® Fuchsia Berry
 Fantasia® Orange
 Fantasia® Pink
 Fantasia® Purple Sizzle
 Fantasia® Salmon
 Fantasia® Scarlet
 Fantasia® Shocking Blue
 Fantasia® Shocking Pink
 Fantasia® Strawberry Sizzle
 Fantasia® Violet
 Fantasia® White
 Galaxy™ Dark Red
 Galaxy™ Orange
 Galaxy™ Pink
 Galaxy™ Purple
 Galaxy™ Red
 Galaxy™ Salmon
 Galaxy™ Violet
 Galaxy™ Watermelon
 Galaxy™ White
 Presto™ Brilliant Red
 Presto™ Dark Red
 Presto™ Deep Scarlet
 Presto™ Orange
 Presto™ Pink Improved
 Presto™ Pink Sizzle
 Presto™ Pink+Eye Improved
 Presto™ Rose Flare
 Presto™ Salmon
 Presto™ Violet
 Presto™ White

NEW GUINEA IMPATIENS

Celebration Apricot BALCELAPT
 Celebration Bright Salmon Balcelbrsal
 Celebration Cherry Red
 Celebration Deep Red BFP-523 Deep Red
 Celebration Electric Rose Balceleiro
 Celebration Icy Blue Balcobibu
 Celebration Lavender Glow Balcalavgo
 Celebration Orange BFP-605 Orange
 Celebration Pink Balcealimpk
 Celebration Purple Balcealimpur
 Celebration Purple Star
 Celebration Raspberry Rose Raspberry Rose
 Celebration Rose Rose
 Celebration Rose Star Balcealrost
 Celebration Sangria Balcealsangi
 Celebration Sunset Apricot Balcealsuna
 Celebration Tropical Peach Balceltrop
 Celebration White Balcelwitim
 Clockwork™ Appleblossom Balcloapi
 Clockwork™ Cherry Strike Balclorike
 Clockwork™ Hot Pink Glow Balclohopi
 Clockwork™ Lavender Balcollav
 Clockwork™ Orange Balceborushi
 Clockwork™ Orange Stripe Balceboripi
 Clockwork™ Pink Star Balceborcari
 Clockwork™ Purple Balceborushi
 Clockwork™ Red Balclod111
 Clockwork™ Rose Balclorose
 Clockwork™ White Balclowiti
 Clockwork™ White Balclowiti

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.

If paying by Pre-Authorized Debit (PAD), or EFT, please note you have waived your right to receive pre-notification of the amount of the PAD and agreed that you do not require advance notice of the amount of PADs before the debit is processed.

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 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 Terms and Conditions of Sale Agreement, United States Plant Patents, United States Plant Variety Protection, Utility Patents, and Plant Breeders' Rights. These varieties may not be reproduced without authorization. The breeder or authorized representative has the right to inspect Purchaser's nurseries during normal business hours to assess compliance with the restrictions on use of protected varieties.

TRADEMARKS

® denotes a U.S. registered trademark and ™ denotes a trademark of Ball Horticultural Company, unless otherwise indicated.

SALES LIMITATIONS

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

FOREIGN CORRUPT PRACTICES ACT. EACH PARTY REPRESENTS AND WARRANTS TO THE OTHER PARTY THAT IT WILL TAKE NO ACTION IN RELATION TO THIS TRANSACTION THAT WOULD BE IN VIOLATION OF THE APPLICABLE LAWS AND REGULATIONS OF ANY COUNTRY AND THE UNITED STATES OF AMERICA. NO PAYMENTS OF MONEY OR ANYTHING OF VALUE WILL BE OFFERED, PROMISED OR PAID, DIRECTLY OR INDIRECTLY, TO ANY OFFICIALS TO INFLUENCE THE ACTS OF SUCH OFFICIALS TO INDUCE THEM TO USE THEIR INFLUENCE WITH A GOVERNMENT OR AN INSTRUMENTALITY THEREOF, OR TO OBTAIN AN IMPROPER ADVANTAGE.

DISCONTINUED BALL FLORAPLANT VARIETIES FOR 2023

VARIETY	RECOMMENDED REPLACEMENT
Angelonia Archangel™ White	Angelonia Archangel™ White Improved
Calibrachoa Cabaret® Bright White	Calibrachoa Cabaret® Bright White Improved
Calibrachoa Cabaret® Golden Yellow	Calibrachoa Cabaret® Yellow
Calibrachoa Cabaret® Pink	Calibrachoa Cabaret® Pink Improved
Calibrachoa Cabaret® Pink Star	Calibrachoa Cabaret® Pink Star Improved
Calibrachoa Cabaret® Rose	Calibrachoa Cabaret® Hot Rose
Calibrachoa Conga™ Deep Yellow	Calibrachoa Conga™ Yellow
Calibrachoa Conga™ Light Pink Star	Calibrachoa Conga™ Pink Kiss
Calibrachoa Conga™ Orange Kiss	Calibrachoa Conga™ Orange
Calibrachoa Conga™ Pink	Calibrachoa Conga™ Pink Kiss
Calibrachoa Conga™ Rose	Calibrachoa Conga™ Rose Improved
Calibrachoa Conga™ Rose Kiss	Calibrachoa Conga™ Rose Improved
Calibrachoa Conga™ Sunset Kiss	Calibrachoa Conga™ Orange
Calibrachoa Conga™ White	Calibrachoa Conga™ White Improved
Calibrachoa Terracotta	Calibrachoa Cha-Cha™ Diva Apricot
Coleus Coleosaurus	Coleus Coleosaurus Improved
Coleus Pinkplosion	Coleus Heartbreaker
Geranium, Ivy Focus™ Burgundy	Geranium, Ivy Focus™ Burgundy Improved
Geranium, Ivy Focus™ Hot Pink	Geranium, Ivy Focus™ Rose Improved
Geranium, Ivy Focus™ Red	Geranium, Ivy Focus™ Red Improved
Geranium, Ivy Focus™ Rose	Geranium, Ivy Focus™ Rose Improved
Geranium, Zonal Dynamo™ Purple	Geranium, Zonal Dynamo™ Purple Improved
Geranium, Zonal Dynamo™ Scarlet	Geranium, Zonal Dynamo™ Scarlet Improved
Geranium, Zonal Dynamo™ Violet	Geranium, Zonal Dynamo™ Violet Improved
Geranium, Zonal Fantasia® Neon Rose	Geranium, Zonal Fantasia® Shocking Pink
Geranium, Zonal Presto™ Light Salmon	Geranium, Zonal Presto™ Salmon
Geranium, Zonal Presto™ Pink	Geranium, Zonal Presto™ Pink Improved
Geranium, Zonal Presto™ Pink+Eye	Geranium, Zonal Presto™ Pink+Eye Improved
Impatiens, Double Fiesta™ Appleblossom	Impatiens, Double Glimmer™ Appleblossom
Impatiens, Double Fiesta™ Burgundy	Impatiens, Double Glimmer™ Burgundy
Impatiens, Double Fiesta™ Deep Orange	Impatiens, Double Glimmer™ Salmon
Impatiens, Double Fiesta™ Lavender Orchid	Impatiens, Double Glimmer™ Appleblossom
Impatiens, Double Fiesta™ Purple	Impatiens, Double Glimmer™ Burgundy
Impatiens, Double Fiesta™ Salsa Red	Impatiens, Double Glimmer™ Bright Red
Impatiens, Double Fiesta™ Sunrise Red	Impatiens, Double Glimmer™ Bright Red
Impatiens, Double Fiesta™ White	Impatiens, Double Glimmer™ White
Impatiens, Double Fiesta Bonita™ Burgundy	Impatiens, Double Glimmer™ Burgundy
Impatiens, Double Fiesta Bonita™ Cherry	Impatiens, Double Glimmer™ Bright Red
Impatiens, Double Fiesta Bonita™ Pink	Impatiens, Double Glimmer™ Hot Pink
Impatiens, Double Fiesta Bonita™ Rose	Impatiens, Double Glimmer™ Hot Pink
Impatiens, Double Fiesta Bonita™ Salmon	Impatiens, Double Glimmer™ Salmon
Impatiens, Double Fiesta Bonita™ Stardust Lavender	Impatiens, Double Fiesta™ Stardust Purple
Impatiens, Double Fiesta Bonita™ White	Impatiens, Double Glimmer™ White
Interspecific Impatiens SunPatens® Compact Lilac	Interspecific Impatiens SunPatens® Compact Lilac Improved
Interspecific Impatiens SunPatens® Compact White	Interspecific Impatiens SunPatens® Compact Classic White
Interspecific Impatiens SunPatens® Vigorous Series	No Replacement
Interspecific Impatiens SunPatens® Best Friends Mix	Interspecific Impatiens SunPatens® Best Friends Mix Improved
Interspecific Impatiens SunPatens® Forever Summer Mix	Interspecific Impatiens SunPatens® Forever Summer Mix Improved

VARIETY	RECOMMENDED REPLACEMENT
Interspecific Impatiens SunPatens® Lovebird Mix	Interspecific Impatiens SunPatens® Summer Salsa Mix
Interspecific Impatiens SunPatens® Tropical Punch Mix	Interspecific Impatiens SunPatens® Hawaiian Sunset Mix
Lantana Landmark™ Gold	Lantana Landmark™ Gold Improved
Lantana Landmark™ White	Lantana Landmark™ White Improved
Lantana Little Lucky™ Lemon Cream	Lantana Little Lucky™ White
Lantana Lucky™ White	Lantana Lucky™ White Improved
Lantana Shamrock™ Peach	Lantana Shamrock™ Peach Improved
Lobelia Early Springs™ Sky Blue	Lobelia Early Springs™ Blue
Lobelia Early Springs™ White	Lobelia Early Springs™ White Improved
MixMasters™ Bejeweled Improved (2022)	MixMasters™ Bejeweled Improved (2023)
MixMasters™ Biden My Time	MixMasters™ Biden My Time Improved
MixMasters™ Big Flirt	MixMasters™ Big Flirt Improved
MixMasters™ Color Magic	MixMasters™ Color Magic Improved
MixMasters™ Heartland Improved (2022)	MixMasters™ Heartland Improved (2023)
MixMasters™ Hot Rod	MixMasters™ Fire Dancer
MixMasters™ Love Me Tender	MixMasters™ Conga Line
MixMasters™ Over The Top Improved (2022)	MixMasters™ Over The Top Improved (2023)
MixMasters™ Panorama	MixMasters™ Panorama Improved
MixMasters™ Paradise Sunrise	MixMasters™ Paradise Sunrise Improved
MixMasters™ Pico de Gallo	MixMasters™ Fire & Spice
MixMasters™ Playdate	MixMasters™ Sundance Improved
MixMasters™ Rainbow Bright	MixMasters™ Rainbow Bright Improved
MixMasters™ Rosé Everyday Improved (2022)	MixMasters™ Rosé Everyday Improved (2023)
MixMasters™ Summer Cocktail	MixMasters™ Home Sweet Home
MixMasters™ Sundance	MixMasters™ Sundance Improved
MixMasters™ Sunnyside	MixMasters™ Sunnyside Improved
MixMasters™ Sunshine State	MixMasters™ Sunshine State Improved
MixMasters™ Tea Party Improved (2022)	MixMasters™ Tea Party Improved (2023)
Petchoa SuperCal® Lavender Star	Petchoa SuperCal® Premium Sunray Pink
Petchoa SuperCal® Pink Ice	Petchoa SuperCal® Pink
Petchoa SuperCal® Snowberry White	Petchoa SuperCal® Premium Pearl White
Petchoa SuperCal® Terracotta	Petchoa SuperCal® Premium Cinnamon
Petchoa SuperCal® Garden Magic Mix	Petchoa SuperCal® Garden Magic Mix Improved
Petunia ColorBlitz™ Amethyst	Petunia SureShot™ Dark Blue
Petunia ColorBlitz™ Blue	Petunia SureShot™ Dark Blue
Petunia ColorBlitz™ Blue Stardust	Petunia SureShot™ Blueberries & Cream
Petunia ColorBlitz™ Ocean Blue	Petunia SureShot™ Dark Blue
Petunia ColorBlitz™ Purple	Petunia SureShot™ Magenta
Petunia ColorBlitz™ Red	Petunia SureShot™ Dark Red
Petunia ColorBlitz™ Rose Stardust	Petunia SureShot™ Blue Vein
Petunia ColorBlitz™ Snowy White	Petunia SureShot™ White
Petunia ColorBlitz™ Yellow	Petunia Bee's Knees
Petunia Lime Light	No Replacement
Petunia PinStripe	Petunia Phantom
Torenia Summer Wave Large Silver	No Replacement

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