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BaliFloraPlant.®



NEW FunFusions Heatwave in Havana
includes Lucky™ Pot Of Gold Lantana, Blue Brilliance Scaevola and RíoGrande™ Orange Purslane.



NEW PassionFruit Lantana
Spectacular tropical colors – true trailing habit for hanging baskets!
Page 105

Find inspiration in **NEW FunFusions™ combos!**
Page 26



Growing Better Together

Mike Klopmeier
President



Leland Toering
Sales Manager



You can depend on Ball FloraPlant® because our driving focus is on **reliable supply, consistent quality** and expertly timed products to make sure you have all you need for a successful growing season.

For 2024, our assortment has expanded with the addition of innovative products like NEW PassionFruit Lantana, with spectacular, heat-loving blooms and **a true trailing habit** that's perfect for hanging baskets.

NEW FunFusions™ offer inspiration for creating even more combo solutions that will work well for your **region and season**.

We've added 4 varieties to our SureShot™ Petunia line with **super-uniform flowering time** and habits. These exciting colors, like our newest novelty, Raspberry Cheesecake, are ideal for patio pots and hanging baskets.

Our unrooted cutting geranium farm, YecaFlora, is up and running in Yecapixtla, Mexico, working to provide you with the same **exceptional supply** and **consistent delivery** that you have come to expect from us. The farm offers excellent conditions for high-quality geranium production along with climate-controlled truck shipments to the border.

Your business is important to us. We look forward to growing better together in 2024.



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ON THE COVER:
NEW PassionFruit Lantana

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)

Amazing, blazing appeal

NEW PassionFruit Lantana

Bright bloom clusters bring a kaleidoscope of color to hanging baskets.



NEW



PAGE 105

NEW



PAGE 123

NEW



PAGE 20

NEW

NEW SureShot™ Pink Vein Petunia

Distinctive novelty pattern lights up mono or mixed sun containers.

NEW MixMasters™ Worth a Shot

A pleasing mix of NEW SureShot™ Pink Vein Petunia and SureShot™ White Petunia.

for 2024

NEW Cha-Cha™ Diva Lavender Calibrachoa

Vigorous series gets a unique light purple color-shifting variety.



PAGE 49

NEW

NEW Volcanica™ Collection Solar Flare Coleus

Brings a new pattern, new leaf shape and striking colors to the high-vigor coleus collection.



PAGE 59

NEW



PAGE 128

NEW



PAGE 25

NEW

NEW SlingShot™ Collection Burgundy Bliss Petunia

This group of novelty-patterned petunias puts the pizzazz in patio pots!

NEW MixMasters™ All That Glimmers

A perfectly balanced mix of Glimmer™ Appleblossom, Burgundy and Hot Pink Double Impatiens shines in pots and hanging baskets.

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

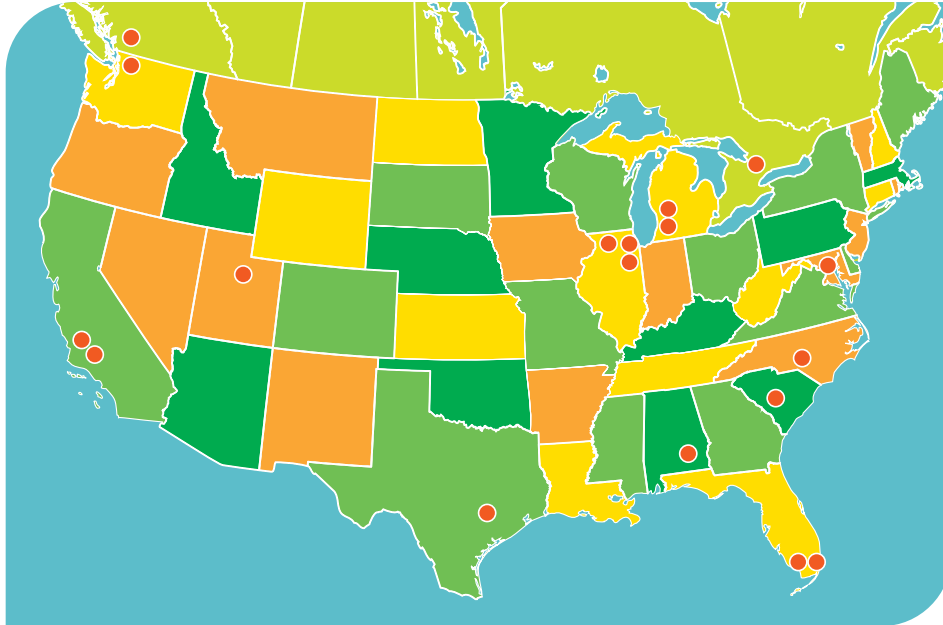
Massy Sanaei
Product Launch
and Assortment
Manager

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 with 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, NC

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

TAKE A VIRTUAL GARDEN TOUR

Want to walk through the Gardens at Ball from anywhere in the world?

Check out this virtual tour that lets you revisit the gardens from the Summer of 2022!



Unrooted Supply

All you need, direct to you.

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.



YEC AFLORA GERANIUM FARM

Our newest geranium farm near the town of Yecapixtla, Mexico, 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 2024!**

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.

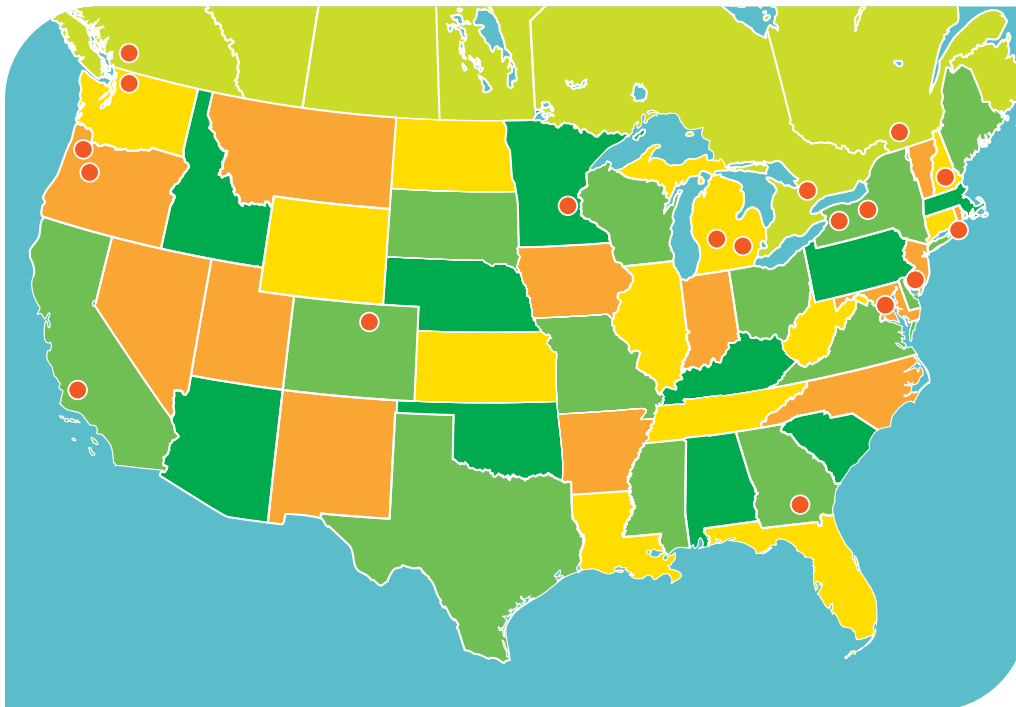


Rooted Supply

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. Benefits include:

- Accurate inventory
- Timely order confirmations and shipment tracking
- Priority service on shortages and substitutions
- **99% of our liner orders filled on time**
- Over 90% of Ball Seed® liner orders 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



MixMasters™



Combining perfectly mastered colors and greater genetic diversity

MixMasters are rigorously tested combinations sold as an unrooted cutting kit and meant to be rooted together as multi-stick liners* in the same week. These recipes are perfectly balanced from start to finish. Each is trialed for national performance, even flower timing and similar vigor.

*Single stick, multi-species liners. US7,891,134; US8,136,294; US8,220,201

SUN COMBOS (Multi-Species – Multiliners)

10	10	10	10	11
11	11	11	12	12
12	12	13	13	13
13	14	14	14	14
15	15	15	15	

COMPACT SUN COMBOS

Multi-Species – Multiliners		Mono-Species – Multiliners		
21	21	21	21	21

SUN & SHADE COMBOS

25	25	25	25
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SHADE COMBOS

25	25
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Trialed. Tested. Approved.



Becky Lacy
Product Manager

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

Guidelines for our MixMasters 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 (Mono-Species – Multiliners)



NEW

NEW Bee's Glee



NEW

NEW Before You Know It



Cherry Plum Tart



Diva La Vida



NEW

NEW Fruit Cocktail Improved



17

Laguna Beach



17

Oh Beehave!



NEW

NEW Oh For Sure



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Panorama



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Powers That Bee



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Rush Hour



NEW

NEW Serendipity



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Spirits United



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Spring Showers



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Sprinkles On Top



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Sundance



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Sweet Melody



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Tart Deco



20

Tea Party



NEW

NEW Touch Of Sugar



20

Tropicali



NEW

NEW Worth a Shot

HEAT-LOVING COMBOS



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Berrytones



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Bloom Of Allegiance



NEW

NEW Good Company



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Gold Plated



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Hot Spell



NEW

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NEW Just My Luck



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Lucky Charm



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Patriotic Heart



NEW

NEW Porch Patriot Improved



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Retro Summer



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Shindig



Becky's Tips

Look for expert growing tips for these combinations from Becky Lacy, our MixMasters Product Manager.

SUN COMBOS

Multi-Species – Multiliners

A Grape Fit! ☀️

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

Bejeweled ☀️

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

NEW Berry Basket Improved ☀️

Cabaret® White Calibrachoa
CannonBall™ Burgundy Petunia

NEW Burgundy Wink Improved Verbena

Biden My Time ☀️

Bee Happy™ Red Bidens
Cabaret® Yellow Calibrachoa
Firehouse™ Red Verbena



Take care when applying PGRs. Bidens Bee Happy has more sensitivity to PGRs than the other components.



A Grape Fit!



Bejeweled



NEW Berry Basket Improved



Biden My Time

SUN COMBOS

Multi-Species – Multiliners



Big Flirt

Big Flirt ☀️

ColorRush™ Blue Petunia
EnduraScape™ Pink Bicolor Verbena
SuperCal® Pink Petchoa

Bloomin' Glory ☀️

Cabaret® Midnight Blue Calibrachoa
CannonBall™ Red Petunia
Firehouse™ White Verbena

Color Magic ☀️

Cabaret® Yellow Calibrachoa
Early Springs™ Dark Blue Lobelia
Firehouse™ Red Verbena

Eye Caramba ☀️

Cabaret® White Calibrachoa
Bluerific Petunia
Violet Wink Verbena



Bloomin' Glory



Color Magic



Eye Caramba



Fashionista



Gimme Some Sugar

SUN COMBOS

Multi-Species – Multiliners

Fashionista ☀️

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

Gimme Some Sugar ☀️

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

Great Escape ☀️

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

 Follow PGR Best Practices
 for desired Diva coloring.

Heartland ☀️

CannonBall™ White Petunia
 Firehouse™ Red Verbena
 Early Springs™ Blue Lobelia



Great Escape



Heartland



I Heart Pink



Jazzberry Jam



Kiss Me Good Night



Mambo

SUN COMBOS

Multi-Species – Multiliners

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 ☀️

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

Mambo ☀️

Cabaret® Orange Calibrachoa
CannonBall™ Pink Petunia
Sun Drop Bidens

SUN COMBOS

Multi-Species – Multiliners

NEW Over the Top Improved

Cabaret® Yellow Calibrachoa

CannonBall™ Blue Petunia

NEW Burgundy Wink Improved Verbena

Paradise Sunrise ☀️

Cha-Cha™ Yellow Calibrachoa

Firehouse™ White Verbena

Pinkceptional Petunia

Peach of My Heart ☀️

Cabaret® Deep Yellow Calibrachoa

SunPatiens® Compact Orange Impatiens

EnduraScape™ Blue Verbena



This mix contains Impatiens, which performs best when left unpinched. See PGR culture for Impatiens to get best results.

NEW Piece of Cake

Cabaret® Strawberry Parfait Calibrachoa

Vogue™ Pink Double Petunia

Firehouse™ White Verbena



NEW Over the Top Improved



Paradise Sunrise



Peach of My Heart



NEW Piece of Cake



Rosé Everyday



Santa Fe Sunset



Shoot the Breeze



Sunnyside

SUN COMBOS

Multi-Species – Multiliners

Rosé Everyday ☀

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

Santa Fe Sunset ☀

Sun Drop Bidens
Cabaret® Orange Calibrachoa
Firehouse™ Purple Verbena

Shoot the Breeze ☀

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

Sunnyside ☀

Bee's Knees Petunia
Cabaret® Yellow Calibrachoa
Firehouse™ White Verbena

SUN COMBOS

Mono-Species – Multiliners

NEW Bee's Glee ☀️

Bee's Knees Petunia

NEW SureShot™

Raspberry Cheesecake Petunia

NEW Before You Know It ☀️

CannonBall™ Coral Petunia

CannonBall™ Pink Petunia

CannonBall™ Yellow Petunia

Cherry Plum Tart ☀️

Cabaret® Bright Red Calibrachoa

Cabaret® Deep Blue Calibrachoa

Cabaret® Hot Pink Calibrachoa

Diva La Vida ☀️

Cha-Cha™ Deep Blue Calibrachoa

Cha-Cha™ Diva Hot Pink Calibrachoa



Follow PGR Best Practices for desired Diva coloring.



NEW Bee's Glee



NEW Before You Know It



Cherry Plum Tart



Diva La Vida



NEW Fruit Cocktail Improved



Laguna Beach



Oh Beehave!



NEW Oh For Sure

SUN COMBOS

Mono-Species – Multilinera

NEW Fruit Cocktail Improved ☀️

Cabaret® Neon Rose Calibrachoa
 Cabaret® Orange Calibrachoa
 Cabaret® Yellow Calibrachoa

Laguna Beach ☀️

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

Oh Beehave! ☀️

Bee's Knees Petunia
 Jewel Collection Midnight Gold Petunia

NEW Oh For Sure ☀️

SureShot™ Dark Blue Petunia
NEW SureShot™ Hot Pink Petunia
 SureShot™ White Petunia

SUN COMBOS

Mono-Species – Mult liners

Panorama

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

Powers That Bee

Bumble Bee™ Blue Calibrachoa
Bumble Bee™ Hot Pink Calibrachoa

Rush Hour

ColorRush™ Pink Petunia
ColorRush™ Pink Vein Petunia

NEW Serendipity

Cabaret® Bright White Calibrachoa
Cabaret® Neon Rose Calibrachoa
Cabaret® Strawberry Parfait Calibrachoa



Panorama



Powers That Bee



Rush Hour



NEW Serendipity

SUN COMBOS

Mono-Species – Multiliners



Spirits United

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

Sundance ☀

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

Sweet Melody ☀

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



Spring Showers



Sprinkles On Top



Sundance



Sweet Melody



Tart Deco



Tea Party



Touch Of Sugar

SUN COMBOS

Mono-Species – Multicolors

Tart Deco ☀️

ColorRush™ Blue Petunia
ColorRush™ Pink Petunia

Tea Party ☀️

Cabaret® Lemon Yellow Calibrachoa
Cabaret® Pink Star Calibrachoa

Touch Of Sugar ☀️

ColorRush™ Pink Petunia
ColorRush™ White Petunia

Tropicali ☀️

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

NEW Worth a Shot ☀️

NEW SureShot™ Pink Vein Petunia
SureShot™ White Petunia



Tropicali



NEW Worth a Shot



Fire Dancer

COMPACT SUN COMBOS

Multi-Species – Multiliners

Fire Dancer ☀️

Conga™ Cherry Calibrachoa
Conga™ Yellow Calibrachoa
MicroBlaze™ Spitfire Coleus



Compact components! For best results and shortest crop time, limit PGRs and do not pinch.



Conga Line



Home Sweet Home

Mono-Species – Multiliners

Conga Line ☀️

Conga™ Red Calibrachoa
Conga™ Yellow Calibrachoa
Conga™ Dark Blue Calibrachoa

Home Sweet Home ☀️

Conga™ Red Calibrachoa
Conga™ White Calibrachoa
Conga™ Dark Blue Calibrachoa

Rainbow Bright ☀️

Conga™ Dark Blue Calibrachoa
Conga™ Rose Calibrachoa
Conga™ Yellow Calibrachoa

Sunshine State ☀️

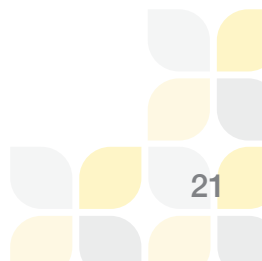
Conga™ Diva Orange Calibrachoa
Conga™ Yellow Calibrachoa



Rainbow Bright



Sunshine State





Berrytones



Bloom Of Allegiance

HEAT-LOVING COMBOS

Berrytones ☀️

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



Contains both upright and spreading Angelonia. It is not necessary to position the upright Archangel Angelonia in the center of the pot, as the components will find balance.

Bloom Of Allegiance ☀️

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

NEW Good Company ☀️

Shamrock™ Butterscotch Glow Lantana
Shamrock™ Red Lantana



NEW Good Company

HEAT-LOVING COMBOS



Gold Plated



Hot Spell

Gold Plated ☀️

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



Angelonia Archangel is an upright thriller component. For best results, rotate the Angelonia component to the center of the pot.

Hot Spell ☀️

Archangel™ Dark Rose Angelonia
 Honeybells Cuphea
 Landmark™ Gold Lantana



It is not necessary to position Archangel upright Angelonia in the center of the pot, as the components will find balance. For southern growers, consider substituting Lantana component for Lucky Pot Of Gold.



NEW Just My Luck

NEW Just My Luck ☀️

Shamrock™ Butterscotch Glow Lantana
 NEW Shamrock™ Orange Flame Improved Lantana
 Shamrock™ Peach Lantana

Lucky Charm ☀️

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



Lucky Charm

HEAT-LOVING COMBOS

Patriotic Heart

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



Contains both upright and spreading Angelonia. It is not necessary to position the upright Archangel Angelonia in the center of the pot, as the components will find balance.

NEW **Porch Patriot Improved**

Archangel™ Raspberry Angelonia
NEW **Lucky™ Yellow Lantana Improved**
Blue Brilliance Scaevola

Retro Summer

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



Contains trailing components. Ensure enough pot spacing is given to allow enough room for the plants to grow down.

Shindig

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



Patriotic Heart



NEW Porch Patriot Improved



Retro Summer



Shindig

SUN & SHADE COMBOS



5 Alarm Chili



Amped Up

5 Alarm Chili ☀️ ●

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

Amped Up ☀️ ●

Trusty Rusty Coleus
 Vino Coleus
 Wasabi Coleus



Use proper spacing to accommodate for higher vigor components.

Fire & Spice ☀️ ●

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

The Whole Enchilada ☀️ ●

FlameThrower™ Habanero Coleus
 FlameThrower™ Salsa Verde Coleus



Fire & Spice



The Whole Enchilada

SHADE COMBOS

NEW All that Glimmers 🌙 ●

Glimmer™ Appleblossom Double Impatiens
 Glimmer™ Burgundy Double Impatiens
 Glimmer™ Hot Pink Double Impatiens

Glimmerazzi 🌙 ●

Glimmer™ Bright Red Double Impatiens
 Glimmer™ White Double Impatiens



NEW All that Glimmers



Glimmerazzi



FunFusions™

Now you've got another chance to **get creative** with our exciting new line of **FunFusions™** Combos!

They're a delightful opportunity to **create solutions** for a wider variety of crops, seasons, weather conditions and space constraints.



Pastels in Paris

AngelMist® Coral Angelonia
Lucky™ Pink Lantana
Blue Brilliance Scaevola

Feel inspired with



Trailblazing in Toronto

Bee's Knees Petunia
Firehouse™ Burgundy Verbena
TrailBlazer™ Road Trip Coleus



Brilliant in Berkeley

Archangel™ White Angelonia Improved
Shamrock™ Orange Flame Lantana
Blue Brilliance Scaevola





Radiant in Río Grande
 AngelMist® Spreading Dark Purple Angelonia
 Lucky™ Sunrise Rose Lantana
 RíoGrande™ Yellow Purslane



Sizzling in Sydney
 Archangel™ White Angelonia
 Blue Brilliance Scaevola
 Cherrybells Cuphea

FunFusions are **carefully selected** and trialed to **grow well together** and perform well for the consumer. Simply **order the components** separately as liners or cuttings, and then **plant them** following our detailed “plantograms” on the FunFusions web page.

New FunFusions™



Heatwave in Havana
 Lucky™ Pot Of Gold Lantana
 Blue Brilliance Scaevola
 RíoGrande™ Yellow Purslane

Scan the code below to explore a broad selection of combination ideas based on exposure, seasonality, timing and color. Then, create your own **masterpiece mixes!**



Find your inspiration here



ANGELONIA

AngelDance™

SEASON
EXTENDER



Watch the Angels Dance!

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 that “dance” in the wind.



Fuchsia Bicolor



Violet Bicolor and Fuchsia Bicolor



Violet Bicolor



Kirsten Buche
Breeder

“AngelDance Series was selected for its gorgeous bicolor flowers, slightly increased upright vigor and uniform timing, which combine for an eye-catching display. It works well in containers and mixes, as well as in the landscape. The series has tall, wispy, colorful branches that provide additional height and bring a flowy, cottage feel to any garden. Our angelonia series are bred to enhance the desired habit with large blooms and sturdy stems, and they are trialed in containers and in-ground to ensure the best all-around performance. The AngelDance Series is a heat-loving season extender, like Archangel and AngelMist, and it makes a fantastic addition to the beautiful flower assortment available from Ball FloraPlant.”



AngelMist™ Spreading

Super-spreading display in baskets and landscapes



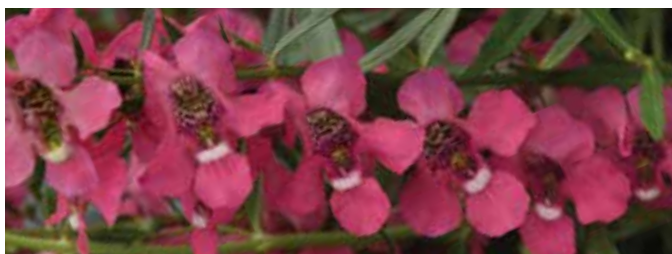
White



Bluebird



Berry Sparkler



Pink



Dark Purple

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.

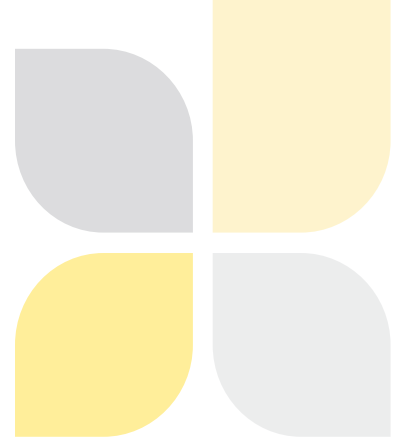
AngelMist Spreading makes an excellent heat-tolerant combo component. Try mixing it with Lucky™ Lantana.



Dark Purple

ANGELONIA

Archangel™



Heat-loving flowers with the biggest blooms

MixMasters Berrytones
(Cherry Red, Raspberry
and AngelMist Spreading
Dark Purple Angelonia)



NEW FunFusions Sweet in Singapore
(Purple mixed with Shamrock Orange Flame
Lantana, Sugarbells Cuphea)



NEW Ruby Sangria



White



ANGELONIA

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 Ruby Sangria: The only dark red available on the market!



NEW Ruby Sangria



White



Pink



Coral



Cherry Red



Dark Rose



Raspberry



Blue Bicolor



Purple



Dark Purple

ANGELONIA



Angelissa White Angelonia



Angelissa Rose Angelonia



Angelissa Purple Angelonia



'Red Threads' Alternanthera



Radiant Magenta Brachyscome



Fresco Purple Brachyscome



Brasco Violet Brachyscome

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.

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.

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.



Pink Shine



Blue

BACOPA

MegaCopa™

Blockbuster blooms power through the heat

MegaCopa has big blooms and a trailing habit that keeps up with other components for great combos.



White



MixMasters Rosé Everyday
(White, Cabaret Pink Calibrachoa,
CannonBall Pink Petunia)



Blue



BallFloraPlant.



NEW Pink Improved



NEW Plum



NEW Lavender



White



Blue

BACOPA 
Sutera cordata

MegaCopa™

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

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

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

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

NEW Lavender: Better branching and flower power than the competition in a popular light purple color.

NEW Pink Improved: Better branching and hides the spent flowers better with a new flush of blooms.

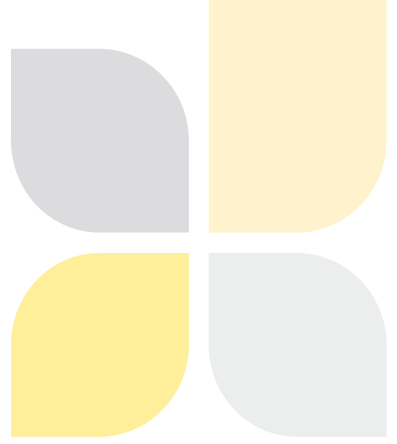
NEW Plum: An exciting purple color addition for the series.



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

Bee Alive

Livens up small pots and baskets



BIDENS 
Bidens ferulifolia



NEW Bee Alive Double Orange

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

The first double orange bidens on the market! Warm, vibrant colors and tones on double flowers make this a great addition to any Fall program.



NEW Bee Alive Improved

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. Flowers attract pollinators, like bees and butterflies. Improved for a more saturated red color and more longer-lasting blooms.



NEW Bee Alive Improved

NEW

Bee Happy™ & Bee Bold

Fills larger pots with gorgeous color



Bee Happy Red

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 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 Bold



Bee Happy Orange



Bee Happy Red

Sun Drop & Sunbeam

Gorgeous color fills large and small pots

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 Compact Double Yellow



Sun Drop Compact



Sun Drop Double Yellow



Sun Drop



Sun Drop

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

Top-selling bidens has large flowers into the Summer months.

Features a deep yellow color.

Works well in mixed baskets and patio containers.

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



Sunbeam

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

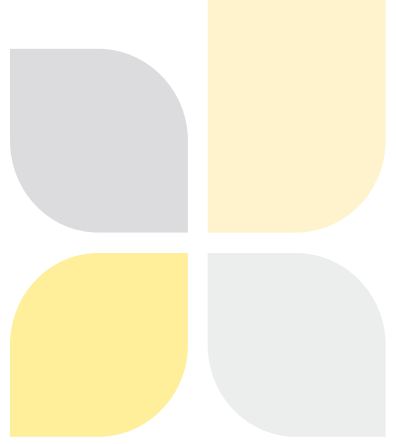
High vigor, early-season color and cool growing options make Sunbeam a must-have for large basket and combination programs.



Sunbeam

BRACTEANTHA

Dreamtime®



Impressive displays make for early-season sales

Jumbo Yellow



BRACTEANTHA

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.



White



Yellow



Jumbo Rose



Jumbo Red



Jumbo Rose

CALIBRACHOA

Bumble Bee™ Collection

Stand-out color all abuzz in baskets and combos



Hot Pink



CALIBRACHOA

MixMasters Powers That Bee
(Blue, Hot Pink)

Mix
MASTERS™



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

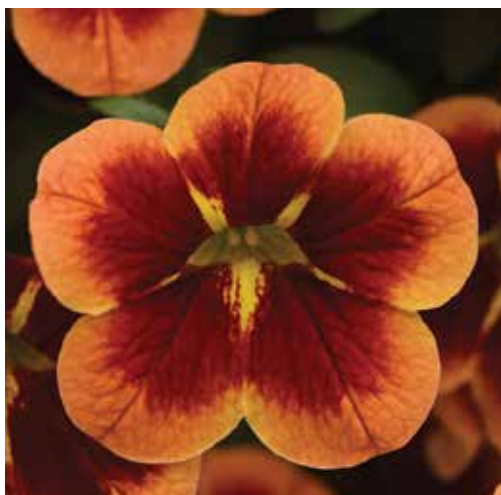
Height: 6 to 12 in. (15 to 30 cm)
Spread: 12 to 24 in. (30 to 61 cm)

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.



Orange



Pink



Hot Pink



Blue



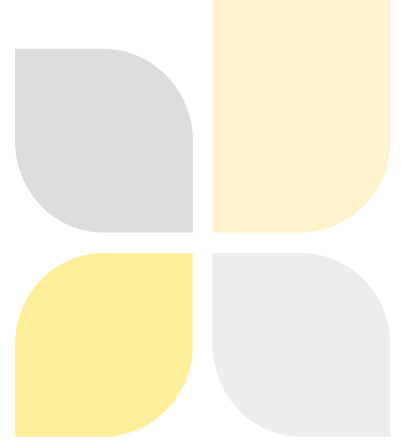
See how to make starred calibrachoa the centerpiece of any combo!

CALIBRACHOA

Conga™



Easy growing for compact color bowls



Calibrachoa Positioning



Conga



Cabaret



Cha-Cha

MixMasters Home Sweet Home
(Red, White, Dark Blue)



CALIBRACHOA

 Early Flowering Time



White 



Yellow 




Diva Orange 



Orange Kiss 




Pink Kiss 




Pink Star 



Rose 




Cherry 




Red 




Lavender 



Purple Star 



Dark Blue 

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.

MixMasters Rainbow Bright
(Dark Blue, Rose & Yellow)

Mix
MASTERS™



CALIBRACHOA

Cabaret®



Outstanding color with early flowering

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.



Good Night Kiss 

MixMasters Sweet Melody
(Light Pink, Neon Rose, Midnight Blue)

Mix
MASTERS™



Keep Cabaret at the core of your combos and you shall never be contrite. This is the superior choice in calibrachoa series.



BallFloraPlant.

CALIBRACHOA

 Early Flowering Time



Bright White 



White



Lemon Yellow 



Yellow 




Deep Yellow




Diva Orange 



Orange 




Strawberry Parfait 



Light Pink 



Light Pink Kiss 



Pink 



Pink Star 




Diva Pink 




Hot Pink



Hot Rose 



Neon Rose 




Bright Red



Red 




Lavender 



Purple



Midnight Kiss 




Sky Blue 



Deep Blue



Midnight Blue 

CALIBRACHOA

Cha-Cha™



A uniform series with outstanding, novelty colors



Check out Cha-Cha!

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.

Cha-Cha varieties 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 calibrachoa have a good, mounded habit that mixes well with others. Just check out MixMasters Diva La Vida with its spectacular blend of colors, including a novelty from the series!

Red Kiss



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

Mix
MASTERS™



CALIBRACHOA

Early Flowering Time



NEW Diva Lavender



Frosty Lemon



Yellow



Tangerine



Diva Apricot



Orange



Diva Hot Pink



Fuchsia



Red



Red Kiss



Lavender



Deep Blue



Tangerine



Yellow



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



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

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 three color-shifting types!

NEW Diva Lavender: A new purple color-shifting addition to the series.

CELOSIA

Floriosa

High shine color for containers

CELOSIA 
Celosia argentea

Ball  Ingenuity.

Powered by Ball FloraPlant®

Floriosa

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!



Yellow



Red



Purple

Twisted

Touchable texture for potted plants and gardens



Dark Orange

CELOSIA 
Celosia cristata

Ball **Ingenuity**™

Powered by Ball FloraPlant®

Twisted

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.



Yellow



Strawberry



Purple

CELOSIA

Intenz™

Perfect performance indoors or in the garden

CELOSIA 
Celosia spicata

Ball  Ingenuity™

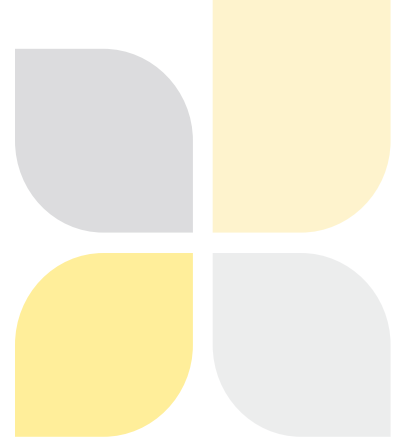
Powered by Ball FloraPlant®

Intenz™

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.



NEW Lavender Dreams

Painless to produce and ship

NEW Lavender Dreams

NEW

CLEOME 
Cleome

NEW Lavender Dreams

Height: 20 to 32 in. (51 to 81 cm)

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

Compact cleome is 30% smaller than the leading vegetative variety, so it won't take over in the garden.

It has soft thorns instead of the sharp, wood thorns usually found on cleome, making it easier to handle and ship.

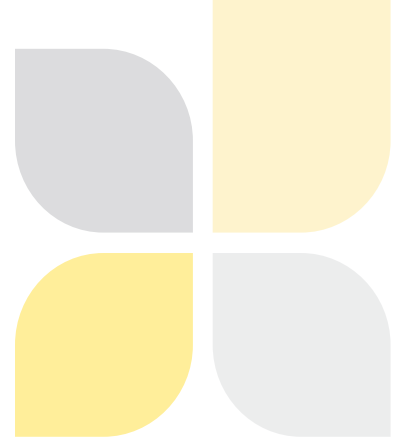
The heat and drought-tolerant cleome lasts until first frost.

An excellent addition to any pollinator program; butterflies, bees and hummingbirds love it!



Coleus

Colossal color and eye-popping patterns



Coleus Positioning



**MicroBlaze™
Collection**
Matchsticks
Spitfire



**Ignite™
Collection**
Copperhead
Heartbreaker
Ruby Slipper
Special Effects



**ChargedUp™
Collection**
Campfire
Coleosaurus
Dragon Heart
Electric Lime
Henna
Indian Summer
Inferno
Vulcan



**FlameThrower™
Series**



**TrailBlazer™
Collection**



**Volcanica™
Collection**
NEW French
Quarter Improved
NEW Solar Flare
Limewire
Redhead
Trusty Rusty
Vino
Wasabi

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.



Redhead and Wasabi



MicroBlaze™ Collection

Fiery foliage perfect for small pots and decorative containers

Matchsticks



MicroBlaze™ Collection

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

Low-maintenance, high-impact plants are perfect for small pots and decorative container mixes.

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.

Spitfire



MicroBlaze coleus
in action!

COLEUS

Ignite™ Collection



Spark consumer interest with flaming color in sun and shade

COLEUS

Solenostemon scutellarioides

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.

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 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.



Copperhead



Heartbreaker



Ruby Slipper



Special Effects



ChargedUp™ Collection

Charge landscapes with electrifying colors and patterns



Campfire



Coleosaurus



Dragon Heart



Electric Lime

COLEUS ☀️ ●

Solenostemon scutellarioides

Campfire

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

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

Coleosaurus

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

Features better branching and more saturated color with a distinct pattern.

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.

TOP
SELLER

COLEUS

CHARGEDUP COLLECTION continued

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.



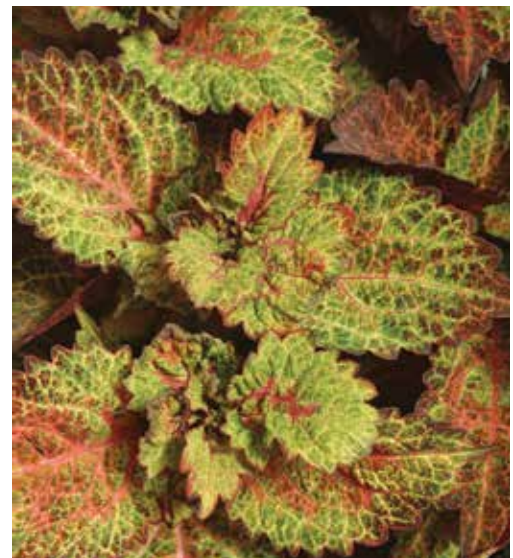
Henna



Limewire



Inferno



Indian Summer



Vulcan



Volcanica™ Collection

High vigor with intense colors and blazing patterns



NEW French Quarter Improved



NEW Solar Flare



Redhead



Trusty Rusty



Vino



Wasabi

COLEUS  
Solenostemon scutellarioides

NEW French Quarter Improved

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

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

Provides brighter colors and better branching than original French Quarter.

NEW Solar Flare

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

Brings a new pattern, new leaf shape and bright colors for sun and shade.

Redhead

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

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

Trusty Rusty

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

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

Vino

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

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

Wasabi

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

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

TrailBlazer™ Collection



Intense colors blaze through the shade in baskets and combos

COLEUS ☀️ ●

Solenostemon scutellarioides

TrailBlazer™ Collection

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

Trailing coleus with vibrant colors that can be grown in the shade.

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

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



Glory Road



Road Trip

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.

COLEUS ☀️ ●

Solenostemon hybrida

Burgundy Wedding Train

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

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

Lava Rose

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

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

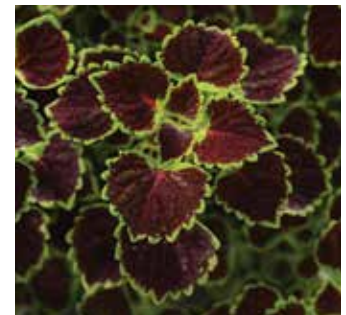
Ruby Punch

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

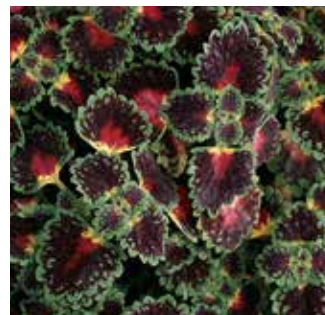
Unique, multicolored, fine-foilage coleus is sure to excite consumers and retailers. Compact habit allows for small pot production for growers and mixed container use for consumers.



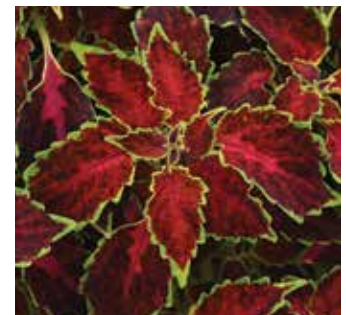
Florida Sun Rose



Burgundy Wedding Train



Lava Rose



Ruby Punch

FlameThrower™

Create sparks in small pots and mixes



COLEUS



Cajun Spice



Chili Pepper



Chipotle



Habanero



Salsa Roja



Salsa Verde



Serrano



Spiced Curry



Siracha

COLEUS
Solenostemon scutellarioides

FlameThrower™

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

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

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

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

CUPHEA

CUPHEA

Cuphea hyssopifolia

'Allyson Heather'

Height: 8 to 12 in. (20 to 30 cm)
Spread: 16 to 18 in. (41 to 46 cm)

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

CUPHEA

Cuphea purpurea

'Firecracker'

Height: 10 to 14 in. (25 to 36 cm)
Spread: 20 to 24 in. (51 to 61 cm)

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

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.



'Allyson Heather'



'Firecracker'

Honeybells

The original pollinator-pleasing plant from the collection.

A 2019 University of Georgia Plants of Distinction award winner.

'Cherrybells'

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

'Sugarbells'

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



Honeybells



'Cherrybells'



'Sugarbells'



White



Pink

DIASCIA 🌞🌙
Diascia barberae



Juliet™

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

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

Super-uniform across all varieties for habit and timing.

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

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



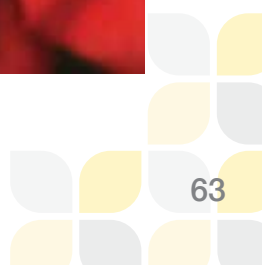
Orange



Rose



Red



EVOLVULUS

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.

EXACUM ● ●
Exacum affine

Ball **Ingenuity**

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.



'Blue Daze' Evolvulus



Jupiter White Exacum



Jupiter Blue Exacum

Jupiter Blue and White Exacum





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.

NEW Flurry

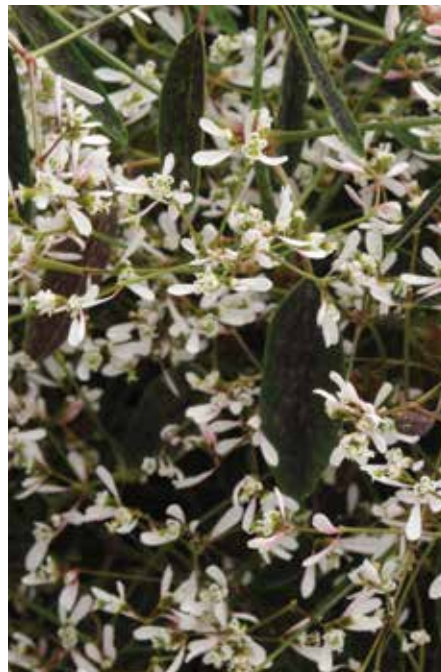
Height: 10 to 15 in. (25 to 38 cm)
Spread: 24 to 28 in. (61 to 71 cm)

Double-flowered euphorbia has lots of flowers that make it look like a snowball.
 Compact habit.
 Perfect for use as a component plant in mixes.

Breathless Blush & White



Breathless White

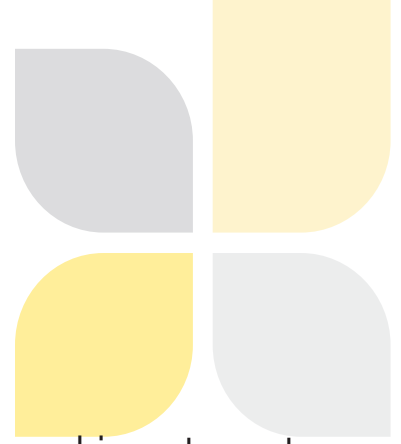


Breathless Blush



NEW Flurry

Direct-Stick Callused Cutting



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



Genesis callused cuttings in production. (L)

Fantasia® Geraniums produced from Genesis callused cuttings. (R)



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. 67 proves the time savings.

LESS SHRINK

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

REDUCED INPUT COST

It can be direct-stuck in cold frames and minimal heat environments.

BETTER BRANCHING AND MORE FLOWERS

Direct-sticking allows for maximum light penetration, leading to more branches, and therefore more color on the plant.

NO PROPAGATION REQUIRED

We found in our trials that, with night temperatures of 55°F (13°C) or above, you can direct-stick Genesis cuttings.

Retail-ready plants 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.

Available as Genesis Callused Cuttings

Bracteantha pg. 40
 Geraniumpg. 68-79
 Osteospermum.....pg. 115-117
 Scaevola..... pg. 133

Genesis™ Cuttings



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



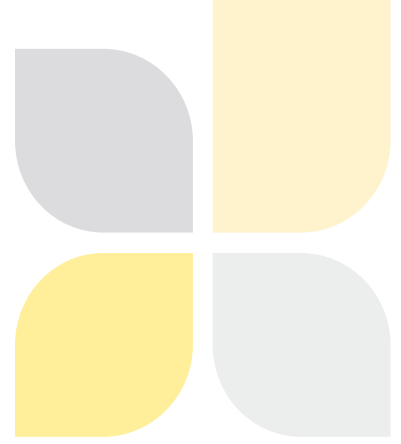
at 14 weeks



Genesis Production Fantasia® Geraniums

ZONAL GERANIUM

Presto™



Naturally compact and dark-leaved

Geranium Positioning



Presto



Fantasia
Dynamo



Galaxy

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.

Dark Red



ZONAL GERANIUM



TOP SELLER

White



Pink Sizzle



TOP SELLER

Pink



Pink+Eye



Salmon



TOP SELLER

Orange



Rose Flare



Deep Scarlet



Deep Scarlet



Brilliant Red



TOP SELLER

Dark Red



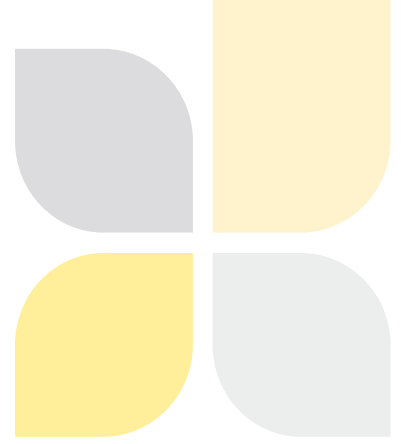
TOP SELLER

Violet

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Brilliant Red	mid	dark	compact
Dark Red	mid	dark	compact
Deep Scarlet	mid	dark	compact
Orange	mid	dark	compact
Pink	mid	dark	compact
Pink+Eye	mid	dark	compact
Pink Sizzle	mid	dark	compact
Rose Flare	mid	dark	compact
Salmon	mid	dark	compact
Violet	mid	dark	compact
White	mid	dark	compact

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.

NEW Lavender Sizzle: Features a lighter pink/lavender bloom with a well-defined center splash of color.

Also available as Genesis direct-stick callused cuttings.



NEW Lavender Sizzle



 White



Appleblossom



Purple Sizzle

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.

ZONAL GERANIUM

Uniform Timing & Habit



Pink



Shocking Pink



Strawberry Sizzle



Flamingo Rose



Salmon



Orange



Fuchsia Berry



Cranberry Sizzle



Scarlet



Cardinal Red



Dark Red



Violet



Purple Sizzle



Shocking Blue

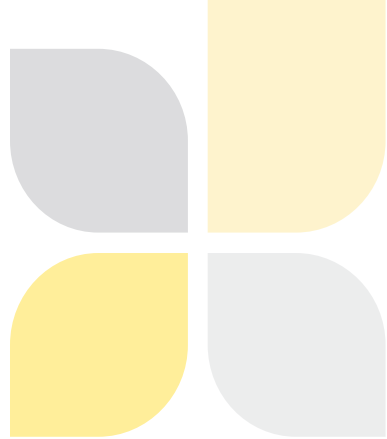
VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Appleblossom	mid	dark	medium
Cardinal Red	mid	dark	medium
Cranberry Sizzle	mid	dark	medium
Dark Red	mid	dark	medium
Flamingo Rose	early	dark	medium
Fuchsia Berry	mid	dark	medium
NEW Lavender Sizzle	mid	dark	medium
Orange	mid	dark	medium
Pink	mid	dark	medium
Purple 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

ZONAL GERANIUM

Dynamo™



Powerhouse of color uniformity



Salmon



ZONAL GERANIUM

Uniform Timing & Habit



TOP SELLER

White



Light Pink



Pink Flare



TOP SELLER

Hot Pink



Salmon



Dark Salmon



TOP SELLER

Orange



Scarlet



Red



TOP SELLER

Dark Red



TOP SELLER

Violet



Purple

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.

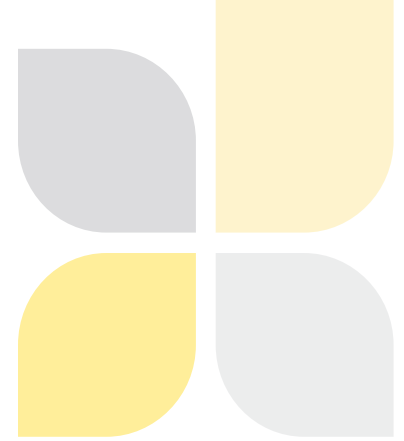
It has big, bright flowers and crisp, medium green leaves.

The ultimate geranium for garden beds and large containers.

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
Purple	mid	green	medium
Red	early	green-zoning	medium-vigorous
Salmon	mid	green-zoning	medium
Scarlet	mid	green	medium
Violet	mid	green-zoning	medium
White	mid	green-zoning	medium

ZONAL GERANIUM

Galaxy™



Big impact in landscapes and large planters



**Sarah
Hernandez
Swofford**
Product Manager

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

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 Dark Red Improved: Offers a darker red color and the flower resists shattering.

NEW Raspberry Sizzle: Features large, striking maroon-red blooms.

Violet



ZONAL GERANIUM



NEW

NEW Dark Red Improved



NEW

NEW Raspberry Sizzle



TOP SELLER

White



Pink



TOP SELLER

Watermelon



Salmon



NEW Dark Red Improved



TOP SELLER

Orange



TOP SELLER

Red



Violet



Purple

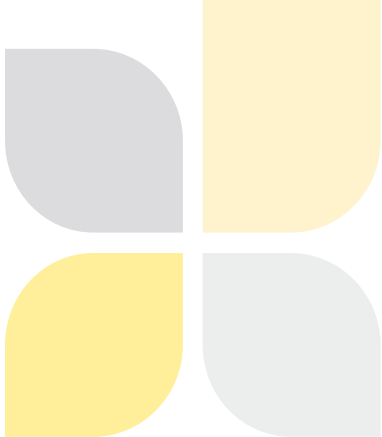
VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
NEW Dark Red Improved	mid	green	vigorous
Orange	mid	green-zoning	vigorous
Pink	mid	green-zoning	vigorous
Purple	mid	green	vigorous
NEW Raspberry Sizzle	mid	green-zoning	vigorous
Red	mid	green-zoning	vigorous
Salmon	mid	green-zoning	vigorous
Violet	mid	green-zoning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

IVY GERANIUM

Focus™



Compact and dark-leaved for dramatic baskets



Red Ice





White



Rose

TOP SELLER



Red Ice

TOP SELLER



Red

TOP SELLER



Burgundy

TOP SELLER



Shocking Blue

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.

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

IVY GERANIUM

Precision™



Early flowering, exact uniformity — precisely in demand



Dark Burgundy



IVY GERANIUM



TOP
SELLER

White Red Eye



TOP
SELLER

Pink



Pink Flamingo



Rose



Dark Salmon



Red Ice



TOP
SELLER

Red



Ruby



Burgundy Ice



Burgundy



Dark Burgundy



TOP
SELLER

Lavender Blue

IVY GERANIUM ☀️
Pelargonium x peltatum

Precision™

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

Medium vigor, green leaf.

Specially selected for early flowering and excellent uniformity.

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

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

Also available as Genesis direct-stick callused cuttings.

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 Haageana

BaliIngenuity™

Powered by Ball FloraPlant®

Piñata

Height: 14 to 16 in. (36 to 41 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-leaved plant is useful as an accent in containers and baskets.

HELIOTROPE 🌙
Heliotropium arborescens

'Marine'

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

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

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



Pink Shades



Peach Prism



Cosmic Orange



Cosmic Burgundy

EXOTIC IMPATIENS *Impatiens walleriana*

Patchwork™

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

Nothing else has these unique novelty patterns and colors!

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

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

DOUBLE IMPATIENS

Glimmer™

IMPATIENS



Mix
MASTERS™

MixMasters Glimmerazzi (Glimmer Bright Red & White Double Impatiens)

DOUBLE IMPATIENS



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 that these impatiens will continue to thrive and survive.

Finding color components for the shade can be challenging. Look no further than Glimmer Impatiens! Try mixing it with a low-vigor ipomoea or torenia.



Salmon



White



Appleblossom



Hot Pink



Salmon



Bright Red



Dark Red



Burgundy

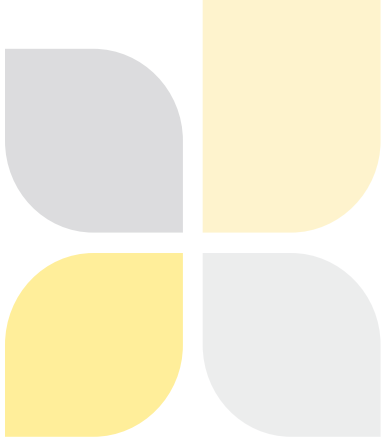


Scan to hear about Glimmer's disease resistance!

DOUBLE IMPATIENS

Fiesta™

Big and bold double blooms for the shade



Stardust Pink



DOUBLE IMPATIENS

Uniform Timing & Habit



Stardust Pink



Sparkler Hot Pink

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 Cherry



Stardust Purple



Mixed container featuring Pink Ruffle



Pink Ruffle

INTERSPECIFIC IMPATIENS

SunPatiens® Compact

Outstanding flower power for containers

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.

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

NEW Pink Beryl Mix: Lavender Splash, Lilac and Rose Glow.

Best Friends Mix: Classic White, Rose Glow and Lilac.

Forever Summer Mix: Coral Pink, 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.



NEW Red Candy



Classic White



Blush Pink



Orchid Blush

INTERSPECIFIC IMPATIENS



Hot Pink



Coral Pink



Hot Coral



Orange



Electric Orange



Deep Rose



Tropical Rose



Rose Glow



Red



Deep Red



Lavender Splash



Orchid Blush



Lilac



Purple Candy



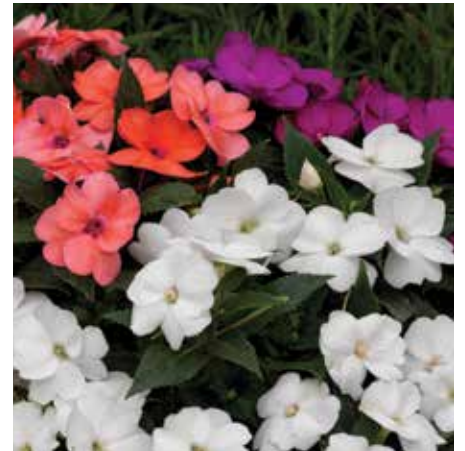
Purple



NEW Pink Beryl Mix



Best Friends Mix



Forever Summer Mix



Happy Days Mix



Hawaiian Sunset Mix



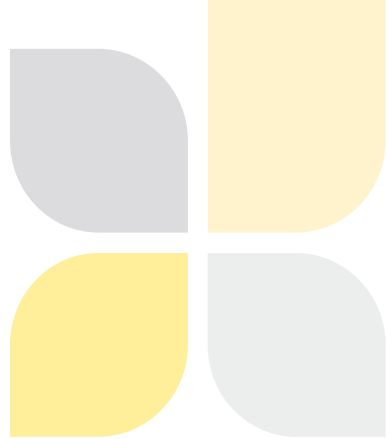
Summer Salsa Mix

NEW GUINEA IMPATIENS

Clockwork™



A compact star in small pots and mixed containers



Orange, Purple & Orange Stripe



NEW GUINEA IMPATIENS



White




Appleblossom



Orange Stripe

NEW GUINEA IMPATIENS

 *Impatiens hawkeri*

Clockwork™

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

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

Ideal for quart and gallon containers, and hanging baskets.



Orange



Pink Star



Hot Pink Glow



Rose



Cherry Strike



Red



Lavender



Purple



Series

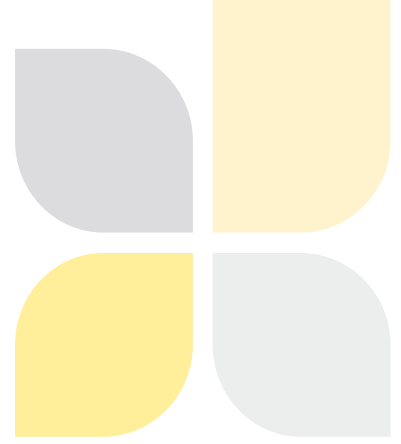


Mixed container featuring Red

NEW GUINEA IMPATIENS

Celebration

Loads of color for bigger pots and baskets



Mixed container featuring Rose Star



Mixed container featuring White

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.

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



White



Pink



Rose Star



Electric Rose



Apricot



Tropical Peach



Bright Salmon



Orange



Deep Red



Lavender Glow



Purple Star



Icy Blue



Icy Blue



Purple Star

IPOMOEA

Spotlight™

A compact star in small pots and mixed containers

Ideal combo
choice for southern
growers.



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.

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

Mixed container
featuring Red



Mixed container
featuring Lime





Lime



Red



Black



Lime Heart



Red Heart



Black Heart

IPOMOEA

SolarPower™



Medium habit, plus energy and color for containers and landscapes

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.



Ideal mix component for northern growers.



Mixed container featuring Lime Heart



Mixed container featuring Black



Mixed container featuring Red



Lime



Red



Black



Lime Heart



Red Heart



Black Heart

IPOMOEA

SolarTower™

First-ever self-climbing ipomoea

SEASON
EXTENDER

Add some height in premium combo planters with SolarTower. It also mixes well with thunbergia to color a trellis.



Black and 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.



Lime



Black



Mixed container featuring Lime



Mixed container featuring Black

LANTANA

Little Lucky™



Perfect for pot-tight production

Lantana Positioning



Little Lucky



Lucky Shamrock



PassionFruit



Bloomify



Landmark

Mixed container featuring Hot Pink





Pot Of Gold

LANTANA ☀️
Lantana camara

Little Lucky™

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

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

Up to 3 weeks earlier than other compact lantanas.

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

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

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



White



Peach Glow



Orange



Red



Lavender



Hot Pink

LANTANA

Lucky™



Easy to use in mixes due to its V-shaped habit. The open habit combines well with other components.



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.

Flame



LANTANA

Uniform Timing & Habit



NEW Yellow Improved



White



Lavender

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 Yellow Improved: Offers a more mounding, spreading habit.



Pink



Pot Of Gold



Sunrise Rose



Flame



Red



Mixed container featuring Pot Of Gold



NEW FunFusions Radiant in Río Grande
(Sunrise Rose, AngelMist Spreading Dark Purple Angelonia, RíoGrande Yellow Purslane)

LANTANA

Shamrock™



Check out our Lantana habits

Works like a charm in hanging baskets



Maria Bolinger

Territory Manager

Southeast & 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 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 spray, as well as Florel spray at 300-400 ppm, Bonzi spray at 20-40 ppm and Sumagic spray at 10-20 ppm.

NEW MixMasters Good Company
(Butterscotch Glow, Red)

NEW





NEW Rose Gold



NEW Orange Flame Improved



NEW Red



White



Butterscotch Glow



Rose



Peach

LANTANA ☀️
Lantana camara

Shamrock™

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

This new 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.

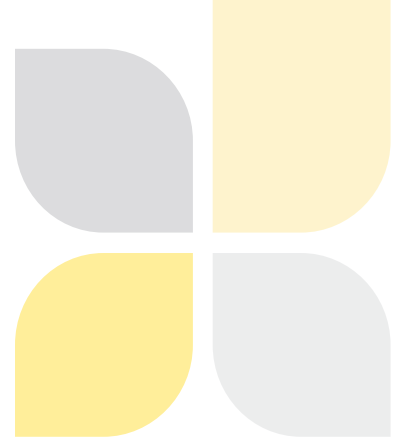
NEW Orange Flame Improved: Features a darker orange flower color.

NEW Red: Features a more vivid red color than the competition.

NEW Rose Gold: Offers a lighter rose flower color and larger gold center than competing varieties.

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 expands with new color options.

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.


NEW Pink Improved: Improved for a darker pink flower color. Offers verified plant sterility.

NEW White: Verified plant sterility means it won't stop producing pretty white blooms all season long.




Red

Seed Set



Bloomify Red bursts with continuous flowers and color



Competitive red has slowed-down flowering and shows seed pods



NEW Pink Improved



NEW White



Orange



Mango



Rose



Red

LANTANA

SEASON
EXTENDER

MEDIUM
TRAINING

Passion Fruit

LANTANA

NEW

Trails like no other!

LANTANA ☀️
Lantana camara

NEW Passion Fruit

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

Trailing, "spreading" lantana has abundant flowers and dark green foliage.

Perfect habit for hanging baskets.

Multicolor flowers are ideal for monicolor containers.

Never cycles out of flower!



perfect for hanging basket



long-lasting blooms



heat loving



pollinator friendly



LANTANA

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.

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. Faster pot fill and better branching than Purple Trailing with heat and drought tolerance. They provide a colorful addition to containers, hanging baskets and borders.



SunDance Red



SunDance White



SunDance Pink



SunDance Yellow



'New Gold'



'Purple Falls'

Landmark™



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



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.

Sunrise Rose



White



Yellow



Gold



Citrus



Rose Glow



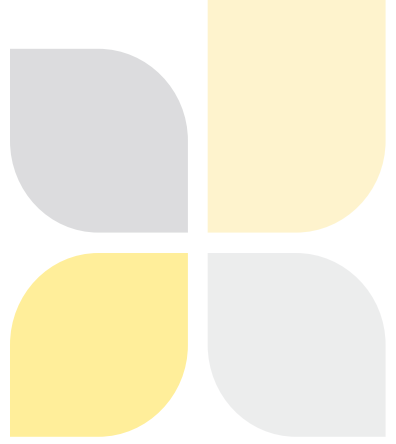
Sunrise Rose



Red

LOBELIA

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 Lavender: New addition is heat tolerant and stays in flower 2 weeks longer than the competition.

NEW Sky Blue: The addition of this core color expands the series to match the competition. It is also heat tolerant and its flowers last 2 weeks longer than competitors.



NEW Lavender



NEW Sky Blue



White



Pink



Magenta



Blue



Dark Blue

Waterfall™

Cascading color in baskets and combos

NEW Dark Blue

NEW

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 fills pots fast.

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.

NEW Dark Blue:

A core color expands the series.



White Blush

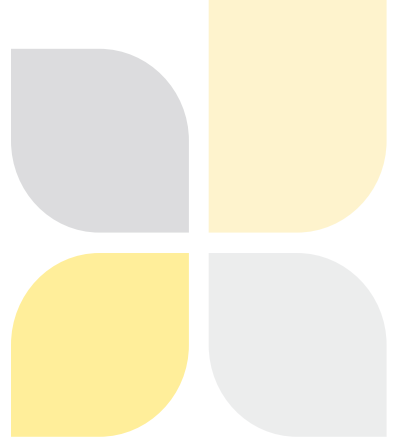


Purple

LOBULARIA

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.



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



White



Pink



Purple

LYSIMACHIA



'Jade Frost' Lamiastrum



'Goldilocks' Lysimachia



'White Nancy' Lamium



'Beacon Silver' Lamium

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.

'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.

Diamantina™ Collection

Sun and heat-loving varieties

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 varieties are earlier to bloom, with better branching and blooming capacity than the competition.

Ball Ingenuity™

Powered by Ball FloraPlant®

Tourmaline Pink Mandevilla and
Opal Merlot Dipladenia



MANDEVILLA vs. DIPLADENIA

Mandevilla

- Large, textured leaves
- Larger blooms
- More vigorous habit

Dipladenia

- Part of the mandevilla family
- Small, waxy leaves
- More compact habit

DIPLADENIA/MANDEVILLA

COMPACT BUSH

Flower Size: Medium
Support Needed: No
PGR Needed: No

Jade Dipladenia



Jade White Dipladenia



Jade Pink Dipladenia



Jade Red Dipladenia

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.

MEDIUM BUSH

Flower Size: Large
Support Needed: No
PGR Needed: No

Tourmaline Mandevilla



Tourmaline Pink Mandevilla



Tourmaline Fuchsia Mandevilla

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!

MEDIUM VINING

Flower Size: Large
Support Needed: Yes
PGR Needed: No

Opal Dipladenia



Opal Pink Dipladenia



Opal Red Dipladenia



Opal Merlot Dipladenia

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.

Coral

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!

LARGE VINING

Flower Size: Large
Support Needed: Yes
PGR Needed: No

Agate Mandevilla



Agate XXL White Mandevilla



Agate XXL White Mandevilla

MANDEVILLA ☀️
Mandevilla x hybrida

Agate XXL

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.



Coral Orange Sunrise Dipladenia

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.

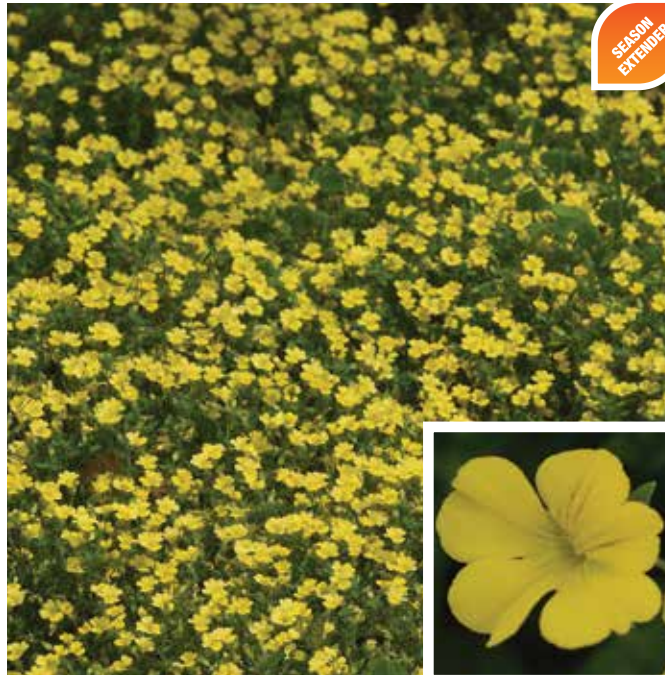
Powered by Ball FloraPlant®

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



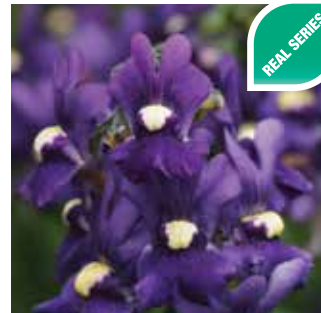
Aromatica White Nemesia



Aromatica White Nemesia



Aromatica Rose Pink Nemesia



Aromatica Royal Blue Nemesia



SunGlow Purple Bicolor Nemesia



SunGlow Yellow Bicolor Nemesia



SunGlow Yellow Bicolor Nemesia

Voltage™



Electrifying color for Summer gardens



Gold

OSTEOSPERMUM ☀️
Osteospermum ecklonis

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.



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



Blushing Beauty



'Sunshine Beauty'

Serenity™



Magical colors and uniformity



NEW White Improved



NEW Electric Rose

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.

NEW Electric Rose:

New addition to the series branches very well and brings more bright color for Spring.

NEW White Improved: Shows better branching, a stronger plant and better flower power.



Deep Yellow

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.



Lavender Frost



Pink Magic



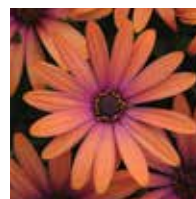
Pink



Rose Magic



Coral Magic



Bronze



Deep Purple



Red

PETUNIA

Bee's Knees™



The BEST yellow petunia!



Scan to see how Bee's Knees makes buzzworthy combos.

Petunia Positioning



CannonBall



Bee's Knees
SureShot



ColorRush

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.*



MixMasters Oh Beehave!
(with Midnight Gold Petunia)

Mix
MASTERS™



BallFloraPlant.

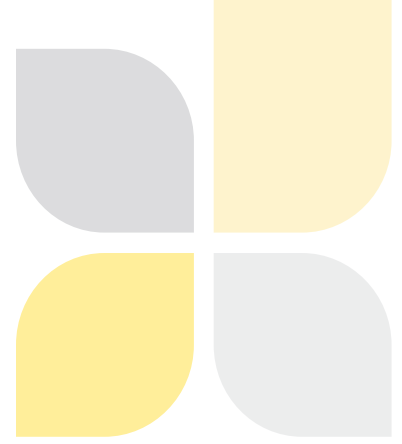


FunFusions Trailblazing in Toronto
(Bee's Knees Petunia,
Firehouse Burgundy Verbena,
TrailBlazer Road Trip Coleus)




PETUNIA

CannonBall™



Early and compact, ready for Spring sales

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.

The series is early to flower, and all colors finish within a week of each other.

Plants feature good branching and don't require pinch or PGRs.



**Tanya
Carvalho**

Territory Manager Canada

"I am so excited about our 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

MixMasters Rosé Everyday
(Pink, MegaCopa White Bacopa,
Cabaret Pink Calibrachoa)



MixMasters Jazzberry Jam
(Burgundy, Cabaret White Calibrachoa,
Firehouse Purple Verbena)



White



Yellow



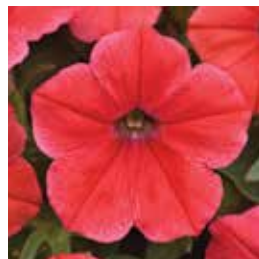
Rose Vein



Pink



Burgundy



Coral



Red



Burgundy Star



Blue

MixMasters Heartland
(White, Early Springs Blue Lobelia,
Firehouse Red Verbena)



SURESHOT™

Petunia

Truly dependable, truly uniform.



Sell in Spring combos with a basket habit. Cha-Cha Calibrachoa is a perfect match-up.



Blueberries & Cream

**SIMILAR
FLOWER
SIZES**

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

**SHARE
THE SAME
UNIFORM
HABIT**

**WELL-
BRANCHED
TO ENSURE
GROWER
SUCCESS**



NEW Hot Pink



NEW Pink Vein



NEW Raspberry Cheesecake



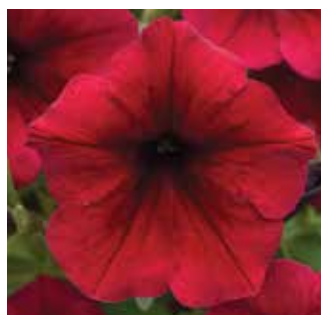
NEW Red



White



Magenta



Dark Red



Blue Vein



Dark Blue



Blueberries & Cream

PETUNIA

Petunia x hybrida

SureShot™

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

This series has been bred to rigorous standards for 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 Hot Pink: A core color addition to the series, it has a nice, saturated hot pink color, great branching and lots of blooms.

NEW Pink Vein: This new novelty pattern completes the color and pattern selection for the series. Amazing in mono-color baskets and containers, or mix it with other sun-loving varieties.

NEW Raspberry Cheesecake: A novel new color addition to the series.

NEW Red: A core color addition to the series.



Rebecca Tashiro

Breeder

"The SureShot Series was developed with growers in mind. I chose varieties that had a well-branching, mounding habit to fill containers quickly and make packing and shipping of finished product easier. All of the varieties finish within 7 days of each other to help growers hit their target finish date. I made sure that solid colors were the foundation of the series, with novelty colors and patterns continuously added to the series for excitement. Even better, the traits that make this series work for growers transfers on to the consumers for excellent season-long performance. The SureShot Series really is a sure shot!"

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.





NEW Blueberries & Cream



White



Yellow



Pink Vein



Pink Star



Pink



Purple



Watermelon Red



Red



Merlot Star



Blue

PETUNIA 
Petunia x hybrida

ColorRush™

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

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

Notable for big vigor and 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.

Masses of blooms 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 Blueberries & Cream: A novel new pattern for the series; very stable in high light. Offers great landscape performance.

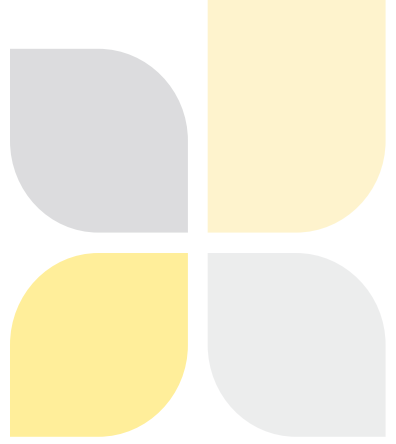
WEEK IN FLOWER

VARIETY	FLORIDA	ARROYO GRANDE	WEST CHICAGO
Blue	5	7	14
NEW Blueberries & Cream	3	6	13
Merlot Star	3	6	13
Pink	5	6	13
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



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!



White

Lemon Berry



Pink



Lavender Vein



Red



Blue

Jewel Collection

A treasure trove of double petunias



NEW Frosted Sapphire

PETUNIA 🌞
Petunia hybrida

Jewel Collection

Hidden gems

The Jewel Collection features a group of bold double petunia blooms that have light edges in picotee patterns. Worth every penny!

NEW Frosted Sapphire

Height: 6 to 8 in. (15 to 20 cm)
Spread: 16 to 22 in. (41 to 56 cm)

Beautiful blue and white picotee pattern makes this double petunia a great component for hanging baskets, containers and mixes.

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!



Midnight Gold



Pink Diamond

Slingshot™ Collection

The coolest novelty blooms for baskets and containers



NEW Burgundy Bliss

PETUNIA ☀️
Petunia hybrida

Slingshot Collection

Improve your aim
with Slingshot™

Take your best shot with the Slingshot Collection of the coolest novelty petunias gathered in one convenient place.

NEW Burgundy Bliss

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

Features a striking burgundy pattern.

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.



Phantom

NEW Lemonberry

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

Offers an eye-catching burgundy and yellow pattern.

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.



Black Magic



NEW Lemonberry



'Bluerific'



'Pinkceptional'



Cascadias Indian Summer



Rhythm And Blues

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.

'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.

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.

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 mounded, refined growth.

NEW Red Maple Large, scarlet-red flowers are vibrant and provide “wow” factor at retail.

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.

Citrus Mix: Contains Pearl White, Sunset Orange and Yellow Sun.

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



NEW Red Maple



Pearl White



French Vanilla



Yellow Sun



Sunset Orange



Cinnamon



Sunray Pink



Purple Dawn



Bordeaux



Autumn Spice Mix



Citrus Mix

SuperCal™
 The Perfect Petunia

SuperCal®



Light Yellow



Pink



Violet



Artist Rose



Rose



Neon Rose



Royal Red



Cherry



Blue



NEW Patriot Mix



Garden Magic Mix



Gumball Mix



Summer Sensation Mix

PETCHOHA 
Petunia x Calibrachoa hybrid

SuperCal®

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

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

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

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

Excellent heat tolerance and weather recovery.

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 Patriot Mix: Contains Blue, Royal Red and SuperCal Premium Pearl White.

Garden Magic Mix: Contains Blue, Light Yellow and Royal Red.

Gumball Mix: Contains Light Yellow, Rose and Royal Red petchoa.

Summer Sensation Mix: Contains Blue, Light Yellow and Pink.

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

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.



Mona Lavender Plectranthus



RíoGrande White Purslane



RíoGrande Yellow Purslane

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.



RíoGrande Magenta Purslane



RíoGrande Orange 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 Scarlet Purslane



Bondi White Scaevola



Bondi Blue Scaevola



'Blue Fan' Scaevola



White Sparkle Scaevola



NEW FunFusions Heatwave in Havana
(Lucky Pot Of Gold Lantana,
Blue Brilliance Scaevola,
RioGrande Orange Purslane)



'Blue Brilliance' 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.

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.

Mysty & Mystic Spires

SEASON
EXTENDER

Perfect performance in small pots and combos



Gail Shafer
Breeder

"Mysty is a compact salvia that checks all the boxes for growers and consumers. It is about 25 to 35% less vigorous than Mystic Spires, making it perfect for high-density production and mixed containers. The dark green-leaved plants are naturally compact and well-branched without the use of growth regulators. The sustainability message for this heat-hardy plant continues, as it is very free-flowering from late Spring until frost. The true-blue flowers attract bees, butterflies and hummingbirds all season long. Mystic is ideal for garden borders and 10 to 12-in. (25 to 30-cm) containers."



Mysty



Mystic Spires



Mysty (L) & Mystic Spires (R)

SALVIA 

Salvia longispicata x farinacea

Mysty

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

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

Mystic Spires

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.



NEW Plum Crazy



'Black & Bloom'



'Purple & Bloom'



'White Flame'



NEW Plum Crazy

SALVIA ☀️
Salvia guaranitica

NEW Plum Crazy

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

Displays nice burgundy flowers. Great pollinator plant. Attracts butterflies and hummingbirds.

'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'

'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 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!



Blue Chill

SALVIA ☀️
Salvia longispicata x farinacea

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.



'Roman Red'

SALVIA ☀️ 🌙
Salvia splendens x darcyi

'Roman Red'

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

Has a more compact habit compared to the leading competitor's red, along with medium green foliage. This is the only vibrant red, interspecific salvia on the market! More similar in habit and performance to 'Black & Bloom', with a semi-mounded habit. Offers exceptional landscape performance when compared to *Salvia splendens*.

TECOMA

TECOMA ☀️
Tecoma stans

Ball Ingenuity™

Powered by Ball FloraPlant®

NEW Kalama™

Height: 18 to 24 in. (46 to 61 cm)
Spread: 16 to 18 in. (41 to 46 cm)

Compact tropical color that loves Summer heat! Perfect for smaller containers and spaces.

A Ball Ingenuity Powered by Ball FloraPlant series – URCs from Las Limas!

NEW Blood Orange: Unique orange petals accented with a dark orange center ring.

NEW Papaya: Rich, refreshing orange tones add warmth to any Summer patio.

NEW Pomegranate: Red-orange blossoms with peek-a-boo golden orange centers create a fantastic two-tone display.

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.

NEW Rose Sensation: Brings a nice pink color addition to the series and the market.

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.



NEW Kalama Blood Orange Tecoma



NEW Kalama Papaya Tecoma



NEW Kalama Pomegranate Tecoma



NEW Sunny Rose Sensation Thunbergia



Summer Wave Large Violet Torenia



Summer Wave Large Amethyst Torenia



Summer Wave Large Blue Torenia



Sunny Lemon Star Thunbergia



Sunny Orange Wonder Thunbergia



Sunny Arizona Glow Thunbergia



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.

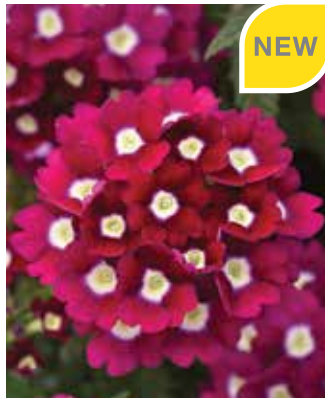
VERBENA ☀️ 🌑
Verbena peruviana

NEW Burgundy Wink Improved & 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.

NEW Burgundy Improved: Offers better branching and a more controlled habit, which makes it easier for use in mixed containers.



NEW

NEW Burgundy Wink Improved Verbena



Violet Wink Verbena

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

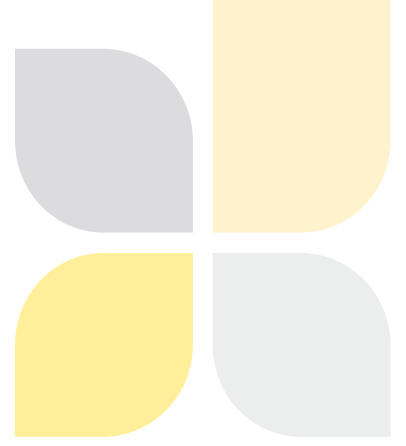
Mix
MASTERS™



VERBENA

Cadet Upright™

Stays in line with an upright habit



Red





NEW Orchid Pink



White

VERBENA 🌞🌙
Verbena peruviana

Cadet Upright™

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

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

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

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

All colors can be treated the same culturally.

Proven superior powdery mildew resistance when compared to the competition.

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

NEW Orchid Pink: A nice, bright color addition to the series.



Pink



Hot Pink Wink



Red



Purple



Lavender Blue

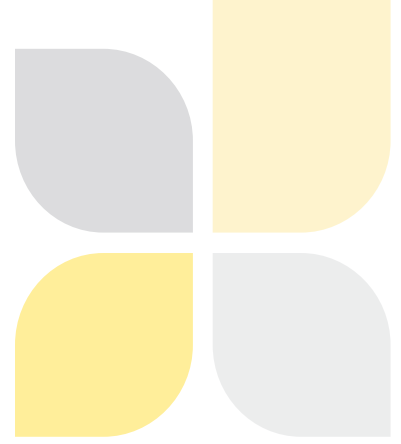


Violet Blue

VERBENA

Firehouse™

Stands tough when the heat rises



NEW FunFusions Trailblazing in Toronto
(Burgundy, Bee's Knees Petunia,
TrailBlazer Road Trip Coleus)

NEW





NEW

NEW Peppermint



TOP SELLER

White



Light Pink

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 verbenas.

Offers a full range of colors.

Same superior garden performance in the heat as EnduraScape™.

Less cycling means more color in the garden for Summer.

Excellent powdery mildew resistance.

NEW Peppermint: Novelty variety with bright red and white colors is perfect for hanging baskets or containers, and it mixes well with other varieties.



Pink



Burgundy



TOP SELLER

Red



Purple Fizz



Blue Fizz



Grape



Lavender



Violet Wink



TOP SELLER

Purple

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

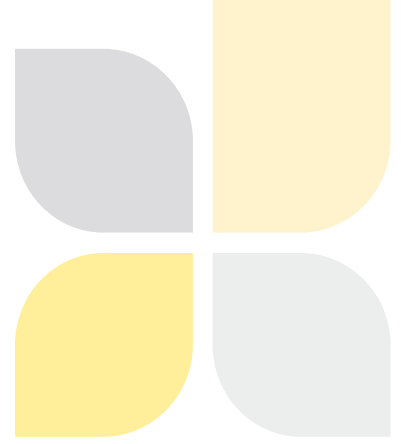
Firehouse starts with good liner productions, and it is recommended to tone liners with B-Nine 2,500 ppm or a very light Bonzi spray of 0.5-1 ppm. An application of Florel at 300 ppm 2 weeks after transplant produces tighter, more toned gallons.

VERBENA

EnduraScape™

Color that won't quit

SEASON
EXTENDER



Blue and White





NEW Purple Fizz



White



Pink Bicolor

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.

NEW Purple Fizz: An exciting bicolor addition to the series with large flower umbels.



Pink Fizz



Magenta



Hot Pink



Red



Burgundy



Blue



Purple



Dark Purple

MixMasters Big Flirt
(Pink Bicolor,
ColorRush Blue Petunia,
SuperCal Pink Petchoa)



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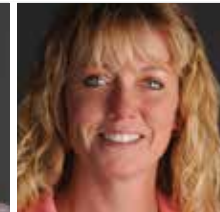
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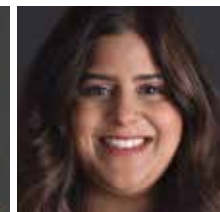
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Product Forms

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



UNROOTED CUTTINGS

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

NOTE: *Minimum order of 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 WITH MIST	PINCH	AVERAGE PROPAGATION TIME (WEEKS)	COMMENTS
ALTERNANTHERA	50, 72, 84, 104, 209	No	6-8	Yes	3-4	Stick cuttings immediately upon arrival to avoid breakdown.
ANGELONIA	50, 72, 84, 105	No	7-9	Yes	3-4	Avoid stretch. Pinch 18-21 days after sticking.
BACOPA	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.
CLEOME		Yes	10			
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, 102	No	5-6	none	4	Use of a fungicide at stick is suggested within 24 hours. Lighting for 12-hour days is suggested in propagation.
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	5-8	No	3	Avoid saturated media. 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.
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).

Propagation Guide

CROP	TRAY SIZE(S) (CELLS/TRAY)	ROOTING HORMONE	AVERAGE DAYS WITH MIST	PINCH	AVERAGE PROPAGATION TIME (WEEKS)	COMMENTS
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)	72-102	Yes	12-18	Yes	4-5	1 pinch in propagation, 1 in finish stage
MANDEVILLA (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.
TECOMA	72, 84, 105	Yes		Optional	6-8	Using a 14-4-14 or 15-5-15 fertilizer will help reduce stretch at the liner phase. Preventative fungicide applications are recommended.
THUNBERGIA	50, 72, 84, 105	Yes	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	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	NEW Bee Alive Double Orange, NEW Bee Alive Improved	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (12-16°C)	175-225	1-3
BIDENS	Bee Bold, Bee Happy™	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (12-16°C)	175-225	1-2
BIDENS	Sun Drop, Sun Drop Compact, Sun Drop Compact Double Yellow, Sun Drop Double Yellow, Sunbeam	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (12-16°C)	175-225	1-3
BRACHYSCOME	Brasco™ Violet	5.8-6.2	5,000-9,000	65-73°F (18-23°C)	56-61°F (13-16°C)	175-225	0-1
BRACHYSCOME	Fresco™ Purple	5.8-6.2	5,000-9,000	65-75°F (18-24°C)	58-65°F (14-18°C)	125-200	0-1
BRACHYSCOME	Radiant Magenta	5.8-6.2	5,000-9,000	65-76°F (18-24°C)	62-67°F (17-19°C)	200-225	0-1
BRACTEANTHA	Dreamtime®	5.8-6.2	5,000-8,000	65-76°F (18-24°C)	56-61°F (13-16°C)	175-225	0-1
CALIBRACHOA	Bumble Bee™ Blue, Bumble Bee™ 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	Floriosa	5.5-6.5	1,000-2,500	75-80°F (24-27°C)	62-65°F (17-18°C)	100-175	1
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

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	
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	

* ppp=plants per pot

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

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
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	
CLEOME	Lavender Dreams	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)			
COLEUS	Burgundy Wedding Train, Florida Sun Rose, Lava Rose	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-2	
COLEUS	Campfire, Coleosaurus, Dragon Heart, Electric Lime®, NEW French Quarter Improved, Heartbreaker, Henna, Indian Summer, Inferno, Limewire, Redhead, NEW Solar Flare, 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	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	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	Cherrybells, Honeybells, 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	
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	

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, 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, 6-7 weeks	1 ppp, 8-10 weeks	1-3 ppp, 6-10 weeks				
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.
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.

* ppp=plants per pot

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

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
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, Opal	5.5-6.0	5,000-7,000	70-75°F (21-24°C)	60-65°F (16-18°C)	190-210	2	
EUPHORBIA	Breathless®, NEW Flurry	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	none	
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	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	
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	

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 5-7 weeks	1-2 ppp, 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 (during early Spring), spider mites (during very dry weather)	Fusarium, Pythium	
1 ppp, 16-18 weeks	1 ppp, 20-22 weeks	2 ppp, 20-22 weeks	None	Aphids (during early Spring), spider mites (during 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 is 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 – to not 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.
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.

* ppp=plants per pot

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

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
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)	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	
IRESENE	Blazin' Lime, Blazin' Rose	5.8-6.2	4,000-7,000	71-79°F (22-26°C)	62-67°F (17-19°C)	175-225	1-2	
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	Anne Greenaway, 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	
LANTANA	NEW PassionFruit	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-67°F (17-19°C)	175-225	2	
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	

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 5-7 weeks	1 ppp, 7-9 weeks	3 ppp, 9-12 weeks	B-Nine/Bonzi(S) 1,000 ppm; B-Nine/2 ppm Bonzi (low rate) for Compact series.	Thrips, aphids, mites	Impatiens Necrotic Spot Virus, 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.
1 ppp, 6-7 weeks	1-3 ppp, 7-8 weeks	3-6 ppp, 10-12 weeks		Whitefly, leafminer, aphids		Pinch two weeks after transplant. Plants should be dry between watering. PassionFruit is not a vigorous variety and plants can benefit from a second pinch.
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.

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CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
LOBELIA	Early Springs™	5.8-6.2	5,000-8,000	71-76°F (22-24°C)	56-61°F (13-16°C)	175-225	1-2	
LOBELIA	Waterfall™	5.8-6.2	5,000-8,000	71-76°F (22-24°C)	56-61°F (13-16°C)	175-225	1-2	
LOBULARIA	Easy Breezy™	5.8-6.2	4,000-8,000	65-75°F (18-24°C)	56-61°F (13-16°C)	175-225	1-2	
LYSIMACHIA	Goldilocks	5.8-6.2	4,000-8,000	71-79°F (22-26°C)	59-64°F (15-18°C)	175-225	1-2	
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 (VINE)	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	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	
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	

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 7-9 weeks	1 ppp, 9-11 weeks	4-5 ppp, 10-12 weeks	Generally not needed.	Aphids, thrips	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 (during early Spring), spider mites (during very dry weather)	Bacteria Leaf Spot	
1 ppp, 16-18 weeks	1 ppp, 20-22 weeks	2 ppp, 20-22 weeks	None	Aphids (during early Spring), spider mites (during 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.
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 is high vigor. Artist Rose, Cherry and Neon Rose are medium vigor.

* ppp=plants per pot

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PETUNIA	Bee's 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	Bluerific	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 Burgundy Bliss, 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	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	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	NEW Frosted Sapphire	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300		
PETUNIA	NEW Lemonberry	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (12-16°C)	225-300		
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	Pinkceptional	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	
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	

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 5-7 weeks	1-2 ppp, 6-8 weeks	3-5 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		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	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, 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, 6-8 weeks	1 ppp, 7-9 weeks	3-5 ppp, 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	Botrytis, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp, 5-7 weeks	2-3 ppp, 6-8 weeks	3-5 ppp, 8-11 weeks		Whitefly, aphids, leafminers		
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, leafminer, aphids	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.	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 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.
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.

* ppp=plants per pot

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

Annual Culture Guide

CROP	SERIES/VARIETY	SOIL PH	LIGHT LEVELS (FC)	TEMPERATURE DAY	TEMPERATURE NIGHT	FERTILIZATION (PPM N)	NO. OF PINCHES	
PLECTRANTHUS	Mona Lavender	5.8-6.2	4,000-7,000	74-79°F (23-26°C)	59-64°F (15-18°C)	175-225	0-1	
PLECTRANTHUS	Nico, Nicolleta, Variegata	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	56-61°F (13-16°C)	175-225	1-2	
PURSLANE	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	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	
SALVIA	NEW Plum Crazy	5.4-5.8	6,000-10,000	71-85°F (22-29°C)	59-64°F (15-18°C)	175-225		
SCAEVOLA	Blue Brilliance, Blue Fan, Bondi™, White Sparkle	5.8-6.2	5,000-9,000	74-79°F (23-26°C)	59-64°F (15-18°C)	175-225	1-2	
STROBILANTHES	Persian Shield	5.8-6.2	3,000-6,000	74-79°F (23-26°C)	59-64°F (15-18°C)	175-225	1-3	
TECOMA	NEW Kalama™	5.8-6.2	4,000-6,000	70-75°F (21-24°C)	65-70°F (18-21°C)	200		
THUNBERGIA	Sunny™	5.8-6.2	5,000-10,000	71-85°F (22-29°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	Firehouse™	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	62-64°F (17-18°C)	225-300	1-2	
VERBENA	NEW Burgundy Wink Improved, Violet Wink	5.8-6.2	5,000-8,000	71-79°F (22-26°C)	62-64°F (17-18°C)	225-300	1-2	

4 TO 5-IN. (10 TO 13-CM) POTS	6-IN. (15-CM) POTS, GALLONS	10 TO 12-IN. (25 TO 30-CM) POTS OR BASKETS	PLANT GROWTH REGULATORS (S) SPRAY (D) DRENCH	PESTS	DISEASES	COMMENTS
1 ppp, 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, 8-10 weeks	2-3 ppp, 10-12 weeks		Whitefly, fungus gnats, thrips	Botrytis, Pythium, Rhizoctonia	Pinch two weeks after transplant. Plants should dry between watering. PGR is recommended for regions with high light levels and high temperatures.
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. PGR is recommended for regions with high light levels and high temperatures. 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, 8-10 weeks	1-2 ppm, 10-12 weeks	2-3 ppm, 12-14 weeks	Generally not needed.	Whitefly, spider mites, thrips, aphids	Pythium, Leaf spot	Using fertilizers with low phosphorus during early stages will aid in minimizing stretching. Growth regulators may not be necessary if plants are allowed to dry down moderately before watering.
1 ppp, 6-8 weeks	1-2 ppp, 7-9 weeks	4-5 ppp, 10-12 weeks	Generally not needed.	Mites, whitefly, thrips, aphids	Botrytis	Pinch two weeks after transplant and use a trellis for the plant to climb up. 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 Florel(S) 250-300 ppm to control growth and improve plant habit.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between waterings. Pinch as needed to shape. EnduraScape varieties may require more PGR use under normal conditions.
1 ppp, 5-7 weeks	1-3 ppp, 7-8 weeks	4-5 ppp, 10-13 weeks	Responsive to a B-Nine 2,500-3,500/Cycocel 750-1,000 ppm tank mix(S) and Florel(S) 250-300 ppm to control growth and improve plant habit.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between irrigation. Pinch as needed to shape.
1 ppp, 5-7 weeks	1-3 ppp, 7-8 weeks	4-5 ppp, 10-13 weeks	Responsive to a B-Nine 2,500-3,500 ppm/Cycocel 750-1,000 ppm tank mix(S) and Florel(S) 250-300 ppm to control growth and improve plant habit.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between waterings. Pinch as needed to shape.

* ppp=plants per pot

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

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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; Yecafloa, Mexico; Dummen Orange, Encinitas, CA, U.S.

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Please see opposite page for more information.

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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	'Baladanuch'
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	'Balangsparp'
AngelMist® Spreading Pink	'Balangspini'
AngelMist® Spreading White	'Balangsprn'
Archangel™ Blue Bicolor	'Balarcub'
Archangel™ Cherry Red	'Balarcher'
Archangel™ Coral	'Balarcoral'
Archangel™ Dark Purple	'Balarcle'
Archangel™ Dark Rose	'Balarcrose'
Archangel™ Pink	'Balarcorpin'
Archangel™ Purple	'Balarcpurp'
Archangel™ Raspberry	'Balarcaspim'
Archangel™ Ruby Sangria	'Balarcasang'
Archangel™ White	'Balarcwitim'
BACOPA	
MegaCopa™ Blue	'Balmeocobl'
MegaCopa™ Lavender	'Balmeocolv'
MegaCopa™ Pink Improved	'Balmeocpim24'
MegaCopa™ Plum	'Balmeocoplum'
MegaCopa™ White	'Balmeocowite'
Versa™ Blue	'Balverlu'
Versa™ Pink Shine	'Balverpink'
Versa™ White	'Balmeocoversi'
BIDENS	
Bee Happy™ Orange	'Baleenan'
Bee Happy™ Red	'Baleehedi'
Bee Alive Double Orange	'Balbidador'
Bee Alive Improved	'Balbidbaim'
Bee Bold	'Bee Bold'
Sun Drop	'Balbisundi'
Sun Drop Compact	'Balbisopac'
Sun Drop Compact Double Yellow	'Balbisocodel'
Sun Drop Double Yellow	'Balbisidol'
Sunbeam	'KLEBF07003'

BRACHYSCOME

Brasco™ Violet
Fresco™ Purple
Radiant Magenta

BRACEANTHA

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

CALIBRACHOA

Bumble Bee™ Blue
Bumble Bee™ Hot Pink
Bumble Bee™ Orange
Bumble Bee™ Pink
Cabaret® Bright Red
Cabaret® Bright White
Cabaret® Deep Blue
Cabaret® Deep Yellow
Cabaret® Diva Orange
Cabaret® Diva Pink
Cabaret® Good Night Kiss
Cabaret® Hot Pink
Cabaret® Hot Rose
Cabaret® Lavender
Cabaret® Lemon Yellow
Cabaret® Light Pink
Cabaret® Light Pink Kiss
Cabaret® Midnight Kiss
Cabaret® Midnight Blue
Cabaret® Neon Rose
Cabaret® Orange
Cabaret® Pink
Cabaret® Pink Star
Cabaret® Purple
Cabaret® Red
Cabaret® Sky Blue
Cabaret® Strawberry Parfait
Cabaret® White
Cabaret® Yellow
Cha-Cha™ Deep Blue
Cha-Cha™ Diva Apricot
Cha-Cha™ Diva Hot Pink
Cha-Cha™ Diva Lavender
Cha-Cha™ Frosty Lemon
Cha-Cha™ Fuchsia
Cha-Cha™ Lavender
Cha-Cha™ Orange
Cha-Cha™ Red
Cha-Cha™ Red Kiss
Cha-Cha™ Tangerine
Cha-Cha™ Yellow
Conga™ Cherry
Conga™ Dark Blue
Conga™ Diva Orange
Conga™ Lavender
Conga™ Orange Kiss
Conga™ Pink Kiss
Conga™ Pink Star
Conga™ Purple Star
Conga™ Red
Conga™ Rose
Conga™ White
Conga™ Yellow

'DBRASC9'
'DBRAFRESPU'
'Cherish'

'Bondrepuho'
'Bondre 11100'
'Bondre 1051'
'OHB003790'

'Balcanumli'
'Balumotink'
'Balbumora'
'Balcanumbi'
'Balcabrite'
'Balcabriwi'
'Balcabdebu'
'Balcabdepy'
'Balcabivor'
'Balcabivin'
'Balcabooni'
'Balcabhopi'
'Balcabotro'
'Balcablav632'
'Balcabyleim'
'Balcablinkim'
'Balcablipism'
'Balcablightu'
'Balcabmiss'
'Balcabearno'
'Balcaborim'
'Balcabini490'
'Balcabinstim'
'Balcabpurim'
'Balcabred20'
'Balcabsklu'
'Balcabpar'
'Balcabwhite'
'Balcabel681'
'Balchadeb'
'Balchadap'
'Balchadotin'
'Balchadend'
'Balchafrem'
'Balchaucia'
'Balchalav'
'Balchaora'
'Balchared'
'Balchariss'
'Balchatang'
'Balchaelo'
'Balcongerly'
'Balcongarlu'
'Balcongivor'
'Balcongavim'
'Balcongraniss'
'Balcongrik246'
'Balcongingar'
'Balconginglar'
'Balcongedi'
'Balcongro800'
'Balcongwiit'
'Balcongel536'

'Balcabwhite'
'Balcabel681'
'Balchadeb'
'Balchadap'
'Balchadotin'
'Balchadend'
'Balchafrem'
'Balchaucia'
'Balchalav'
'Balchaora'
'Balchared'
'Balchariss'
'Balchatang'
'Balchaelo'
'Balcongerly'
'Balcongarlu'
'Balcongivor'
'Balcongavim'
'Balcongraniss'
'Balcongrik246'
'Balcongingar'
'Balconginglar'
'Balcongedi'
'Balcongro800'
'Balcongwiit'
'Balcongel536'

CLEOME

Lavender Dreams

'Balcleoleam'

COLEUS

Burgundy Wedding Train
ChargedUp™ Campfire
ChargedUp™ Coleosaurus
ChargedUp™ Dragon Heart
ChargedUp™ Electric Lime®
ChargedUp™ Henna
ChargedUp™ Indian Summer
ChargedUp™ Inferno
ChargedUp™ Vulcan
FlameThrower™ Cajun Spice
FlameThrower™ Chili Pepper
FlameThrower™ Chipotle
FlameThrower™ Habanero
FlameThrower™ Salsa Roja
FlameThrower™ Salsa Verde
FlameThrower™ Serrano
FlameThrower™ Spiced Curry
FlameThrower™ Sriracha
Ignite™ Copperhead
Ignite™ Heartbreaker
Ignite™ Ruby Punch
Ignite™ Ruby Slipper
Ignite™ Special Effects
MicroBlaze™ Matchsticks
MicroBlaze™ Spittfire
Lava Rose
TrailBlazer™ Glory Road
TrailBlazer™ Road Trip
Volcanica™ French Quarter Improved
Volcanica™ Limestone
Volcanica™ Redhead
Volcanica™ Solar Flare
Volcanica™ Trusty Rusty
Volcanica™ Vino
Volcanica™ Wasabi

'Kakegawa CE10'
'UF12-22-1'
'Balsosauri'
'UF17-11-5'
'UF04335'
'Balcenna'
'Balconsu'
'UF13-26-7'
'UF18-62-10'
'UF15-11-3'
'UF08-19-10'
'UF12-82-3'
'UF09-8-37'
'UF15-97-9'
'UF14-24-1'
'UF15-6-28'
'UF12-73-5'
'Balfamsira'
'UF17-52-25'
'UF16-91-25'
'SAKCOL023'
'UF13-42-4'
'UF12-74-3'
'Balmazmick'
'UF17-109-09'
'Kakegawa CE1'
'Baltazlord'
'Baltazrip'
'Balvolffrenq'
'UF17-52-13'
'UF0646'
'UF20-103-6'
'UF06419'
'Balcovino'
'UF0843'

CUPHEA

Cherrybells
Firecracker
Honeybells
Sugarbells

'Cherrybells'
'Firecracker'
'Balhoirel'
'Sugarbells'

DIASCIA

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

'Bajulorim'
'Bajulink'
'Bajuled'
'Bajulose'
'Bajulitim'

EUPHORBIA

Breathless® Blush
Breathless® White
Flurry

'Balbreblus'
'Balbrewite'
'Baleuphflur'

IMPATIENS

SunPatens® Compact Blush Pink
SunPatens® Compact Classic White
SunPatens® Compact Coral Pink
SunPatens® Compact Deep Red
SunPatens® Compact Deep Rose
SunPatens® Compact Electric Orange
SunPatens® Compact Hot Coral
SunPatens® Compact Hot Pink
SunPatens® Compact Lavender Splash
SunPatens® Compact Lilac Improved
SunPatens® Compact Neon Pink
SunPatens® Compact Orange
SunPatens® Compact Orchid Blush
SunPatens® Compact Pink
SunPatens® Compact Purple
SunPatens® Compact Purple Candy
SunPatens® Compact Red
SunPatens® Compact Red Candy
SunPatens® Compact Rose Glow
SunPatens® Compact Summer Salsa
SunPatens® Compact Tropical Rose

'SAKIMP013'
'SAKIMP068'
'SAKIMP042'
'SAKIMP060'
'SAKIMP017'
'SAKIMP025'
'SAKIMP021'
'SAKIMP061'
'SAKIMP069'
'SAKIMP033'
'SAKIMP011'
'SAKIMP054'
'SAKIMP019'
'SAKIMP044'
'SAKIMP071'
'SAKIMP030'
'SAKIMP070'
'SAKIMP059'
'SAKIMP037'

DOUBLE IMPATIENS

Fiesta™ Pink Ruffle
Fiesta™ Sparkler Cherry
Fiesta™ Sparkler Hot Pink
Fiesta™ Stardust Pink
Fiesta™ Stardust Purple
Glimmer™ Appleblossom
Glimmer™ Bright Red
Glimmer™ Burgundy
Glimmer™ Dark Red
Glimmer™ Hot Pink
Glimmer™ Salmon
Glimmer™ White

'Pink Ruffle'
'Balfiespray'
'Balfiesink'
'Balolestop'
'Balfiestarp'
'Balgimmap'
'Balgimbred'
'Balgimbur'
'Balgimdre'
'Balgimotim'
'Balgimsal'
'Balgimite'

EXOTIC IMPATIENS

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

'Balpacurm'
'Balpacorg'
'Balpapesmi'
'Balpapinade'

IPOMOEA

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

'Balsolablum'
'Balsolabart'
'Balsolalimi'
'Balsolalimrt'
'Balsolared'
'Balsolaredar'
'Balsotowac'
'Balsotowlim'
'Balsopotack'
'Balspotbart'
'Balspotime'
'Balspotimart'
'Balspotired'
'Balspottedart'

LANTANA

Bloomify™ Mango
Bloomify™ Orange
Bloomify™ Pink Improved
Bloomify™ Red
Bloomify™ Rose
Bloomify™ White
Landmark™ Citrus
Landmark™ Gold
Landmark™ Red
Landmark™ Rose Glow
Landmark™ Sunrise Rose
Landmark™ Citrus
Landmark™ Yellow
Little Lucky™ Hot Pink
Little Lucky™ Lavender
Little Lucky™ Orange
Little Lucky™ Peach Glow
Little Lucky™ Pot Of Gold
Little Lucky™ Red
Little Lucky™ White
Lucky™ Flame
Lucky™ Lavender
Lucky™ Pink
Lucky™ Pot Of Gold
Lucky™ Red
Lucky™ Sunrise Rose
Lucky™ White
Lucky™ Yellow Improved

'Baloombang'
'Baloombor'
'Baloombokim'
'UF-1013A-2A'
'UF-1011-2'
'Baloombwite'
'Balandcit'
'Balandlim'
'Balandred'
'Balandroglim'
'Balandsunrim'
'Balandwitim'
'Balucyell'
'Flortanapi'
'Balluclav'
'Ballucor'
'Balluceagl'
'Balluceagf'
'Balluceed'
'Ballucowim'
'Ballucraim'
'Balluculav'
'Ballucink'
'Ballucogold'
'Ballucured'
'Balandrise'
'Ballucwhitim'
'Balucyell24'

PassionFruit
Purple Falls
Shamrock™ Butterscotch Glow
Shamrock™ Orange Flame Improved
Shamrock™ Peach
Shamrock™ Red
Shamrock™ Rose
Shamrock™ Rose Gold
Shamrock™ White
SunDance™ Pink
SunDance™ Red
SunDance™ White
SunDance™ Yellow

LOBELIA

Early Springs™ Blue
Early Springs™ Dark Blue
Early Springs™ Lavender
Early Springs™ Magenta
Early Springs™ Pink
Early Springs™ Sky Blue
Early Springs™ White
Waterfall™ Dark 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™ Electric Rose
Serenity™ Lavender Frost
Serenity™ Pink
Serenity™ Pink Magic
Serenity™ Red
Serenity™ Rose Magic
Serenity™ White Improved

PERILLA

Magilla® Purple

PETCHOIA

SuperCal® Artist Rose
SuperCal® Blue
SuperCal® Cherry
SuperCal® Light Yellow
SuperCal® Neon Rose
SuperCal® Pink
SuperCal® Rose
SuperCal® Royal Red
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
Bluerific
CannonBall™ Blue
CannonBall™ Burgundy
CannonBall™ Burgundy Star
CannonBall™ Coral
CannonBall™ Pink
CannonBall™ Red
CannonBall™ Rose Vein
CannonBall™ White
CannonBall™ Yellow
ColorRush™ Blue
ColorRush™ Blueberries & Cream
ColorRush™ Merlot Star
ColorRush™ Pink
ColorRush™ Pink Star
ColorRush™ Pink Vein
ColorRush™ Purple
ColorRush™ Red
ColorRush™ Watermelon Red
ColorRush™ White
ColorRush™ Yellow

'Ballanpaf'
'Purple Falls'
'Balshamochi'
'Balshamofrim'
'Balshameal'
'Balshamred'
'Balshamose'
'Balshamrold'
'Balshamite'
'SAILAN004'
'SAILAN003'
'SAILAN002'
'SAILAN001'

'Balspringlu'
'KLELE12472'
'Balspringlav'
'Balspringma'
'Balspringin'
'Balspringstik'
'Balspringtint'
'Balwatarlu'
'Balwapur'
'Balwawish'

'Balbeezink'
'Balbeezurp'
'Balbeezite'

'SAKMEC002'

'Balaropfi'
'Balaroyble'
'Balarwitim'

'Balostlueye'
'Balostush'
'Sunshine Beauty'
'KLEOE19400'
'Balovwite'
'Balvoylelo'
'Balsersonze'
'Balsersonic'
'Balserdard'
'Balserdelelo'
'Balserticosos'
'Balsertlavosim'
'Balserpinkim'
'Balserpimma'
'Balseroma'
'FLOFROSWH0'

'Balmagpurp'

'SAKPCX010'
'SAKPCX006'
'SAKPCX012'
'SAKPCX017'
'Kakegawa S89'
'SAKPCX031'
'SAKPCX027'
'SAKPCX028'
'SAKPCX011'
'SAKPCX023'
'SAKPCX024'
'SAKPCX021'
'SAKPCX020'
'SAKPCX033'
'SAKPCX030'
'SAKPCX034'
'SAKPCX022'
'SAKPCX032'
'SAKPCX029'

'Balcoobeas'
'Bluerific'
'Balcannlu'
'Balcanmurg'
'Balcannburs'
'Balcanncor'
'Balcannink'
'Balcanned'
'Balcannosv'
'Balcannitte'
'Balcannell'
'Balcushlu'
'Balcushbeam'
'Balcushmesim'
'Balcushink'
'Balcushinar'
'Balcushinein'
'Balcushupur'
'Balcushed'
'Balcushware'
'Balcushite'
'Balcushell'

Jewel Frosted Sapphire
Jewel Midnight Gold
Jewel Pink Diamond
Slingshot™ Black Magic
Slingshot™ Burgundy Bliss
Slingshot™ Cascadias™ Indian Summer
Slingshot™ Lemonberry
Slingshot™ Phantom
Slingshot™ Rhythm And Blues
SureShot™ Blue Vein
SureShot™ Blueberries & Cream
SureShot™ Dark Blue
SureShot™ Dark Red
SureShot™ Hot Pink
SureShot™ Magenta
SureShot™ Pink Vein
SureShot™ Raspberry Cheesecake
SureShot™ Red
SureShot™ White

DOUBLE PETUNIA

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

PLECTRANTHUS

Mona Lavender
Nico
Nicolleta

PURSLANE

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

SALVIA

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

SCAEVOLA

Bondi™ Blue
Bondi™ White
Blue Brilliance
White Sparkle

TECOMA

Kalama™

THUNBERGIA

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

TORENIA

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

VERBENA

Cadet Upright™ Hot Pink Wink
Cadet Upright™ Lavender Blue
Cadet Upright™ Orchid Pink
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™ Purple Fizz
EnduraScape™ Red
EnduraScape™ White
Firehouse™ Blue Fizz
Firehouse™ Burgundy
Firehouse™ Grape
Firehouse™ Lavender
Firehouse™ Light Pink
Firehouse™ Peppermint
Firehouse™ Pink
Firehouse™ Purple
Firehouse™ Purple Fizz
Firehouse™ Red
Firehouse™ Violet Wink
Firehouse™ White
Wink Burgundy Improved
Wink Violet

LICENSED PROPAGATION

A propagation license is a royalty bearing license that must be signed and returned to receive stock plants or take cuttings. A propagation license is only available for Ball FloraPlant Geranium and New Guinea Impatiens varieties. Propagation of these varieties without a license is strictly prohibited.

Contact information to obtain a propagation license:

U.S. Growers:

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

Canada Growers:

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

LICENSED PROPAGATION TERMS

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

LICENSED VARIETIES

Commercial Name	Variety Name
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Commercial Name	Variety Name
Focus™ Burgundy	'TOSTB1521'
Focus™ Red Ice	'Tosforice'
Focus™ Red	'TOSTB1418'
Focus™ Rose	'TOSTB1204'
Focus™ Shocking Blue	'TOSTC1087'
Focus™ White	'TOSTC1015'
Precision™ Burgundy	'Balcolbugi'
Precision™ Burgundy Ice	'Sil Nix Red'
Precision™ Dark Burgundy	'KLEP01042'
Precision™ Dark Salmon	'KLEFP08218'
Precision™ Lavender Blue	'Floppeltlav'
Precision™ Pink	'Tosprelim'
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

Commercial Name	Variety Name
Dynamo™ Dark Red	'Tosdyndredii'
Dynamo™ Dark Salmon	'SIL Gatwig'
Dynamo™ Hot Pink	'ToscaQ488'
Dynamo™ Light Pink	'SIL Gesa'
Dynamo™ Orange	'TOSTC0563'
Dynamo™ Pink Flare	'TOSTB2057'
Dynamo™ Purple	'TOSTE0488'
Dynamo™ Red	'TOSTC0600'
Dynamo™ Salmon	'Tosdynsalim'
Dynamo™ Scarlet	'TOSTD0194'
Dynamo™ Violet	'TOSTE0601'
Dynamo™ White	'Tosdynwitim'
Fantasia® Appleblossom	'Tosfanbloss'
Fantasia® Cardinal Red	'Balfaninmar'
Fantasia® Cranberry Sizzle	'Tosfanrciz'

Fantasia™ Dark Red
Fantasia™ Flamingo Rose
Fantasia™ Fuchsia Berry
Fantasia™ Lavender Sizzle
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 Improved
Galaxy™ Orange
Galaxy™ Pink
Galaxy™ Purple
Galaxy™ Raspberry Sizzle
Galaxy™ Red
Galaxy™ Salmon
Galaxy™ Violet
Galaxy™ Watermelon
Galaxy™ White
Presto™ Brilliant Red
Presto™ Dark Red
Presto™ Deep Scarlet
Presto™ Orange
Presto™ Pink
Presto™ Pink Sizzle
Presto™ Pink+Eye
Presto™ Rose Flare
Presto™ Salmon
Presto™ Violet
Presto™ White

NEW GUINEA IMPATIENS

Celebration Apricot
Celebration Bright Salmon
Celebration Cherry Red
Celebration Deep Red
Celebration Electric Rose
Celebration Icy Blue
Celebration Lavender Glow
Celebration Orange
Celebration Pink
Celebration Purple
Celebration Purple Star
Celebration Raspberry Rose
Celebration Rose
Celebration Rose Star
Celebration Sangria
Celebration Sunset Apricot
Celebration Tropical Peach
Celebration White
Clockwork™ Appleblossom
Clockwork™ Cherry Strike
Clockwork™ Hot Pink Glow
Clockwork™ Lavender
Clockwork™ Orange
Clockwork™ Orange Stripe
Clockwork™ Pink Star
Clockwork™ Purple
Clockwork™ Red
Clockwork™ Rose
Clockwork™ White

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 Purchasers' 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 2024

VARIETY	RECOMMENDED REPLACEMENT
Bacopa MegaCopa™ Pink	Bacopa MegaCopa™ Pink Improved
Bacopa MegaCopa™ Pink Shine	Bacopa MegaCopa™ Pink Improved
Bacopa MegaCopa™ Sky Blue	Bacopa MegaCopa™ Lavender
Bidens Bee Alive	Bidens Bee Alive Improved
Coleus French Quarter	Coleus Volcanica™ French Quarter Improved
Geranium Galaxy™ Dark Red	Geranium Galaxy™ Dark Red Improved
Lantana Bloomify™ Pink	Lantana Bloomify™ Pink Improved
Lantana Lucky™ Yellow	Lantana Lucky™ Yellow Improved
Lantana Shamrock™ Orange Flame	Lantana Shamrock™ Orange Flame Improved
Lobelia Early Springs™ Lavender Pink	Lobelia Early Springs™ Lavender
Lobelia Waterfall™ Blue	Lobelia Waterfall™ Dark Blue
Osteospermum Serenity™ White	Osteospermum Serenity™ White Improved
Petchoa SuperCal® Premium Caramel Yellow	Petchoa SuperCal® Premium Yellow Sun
Petchoa SuperCal® Premium Bonfire Mix	Petchoa SuperCal® Premium Citrus Mix
Petunia Cha-Ching Cherry	Petunia Slingshot™ Lemonberry
Verbena Cadet Upright™ Magenta Wink	Verbena Cadet Upright™ Hot Pink Wink
Verbena Burgundy Wink	Verbena Burgundy Wink Improved
MixMasters™ Berry Basket	MixMasters™ Berry Basket Improved
MixMasters™ Fruit Cocktail	MixMasters™ Fruit Cocktail Improved
MixMasters™ Over The Top 23	MixMasters™ Over The Top Improved
MixMasters™ Porch Patriot	MixMasters™ Porch Patriot Improved

Visit BALLFLORAPLANT.COM for the latest trends, culture tips, videos, product listings and other valuable information.

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Ball Seed®

Ball Seed: 800 879-BALL
Ball ColorLink®: 800 686-7380

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