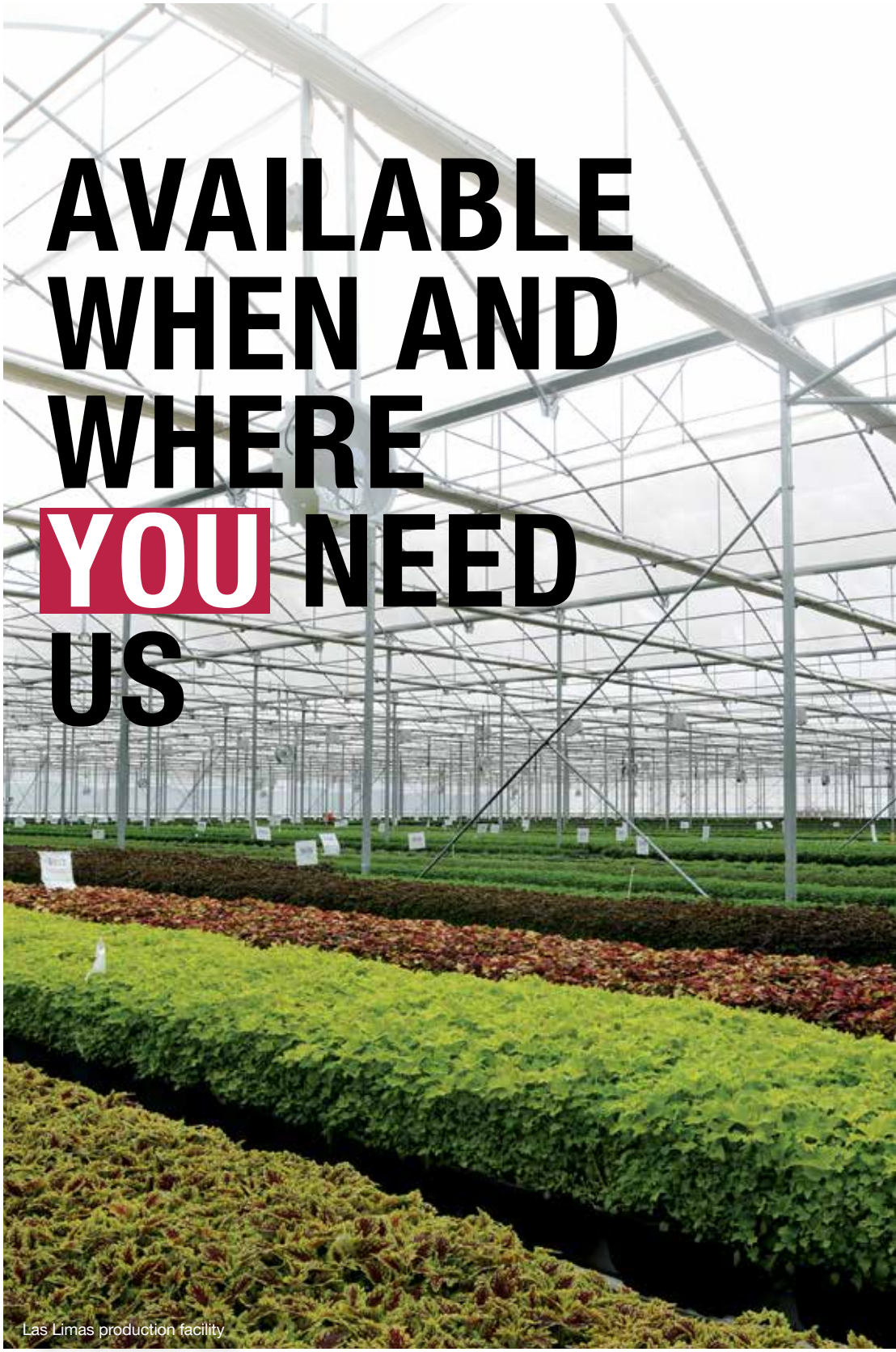
Ball FloraPlant®

2017

Count on the Ball FloraPlant team for the latest trends, culture tips and new product information.

AVAILABLE WHEN AND WHERE YOU NEED US



Las Limas production facility

NEW Cabaret Orange Calibrachoa

We've expanded this year's catalog to include more in-depth **product information, trial results** and **culture tips and tricks** provided by our product representatives, breeders and technical experts. We've also introduced several **breeding breakthroughs** in these pages, like game-changing **NEW Archangel™ Cherry Red Angelonia,** pictured on our cover. There's also vibrant **NEW Cabaret® Orange Calibrachoa,** the best orange on the market today, and red-hot **NEW Lucky™ Red Lantana,** a striking addition to the series that stands up to heat, drought and stressful conditions.

When you visit **ballfloraplant.com,** you'll find the latest in BFP TV's fact-filled videos on culture and trends, as well as a comprehensive listing of all Ball FloraPlant products, including **NEW ColorRush™ Petunias,** providing mounds of color in the heat or rain. You'll also find step-by-step GrowerFacts and propagation guides to help you grow all of our products, like **NEW Spotlight™ Ipomoea,** the first compact Ipomoea series on the market.

You know us as a part of Ball®, a **stable** company with a long history of providing the service, solutions and quality products to help you succeed. You can be assured that Ball FloraPlant products have been thoroughly trialed and tested to ensure **consistency, efficiency** and **predictability** in performance, whether it be in the ground, the greenhouse or at home in your customers' gardens. You can count on us to have all the **reliable, top-quality cuttings** you need when you need them.

I want to hear from you. If you have questions or comments, email me directly at RMast@ballhort.com.

Rick Mast
Sales Manager, Ball FloraPlant

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REAL SERIES

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

SEASON EXTENDER

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

GENESIS™

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

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

NEW Archangel Cherry Red Angelonia, page 14

MIXMASTERS™

Your multiliner playlist

Monique Hakkert
Marketing Manager

SHAKE IT UP

"Your retail customers can stir up excitement and bring shoppers back in during the short window between Mother's Day and Memorial Day by varying their color combinations with MixMasters. Changing out from pinks and pastels to bold and bright colors will create a dramatic visual effect and make shoppers think: *'There's something new here for me to see.'*"

MOTHER'S DAY

Eye Caramba
p. 4

Berry Basket
p. 4

Sweet Escape
p. 8

NEW I Heart Pink
p. 6

Sundance
p. 12

MEMORIAL DAY

Color Theory
p. 4

NEW Feelin' Lucky
p. 13

NEW Laguna Beach Improved
p. 10

NEW Power Play
p. 8

Pop Culture
p. 8

Colorful combos that rock!

MixMasters stays at the top of the charts with 13 new and improved combinations. Every MixMasters "recipe" has been thoroughly trialed and monitored to ensure consistency and efficiency. Combining perfectly mastered colors and greater genetic diversity, MixMasters offers rock star home garden performance every time.

MULTI-SPECIES MIXES Starting on page 4

A Grape Fit!

Bejeweled

Berry Basket

Circus Parade

Color Magic

Color Theory

Comic Relief

NEW Cotton Tail

Do You Lilac It?

Eye Caramba

NEW Fashionista

Flower Child

NEW Gimme Some Sugar

Heartland

NEW I Heart Pink

NEW Jazzberry Jam

Over The Top

Pink Outside The Box

Pop Culture

NEW Power Play

Santa Fe Sunset

Sunday Best

NEW Sunnyside

Sweet Escape

ALL-CALIBRACHOA MIXES Starting on page 10

Cherry Plum Tart

NEW Fruit Cocktail Improved

NEW Laguna Beach Improved

Panorama

Playdate

Spirits United

Sprinkles On Top

Sundance

Sweet Melody

NEW HEAT-LOVING MIXMASTERS Starting on page 13

NEW Feelin' Lucky

NEW Lucky Charm

NEW Summer Blues

NEW Summer Bouquet

SEASON EXTENDER

Berry Basket

Bejeweled

MULTI-SPECIES MIXES

A Grape Fit!

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

Bejeweled

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

Berry Basket

Petunia Sun Spun Burgundy
Verbena Aztec Burgundy Wink
Calibrachoa Cabaret White

Circus Parade

Bidens Sunbeam
Lobelia Waterfall Blue
Verbena Aztec Red Velvet

Color Magic

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

Color Theory

Petunia Sun Spun Blue
Verbena Aztec Dark Red
Calibrachoa Can-Can Apricot

Comic Relief

Petunia Sun Spun Yellow
Lobelia Early Springs
Lavender Pink
Verbena Aztec Violet

NEW Cotton Tail

Calibrachoa Cabaret White
Petunia Sun Spun White
NEW Verbena Firehouse™ White

Do You Lilac It?

Petunia Sun Spun Silver
Lobelia Early Springs
Lavender Pink
Verbena Aztec Blue Velvet

Eye Caramba

Petunia Flash Mob Bluerific
Verbena Aztec Violet Wink
Calibrachoa Cabaret White

A Grape Fit!

Circus Parade

Color Magic

Eye Caramba

Comic Relief

NEW Cotton Tail

Do You Lilac It?

Color Theory

NEW Gimme Some Sugar

NEW Fashionista

NEW Fashionista

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

Flower Child

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

NEW Gimme Some Sugar

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

Heartland

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

NEW I Heart Pink

Calibrachoa Cabaret Light Pink
Petunia Sun Spun Pink
NEW Verbena Firehouse Hot Pink

NEW Jazzberry Jam

Calibrachoa Cabaret White
Petunia Sun Spun Burgundy
Verbena Aztec Blue Velvet

Over The Top

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

Flower Child

NEW Jazzberry Jam

NEW I Heart Pink

Heartland

Over The Top

Pink Outside The Box

Pop Culture

Pink Outside The Box

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

Pop Culture

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

NEW Power Play

Calibrachoa Cabaret White
Petunia Sun Spun Red
Verbena EnduraScape Red

Santa Fe Sunset

Bidens Sunbeam
Calibrachoa Can-Can Terracotta
Verbena Aztec Blue Velvet

Sunday Best

Petunia Sun Spun White
Verbena Aztec Burgundy Wink
Verbena Aztec Violet Wink

NEW Sunnyside

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

Sweet Escape

Petunia Sun Spun Yellow
Verbena Aztec Burgundy Wink
Calibrachoa Cabaret Light Pink

Sunday Best

NEW Sunnyside

NEW Power Play

Santa Fe Sunset

Sweet Escape

ALL-CALIBRACHOA MIXES

Cherry Plum Tart

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

NEW Fruit Cocktail Improved

Calibrachoa Cabaret Deep Yellow
Calibrachoa Cabaret Hot Pink
NEW Calibrachoa Cabaret Orange

NEW Laguna Beach Improved

Calibrachoa Cabaret Bright Red
NEW Calibrachoa Cabaret
Sky Blue
Calibrachoa Can-Can Apricot

Panorama

Calibrachoa Cabaret White
Calibrachoa Cabaret Rose
Calibrachoa Cabaret Purple

Playdate

Calibrachoa Cabaret Deep Yellow
Calibrachoa Cabaret Rose
Calibrachoa Cabaret Purple

Spirits United

Calibrachoa Cabaret White
Calibrachoa Cabaret Bright Red
Calibrachoa Cabaret Deep Blue

NEW Laguna Beach Improved

NEW Fruit Cocktail Improved

Panorama

Cherry Plum Tart

Playdate

Spirits United

Sprinkles on Top

Sundance

Sprinkles On Top

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

Sundance

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

Sweet Melody

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

Sweet Melody

NEW Feelin' Lucky

NEW Lucky Charm

NEW Summer Blues

NEW Summer Bouquet

NEW HEAT-LOVING MIXMASTERS

NEW Feelin' Lucky

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

NEW Lucky Charm

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

NEW Summer Blues

Angelonia AngelMist Spreading Blue
Angelonia AngelMist Spreading Dark Purple
Angelonia AngelMist Spreading White

NEW Summer Bouquet

Angelonia AngelMist Spreading Blue
Angelonia AngelMist Spreading Pink
Angelonia AngelMist Spreading White

ARCHANGEL™

Angelic in the heat, with the biggest blooms, too

REAL SERIES

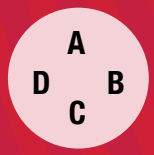
SEASON EXTENDER

NEW Cherry Red

Kris Carlsson
Product Launch and Assortment Manager

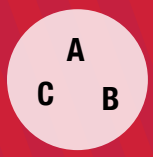
QUENCH THE THIRST FOR SUMMER COLOR

"Extend the Summer selling season with long-lasting mixed combo planters. They grab consumer attention and will stand up to the heat once they get home. Archangel Angelonia makes the ideal thriller in these two heat-busting planter ideas."



OPTION 1:

A. Archangel Dark Rose Angelonia
B. SolarPower Black Ipomoea
C. Little Lucky Hot Pink Lantana
D. Goldilocks Lysimachia



OPTION 2:

A. NEW Archangel Cherry Red Angelonia
B. Lucky Sunrise Rose Lantana
C. NEW Spotlight Red Ipomoea

Dark Rose

White

Light Pink

NEW Cherry Red

NEW Blue Bicolor

NEW Pink Improved

Raspberry

Purple

Dark Purple

Dark Rose

ANGELONIA
Angelonia angustifolia

Archangel™

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

The biggest blooms of any angelonia series!

Thrives in extreme heat, humidity and drought.

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

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

NEW Cherry Red and NEW Blue Bicolor allow for a patriotic mix with White.

Works well in quarts, gallons and mixed containers.

NEW Blue Bicolor: A cool blue novelty pattern.

NEW Cherry Red: The most notable color breakthrough in angelonia – the first red in the class! It offers the darkest red in high light and cool temperatures, with a more watermelon tone in the greenhouse or diffused light.

NEW Pink Improved: A more vibrant orchid-pink color improvement.

ANGELMIST® SPREADING

Heavenly display in baskets and landscapes

SEASON EXTENDER

NEW MixMasters Summer Blues contains AngelMist Spreading Dark Purple, Spreading Blue and Spreading White Angelonia

Spreading White

Spreading Pink

Spreading Blue

Spreading Dark Purple

AngelMist Spreading®

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

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

Low-growing variety makes a unique groundcover.

Makes a big impact in mixed baskets and as a cascading element in mixed combos.

INTERGENERIC ARGYRANTHEMUM

NEW GRANDESSA™

Makes a royal splash with big, beautiful blooms

NEW Yellow

NEW Pink Halo, White and Yellow

NEW Grandessa Yellow is almost twice the size of standard argyranthemums

NEW White

NEW Pink Halo

NEW Yellow

NEW Red

ARGYRANTHEMUM
Argyranthemum intergeneric

New Grandessa™

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

This new series of intergeneric argyranthemum is all about the WOW factor.

With larger, brightly colored daisy-like flowers, this high-impact, "grab-n-go" item will fly off the retail shelf.

Compared to standard argyranthemums, Grandessa produces substantially larger blooms across the entire series.

Grandessa has a larger, more vigorous overall habit, making it ideal for bigger pots.

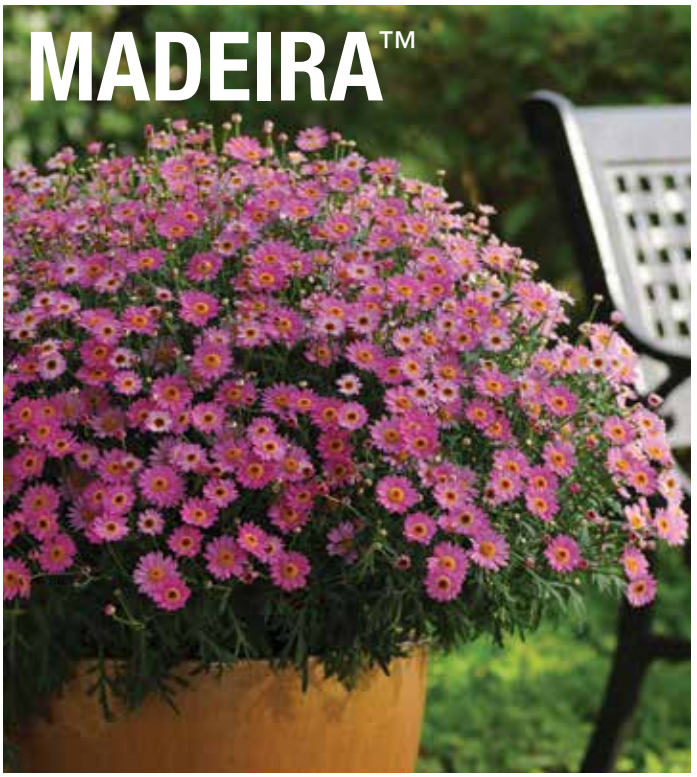
The perfect early-Spring patio decoration.

Blooms feature rich, saturated color for high impact at retail.

Culture Tip
After transplanting, allow plants to become established for 2 to 3 weeks at 60 to 65°F (16 to 18°C). Once plants are established, begin growing at recommended cool, 44 to 55°F (7 to 13°C) night temperatures. After 4 to 6 weeks of cool conditions, plants can be forced in 6 to 8 weeks.

GRANDESSA is a trademark of Suntory Flowers Limited.

MADEIRA™



Deep Pink

White

Double White

Primrose

Crested Yellow

ARGYRANTHEMUM
Argyranthemum frutescens

Madeira™

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

Wide color range, multiple flower forms, superior uniformity.

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

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

Low-energy cool crop is great for Spring programs.

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

Also available as Genesis direct-stick cuttings.

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

Crested Violet

Deep Pink

Crested Hot Pink

Red

Crested Merlot

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

Butterfly Argyranthemum

Red Threads Alternanthera

Scopia Double Indigo Bacopa

Scopia Gulliver Dynamic White Bacopa

Enduring Blue Brachyscome

Radiant Magenta Brachyscome

Scopia Double Snowball Bacopa

Scopia Gulliver Blue Bacopa

Amethyst Brachyscome

Basket Bon Bon Bracteantha

Butterfly

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

Upright, mounded and well-branched plants with long-lasting yellow flowers. Perfect for Summer and Fall programs. Also available as Genesis direct-stick cuttings.

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.

BACOPA
Sutera grandiflora

A "2 for 1" series – pay for one unrooted cutting, get two to plant. See inside back cover.

Scopia® Double

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

Unique double flowers paired with an upright habit make this series ideal for both small and large pots. They add depth and texture to early-season combo plantings in the landscape.

Scopia® Gulliver

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

Danziger breeding brings you gigantic flowers – some of the largest you'll see in a bacopa – and a nicely controlled habit. Compact, densely branched plant looks great in small pots up to baskets.

SCOPIA is a registered trademark of Danziger "DAN" Flower Farm.

BRACHYSCOME
Brachyscome hybrida

Amethyst

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

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

A "2 for 1" product – pay for one unrooted cutting, get two to plant. See inside back cover.

Enduring Blue

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

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

Radiant Magenta

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.

BRACTEANTHA
Bracteantha bracteatum

Basket Bon Bon

Height: 6 to 8 in. (15 to 20 cm)
Spread: 10 to 12 in. (25 to 30 cm)

Strong lateral branching and unique spreading habit make this strawflower great for hanging baskets. Perfect for Fall programs.

For more bracteantha, see page 26.

NEW MEGACOPA™

Blockbuster blooms power through the heat

NEW White

Ben Winslow
Breeder

BIG BLOOMS BEAT THE HEAT

"New MegaCopa beats the competition when it comes to superior heat performance. In Summer trials, MegaCopa's habit stayed controlled, and its early season color held up all the way through the Texas Summer heat."

Texas Trials in May – leading heat-performance variety (left) vs. NEW MegaCopa White (right)

NEW White

NEW Versa White

NEW Pink

NEW Sky Blue

NEW Blue

BACOPA
Sutera cordata

New MegaCopa™

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

This new series of bacopa is notable for its well-branched habits, large flowers and improved heat performance. It replaces the Abunda™ Series.

Controlled habit is grower-friendly and offers better centerfill than Abunda™.

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

NEW Versa White: Ideal for growers that want to finish a quart or 4-in. (10-cm) pot earlier. It hides older flowers better than other varieties and has more flower cover in a smaller container. (Replaces Abunda Colossal White.)

NEW White: The choice for baskets, and the heat performance is much better than the industry standard. Good for mixes, too. (Replaces Abunda Giant White.)

NEW Blue, NEW Pink and NEW Sky Blue match NEW White for habit.

A "2 for 1" series – pay for one unrooted cutting, get two to plant. See inside back cover.

NEW BEE ALIVE

Cool colors and compact, controllable habit

NEW Bee Alive

BIDENS
Bidens ferulifolia

New Bee Alive

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

Controlled habit is ideal for small pots up to hanging baskets. Easy production for retail.

Exciting novelty color and pattern for Spring and Fall.

Great color that can be produced during the heat of Summer for Fall sales – also works in Fall mixed combos!

Flowers attract pollinators, such as bees and butterflies.

Manda Vuksanaj
Product Representative

MAKE FALL DÉCOR COME ALIVE

"While bidens are mainly produced for Spring, NEW Bee Alive bidens has the perfect colors for Fall sales. Featured as a standalone in an 8-in. (20-cm) decorative pot, or in a combination with other bold, vibrant varieties, these bright, bee-friendly flowers provide instant Fall décor."

NEW Bee Alive Bidens, Cabaret Deep Blue Calibrachoa and ColorGrass® Carex Red Rooster

NEW Sun Drop Improved

NEW Sun Drop Compact

Sunbeam

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.

New Sun Drop Improved

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

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

New Sun Drop Compact

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

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

DREAMTIME®

Big, dreamy blooms perk up early-season sales

Jumbo Yellow

BRACTEANTHA
Bracteantha bracteatum

Dreamtime®

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

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

Makes a high-impact retail display.

Excellent tolerance for cool temperatures.

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

Also available as Genesis direct-stick cuttings.

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

Jumbo Rose

Jumbo Yellow

Jumbo Pure White

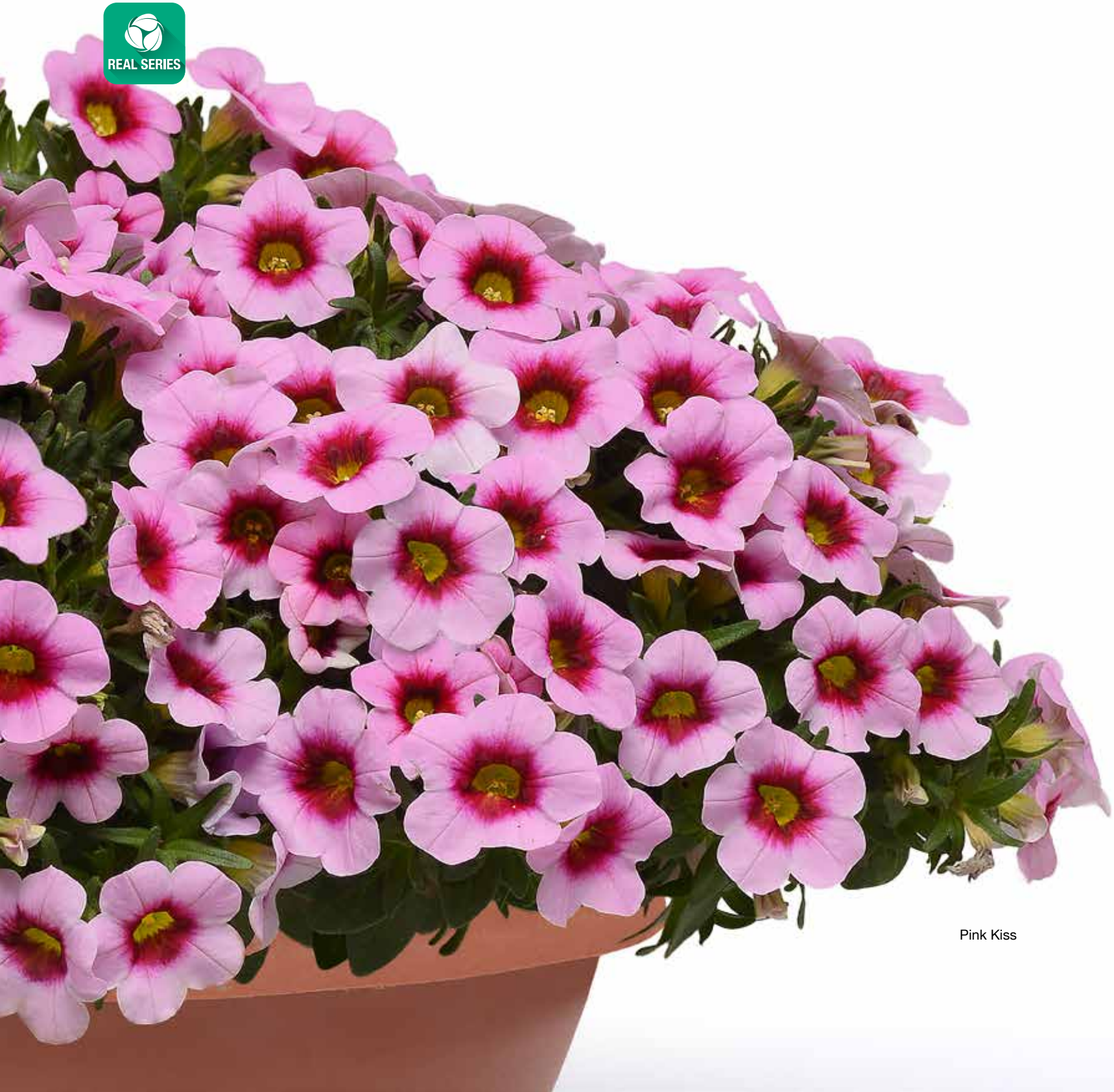
Jumbo Red

CALIBRACHOA

CONGA™

The conga line starts here for compact color bowls

REAL SERIES



Pink Kiss

NEW Deep Yellow

NEW White

Pink Kiss

Sun Kiss

Coral Kiss

Orange

Rose Kiss

CALIBRACHOA

Calibrachoa hybrida

Conga™

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

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

Easy to grow – very uniform.

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

Flowers one week earlier than Cabaret series.

Great choice for quarts, color bowls and window boxes.

NEW Deep Yellow: Replaces Yellow with improved habit, earlier flowering, better flower coverage and better overall performance in a solid yellow color.

NEW White: Pure white color replaces Blush, featuring better in-ground performance, a tighter habit and matches the series better.

CABARET®

Right on beat for better baskets

REAL SERIES

MixMasters Playdate contains
Cabaret Deep Yellow, Rose and Purple Calibrachoa

Cabaret®

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

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

All varieties flower with 11-hour days and stay open and in flower under low light conditions – a big plus at retail.

Well-branched with full centers.

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

NEW Lavender Improved: A darker lavender color, plus the flowers stay open in low light without cupping.

NEW Lemon Yellow: A nice yellow color for mixes.

NEW Orange: A new color addition that shows the most distinct true orange color in the greenhouse; shows more pink outside.

NEW Pink Star: The first Cabaret novelty color has a stable pattern and is well-matched to the series habit and uniformity.

NEW Scarlet Improved: A more true scarlet color and matches the series better.

NEW Sky Blue: Extends the line with a light blue color.

Allan Davidson
President

TAKE 3 – WE GUARANTEE!

"Cabaret calibrachoa's super-uniform habit makes it perfect for all-calibrachoa combos. Try our **Take 3 Challenge** – choose any 3 colors from the Cabaret series and we guarantee all 3 will be in color to ship to retail at the same time."

NEW Fruit Cocktail Improved p. 10

Panorama p. 10

Sweet Melody p. 12

NEW Orange

NEW Pink Star

NEW Lemon Yellow

NEW Sky Blue

NEW Lavender Improved

NEW Scarlet Improved

Deep Blue

Bright Red

Deep Yellow

Mango Tango

Light Pink

Rose

Purple

Hot Pink

White

CALIBRACHOA

CAN-CAN®

Kicks up larger baskets with cool colors and patterns

Red Splash

NEW Magenta Kiss

NEW Pink Flamingo

Apricot

Can-Can®

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

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

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

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

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

NEW Magenta Kiss: Magenta flower features a purple eye. Great flower power!

NEW Pink Flamingo: A unique pink color that offers excellent performance, a great habit and is ideal for mixed and mono baskets.

Red Splash

Neon Pink

Orange

Hot Pink Star

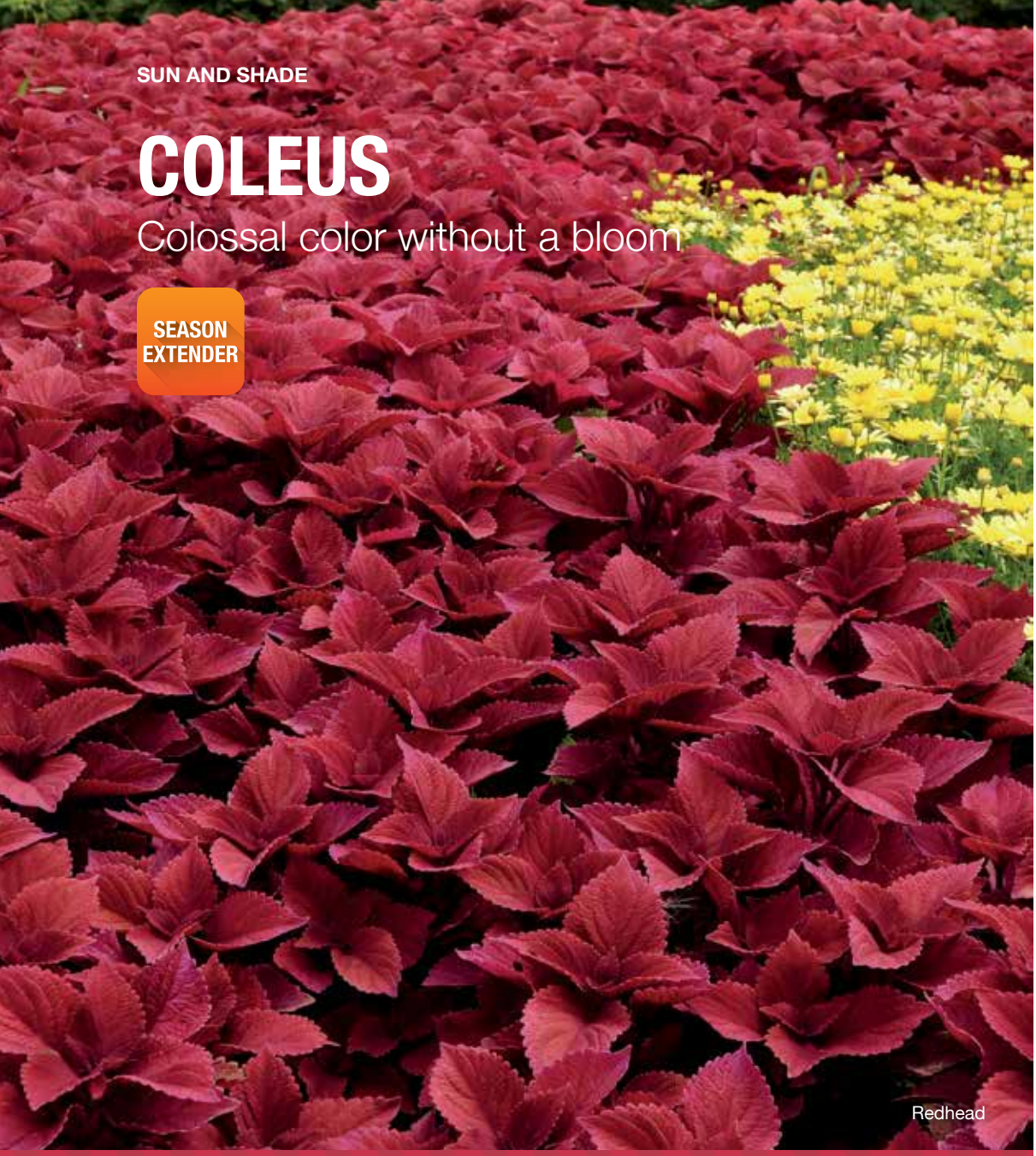
Terracotta

Dark Purple

COLEUS

Colossal color without a bloom

SEASON EXTENDER



Redhead

COLEUS
Solenostemon scutellarioides

Stunning colors and patterns for full sun and shade.

Versatile, premium varieties are very late to never flowering.

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

Jason Twaddell
Product Representative

FOCUS ON THE VIGOR

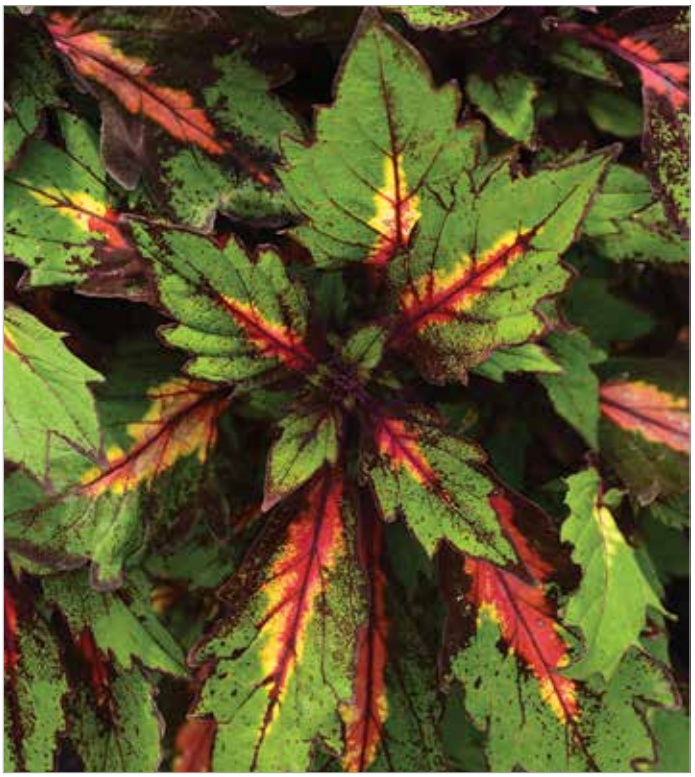
"We've grouped our premium coleus by vigor to assist in variety selection, and it helps provide trouble-free planning for landscapes and containers."

COMPACT
NEW Ruby Slipper
Mint Mocha
Special Effects

MEDIUM
Campfire
NEW Inferno
Indian Summer
Electric Lime
Henna
Coleosaurus

VIGOROUS
Wasabi
Redhead
Trusty Rusty
NEW French Quarter
Vino

Mint Mocha



Special Effects

NEW Ruby Slipper

COMPACT

New 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.

Mint Mocha

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

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

Special Effects

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

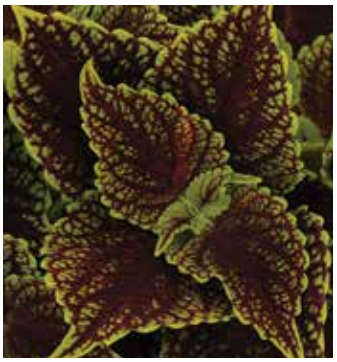
Compact, densely branched coleus shines in small container production. Bold foliage colors and unique leaf shape are great in mixed containers – excellent landscape performance, too.

NEW Inferno

Indian Summer

Campfire

Electric Lime



Coleosaurus

Henna

MEDIUM

New 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.

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.

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.

Electric Lime

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

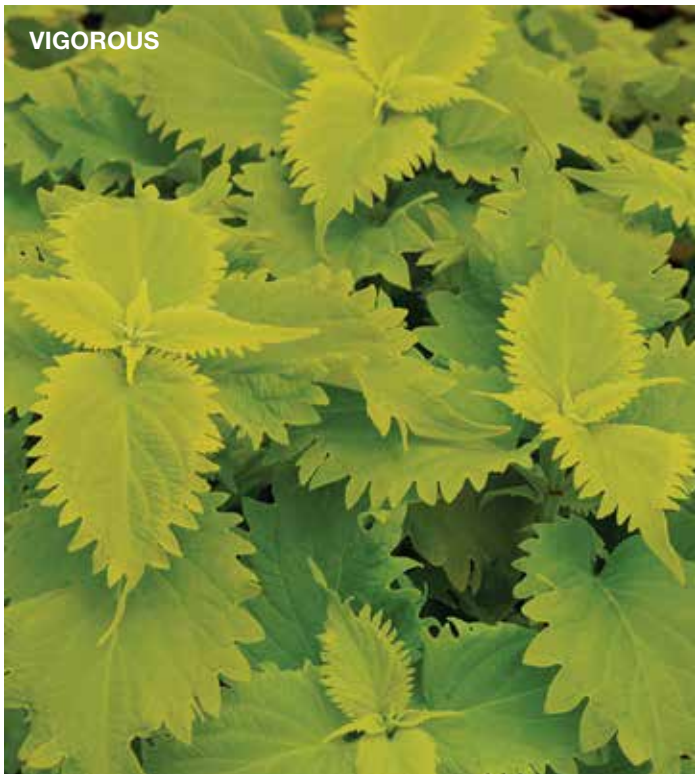
Bright lemon-lime leaves electrify the shade and don't fade in sun.

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

Coleosaurus

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

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



Wasabi

NEW French Quarter

VIGOROUS

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.

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.

New French Quarter

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

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

Vino

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

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

Redhead

Vino

Trusty Rusty

FLAMETHROWER™

Create sparks in small pots and mixes

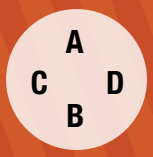
SEASON EXTENDER

NEW Habanero

Angela Storm
Product Representative

SUREFIRE FILLER

"Despite the fiery name, FlameThrower coleus actually works very well as a filler in mixed containers due to its more compact habit and foliage shape and size. It adds maintenance-free multicolor foliage and a unique texture from the serrated edges. It also behaves well in quarts."



Season Extender Mixed Container

A. Little Zin Hibiscus

B. FlameThrower Spiced Curry Coleus

C. EnduraScape Red Verbena

D. AngelMist Spreading White Angelonia

Chili Pepper

NEW Habanero

Burgundy Wedding Train

Chipotle

Lava Rose

Florida Sun Rose

NEW Habanero

Chili Pepper

FlameThrower™

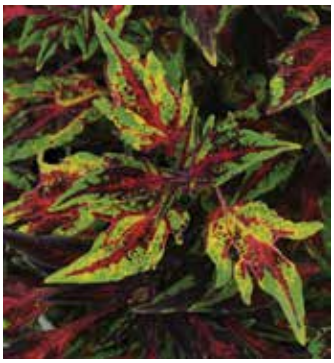
Height: 12 to 18 in. (31 to 46 cm)
Spread: 16 to 18 in. (41 to 46 cm)

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

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

Great garden performance in sun and shade.

NEW Habanero: Features fiery orange leaves with a touch of purple at the center and edges.



Chili Pepper

Spiced Curry

COLEUS

Solenostemon hybrida

Burgundy Wedding Train

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

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

Lava Rose

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

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

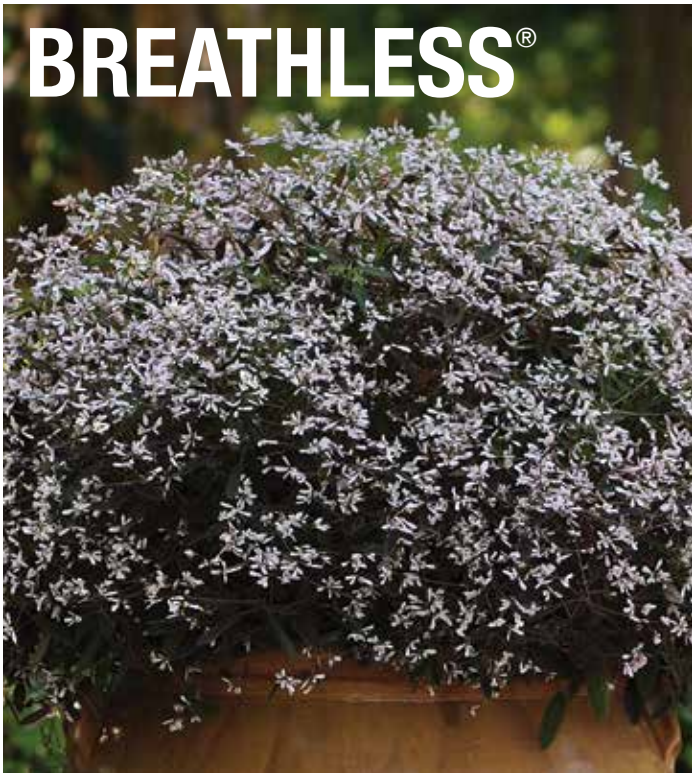
Florida Sun Rose

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

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

Allyson Heather Cuphea

Blue Daze Evolvulus



White and Blush

Firecracker Cuphea

Apricot Twist Erysimum

CUPHEA
Cuphea hyssopifolia

Allyson Heather

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

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

A "2 for 1" product – pay for one unrooted cutting, get two to plant. See inside back cover.

Cuphea purpurea

Firecracker

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

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

ERYSIMUM
Erysimum linifolium

Apricot Twist

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

Compact, upright plant has slender, dark silver-green leaves and thin stems. Clusters of bright apricot flowers from June to August have a spicy fragrance.

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.

EUPHORBIA
Blush: Euphorbia hybrida
White: Euphorbia hypericifolia

Breathless®

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

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

Durable Breathless fills in fast.

Long-lasting plants require little water and no deadheading.

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

Blush

White

Romeo White

Juliet Pink With Eye

Romeo White

Romeo Orange

Juliet White

Juliet Orange

Romeo Bright Pink

BASKET DIASCIA
Diascia barberae

Romeo™

Height: 7 to 9 in. (18 to 23 cm)
Spread: 8 to 10 in. (20 to 25 cm)

Vigorous and mounding, perfect for baskets.

The best-matched diascia on the market for size and flower timing, Romeo requires low energy input and no PGRs if grown cool.

Romeo extends the season for early and late sales.

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

A "2 for 1" series – pay for one unrooted cutting, get two to plant. See inside back cover.

Juliet Red

Juliet Pink With Eye

Juliet Light 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.

A "2 for 1" series – pay for one unrooted cutting, get two to plant. See inside back cover

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

DIRECT-STICK CALLUSED CUTTINGS

Genesis Offers Fantastic Benefits

LESS LABOR – Genesis can be direct-stuck into a finished container.
SHORTENED CROP TIME – The comparison below 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.

Rick Mast
Sales Manager

GENESIS CUTS DOWN ON MIST

"We have seen many growers use Genesis cuttings in liners due to the 100% rooting success and the fact you can take it off of mist multiple days earlier."

The following chart shows the mist recommendations for a Genesis geranium.

TYPE OF PROPAGATION	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
Genesis - Automated mist in Prop Zone with bottom heat	**Day:** Once/ 15 Min. **Night:** Once/45 Min.	**Day:** Once/ 20 Min. **Night:** Once/60 Min.	**Day:** Once/60 Min. **Night:** Once/3 Hours	Hand mist as needed	Off mist

Retail-ready plants in as few as 6 weeks!

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

Genesis Cuttings

On arrival

3 weeks after direct-stick

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

Traditional Unrooted Liner

Start 2 weeks earlier to get liner ready on time

On arrival

3 weeks after transplant

At 6 weeks, finished plant is ready to ship

Available as Genesis Direct-stick Callused Cuttings:

Argyranthemum Butterfly .....p 21
Argyranthemum Madeira™ .....p 20
Bracteantha Dreamtime®.....p 26
Geranium, Zonal Presto™.....p 44
Geranium, Zonal Fantasia®.....p 46
Geranium, Zonal Dynamo™.....p 48
Geranium, Zonal Allure™ .....p 50
Geranium, Ivy Focus™.....p 52
Geranium, Ivy Precision™.....p 54
Osteospermum Blue Eyed Beauty ..p 87
Osteospermum Voltage™ Yellow....p 90
Osteospermum Voltage™ White.....p 90
Osteospermum Serenity™.....p 88
Scaevola Blue Fan.....p 104
Scaevola Bondi™.....p 104
Scaevola Brilliant.....p 104
Scaevola White Sparkle .....p 104

PRESTO™

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

REAL SERIES

GENESIS™

Presto™ – COMPACT HABIT

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

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

Brilliant Red

Dark Red

NEW Deep Scarlet Improved

Brilliant Red

Violet

Dark Fuchsia

Dark Salmon

Rose Sizzle

Pink

Pink+Eye

Light Salmon

Pink Sizzle

White

ZONAL GERANIUM
Pelargonium hortorum

Presto™

Height: 8 to 10 in. (20 to 25 cm)
Spread: 8 to 10 in. (20 to 25 cm)
Compact, dark leaf.

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

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

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

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

NEW Deep Scarlet Improved: Better branching, a darker zone and tighter uniformity to match the series better.

Also available as Genesis direct-stick cuttings.

Light Salmon

ZONAL GERANIUM

FANTASIA®

Bright blooms, dark leaves – a fantasy come true

GENESIS™

Fantasia® – MEDIUM HABIT

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

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

Dark Red

Cardinal Red

NEW Scarlet Improved

Cranberry Sizzle

Violet

Purple Sizzle

Coral

Salmon

Strawberry Sizzle

NEW Flamingo Rose Improved

Neon Rose

Shocking Pink

NEW Pink

Raspberry Twizzle

NEW Appleblossom

White

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 Appleblossom: Vibrant, light pink color is intensified under early-Spring, low-light conditions.

NEW Flamingo Rose Improved: Offers better branching to match the series, along with a more saturated rose color and more flower power.

NEW Pink: Extends the line with a vibrant pink color.

NEW Scarlet Improved: Offers better branching and uniformity to match the series.

Also available as Genesis direct-stick cuttings.

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

ZONAL GERANIUM

DYNAMO™

Powerhouse of color and uniformity

GENESIS™

Dynamo™ – MEDIUM HABIT

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

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

Dark Red

Dark Red

Red

Scarlet

Violet

Purple

Hot Pink

Dark Salmon

Salmon

Raspberry Sizzle

Light Pink

NEW White Improved

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.

NEW White Improved: Has a darker leaf than the original.

Also available as Genesis direct-stick cuttings.

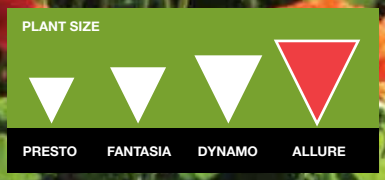
Grower's Choice: These varieties share uniform timing and habit

ZONAL GERANIUM

ALLURE™

Full-bodied and supersized – a tempting combination

GENESIS™



Allure™ – VIGOROUS HABIT

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

Tangerine

Scarlet

True Red

Hot Coral

Tangerine

Purple Rose

Pink Sizzle

Salmon

Lilac Chiffon

Light Pink

White

Allure™

Height: 14 to 18 in. (36 to 46 cm)
Spread: 12 to 14 in. (30 to 36 cm)
High vigor, green leaf.

Large, semi-double blooms last all season.

Upright plants with high stress tolerance.

Best suited to large baskets and mixed containers.

Also available as Genesis direct-stick cuttings.

IVY GERANIUM

FOCUS™

Zoom in on a compact, controlled habit

REAL SERIES

GENESIS™

PLANT SIZE

FOCUS PRECISION

Focus™ – COMPACT HABIT

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

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

Red Ice

Burgundy

Red Ice

Rose

Hot Pink

IVY GERANIUM
Pelargonium 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-leafed 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 four colors.

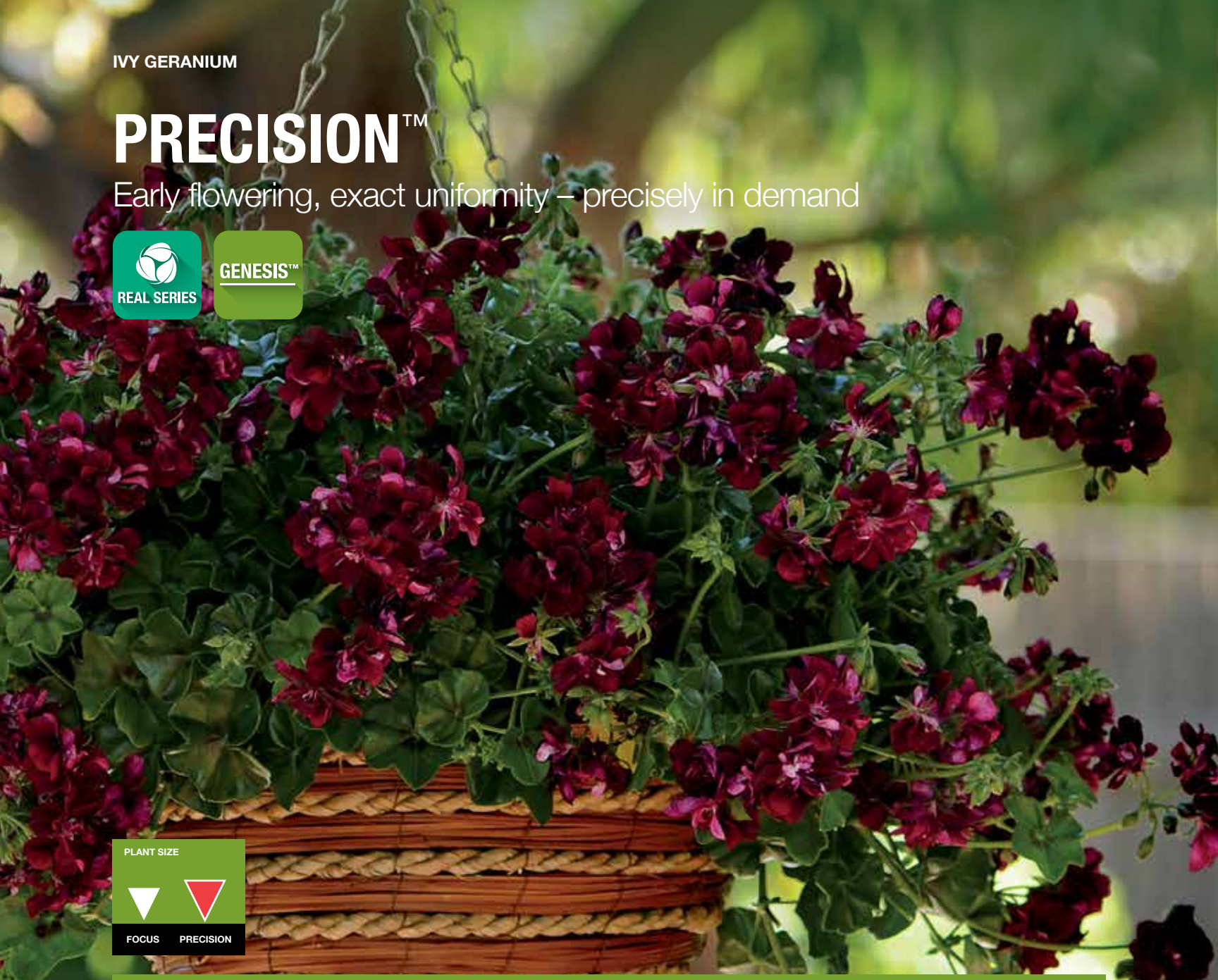
Also available as Genesis direct-stick cuttings.

PRECISION™

Early flowering, exact uniformity – precisely in demand

REAL SERIES

GENESIS™



PLANT SIZE

FOCUS PRECISION

Precision™ – MEDIUM HABIT

VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Burgundy	early	green	medium mounded
Burgundy Ice	early	green	medium-compact mounded
Dark Burgundy	early	green	medium mounded
Dark Salmon	early/medium	green	medium mounded
Lavender Blue *TOP SELLER*	early	dark	medium
Light Pink	medium	green	medium-compact
Pink *TOP SELLER*	early	green	medium mounded
Red Ice *TOP SELLER*	early	green	medium mounded
Ruby *TOP SELLER*	early	green	medium mounded
Scarlet Red	early	green	medium mounded
White Red Eye	early	green	medium-compact mounded

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

Dark Burgundy

Dark Burgundy

Burgundy

Ruby

Scarlet Red

Burgundy Ice

Dark Salmon

Red Ice

Pink

Lavender Blue

Light Pink

White Red Eye

Precision™

Height: 10 to 12 in. (25 to 30 cm)
Spread: 14 to 18 in. (36 to 46 cm)
Medium vigor, green leaf.

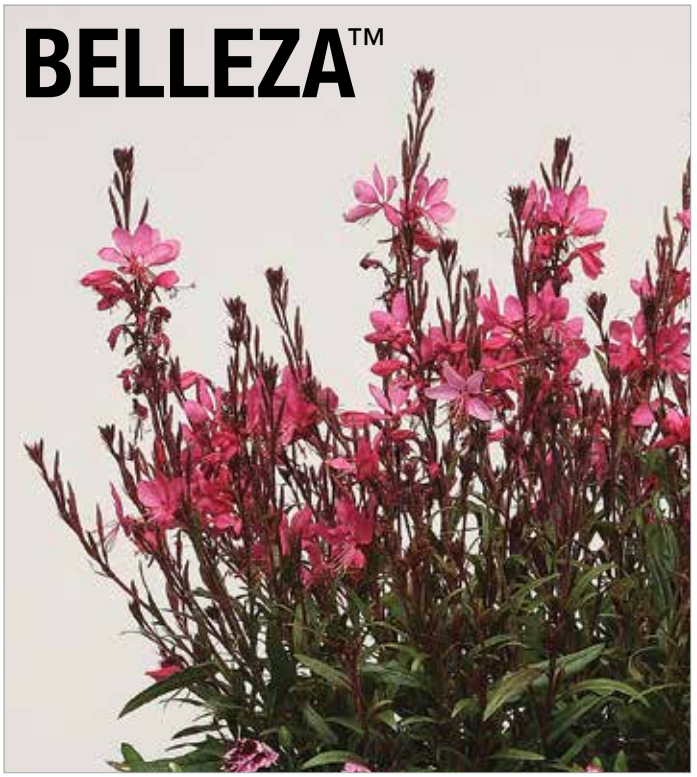
Specially selected for early flowering and excellent uniformity.

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 cuttings.

BELLEZA™



Belleza Dark Pink

Belleza White

Belleza Compact Light Pink

Belleza Dark Pink

Siskiyou Pink

GAURA
Gaura lindheimeri

USDA Hardiness Zones: All are temperate perennials in Zones 6 to 10.

Belleza™

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

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

Siskiyou Pink

Height: 24 to 36 in. (61 to 91 cm)
Spread: 30 to 36 in. (76 to 91 cm)

Heat and humidity-tolerant variety produces clusters of bright red-pink flowers with white stamens, atop willowy foliage.

HELICHRYSUM
Helichrysum petiolare

Licorice

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

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

Silver Star

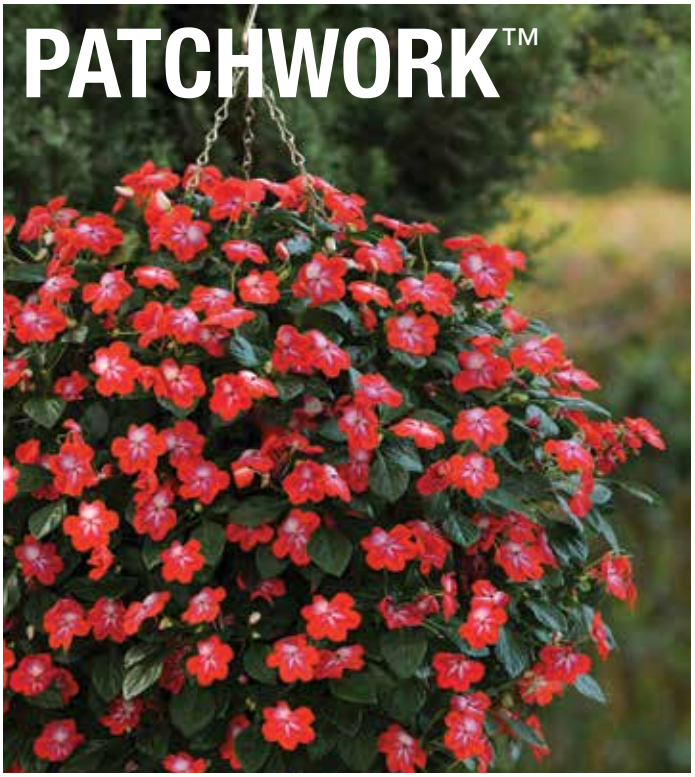
Height: 8 to 10 in. (20 to 25 cm)
Spread: 18 to 24 in. (46 to 61 cm)

Attractive silver foliage draws attention to this densely branched variety in pots and mixed containers. Adds “pop” and contrast for an upscale look without a lot of added cost. Easy to grow in both small and large pots.

Licorice Helichrysum

Silver Star Helichrysum

PATCHWORK™



Patchwork Cosmic Orange

Patchwork Cosmic Orange

Patchwork Peach Prism

Patchwork Cosmic Burgundy

Patchwork Pink Shades

FUSION™

Fusion Heat Coral

Fusion Glow Yellow

Fusion Heat Coral

EXOTIC IMPATIENS
Impatiens walleriana

Patchwork™ Collection

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

Nothing else has these unique novelty patterns and colors!

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

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

EXOTIC IMPATIENS
Impatiens hawkeri

Fusion™

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

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

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

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

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

Ideal for large, high-margin containers and baskets.

DOUBLE IMPATIENS

FIESTA BONITA™

A celebration of supersized double blooms

REAL SERIES

White

White

Stardust Lavender

Salmon

Pink

Rose

Cherry

Burgundy

DOUBLE IMPATIENS

Impatiens walleriana

Fiesta Bonita™

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

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

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

DOUBLE IMPATIENS

FIESTA™

Big and bold double blooms for the shade

Stardust Pink and Appleblossom

White

Appleblossom

Lavender Orchid

Pink Ruffle

Stardust Pink

Sparkler Hot Pink

Stardust Purple

Sparkler Cherry

Salsa Red

Deep Orange

Sunrise Red

Purple

Burgundy

Fiesta™

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

Elegant shade selection has the biggest, most fully double rose-like blooms.

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

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

Excellent branching and uniformity mean fewer PGRs and less stretching.

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

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

SPREADING IMPATIENS

SUNPATIENS®

Masses of nonstop color for landscapes

Vigorous Magenta

INTERSPECIFIC IMPATIENS

Impatiens hawkeri

SunPatiens Vigorous®

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

Thrives in sun and shade.

Ideal for large areas – produces masses of fast color.

Flourishes in extreme heat, yet tolerates light frost, so it still looks great in the Fall.

Sturdy plants stand up to wind and rain.

SunPatiens Spreading®

Height: 20 to 34 in. (51 to 86 cm)
Spread: 24 to 36 in. (61 to 91 cm)

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

Plants get better looking the longer they're in the garden.

Robust, disease-resistant variety performs right up until hard frost with nonstop color.

NEW Spreading Pink Kiss: Exciting, large, bicolor flower on vigorous spreading habit is great for consumer landscapes.

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

SunPatiens®
Sun or Shade, Rain or Shine, Spring thru Fall™

Vigorous White

Vigorous Orange

Vigorous Magenta

Vigorous Lavender

Spreading Clear White

Spreading White V/L

NEW Spreading Pink Kiss

Spreading Salmon V/L

Spreading Shell Pink

Spreading Pink Flash

Spreading Corona

Spreading Tropical Orange

Spreading Clear Orange

Spreading Carmine Red

Spreading Scarlet Red

Spreading Lavender

SUNPATIENS® COMPACT

Flower power for containers in sun and shade

Compact Electric Orange

Compact SunPatiens®

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

Tolerates all weather, Spring through hard frost.

Unique varieties love sun as well as shade.

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

Exceptional outdoor performance.

Roots fast, reduced crop time.

NEW Compact Fire Red, NEW Compact Orange, NEW Compact Orchid and NEW Compact Tropical Rose have been added to the series.

SunPatiens now offers new 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 Best Friends Mix contains Compact White, Compact Royal Magenta and Compact Lilac impatiens.

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

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Sun or Shade, Rain or Shine, Spring thru Fall™

NEW Best Friends Mix

NEW Desert Sun Mix

NEW Compact Orange

NEW Compact Orchid

NEW Compact Fire Red

Compact White

Compact Deep Rose

Compact Pink

Compact Blush Pink

NEW Compact Tropical Rose

Compact Royal Magenta

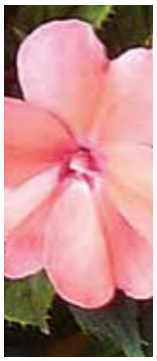
Compact Red

Compact Neon Pink

Compact Lilac

Compact Electric Orange

Compact Hot Coral



Compact Coral Pink

NEW CLOCKWORK™

Extremely uniform, and all colors ship at the same time

REAL SERIES

NEW Purple

Gail Shaffer
Breeder

THE RIGHT TIMING

"ClockWork was bred to be extremely uniform in timing and habit, a benefit to the greenhouse grower, because ClockWork can be grown without adjusting the culture. In addition, all colors finish together, so they can be shipped to retail at the same time. This series truly performs like clockwork."

NEW ClockWork White is extremely uniform

NEW Purple

NEW Red

NEW Appleblossom

NEW Pink Star

NEW Orange Stripe

NEW Orange

NEW White

NEW GUINEA IMPATIENS
Impatiens hawkeri

New Clockwork™

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

Like clockwork: Series has high uniformity of habit and flower timing across all colors, blooming all in the same week.

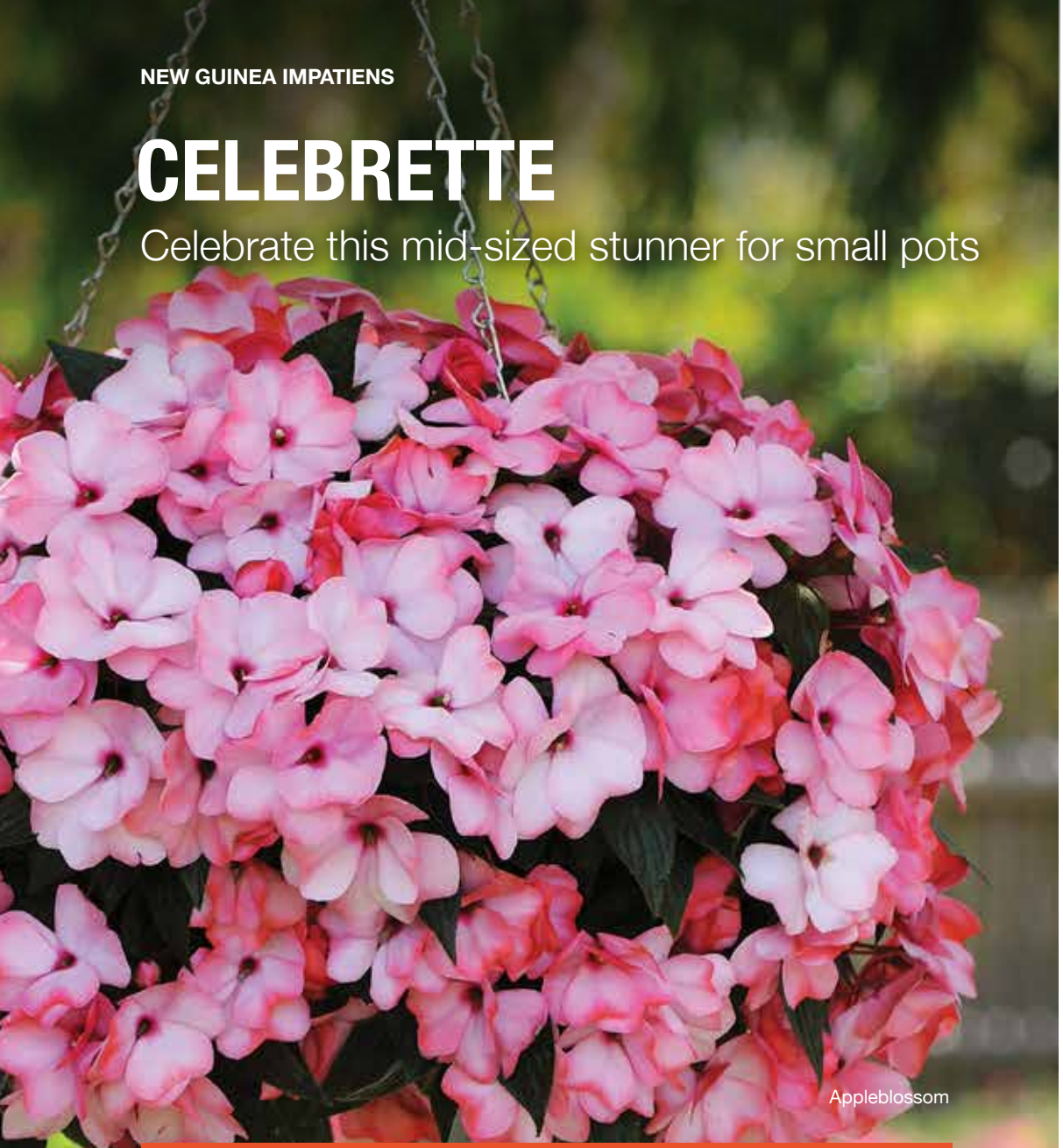
Large blooms.

Ideal for quart and gallon containers, and hanging baskets.

NEW GUINEA IMPATIENS

CELEBRETTE

Celebrate this mid-sized stunner for small pots



Appleblossom

Celebrette

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

Includes 6 Grower's Choice varieties for the most uniform habit and timing across key colors.

Mid-size Celebrette delivers early, continuous flowering, with excellent branching, controlled habit and large blooms.

Thrives in both hot and cool conditions.

Ideal for small pot programs.

NEW Orange Crush Improved: Improved for larger flowers with the same timing.

NEW Grape Crush Improved, NEW Orange Stripe Improved and NEW Orchid Star Improved are improved for larger flowers and earlier flowering.

NEW GUINEA IMPATIENS Celebrette

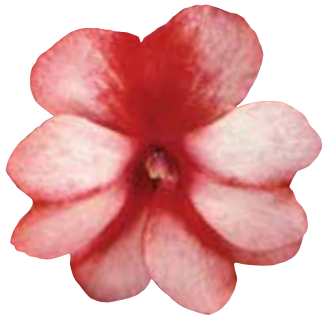
VARIETY	FLOWER TIMING	LEAF TYPE	HABIT
Appleblossom	early	dark green	compact-medium
Bonfire Orange	medium	bronze	compact
Cherry Stripe	medium	dark green	compact
Frost	early	green	compact-medium
NEW Grape Crush Improved	early	dark green	compact-medium
Hot Pink	early	green	medium-vigorous
Lavender	medium	dark green	compact
Light Coral	medium	variegated	medium
NEW Orange Crush Improved	early	dark green	compact-medium
NEW Orange Stripe Improved	early	dark green	compact-medium
NEW Orchid Star Improved	early	dark green	compact-medium
Red	medium	green	compact
Salmon Frost	medium	green	compact-medium
Strawberry Star	medium	bronze	compact

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

NEW Orchid Star Improved

Frost

Salmon Frost



Strawberry Star

Appleblossom

NEW Orange Stripe Improved

Lavender

Light Coral

NEW Orchid Star Improved

Cherry Stripe

Hot Pink

NEW Orange Crush Improved

Bonfire Orange

Red

NEW Grape Crush Improved

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

CELEBRATION

Keeps rockin' in bigger pots and baskets

Purple Star

NEW GUINEA IMPATIENS Celebration

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

Celebration

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

Big impact for larger container programs.

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

Full color range delivers excellent greenhouse performance.

Large blooms cover the plant even in high heat.

Icy Blue

White

Icy Blue

Rose Star

Electric Rose

Pink

Lavender Glow

Apricot

Bright Salmon

Tropical Peach

Orange

Deep Red

Purple Star

Purple

NEW SPOTLIGHT™

A rising star in small pots and mixed combos

6-pack with NEW Black, NEW Lime and NEW Red

Ben Winslow
Breeder

SHINE THE SPOTLIGHT ON PINT AND PACK PRODUCTION

"New Spotlight ipomoea has the most compact habit of all ipomoea, so it's ideal for easy, no-tangle 6-packs and pint production. Spotlight offers ease of growing in small pots with no pinch and no PGRs."

NEW Spotlight Lime is perfect for pints.

NEW Spotlight Black Ipomoea, Lucky Red Lantana and EnduraScape Red Verbena

NEW Lime

NEW Red

NEW Black

IPOMOEA
Ipomoea batatas

New Spotlight™

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

The first compact ipomoea series!

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

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

A compact solution for southern regions.

IPOMOEA

SOLARPOWER™

Add energy and color to containers and landscapes

SEASON EXTENDER

Black

Red

Lime

Red

Black

SolarPower™

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

Densely branched SolarPower holds its shape and color in 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.

LITTLE LUCKY™

This one's the charm for pot-tight production

REAL SERIES

SEASON EXTENDER

Red

Angela Storm
Product Representative

GROW AN INSTANT WINNER WITH NO PGRS

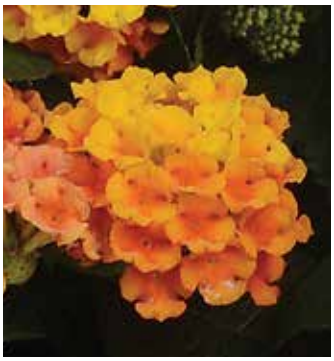
"Across all colors of Little Lucky Lantana, the simple growing solution is to pinch, and you won't need to use PGRs. We've trialed Little Lucky from start to finish, and as you can see from the photo here, the results prove our claim: it is ideal for low-maintenance, pot-tight production."

Little Lucky Peach Glow grown pot-tight

Red, Peach Glow, Orange and Lemon Cream

Lemon Cream

Pot of Gold



Orange

Peach Glow

Hot Pink

Red

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.

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

LANTANA

LUCKY™

Faces hot, dry conditions like a champ

SEASON EXTENDER

NEW MixMasters Lucky Charm contains Lucky Sunrise Rose, Lucky Flame and Lucky Pot Of Gold Lantana

Rick Mast
Sales Manager

BEST BET FOR THE HEAT

"For mixes that can stand up to the blazing Summer heat, try the two new MixMasters that are perfect for heat-tolerant hanging baskets. New Feelin' Lucky and New Lucky Charm take advantage of heat and drought-loving Lucky lantana to power through the dog days of Summer."

NEW MixMasters Feelin' Lucky contains Lucky Flame, Lucky Lemon Glow and Lucky Pot Of Gold Lantana

NEW Red

White

Lemon Glow

Lavender

Yellow

Pot of Gold

Pure Gold

Peach

Sunrise Rose

Flame

Lucky™

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

Excellent branching means less pinching, fewer PGRs.

Stands up to heat, drought and other stressful conditions.

Works well in small pots, baskets and mixed combos.

NEW Red: This is a striking HOT red!

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

LANDMARK™

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

SEASON EXTENDER

Yellow

Rose Glow

White

Peach Sunrise

Yellow

Gold

Sunrise Rose

Landmark™

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

Consistent vigor for fast fill and fuller canopies.

Stays controlled from bench to garden.

Thrives in extreme heat, humidity and drought.

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

For more Lantana, see page 84.

Citrus

Blaze

Rose Glow

EARLY SPRINGS™

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

REAL SERIES

MixMasters Pink Outside the Box contains Early Springs Lavender Pink Lobelia, Sun Spun Lavender Star Petunia and Aztec Lavender Verbena

LOBELIA
Lobelia hybrida

Early Springs™

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

Early Springs is a series of highly uniform plants.

Try mixing colors for a great-looking monoculture basket.

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

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

Just one plant fills a quart or gallon container.

Early Springs Dark Blue

Early Springs Magenta

Waterfall Blue

Waterfall Purple

NEW Waterfall White Blush

Early Springs Lavender Pink

Early Springs Sky Blue

Early Springs White

Lobelia erinus

Waterfall™

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

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

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

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

Early flowering and daylength neutral for early-Spring programs.

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

NEW White Blush: Extends this free-flowering series.

Early Springs Dark Blue

Early Springs Sky Blue

Early Springs Lavender Pink

Early Springs White

Little Zin Hibiscus

Blazin' Lime Iresine

Marine Heliotrope

Goldilocks Lysimachia

Purple Trailing Lantana

Blazin' Rose Iresine

New Gold Lantana

Dallas Red Lantana

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.

HIBISCUS
Hibiscus acetosella

Little Zin

Height: 18 to 24 in. (45 to 60 cm)
Spread: 18 to 24 in. (45 to 60 cm)

Extend the season with this heat lover. Compact Little Zin holds its shape at retail for a long sales window. Upright habit with eye-catching burgundy color is perfect as a thriller in Summer mixed containers and mass in-ground plantings.

IRESINE
Iresine herbstii

Blazin' Lime

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

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

Iresine hybrid

Blazin' Rose

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

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

LANTANA
Lantana camara

Dallas Red

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

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

New Gold

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

Mounded and spreading; well-suited to landscapes.

Lantana montevidensis

Purple Trailing

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

Good selection for combination plantings.

LYSIMACHIA NUMMULARIA
Lysimachia nummularia

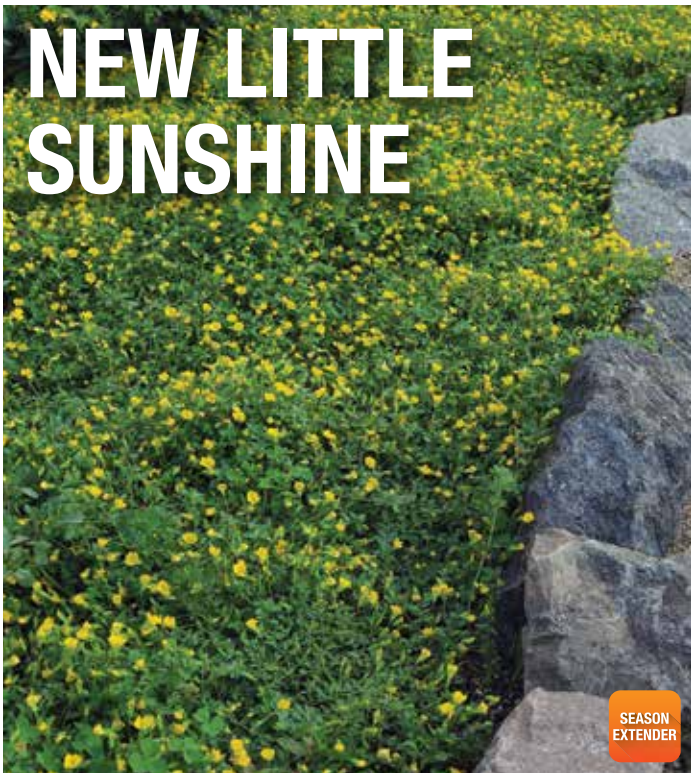
Goldilocks

Height: 2 to 4 in. (5 to 10 cm)
Spread: 12 in. (30 cm)
USDA Hardiness Zones: Temperate perenial in Zones 3 to 10.

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

Jade Frost Lamium

'Beacon Silver' Lamium



NEW Little Sunshine Mecardonia

'Anne Greenaway' Lamium

'White Nancy' Lamium

LAMIUM
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 MACULATUM
Lamium maculatum

'Anne Greenaway'

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

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

'Beacon Silver'

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

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

'White Nancy'

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

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

NEW Little Sunshine Mecardonia

MECARDONIA
Mecardonia hybrida

NEW Little Sunshine

Height: 4 to 6 in. (10 to 15 cm)
Spread: 14 to 18 in. (35 to 45 cm)
USDA Zones: to 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.

Direct-stick Callused Cuttings

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

Genesis™ Cuttings

All our osteos are also available as Genesis cuttings. For more information on Genesis cuttings, see pages 42-43.

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

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

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

Serenity™
Dark Purple

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

Traditional Unrooted Cuttings

Traditional URC on arrival

at 8 days

at 6 weeks

at 14 weeks

BLUE EYED BEAUTY

Eye-opening bicolor boosts early-season sales

GENESIS™

Blue Eyed Beauty

OSTEOSPERMUM
Osteospermum ecklonis

Blue Eyed Beauty

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

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

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

Also available as Genesis direct-stick cuttings.

Monique Hakkert
Marketing Manager

EYE-POPPING SHOW

"To draw out the eye in Blue Eyed Beauty, use a color-matching purple pot. The effect is dramatic and just screams Spring!"

OSTEOSPERMUM

SERENITY™

Low-stress production with high-interest color

REAL SERIES

GENESIS™

Spring Day

Deep Yellow

Serenity™

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

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

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

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

All varieties feature the same excellent branching.

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

Also available as Genesis direct-stick cuttings.

Pink Magic

Rose Magic

Lavender Frost

White

Lemonade

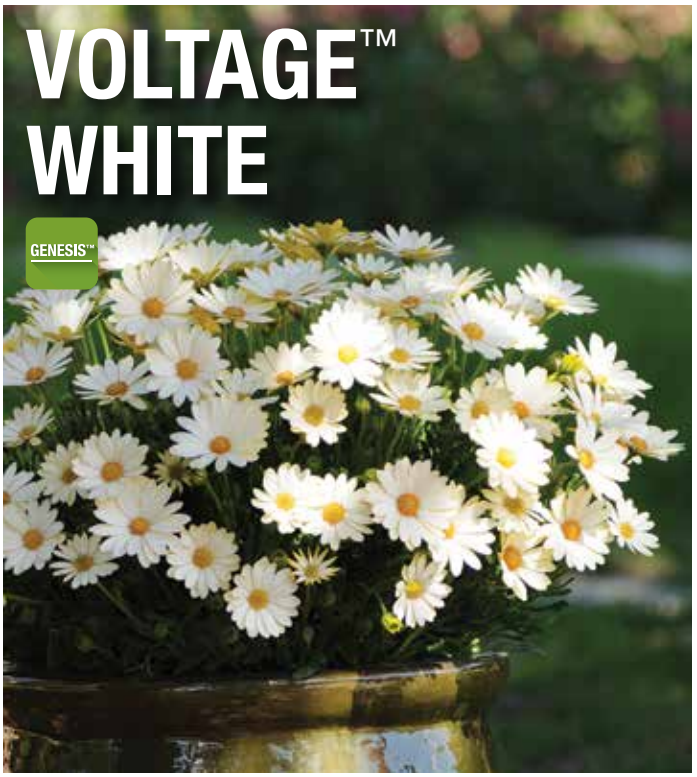
Spring Day

Bronze

Pink

Dark Purple

Red



Voltage White

OSTEOSPERMUM
Osteospermum hybrid

Voltage™ White

Height: 12 to 18 in. (30 to 45 cm)
Spread: 14 to 20 in. (35 to 50 cm)

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

Traditional daisy has white petals with a bright yellow center.

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

Also available as Genesis direct-stick cuttings.

Voltage™ Yellow

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

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

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

Needs fewer PGRs to produce naturally full and compact plants.

Ideal for large baskets, quarts and gallons.

Also available as Genesis direct-stick cuttings.

Voltage Yellow

FLASH MOB

MixMasters Eye Caramba contains Flash Mob Bluerific Petunia, Cabaret White Calibrachoa and Aztec Violet Wink Verbena

Pinkceptional

Redtastic

Bluerific

TRAILING PETUNIA
Petunia x hybrida

Flash Mob

Height: 10 to 16 in. (25 to 41 cm)
Spread: 20 to 30 in. (51 to 76 cm)

Superstar "morn" colors now in a vegetative trailing petunia!

Early flowering varieties have mounded/trailing habit and medium vigor.

Perfect for pots and hanging baskets.

PETUNIA

SUN SPUN®

Spin early-season selling gold from these compact performers

REAL SERIES

MixMasters A Grape Fit! contains Aztec Violet Verbena, Cabaret Hot Pink Calibrachoa and Sun Spun Lavender Star Petunia

Jason Twaddell
Product Representative

LEADING THE PACK

"The top 3 tips to produce Sun Spun in a 6-pack are:

1. Direct-stick with 70°F (21°C) bottom heat.
2. Use a 3,500 ppm Daminozide Spray 4-5 weeks after sticking.
3. Finish with ADT of 65°F (18°C), and high light at 10-20 mols."

Raspberry Star

Pink

White

NEW Neon Pink

Yellow

NEW Pink Ice

NEW Coral

Blue

Pink

Silver

Red

Burgundy

Lavender Star

Raspberry Star

Purple Star

Burgundy

MOUNDED TRAILING PETUNIA
Petunia x hybrida

Sun Spun®

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

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

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

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

Perfect for premium pots and in hanging baskets.

NEW Coral: Vibrant coral color adds another bold addition to the series.

NEW Neon Pink: Neon pink color addition extends the series.

NEW Pink Ice: Icy pink bloom with a dark center.

GLOW

Earn glowing reviews with these bright blooms

Rose Blush

Ocean Blue

Cappuccino

PETUNIA
Petunia x hybrida

Glow

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

Medium-vigor series is well-suited for gallon and larger production. The colors also make great additions to mixed containers and medium-size hanging baskets.

Early flowering.

Proven greenhouse performance under lower light and low temperature production.

Amethyst

Pink Morn

Picotee Blue

Fire

Bright Red

Blue Vein

Rose Stardust

Hot Pink

Blue Stardust

Purple

Snowy White

Lavender Shades

Rose Blush

Sky Blue

Peach Morn

Fluor Rose

TRAILING PETUNIA

SUNCATCHER™

Bigger vigor to catch early sales

Plum Burst

Plum Burst

White

Yellow

Vintage Rose

Hot Pink

Purple Rose

Burgundy

Red

Blue Burst

Midnight Blue

TRAILING PETUNIA
Petunia x hybrida

Suncatcher™

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

More vigorous line is fast and uniform, with early flowering and low energy input.

Wide color range.

Excellent powdery mildew tolerance – clean foliage.

Perfect for mixed combos, premium baskets and container programs.

NEW ColorRush™

Exploding color for landscapes and large baskets

NEW Pink

Gail Shaffer
Breeder

TRIED AND TRIED AGAIN FOR LANDSCAPE SUCCESS

"As part of our selection process at Ball FloraPlant, we perform multiple trials of plants we are looking to introduce before they are launched. We make sure they will perform for growers and their customers the same way they perform for us. So, after intense trialing in the ground in various climates, these trial photos show that ColorRush Petunias live up to their promise—to provide huge mounds of vibrant color."

ColorRush Pink trialed in the ground.

NEW Pink Star

NEW Pink

NEW Blue

PETUNIA
Petunia x hybrida

New ColorRush™

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

This new series is notable for big vigor and big garden performance.

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

Mounds of color hold up in the heat and rain.

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

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

SUPERCAL®

Best of petunias and calibrachoas combined

Neon Rose and Blue

PETCHOA
Petunia (Intergeneric hybrid)

SuperCal®

Height: 12 in. (30 cm)
Spread: 15 in. (38 cm)

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

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

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

Excellent heat tolerance and weather recovery.

SuperCal now offers a new 3-color mix that has 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 this sensational color combo.

NEW Garden Magic Mix contains Blue, Light Yellow and Cherry Petchoa.

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

SUPERCAL.
The All Weather Petunia™

New Garden Magic Mix

Light Yellow

Salmon Glow

Artist Rose

Blushing Pink

Pink Ice

Neon Rose

Violet

Terracotta

Cherry

Velvet

Purple

Pink

Blue

Cha-Ching Cherry

Pinstripe

Black Magic

Phantom

Cascadias Indian Summer

Lime Light

PETUNIA
Petunia x hybrida

Cha-Ching Cherry

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

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

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-striping blooms with excellent flower form and a controlled, mounded, trailing habit.

Pinstripe

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

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

Phantom

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

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

Cascadias™ Indian Summer

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

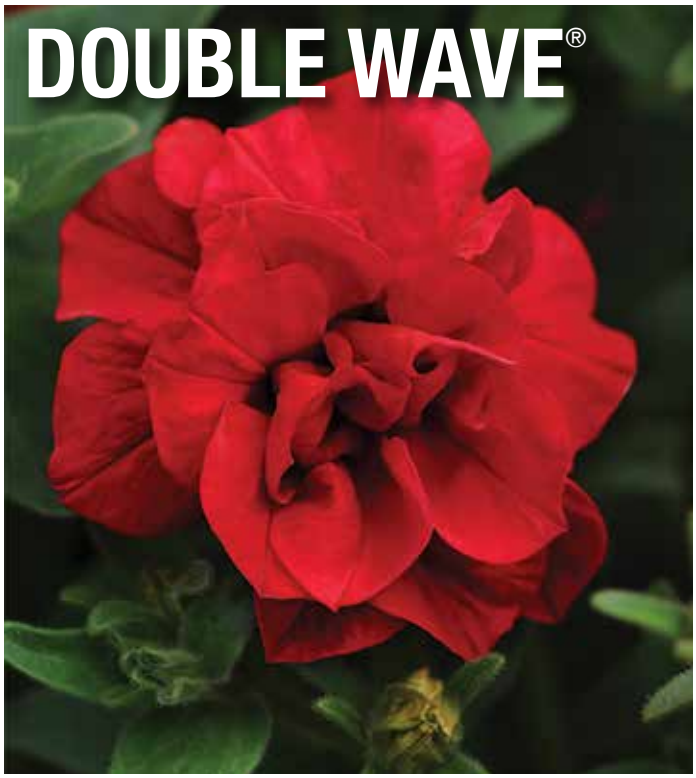
Striking blooms open orange and mature to salmon pink – sure to drive impulse sales. Well-branched habit is ideal for 12-in. (30-cm) hanging baskets and patio pots. Unique color option pairs with excellent garden performance.

Lime Light

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

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

Ragtime



Double Wave Red

Rhythm and Blues

TRAILING PETUNIA
Petunia x hybrida

Ragtime

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

Excellent purple and white picotee flowered petunia pairs nicely with Rhythm and Blues. Early-flowering variety has a trailing, vigorous habit for dramatic displays in hanging baskets at retail and in the garden.

Rhythm And Blues

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

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

Double Wave Pink

Double Wave Rose

Double Wave White

Double Wave Blue Vein

Double Wave Purple

Double Wave Blue Velvet

SPREADING DOUBLE PETUNIA
Petunia x hybrida

Double Wave®

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

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

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 wider color array. Very free-flowering, well-branched plants are economical and easy to produce. Compact, upright, fragrant plants.

A "2 for 1" series – pay for one unrooted cutting, get two to plant. See inside back cover.

PLECTRANTHUS
Plectranthus coleoides

Nico

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

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

Nicolleta

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

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

Variegata

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

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

SCAEVOLA
Scaevola hybrid

Brilliant

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

Well-branched plants with medium, controlled vigor won't fall apart in final stages of production. Habit complements White Sparkle. Also available as Genesis direct-stick cuttings.

BRILLIANT is bred by J&H Westhoff Interpel.

White Sparkle

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

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

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

SCAEVOLA
Scaevola aemula

Bondi™

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

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

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

Blue Fan

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

Trailing variety is well-suited to baskets, containers and landscapes. Also available as Genesis direct-stick cuttings.

Bondi Blue Scaevola

Aromatica White Nemesia

Bondi White Scaevola

Aromatica Royal Blue Nemesia

Aromatica Rose Pink Nemesia

Nicolleta Plectranthus

Variegata Plectranthus

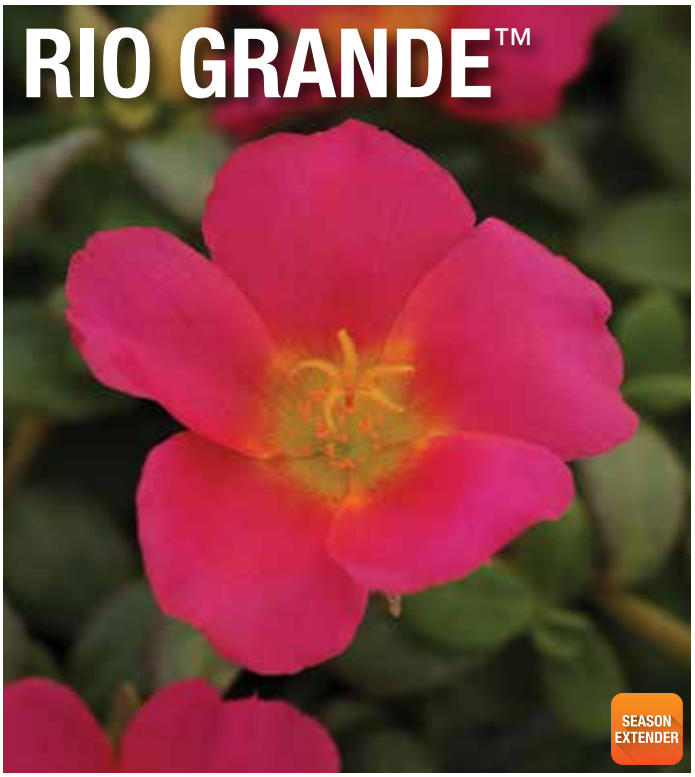
Nico Plectranthus

Blue Fan Scaevola

Brilliant Scaevola

White Sparkle Scaevola

RIO GRANDE™

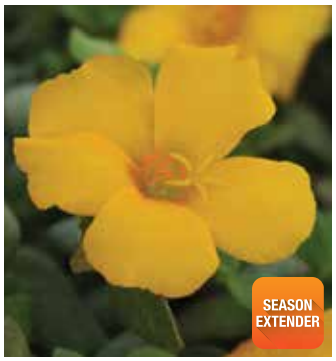


Río Grande Magenta Purslane

Río Grande Orange Purslane

Río Grande Scarlet Purslane

Río Grande White Purslane



Río Grande Yellow Purslane

Fairytales Cinderella Purslane

Magilla Purple Perilla

Mona Lavender Plectranthus

PURSLANE
Portulaca oleracea

Rio Grande™

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

All-new genetics produce varieties that are 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.

Portulaca grandiflora

Fairytales Cinderella

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

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

PERILLA
Perilla frutescens

Magilla® Purple

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

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

PLECTRANTHUS
Plectranthus x hybrida

Mona Lavender

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

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

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

Kirstenbosch National Botanical Garden SOUTH AFRICA

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

Persian Shield Strobilanthes

Black & Blue Salvia

Mystic Spires Blue Salvia

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, Persian Shield works well in mixed containers, baskets and window boxes.

SALVIA
Salvia longispicata X farinacea

Mystic Spires Blue

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

Covered with true blue flowers all season…2009 Texas Superstar Variety. A premium variety that can command a higher price point. The sturdy, dark green-leafed 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.

Salvia guaranitica

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.

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 & Bloom Salvia

Black & Blue (left) and Black & Bloom Salvia (right)

Lemon Star

Arizona Glow

Lemon Star

Orange Wonder

THUNBERGIA
Thunbergia alata

Sunny™

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

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

VERBENA

ENDURASCAPE™

Color that won't quit

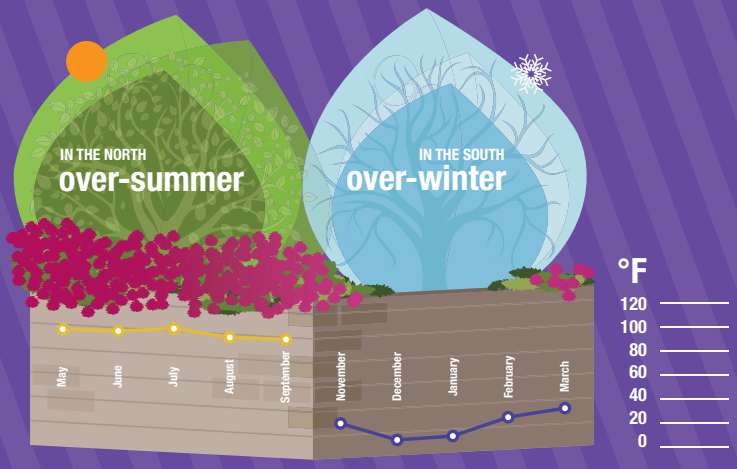
SEASON EXTENDER

Blue

Kris Carlsson
Product Launch and Assortment Manager

THE TOUGHER VERBENA

"This breakout landscape verbena battles extremes – stays in flower and keeps its color longer in the heat. Plus, it's the first verbena series that's hardy to the low teens (Zone 7b) and reblooms in Spring. EnduraScape's cold hardiness allows for it to be brought outside earlier in the season. Definitely tougher than the rest."



NEW Pink Bicolor

NEW Pink Bicolor trialed in the ground

NEW Pink Bicolor

NEW Purple Improved

White Blush

NEW Magenta

Blue

Hot Pink

Dark Purple

Red

VERBENA
Verbena peruviana

EnduraScape™

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

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

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

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

Excellent powdery mildew resistance.

NEW Magenta: Extends the series with a vibrant color.

NEW Pink Bicolor: Adds a novelty to the series with a bright pink flower and white edges.

NEW Purple Improved: Offers better branching.

AZTEC®

Legendary color for baskets and combos

MixMasters Berry Basket contains Sun Spun Burgundy Petunia, Aztec Burgundy Wink Verbena and Cabaret White Calibrachoa

VERBENA
Verbena peruviana

Aztec®

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

Excellent powdery mildew resistance – needs fewer chemical applications.

Fast off the bench and on to retail shelves.

Expanded color range for easy “one-stop” shopping.

Performs beautifully in baskets, mono and mixed containers.

Violet Wink

White

Coral

Pink

Lavender

Wild Rose

Red Velvet

Dark Red

Burgundy Wink

Violet Wink

Violet

Blue Velvet

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

Foliage detail

AZTEC MAGIC™

NEW Red

White

Silver

Orchid

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

The best trailing verbenas.

Distinguished by their fine, serrated foliage, the bright and colorful plants thrive in heat and sun.

Delivers a quick crop time, uniform flowering and the same exceptional powdery mildew resistance as Aztec.

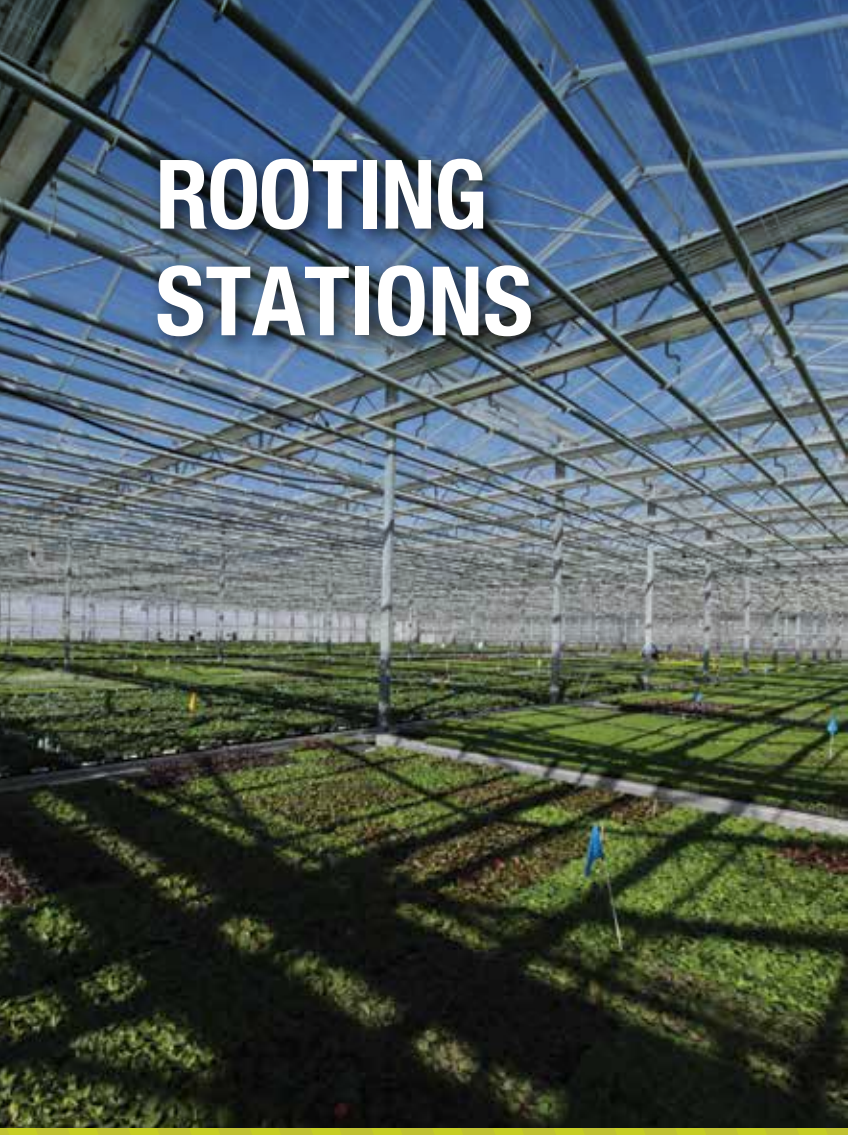
Ideal for early to mid-season pots and baskets.

NEW Red: A strong red expands the series.

Magenta

Purple

Plum



ROOTING STATIONS

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

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

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

MARYLAND
Greenstreet Growers
Lothian, Maryland (SG, MM)

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

Tuinier Brothers Greenhouses
Kalamazoo, Michigan (GE, SG)

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

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

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

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

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

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

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

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

CANADA

BRITISH COLUMBIA
West Coast Floral – Surrey (GE)

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

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

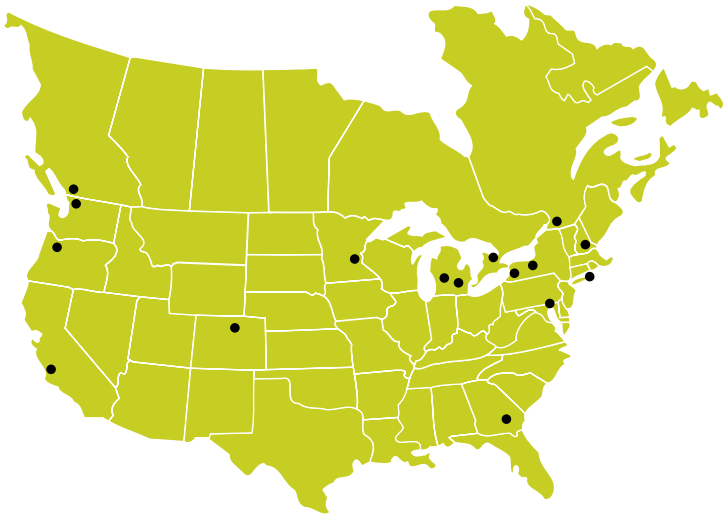
GE = Geraniums
SG = Specialty Garden Plants
MM = MixMasters Multiliners

TOP QUALITY. ON TIME. YOUR COMPLETE ORDER.

Every Ball FloraPlant liner you order is grown and shipped to you by one of the top-rated members of the Ball Regional Supplier Network.

- **Highest order fill rate:** We work with our suppliers to ensure **99%** of our orders are filled on time, with highest quality and in full.
- **87% of orders** are shipped via our suppliers' climate-controlled truck delivery system.
- This is the **most economical and efficient** way to receive your order.
- **Top-quality, always-fresh liners** are delivered to your door when you need them.

Check instant up-to-the-minute availability and place your order for all Ball FloraPlant products 24-7 with Ball WebTrack® at **ballseed.com**, or contact your Ball Seed sales rep.



Ball Seed Sales Reps

PACIFIC

If you have any questions regarding the Ball Seed sales rep serving your area, please call **800 879-BALL** today for more information.

Jim Kennedy

Director of North American Sales

Ron Brum

Regional Sales Director

John Alexander

Arroyo Grande, CA
805 720-0654
Fax: 866 634-9595
jalexander@ballhort.com
Central California – Peninsula and South Bay to Santa Barbara and east to the Sierra Nevadas

John Crisp

Wilsonville, OR
541 604-0533
Fax: 630 520-9157
jcrisp@ballhort.com
Western and Central Oregon

Brian Harned

Temecula, CA
951 312-9463
Fax: 630 520-9102
bharned@ballhort.com
California – Orange, Riverside and San Bernardino Counties; Hawaii

Don Humphries

St. George, UT
435 668-3306
Fax: 630 520-9103
dhumphries@ballhort.com
Arizona; Eastern Nevada; Utah; far western counties of Wyoming

Miriam Levy

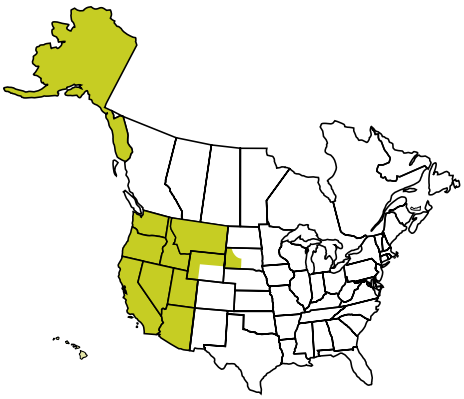
Carlsbad, CA
760 929-0681
Fax: 760 929-0684
Cellular: 760 522-1899
mlevy@ballhort.com
California – San Diego and Imperial Counties

Jose Sanchez

Anaheim, CA
805 223-1785
Fax: 630 520-9118
jsanchez@ballhort.com
California – Kern, Kings, Los Angeles, Tulare and Ventura Counties in the south; North Bay and Northern California; Western Nevada

David R. Sontag

P.O. Box 129
Nine Mile Falls, WA 99026
509 599-0281
Fax: 630 520-9124
dsontag@ballhort.com
Alaska; Idaho; Montana; Eastern Oregon; Western South Dakota; Eastern Washington; Northern Wyoming



Craig Yoshida

Redmond, WA
425 836-4550
Fax: 630 520-9134
Cellular: 503 481-7680
cyoshida@ballhort.com
Western Washington

MIDWEST

Ron Brum

Regional Sales Director

Greg Bogart

537 Sunset Drive
Hartford, WI 53027
262 673-0266
Fax: 262 673-0160
gbogart@ballhort.com
Michigan's Upper Peninsula; Eastern Wisconsin

Coy H. Butner III

9625 Brightwater Dr.
Johnston, IA 50131
816 262-1865
Fax: 630 520-9090
cbutner@ballhort.com
Northern and Western Iowa; Northwestern Missouri; Eastern Nebraska

Bob Cashman

535 Rowena Curve
New Market, MN 55054
952 461-6501
Fax: 630 520-9091
Cellular: 612 978-3194
bcashman@ballhort.com
South Central and Southeastern Minnesota

Mike DeRee

922 W. Maywood Street
Wichita, KS 67217
316 258-0032
Fax: 316 462-5529
mderee@ballhort.com
Kansas; West Central and Southwestern Missouri; Central Nebraska

Russell K. Emerson

3526 10th Street South
Fargo, ND 58104
701 297-5911
Fax: 630 520-9096
Cellular: 701 261-1175
remerson@ballhort.com
North Dakota; Eastern South Dakota; Northern and Western Minnesota; Northwestern Wisconsin

Derek Schrof

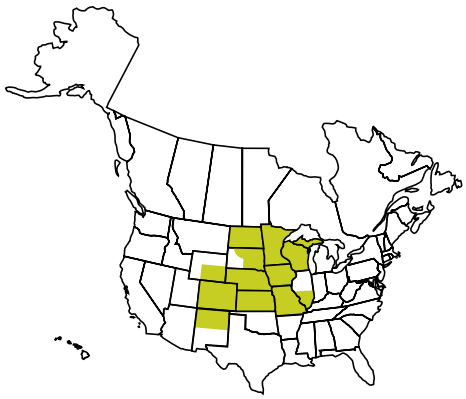
3042 Bella Vista Ct.
Highland, IL 62249
618 654-4574
Fax: 630 520-9121
dschrof@ballhort.com
Southern Illinois; Eastern Missouri

Tom Seery

1600 Red Oak Drive
Coralville, IA 52241
319 541-2809
Fax: 319 351-6951
tseery@ballhort.com
Eastern Iowa; Southwestern Wisconsin

Susan Stauber

Parker, CO
303 551-2515
Fax: 630 520-9127
sstauber@ballhort.com
Colorado; Western Nebraska; Northern New Mexico; Wyoming, except for western and northern counties



SOUTHWEST

Glenn Wilson

Regional Sales Director

Michele André

New Orleans, LA
504 554-9737
Fax: 630 520-9081
mandre@ballhort.com
Southern Louisiana;
Southern Mississippi

Maria Bolinger

1004 Falling Leaf Lane
Hendersonville, TN 37075
615 308-1049
Fax: 630 520-9088
mbolinger@ballhort.com
Western Kentucky;
Tennessee

Sabrina Childs

3950 CR 422
Ripley, MS 38663
662 587-5472
Fax: 630 520-9092
schilds@ballhort.com
Arkansas; Northern
Louisiana; Northern
Mississippi; Eastern
Oklahoma; Northeastern
Texas

George A. Freas

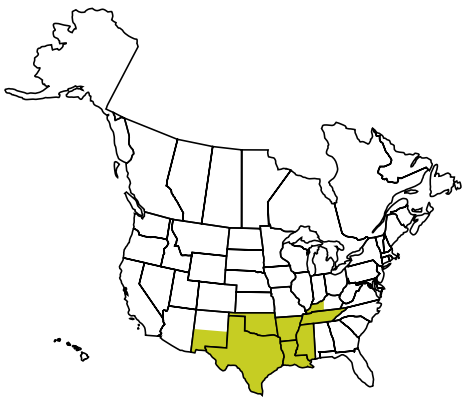
P.O. Box 1362
Glen Rose, TX 76043
254 897-3696
Fax: 254 897-3198
Cellular: 254 326-8144
gfreas@ballhort.com
Southern New Mexico;
Southwestern Texas

Susannah McCoy

Northlake, TX
940 391-6983
Fax: 630 520-9168
smccoy@ballhort.com
Western Oklahoma;
Texas – Dallas and
counties northwest to the
Oklahoma border, and
select counties east to the
Louisiana border

Bill Wilson

400 Juniper Trail
Kingsland, TX 78639
512 751-7351
Fax: 630 520-9132
bwilson@ballhort.com
South-Central Texas



GREAT LAKES

Yves Cournoyer

Regional Sales Director

Jason C. Adams

2325 Chartwell St.
Carmel, IN 46032
317 442-0778
Fax: 317 245-2100
jadams@ballhort.com
Indiana

Chris Bernacchi

Marysville, OH
937 644-5050
Fax: 630 520-9086
cbernacchi@ballhort.com
Central and Southwestern Ohio

Matt Freeman

5315 Angling Road
Portage, MI 49024
269 760-8616
Fax: 269 344-7941
mfreeman@ballhort.com
Southwestern Michigan

Doug Gortsema

222 Howard Ave.
Grand Haven, MI 49417
616 292-4886
Fax: 630 520-9101
dgortsema@ballhort.com
Northwestern section of Michigan's Lower Peninsula

Ginny Hodgson

114 S. Sunrise St.
Roanoke, IL 61561
217 801-0811
Fax: 630 520-9159
ghodgson@ballhort.com
Central and Northwestern Illinois

Clay Johnson

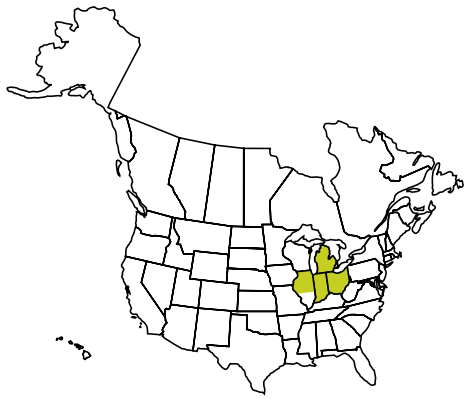
51279 Westwood Drive
Macomb, MI 48042
586 232-4446
Fax: 630 520-9152
Cellular: 810 459-4394
ClayJohnson@ballhort.com
Northeastern section of Michigan's Lower Peninsula

Sara Sturt

Swanton, OH
419 356-4240
Fax: 630 520-9073
ssturt@ballhort.com
Southeastern Michigan

Laura Thomas-Stachon

6N179 Old Farm Lane
St. Charles, IL 60175
630 945-3348
Fax: 630 945-3349
lthomas@ballhort.com
Chicagoland area of Illinois



NORTHEAST

Jerry Mahoney

Regional Sales Director
P.O. Box 329
Southbury, CT 06488
630 291-4176
Fax: 630 293-2549
jmahoney@ballhort.com
Fairfield County, Connecticut; New York – Rockland and Westchester Counties, Metropolitan New York City, Long Island

Lynne Blye

Epsom, NH
603 724-1361
Fax: 630 520-9149
lblye@ballhort.com
Maine; Essex County, Massachusetts; New Hampshire; Clinton, Essex, Franklin, Warren and Washington Counties, New York; Vermont

Andy Brown

4520 Crooked Hill Road
Harrisburg, PA 17110-3404
717 540-9709
Fax: 717 540-9756
Cellular: 717 579-7123
abrown@ballhort.com
Maryland panhandle; Central Pennsylvania; Eastern West Virginia; Frederick County, Virginia

John Jensen

Pittsford, NY
585 330-5751
Fax: 630 520-9104
jjensen@ballhort.com
Upstate New York, except Clinton, Essex, Franklin, Rockland, Warren, Washington and Westchester Counties

Bob Luczai

8 Gould Road
Bedford, MA 01730
508 935-8264
Fax: 781 275-8668
bluczai@ballhort.com
Eastern Massachusetts, except Essex County

Jeremy Mahoney

Westchester, PA
203 233-3634
Fax: 630 520-9137
jeremymahoney@ballhort.com
Southern New Jersey; Eastern Pennsylvania

Mitchell Rand

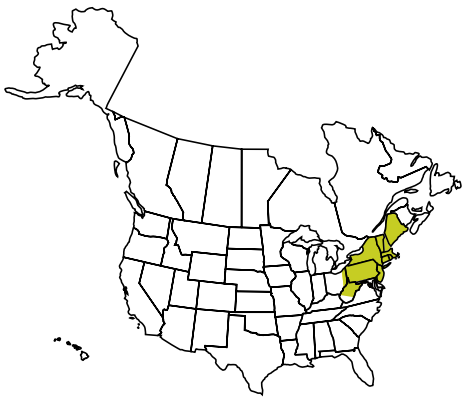
Guilford, CT
203 453-5567
Fax: 630 520-9080
Cellular: 203 506-7783
mrand@ballhort.com
Connecticut, except Fairfield County; Western Massachusetts; Rhode Island

Gene Stickley

Yardley, PA
610 952-1159
Fax: 215 750-1461
gstickley@ballhort.com
Northern and Central New Jersey

Ken Swimkosky

20 Schuler Lane
Coraopolis, PA 15108
412 264-0078
Fax: 412 264-0079
Cellular: 412 491-8175
kswimkosky@ballhort.com
Eastern Ohio; Western Pennsylvania; Northern West Virginia



SOUTHEAST

Glenn Wilson

Regional Sales Director

Ryan Brandt

Charlotte, NC
919 606-5560
Fax: 630 562-7990
rbrandt@ballhort.com
Western North Carolina; Central and Northeastern South Carolina

Chris Corwin

3700 Chaneyville Road
Owings, MD 20736
410 286-9774
Fax: 630 520-9093
Cellular: 301 366-3235 or 412 398-2762
ccorwin@ballhort.com
Delaware; Maryland, except the western panhandle; Delmarva Peninsula, Virginia; Washington DC

Matt Higgs

Cincinnati, OH
513 464-1355
Fax: 630 562-7622
mhiggs@ballhort.com
Eastern Kentucky; Western Virginia; Southern West Virginia

Nathan D. King

P.O. Box 6462
Athens, GA 30604
706 540-1613
Fax: 630 520-9106
nking@ballhort.com
Georgia; Northwestern and Southeastern South Carolina

John McBryde

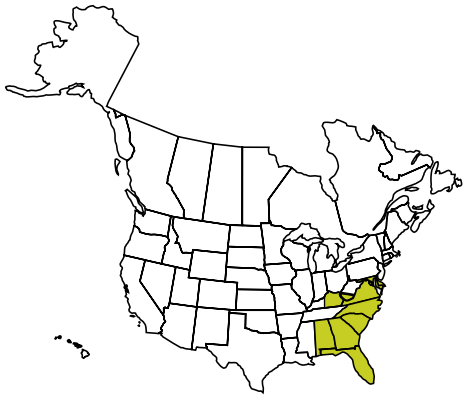
4351 Bell Road
Montgomery, AL
36116-2205
334 324-7399
Fax: 630 520-9111
jmcbryde@ballhort.com
Alabama; Florida, except Broward, Collier, Miami-Dade and Monroe Counties

Al Newsom

Raleigh, NC
919 832-9776
Fax: 630 520-9114
anewsom@ballhort.com
Florida—Broward, Collier, Miami-Dade and Monroe Counties; Eastern North Carolina

Peter Scherzer

2396 Manakintown
Ferry Road
Midlothian, VA 23113
804 363-5550
Fax: 804 897-4440
pscherzer@ballhort.com
Eastern Virginia, except Delmarva Peninsula and Frederick County



CANADA

Yves Cournoyer

Regional Sales Director

Brenda Bliss-Cooling

Beamsville, ON
289 668-2810
Fax: 630 520-9075
bbcooling@ballhort.com
Eastern portion of Ontario's Niagara Region

Mireille Bourgon

1051 Rte. 340
Saint-Telesphore, QC
J0P 1Y0
450 269-2580
Fax: 450 269-1004
mbourgon@ballhort.com
Northern and Eastern Quebec

Karen Brown

45947 Weeden Drive
Chilliwack, BC V2R 5X2
604 997-2737
Fax: 630 520-9107
kabrown@ballhort.com
Eastern Fraser Valley, Northern BC and Yukon

Carla Crofton

4883 42B Avenue
Delta, BC V4K 1A6
604 940-7002
Fax: 604 940-7069
ccrofton@ballhort.com
Vancouver (Lower Mainland); Okanagan and Kootenays, British Columbia

Max Epp, Jr.

36 Elite Road
Caledon, ON L7K 0L1
519 939-8110
Fax: 630 520-9097
mepp@ballhort.com
Eastern and Central Ontario

Rob Fransen

5260 252nd Street
Aldergrove, BC V4W 1T1
604 856-8333
Fax: 604 856-8360
rfransen@ballhort.com
Selected accounts in British Columbia

Duayne Friesen

165 Camirant Crescent
Winnipeg, MB R3X 1T1
204 253-8927
Fax: 630 520-9138
dfriesen@ballhort.com
Manitoba; Northwestern Ontario

Joey Gordon

P.O. Box 348
1846 Black River Road
Oxford, NS B0M 1P0
902 447-2211
Fax: 902 447-2251
jgordon@ballhort.com
Atlantic Provinces

Manon Lemieux

434 Felix Leclerc St.
Saint-Eustache, QC J7P 0A6
450 983-7042
Fax: 866 549-7210
Cellular: 514 799-5259
mlemieux@ballhort.com
Southwestern Quebec

Paul Philp

2934 Holland Rd.
Fonthill, ON L0S 1E6
905 892-1264
Fax: 630 520-9115
Cellular: 905 687-2641
pphilp@ballhort.com
Western portion of Ontario's Niagara Region

James Robertson

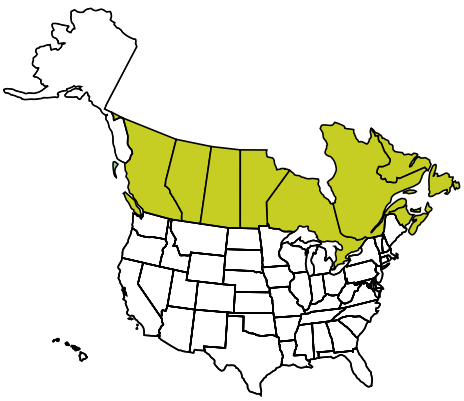
10793 McSween Road
Chilliwack, BC V2P 6H5
604 792-0477
Fax: 604 792-0887
jrobertson@ballhort.com
Eastern Fraser Valley, British Columbia

John Van Beveren

388 Park Ridge Place
Qualicum Beach, BC
V9K 2S6
250 668-8525
Fax: 630 520-9130
jvanbeveren@ballhort.com
Vancouver Island, British Columbia; Saskatchewan

Allan van Staalduinen

273 Strathcona Drive
Burlington, ON L7L 2C9
905 978-2255
Fax: 888 873-2212
astaalduinen@ballhort.com
Southwestern Ontario



Geoff Wood

100 Eastcott Drive
St. Albert, AB T8N 7G5
780 418-1769
Fax: 630 520-9133
Cellular: 780 218-3898
gwood@ballhort.com
Alberta

Product Forms

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

UNROOTED CUTTINGS
- Wide range of products from a single supplier…"one-stop shopping"
- Lowest input cost
- Cuttings arrive in-line in perforated bags for easy handling
- Guaranteed freight rates

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

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

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

STANDARD ROOTED LINERS
- 100% transplantable yield means reduced shrink
- Widest range of products available
- Truck delivery from the Ball Regional Supplier Network assures economical, efficient shipping – see more on our rooting stations on page 113. 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) 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 113

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 113

BALL FLORAPLANT LINERS

Bring in liners and benefit from a host of advantages, including more uniform rooting and finished product, fewer losses, reduced labor and materials, the ability to propagate in tighter spacing, no specialized expertise or facility needed for handling, and an easy fit to current production methods.

We offer five profit-building solutions, all of them versatile enough for 4-in. (10-cm) programs to large container and mixed combo programs.

PROPAGATION GUIDE

Crop	Tray Size(s) (cells/tray)	Rooting Hormone	Average Days with Mist	Pinch	Average Propagation Time (weeks)	Comments
ALTERNANTHERA	50, 72, 84, 105	No	6-8	Yes	3-4	Pinch to improve branching.
ANGELONIA	50, 72, 84, 105	No	7-9	Yes	3-4	Avoid stretch. Pinch 18-21 days after sticking.
ARGYRANTHEMUM	50, 72, 84, 105	No	4-7	No	3-4	Avoid water stress.
BACOPA (SUTERA)	50, 72, 84, 105	No	6-8	Yes	3	Stick 2 cuttings 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. Stick 2 cuttings per cell.
BRACTEANTHA	50, 72, 84, 105	No	6-9	No	3	Reduce mist as soon as possible.
CALIBRACHOA	50, 72, 84, 105	No	6-8	Yes	3-4	Avoid wide fluctuations in soil moisture. Apply preventive fungicide drench at 18-21 days after sticking.
COLEUS	50, 72, 84, 105	No	4-6	No	2-3	Avoid stretch. Transplant on time. A B-Nine spray (1,500-2,000 ppm) 10-12 days after stick can help to reduce stem elongation.
CUPHEA	50, 72, 84, 105	No	6-8	Yes	3-4	Stick 2 cuttings per cell for Allyson Heather.
DIASCIA	50, 72, 84, 105	No	6-9	Yes	3-4	Stick 2 cuttings per cell.
ERYSIMUM	32, 50, 72, 84, 105	Yes	7-9	Optional	4-8*	Avoid saturated media.
EUPHORBIA HYPERICIFOLIA	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 preventive fungicide spray after sticking. Reduce mist as soon as possible.
GAURA	32, 50, 72, 84, 105	No	6-9	Yes	4-9*	Pinch 14-21 days after sticking.
GERANIUM, IVY	See Comments	Optional (increases uniformity/ speed of rooting)	9-13	No	4-5	Stick immediately upon arrival. Geraniums are best rooted in media in strip form to allow for maximum airflow and avoid foliage overlap. Ivy geraniums require 25-30% less mist in propagation compared to zonals. Propagate under separate mist programs. Remove flower buds at transplanting.
GERANIUM, ZONAL	See Comments	Optional (increases uniformity/ speed of rooting)	9-12	No	3-4	Stick immediately upon arrival. Geraniums are best rooted in media in strip form to allow for maximum airflow and avoid foliage overlap. After initial rehydration, careful misting is required to optimize callus and root initiation. Mature leaves should show slight wilting at midday and regain turgor in the late afternoon under ideal mist conditions. Leaf petiole wilting indicates undermisting. Overmisting leads to *Botrytis*. Remove flower buds at transplanting.
HELICHRYSUM	50, 72, 84, 105	Optional	7-10	Optional	3-4	Propagate in low-volume mist group. Avoid high feed on foliage. High-humidity tents are effective. Pinch as needed to shape plants or hold crop.
HELIOTROPE	50, 72, 84, 105	Optional	6-9	No	3-4	Stick immediately upon arrival. Apply preventive fungicide spray after sticking. Reduce mist as soon as possible.
HIBISCUS	50, 72, 84, 105	Optional	6-8	Yes	3-4	Pinch liners to improve branching.
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 preventive fungicide spray after sticking. Reduce mist as soon as possible. Scout regularly for *Botrytis*.
SUNPATIENS® IMPATIENS; COMPACT, SPREADING AND VIGOROUS	50, 72, 84, 105	No	6-8	No	3	Reduce mist as soon as possible to reduce stretch. Transplant on time.

Crop	Tray Size(s) (cells/tray)	Rooting Hormone	Average Days with Mist	Pinch	Average Propagation Time (weeks)	Comments
IMPATIENS WALLERIANA	50, 72, 84, 105	No	5-8	No	3	Avoid saturated media. Reduce mist as soon as possible. To reduce stretch, transplant on time.
IPOMOEA	50, 72, 84, 105	No	3-4	Optional	3-4	Move rooted cuttings off of mist quickly to avoid stretch.
IRESINE	50, 72, 84, 105	No	4-7	No	3-4	Apply Bonzi spray 3-5 ppm on Blazin' Rose between Days 7 and 11 to control early stretch.
LAMIUM	32, 50, 72, 84, 105	No	6-9	Yes	3-4*	Reduce mist as soon as possible to reduce stretch. Transplant on time.
LANTANA	50, 72, 84, 105	Optional	7-11	Yes	4-5	Stick immediately upon arrival. Apply preventive fungicide spray after sticking.
LOBELIA	50, 72, 84, 105	Optional	6-9	Optional	4-5	Hormone will improve rooting. Pinch 18-21 days after sticking to improve branching.
LYSIMACHIA	32, 50, 72, 84, 105	No	6-9	Yes	3-4	Reduce mist as soon as possible to reduce stretch. Transplant on time.
MECARDONIA	105, 207	Yes, recommended but not required	6-8	Yes	4	Rooting hormone is recommended but not required.
NEMESIA	50, 72, 84, 105	No	6-9	Yes	3-4	Stick 2 cuttings per cell.
OSTEOSPERMUM	32, 50, 72, 84, 105	Yes	9-12	Optional	3-4	Maintain uniformity in mist and soil temperature. Do not allow cuttings to wilt. Pinch to increase branching.
PERILLA	50, 72, 84, 105	No	4-7	No	2-3	Avoid stretch. Reduce mist as soon as possible to reduce stretch. Transplant on time.
PETCHOA	50, 72, 84, 105	No	6-8	Yes	3-4	Avoid wide fluctuations in soil moisture. Apply preventive fungicide drench at 18-21 days after sticking.
PETUNIA	50, 72, 84, 105	No	6-9	No	3-4	Avoid stretch by moving crop to cooler air temperature in second and third weeks of propagation. Transplant on time.
PLECTRANTHUS	50, 72, 84, 105	No	6-10	Optional	3-4	Apply preventive 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 GUARANITICA	50, 72, 84, 105	No	6-9	Optional	3-6*	Pinch 14-18 days after sticking to improve branching.
SALVIA LONGISPICATA X FARINACEA	32, 50, 72, 84, 105	No	5-8	Optional	3-6*	Apply B-Nine (2,500 ppm) spray in propagation once between Day 9 and 11. Reapply after transplant if growing under long days.
SCAEVOLA	50, 72, 84, 105	Optional	7-10	Yes	3-4	Reduce mist as soon as possible. Maintain warm soil temperature to optimize rooting.
STROBILANTHES	50, 72, 84, 105	No	7-12	Optional	4-5	Pinch 18-21 days after sticking to improve branching. Allow root system to develop sufficiently before transplanting.
THUNBERGIA	50, 72, 84, 105	No	7-12	Yes	4-5	Stick immediately upon arrival. Spray immediately after sticking with a surfactant such as CapSil to help rehydrate unrooted cuttings. Use night mist for 7-8 days as needed. Avoid wilt during first 24-48 hours.
VERBENA	50, 72, 84, 105	No	6-9	Yes	3-4	Reduce and then eliminate mist as soon as possible. Apply preventive fungicide spray after sticking.

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

ANNUAL CULTURE GUIDE

Crop	Series/Variety	Soil pH	Light Levels (fc)	Temperature Day	Temperature Night	Fertilization (ppm N)	No. of Pinches
ALTERNANTHERA	**Red Threads**	5.8-6.2	4,000-8,000	74-85°F (23-29°C)	62-70°F (16-21°C)	175-225	1
ANGELONIA	**AngelMist®**	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-70°F (16-21°C)	175-225	0-2
ANGELONIA	**Archangel™**	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-70°F (16-21°C)	175-225	0-2
ARGYRANTHEMUM	**Madeira™, Butterfly**	5.8-6.2	6,000-9,000	65-79°F (18-26°C)	50-61°F (10-16°C)	225-300	0-1
ARGYRANTHEMUM	**Grandessa™**	5.8-6.2	6,000-9,000	65-79°F (18-26°C)	50-61°F (10-16°C)	225-300	0-1
BACOPA	**MegaCopa™, Scopia® Double, Scopia Gulliver**	5.4-5.8	4,000-8,000	65-76°F (18-24°C)	56-61°F (13-16°C)	175-225	1-2
BIDENS	**Bee Alive**	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (11-16°C)	175-225	1-3
BIDENS	**Sun Drop Improved, Sun Drop Compact, Sunbeam**	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	53-61°F (11-16°C)	175-225	1-3
BRACHYSCOME	**Amethyst, Enduring Blue**	5.8-6.2	5,000-9,000	65-73°F (18-22°C)	56-61°F (13-16°C)	175-225	0-1
BRACHYSCOME	**Radiant Magenta**	5.4-5.8	5,000-9,000	65-76°F (18-24°C)	62-67°F (16-19°C)	200-225	0-1
BRACTEANTHA (STRAWFLOWER)	**Basket Bon Bon, Dreamtime®**	5.8-6.2	5,000-8,000	65-76°F (18-24°C)	56-61°F (13-16°C)	175-225	0-1
CALIBRACHOA	**Cabaret®, Can-Can®**	5.4-5.8	5,000-8,000	71-76°F (21-24°C)	50-58°F (10-14°C)	225-300	1-2
CALIBRACHOA	**Conga™**	5.4-5.8	5,000-8,000	71-76°F (21-24°C)	50-58° F (10-14° C)	225-300	1-2
COLEUS	**FlameThrower™, Florida Sun Rose, Lava Rose, Burgundy Wedding Train**	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-2

Crop Time from Rooted Cutting*

4 to 5-in. (10 to 13-cm) Pots	6-in. (15-cm) Pots, Gallons	10 to 12-in. (25 to 30-cm) Pots or Baskets	Plant Growth Regulators (S) spray (D) drench	Pests	Diseases	Comments
1 ppp / 6-8 weeks	1-2 ppp / 8-10 weeks	3-5 ppp / 10-12 weeks	Generally not needed. B-Nine(S) 2,500 ppm can be effective.	Spider mites	None	Pinch for better branching and shape.
1 ppp / 4-6 weeks	1-3 ppp / 7-9 weeks	3-5 ppp / 10-12 weeks	Generally not needed. B-Nine(S) 1,500-3,000 ppm and Cycocel 750-1,000 ppm tank mix(S). Avoid Florel use.	Whitefly, caterpillars	Root rot, *Botrytis*	High light will significantly improve plant quality by encouraging branching, earlier flowering and the ideal plant habit growth. Best-suited to mid to late Spring and Summer programs.
1 ppp / 5-8 weeks	1-3 ppp / 7-9 weeks	3-5 ppp / 10-12 weeks	Generally not needed. B-Nine(S) 1,500-3,000 ppm and Cycocel 750-1,000 ppm tank mix(S). Avoid Florel use.	Whitefly, caterpillars	Root rot, *Botrytis*	High light will significantly improve plant quality by encouraging branching, earlier flowering and the ideal plant habit growth. Best-suited to mid to late Spring and Summer programs.
1 ppp / 6-9 weeks	1-3 ppp / 7-10 weeks	3-5 ppp / 9-12 weeks	B-Nine 1,500-2,000 ppm and Cycocel 750-1,000 ppm tank mix(S) or Bonzi(D) 2-5 ppm to control growth.	Whitefly, leafminers, aphids	Root rot, *Botrytis*	High light and cool temperatures produce high-quality plants.
1 ppp / 6-9 weeks	1-3 ppp / 7-10 weeks	3-5 ppp / 9-12 weeks	B-Nine 1,500-2,000 ppm and Cycocel 750-1,000 ppm tank mix(S) or Bonzi(D) 2-5 ppm to control growth. White is more vigorous and requires more Bonzi, while Pink is more compact and requries less Bonzi.	Whitefly, leafminers, aphids	Root rot, *Botrytis*	After transplanting, allow plants to become established for 2-3 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.
1-2 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.
1 ppp / 5-7 weeks	2-3 ppp / 6-8 weeks	4-5 ppp / 6-9 weeks	PGR is generally not needed, as the genetic is genetically compact. Bee Alive responds well to B-Nine applications at rates below 2,500 ppm.	Fungus gnats	Root and stem rot	Pinch for better branching and shape.
1 ppp / 5-7 weeks	2-3 ppp / 6-8 weeks	4-5 ppp / 6-9 weeks	B-Nine(S) 2,500 ppm. Also responds to Sumagic(S) 3-5 ppm or Sumagic(D) 0.25 ppm.	Fungus gnats	Root and stem rot	Pinch for better branching and shape.
1 ppp / 4-6 weeks	2-3 ppp / 6-8 weeks	4-5 ppp / 12-14 weeks	Generally not needed. Enduring Blue is more naturally compact than Amethyst.	Thrips, whitefly	*Botrytis, Thielaviopsis*	Cool temperatures and high light will produce the best habit. Amethyst is best-suited for larger finish containers (1 gallon and up), while Enduring Blue is compact and suitable for finish containers up to 1 gallon.
1 ppp / 4-6 weeks	1-2 ppp / 6-8 weeks	4-5 ppp / 12-14 weeks	Generally not needed. Grow plants under high light with warm temperatures to achieve the best quality.	Thrips, whitefly	*Botrytis*	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 / 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.

* ppp=plants per pot
** Perennial varieties that can be grown cold without treatment for Spring and Summer sales.

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Crop	Series/Variety	Soil pH	Light Levels (fc)	Temperature Day	Temperature Night	Fertilization (ppm N)	No. of Pinches
COLEUS	**Campfire, Coleosaurus, Electric Lime®, French Quarter, Henna, Indian Summer, Inferno, Mint Mocha, Special Effects, Redhead, Ruby Slipper, Trusty Rusty, Vino, Wasabi**	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-2
CUPHEA	**Allyson Heather**	5.4-5.8	6,000-12,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
CUPHEA	**Firecracker**	5.4-5.8	6,000-12,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
DIASCIA	**Juliet™, Romeo™**	5.8-6.2	5,000-8,000	62-76°F (16-24°C)	35-52°F (1-11°C)	175-225	1-2
ERYSIMUM	**Apricot Twist**	5.8-6.2	5,000-9,000	62-67°F (16-19°C)	56-61°F (13-19°C)	175-225	0-1
EUPHORBIA HYPERCIFOLIA	**Breathless®**	5.8-6.2	6,000-9,000	65-76°F (18-24°C)	59-67°F (15-19°C)	175-225	1
EVOLVULUS	**Blue Daze**	5.8-6.2	5,000-9,000	74-79°F (23-26°C)	59-64°F (15-17°C)	175-225	1-2
GAURA LINDHEIMERI**	**Belleza™**	5.8-6.2	5,000-9,000	71-76°F (21-24°C)	56-61°F (13-16°C)	175-225	1-2
GERANIUM, IVY	**Focus™**	5.8-6.2	2,500-4,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	1-2
GERANIUM, IVY	**Precision™**	5.8-6.2	2,500-4,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	1-2
GERANIUM, ZONAL	**Allure™**	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	0
GERANIUM, ZONAL	**Dynamo™**	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	0
GERANIUM, ZONAL	**Fantasia®**	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	0
GERANIUM, ZONAL	**Presto™**	6.2-6.6	3,500-6,000	65-76°F (18-24°C)	62-67°F (16-19°C)	225-300	0
HELICHRYSUM	**Licorice, Silver Star**	5.8-6.2	4,000-9,000	65-76°F (18-24°C)	50-61°F (10-16°C)	175-225	1-2
HELIOTROPE	**Marine**	5.8-6.2	5,000-9,000	71-76°F (21-24°C)	50-61°F (10-16°C)	175-225	1-2
HIBISCUS	**Little Zin**	5.8-6.2	6,000-10,000	74-85°F (23-29°C)	62-70°F (16-21°C)	175-225	1-2
IMPATIENS, COMPACT, SPREADING AND VIGOROUS	**SunPatiens®**	5.8-6.2	4,000-9,000	68-79°F (20-26°C)	59-64°F (15-17°C)	75-150	0

Crop Time from Rooted Cutting*

4 to 5-in. (10 to 13-cm) Pots	6-in. (15-cm) Pots, Gallons	10 to 12-in. (25 to 30-cm) Pots or Baskets	Plant Growth Regulators (S) spray (D) drench	Pests	Diseases	Comments
1 ppp / 5-7 weeks	1-3 ppp / 6-8 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	—	Pinch early to shape. Scout plants regularly for whitefly. Avoid crowding at all stages.
1-3 ppp / 6-8 weeks	2-5 ppp / 7-9 weeks	3-6 ppp / 10-12 weeks	None	Whitefly, aphids	Botrytis, Root rot	Pinch as needed to shape. Fertilize regularly. Crop times will be shortest under high light.
1-2 ppp / 6-8 weeks	1-2 ppp / 7-9 weeks	3-5 ppp / 10-12 weeks	None	Whitefly, aphids	*Botrytis,* Oedema, Root rot	Pinch as needed to shape. Keep soil moderately dry and maintain adequate air circulation during finishing to avoid Oedema. Fertilize regularly. Crop times will be shortest under high light.
1 ppp / 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 and Romeo Diascia will generally require little, if any, PGRs.
1 ppp / 7-10 weeks	1-2 ppp / 8-12 weeks	3-5 ppp / 14-17 weeks	Generally not needed. Growing under high light and cooler temperatures is the most effective way to control growth and improve plant habit.	Whitefly, aphids	Root and stem rot	Erysimum will start to flower from mid-Spring (in milder climates) to early Summer (in northern areas).
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.	—	—	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 / 7-10 weeks	1-3 ppp / 9-12 weeks	3-4 ppp / 11-13 weeks	Use B-Nine(S) 3,000-4,000 ppm, Bonzi(S) 30-50 ppm or Sumagic(S) 15-30 ppm to control final plant height.	Whitefly, aphids	*Botrytis*, Root rot	Pinch Gaura shortly after transplanting to encourage a full habit at flowering.
1 ppp / 8-10 weeks	1-2 ppp / 9-10 weeks	4-5 ppp / 11-13 weeks	Cycocel(S) 750-1,500 ppm to control growth; Florel(S) 200-300 ppm to improve branching. PGR generally not needed for basket production.	Fungus gnats, thrips, aphids, mites	*Botrytis*, Oedema, *Pythium, Xanthomonas*	Avoid drastic swings in soil moisture to reduce 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*	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*	Fantasia Geraniums usually do not require PGRs to produce high-quality plants.
1 ppp / 8-9 weeks	1-2 ppp / 9-10 weeks	4-5 ppp / 11-13 weeks	Generally not needed. Cycocel(S) 750-1,000 ppm to control growth; Florel(S) 200-300 ppm to improve branching.	Fungus gnats, thrips, aphids, mites	*Botrytis, Pythium, Xanthomonas*	Presto Geraniums usually do not require PGRs to produce high-quality plants. They are naturally compact, well-branched and early to flower.
1 ppp / 5-7 weeks	2-3 ppp / 7-9 weeks	3-5 ppp / 9-11 weeks	None	Fungus gnats, whitefly	Root rot	Avoid saturated media at any time. Pinch regularly to shape.
1 ppp / 6-7 weeks	1-2 ppp / 8-9 weeks	3-5 ppp / 10-12 weeks	Use B-Nine 1,500-3,000 ppm and Cycocel 750-1,000 ppm tank mix(S).	Whitefly, mites, aphids	Root rot	Cool temperatures and high light will reduce or eliminate any need for plant growth regulators.
1 ppp / 6-8 weeks	1-2 ppp / 8-10 weeks	3-5 ppp / 10-12 weeks	Use of 1 to 3 applications of B-Nine 2,500 ppm recommended to tone finished plant habit.	Spider mites, whitefly	None	Provide high light to achieve the best foliage coloration.
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; 1,500 ppm; B-Nine/4 ppm Bonzi (med rate) for Spreading series.	Thrips, aphids, mites	Impatiens Necrotic Spot Virus, *Botrytis, Pythium*	Dry culture, low to moderate nutrition, and cool temperatures will promote toned plants.

* 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, 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	**Fiesta Bonita™**	5.8-6.2	4,000-6,000	68-76°F (20-24°C)	56-61°F (13-16°C)	175-225	0-1	
IMPATIENS, EXOTIC	**Fusion™**	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 (15-17°C)	175-225	0	
IMPATIENS, NEW GUINEA	**Celebrette, Clockwork™**	5.8-6.2	4,000-7,000	68-76°F (20-24°C)	59-64°F (15-17°C)	175-225	0	
IMPATIENS WALLERIANA	**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	
IPOMOEA	**Spotlight™, SolarPower™**	5.8-6.2	6,000-10,000	70-75°F (21-24°C)	65-70°F (18-21°C)	175-225	0-1	
IRESINE	**Blazin' Lime, Blazin' Rose**	5.8-6.2	4,000-7,000	71-79°F (21-26°C)	62-67°F (16-19°C)	175-225	1-2	
LAMIUM	**Jade Frost**	5.8-6.2	4,000-8,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2	
LAMIUM	**'Anne Greenaway', 'Beacon Silver', 'White Nancy'**	5.8-6.2	4,000-8,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2	
LANTANA	**Landmark™, Little Lucky™, Lucky™, Dallas Red, New Gold, Purple Trailing**	5.8-6.2	5,000-10,000	74-85°F (23-29°C)	62-67°F (16-19°C)	225-300	1-3	

Crop Time from Rooted Cutting*

4 to 5-in. (10 to 13-cm) Pots	6-in. (15-cm) Pots, Gallons	10 to 12-in. (25 to 30-cm) Pots or Baskets	Plant Growth Regulators (S) spray (D) drench	Pests	Diseases	Comments
1 ppp / 6-9 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. Fiesta Bonita Double Impatiens require 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 / 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 / 4-5 weeks	1 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	*Pseudomonas*	Avoid cold and wet conditions.
1 ppp / 7-9 weeks	2-3 ppp / 8-10 weeks	4-5 ppp / 10-13 weeks	Generally not needed. Responsive to Bonzi.	Whitefly	—	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 / 6-7 weeks	1-3 ppp / 7-8 weeks	3-6 ppp / 10-12 weeks	Lantana is responsive to a B-Nine 2,500-5,000 ppm and Cycocel 1,000-1,500 ppm tank mix(S) as well as Florel(S) 300-400 ppm, Bonzi(S) 20-40 ppm and Sumagic(S) 10-20 ppm. Little Lucky should not need growth regulators due to its naturally compact habit.	Whitefly, leafminer, aphids	Root rot	Allow plants to dry regularly between waterings. Pinch as needed to shape. Feeding at recommended levels will promote vigorous plants that will continue to actively grow and flower. Lucky varieties are naturally compact and free-branching, while Landmark varieties are more vigorous.

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LOBELIA	**Waterfall™**	5.8-6.2	5,000-8,000	71-76°F (21-24°C)	56-61°F (13-16°C)	175-225	1-2
LOBELIA	**Early Springs™**	5.8-6.2	5,000-8,000	71-76°F (21-24°C)	56-61°F (13-16°C)	175-225	1-2
LYSIMACHIA NUMMULARIA**	**Goldilocks**	5.8-6.2	4,000-8,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
MECARDONIA	**Little Sunshine**	5.5-6.0	3,500-6,000	68-77°F (20-25°C)	68°F (20°C)	150-200	2 for pot sizes over 6 in. (15 cm)
NEMESIA	**Aromatica™**	5.8-6.2	4,000-7,000	65-76°F (18-24°C)	35-52°F (1-11°C)	175-225	1-2
OSTEOSPERMUM	**Serenity™, Blue Eyed Beauty**	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	44-55°F (6-12°C)	225-300	1
OSTEOSPERMUM	**Voltage™ Yellow, Voltage White**	5.8-6.2	5,000-9,000	59-76°F (15-24°C)	44-55°F (6-12°C)	225-300	0-1
PERILLA	**Magilla® Purple**	5.8-6.2	4,000-10,000	74-85°F (23-29°C)	59-70°F (15-21°C)	175-225	0-1
PETCHOA	**SuperCal®**	5.4-5.9	5,000-8,000	60-70° F (16-21° C)	50-58° F (10-14° C)	200-250	1 or 2
PETUNIA	**Cascadias™ Indian Summer, ColorRush™, Double Wave®, Suncatcher™**	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	**Phantom, Pinstripe, Sun Spun®**	5.4-5.8	5,000-8,000	59-76°F (15-24°C)	53-61°F (11-16°C)	225-300	0-1
PETUNIA	**Glow**	5.4-5.8	5,000-8,000	59-76° F (15-24° C)	53-61° F (11-16° C)	225-300	0-1
PETUNIA	**Black Magic**	5.4-5.8	5,000-8,000	59-76° F (15-24° C)	53-61° F (11-16° C)	225-300	0-1

Crop Time from Rooted Cutting*

4 to 5-in. (10 to 13-cm) Pots	6-in. (15-cm) Pots, Gallons	10 to 12-in. (25 to 30-cm) Pots or Baskets	Plant Growth Regulators (S) spray (D) drench	Pests	Diseases	Comments
1 ppp / 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 / 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 / 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.	—	—	Lysimachia Goldilocks is grown primarily for its foliage.
1 ppp / 6-8 weeks	2-3 ppp / 6-8 weeks	5-6 ppp / 10-12 weeks	Plant Growth Regulators not needed when grown in high light.	Aphids, fungus gnats, slugs/ snails	Root and stem rot, *Botrytis*	Mecardonia is heat and drought tolerant in the landscape. Generally, finished production pots can be produced with little to no maintenance required.
1 ppp / 5-7 weeks	2-3 ppp / 7-9 weeks	3-4 ppp / 9-11 weeks	Grow cool and bright to improve habit. Nemesia is responsive to B-Nine(S) 2,500-4,000 ppm, Sumagic(S) 20-30 ppm, and Florel(S) 200-300 ppm.	Thrips, aphids, leafminer	Root rot	If grown cool and with high light levels, Aromatica will generally require little, if any, PGRs. Avoid water-logged media.
1 ppp / 10-13 weeks	2-3 ppp / 11-14 weeks	3-4 ppp / 11-15 weeks	Is responsive to B-Nine(S) 2,500-4,000 ppm alone or as a tank mix(S) with Cycocel 750-1,000 ppm. Bonzi(S) 15-30 ppm is also effective.	Aphids, whitefly, thrips	Root and stem rot, *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, pinch and 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	Blue, Purple, Terracotta, Velvet are high vigor. Artist Rose, Blushing Pink, Cherry, Neon Rose, Pink Ice, Violet are medium vigor. Cool temperatures and high light reduce need for PGR.
1 ppp / 6-8 weeks	2-3 ppp / 7-9 weeks	3-5 ppp / 9-12 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early; Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size.	Whitefly, thrips, leafminers	*Botrytis*, Root rot, Tobacco Mosaic Virus	Cool temperatures and high light will reduce or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency. Flowering will be best as days lengthen in late Spring and Summer. Daylength of more than 14 hours will hasten flowering.
1 ppp / 5-7 weeks	2-3 ppp / 6-8 weeks	3-5 ppp / 8-11 weeks	B-Nine(S) 1,500-2,500 ppm, applied 2-4 times, can be used to control habit early. Bonzi(D) 0.25-1.0 ppm applied as crop matures will control final height but not delay flowering or reduce flower size. 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 / 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 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 or eliminate any need for PGRs. Monitor regularly for high pH and possible iron deficiency.

* ppp=plants per pot
** Perennial varieties that can be grown cold without treatment for Spring and Summer sales.

ANNUAL CULTURE GUIDE

Crop	Series/Variety	Soil pH	Light Levels (fc)	Temperature Day	Temperature Night	Fertilization (ppm N)	No. of Pinches
PETUNIA	**Cha-Ching Cherry**	5.4-5.8	5,000-8,000	59-76° F (15-24° C)	53-61° F (11-16° C)	225-300	0-1
PETUNIA	**Ragtime**	5.8-6.2	5,000-8,000	59-76° F (15-24° C)	53-61° F (11-16° C)	225-300	0-1
PETUNIA	**Flash Mob**	5.4-5.8	5,000-8,000	59-76° F (15-24° C)	53-61° F (11-16° C)	225-300	0-1
PETUNIA	**Lime Light**	5.8-6.2	5,000-8,000	59-76° F (15-24° C)	53-61° F (11-16° C)	225-300	0-1
PETUNIA	**Rhythm and Blues**	5.8-6.2	5,000-8,000	59-76° F (15-24° C)	53-61° F (11-16° C)	225-300	0-1
PLECTRANTHUS	**Mona Lavender**	5.8-6.2	4,000-7,000	74-79°F (23-26°C)	59-64°F (15-17°C)	175-225	0-1
PLECTRANTHUS	**Nico, Nicolleta, Variegata**	5.8-6.2	5,000-8,000	71-79°F (21-26°C)	56-61°F (13-16°C)	175-225	1-2
PURSLANE	**Fairytales, Río Grande™**	5.8-6.2	5,000-10,000	71-79°F (21-26°C)	62-67°F (16-19°C)	225-300	1-2
SALVIA GUARANITICA	**Black & Blue, Black & Bloom**	5.4-5.8	6,000-9,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-2
SALVIA LONGISPICATA X FARINACEA	**Mystic Spires Blue**	5.8-6.2	6,000-10,000	71-79°F (21-26°C)	62-67°F (16-19°C)	175-225	1-2
SCAEVOLA	**Blue Fan, Bondi™, Brilliant, White Sparkle**	5.8-6.2	5,000-9,000	74-79°F (23-26°C)	59-64°F (15-17°C)	175-225	1-2
STROBILANTHES	**Persian Shield**	5.8-6.2	3,000-6,000	74-79°F (23-26°C)	59-64°F (15-17°C)	175-225	1-3
THUNBERGIA	**Sunny™**	5.8-6.2	5,000-8,000	71-79°F (21-26°C)	59-64°F (15-17°C)	175-225	1-3
VERBENA	**Aztec®, Aztec Magic™**	5.8-6.2	5,000-8,000	71-79°F (21-26°C)	62-64°F (16-17°C)	225-300	1-2
VERBENA	**EnduraScape™**	5.8-6.2	5,000-8,000	71-79°F (21-26°C)	62-64°F (16-17°C)	225-300	1-2

Crop Time from Rooted Cutting*

4 to 5-in. (10 to 13-cm) Pots	6-in. (15-cm) Pots, Gallons	10 to 12-in. (25 to 30-cm) Pots or Baskets	Plant Growth Regulators (S) spray (D) drench	Pests	Diseases	Comments
1 ppp / 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. First blooms in low light/short day will have less star; as crop matures, color pattern intensifies.
1 ppp / 6-8 weeks	1-3 ppp / 7-9 weeks	3-5 ppp / 9-12 weeks	Early applications of growth regulators are required. B-Nine 1,500-2,000 ppm/ Cycocel 750-1,000 ppm spray, Bonzi 2-3 ppm drench. Apply 2-3 times early in the crop cycle.	Whitefly, thrips, leafminers	*Botrytis*, Root rot, Tobacco Mosaic Virus	This is a vigorous variety that branches well. Early growth regulator applications help with tone and branching.
1 ppp / 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 / 5-7 weeks	2-3 ppp / 6-8 weeks	3-5 ppp / 8-11 weeks	Generally not needed.	Whitefly, thrips, leafminers	*Botrytis*, Root rot, Tobacco Mosaic Virus	This variety is extremely sensitive to growth regulators, and it is naturally well-branched and compact.
1 ppp / 6-8 weeks	1-3 ppp / 7-9 weeks	3-5 ppp / 9-12 weeks	Early applications of growth regulators are required. B-Nine 1,500-2,000 ppm/ Cycocel 750-1,000 ppm spray, Bonzi 2-3 ppm drench. Apply 2-3 times early in the crop cycle.	Whitefly, thrips, leafminers	*Botrytis*, Root rot, Tobacco Mosaic Virus	This is a vigorous variety that branches well. Early growth regulator applications help with tone and branching.
1 ppp / 6-8 weeks	1-2 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. Salvia Black & Blue 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	—	Regularly allow the media to dry moderately between waterings, especially in cool periods. Proper pinching and moderate feeding will improve habit and flowering.
1 ppp / 5-7 weeks	1-2 ppp / 7-8 weeks	3-5 ppp / 10-12 weeks	Generally not needed. Bonzi(D) 1-3 ppm or Bonzi(S) 20-40 ppm will control growth.	Whitefly	*Pythium*, *Rhizoctonia*	Scaevola prefers a well-drained soil. Allow the media to dry between waterings. Night temperatures lower than recommended will significantly slow the crop and lead to problems with root rot.
—	1-2 ppp / 8-10 weeks	3-5 ppp / 10-13 weeks	Generally not needed.	Whitefly	Root rot	Moderate light levels produce more colorful foliage. Pinch early to shape. Feed regularly to maintain growth.
1 ppp / 6-8 weeks	1-2 ppp / 7-9 weeks	4-5 ppp / 10-12 weeks	Generally not needed.	Mites, whitefly, thrips	Botrytis	Thunbergia is a warm-season crop that prefers night temperatures above 60°F (15°C). Pinch regularly to shape.
1 ppp / 5-7 weeks	1-3 ppp / 7-8 weeks	4-5 ppp / 10-13 weeks	Responsive to a B-Nine 2,500-3,500 ppm/Cycocel 750-1,000 ppm tank mix(S) and Florel(S) 250-300 ppm to control growth and improve plant habit.	Whitefly, leafminers, aphids	Root rot	Regularly allow plants to dry between waterings. Pinch as needed to shape.
1 ppp / 5-7 weeks	1-3 ppp / 7-8 weeks	4-5 ppp / 10-13 weeks	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.

* ppp=plants per pot
** Perennial varieties that can be grown cold without treatment for Spring and Summer sales.

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

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No cancellations or order reductions based on the schedule below. Exceptions to this policy will be reviewed on a case-by-case basis.
No cancellations within:
• 2 weeks of ship date for unrooted cuttings
• 4 weeks of ship date for Genesis cuttings
New/add-on orders: As always, new orders and order additions of unrooted cuttings are still possible within 2 weeks of ship date.

BFP Production: Floricultura, Guatemala; Las Limas, Nicaragua

Important Plant Protection and Licensing Information

Plant Protection

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Licensing

A Flowering-Only License is enclosed with the packing list of all orders of unrooted and rooted Ball FloraPlant varieties. By opening the box, customers signify agreement with the terms and conditions as stated on the Flowering-Only License. A copy of the Flowering-Only License is also available on our website as well as from Royalty Administration International® (RAI) in the U.S. at **800 472-4724.** RAI has been appointed as our licensing agent in the U.S.

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Flowering-Only Terms

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

Flowering-Only Licensed Varieties

COMMERCIAL NAME	VARIETY NAME
Angelonia	
AngelMist® Spreading Blue	Balangslu
AngelMist® Spreading Dark Purple	Balangsparkl
AngelMist® Spreading Pink	Balangbakin
AngelMist® Spreading White	Balangspri
Archangel™ Blue Bicolor	Balarclubi
Archangel™ Cherry Red	Balarcher
Archangel™ Dark Purple	Balarckle
Archangel™ Dark Rose	Balarcose
Archangel™ Light Pink	Balarclipi
Archangel™ Pink Improved	Balarcorpin
Archangel™ Purple	Balarcpur
Archangel™ Raspberry	Balarcaspim
Archangel™ White	Balarcwite
Argyranthemum	
Grandessa™ Pink Halo	Bonmax 9163
Grandessa™ Red	Bonmax 1354
Grandessa™ White	Bonmax 0983
Grandessa™ Yellow	Bonmax 1022
Madeira™ Crested Hot Pink	Bonmad 11277
Madeira™ Crested Merlot	Bonmadmerlo
Madeira™ Crested Violet	Bonmad 11276
Madeira™ Crested Yellow	Bonmadcrel
Madeira™ Deep Pink	Bonmadrosepi
Madeira™ Double White	Ohmadcama
Madeira™ Primrose	Bonmadprose
Madeira™ Red	Bonmadre
Madeira™ White	Bonmadwitim
Bacopa/Sutera	
MegaCopa™ Blue	Balmecoblu
MegaCopa™ Pink	Balmecopin
MegaCopa™ Sky Blue	Balmecosklu
MegaCopa™ Versa White	Balmecoversi
MegaCopa™ White	Balmecowite
Scopia® Double Indigo	Dcopdbindg
Scopia® Double Snowball	Dancop48
Scopia® Gulliver Blue	Dancop37
Scopia® Gulliver Dynamic White	Dancop40
Bidens	
Bee Alive	Bee Alive
Sunbeam	KLEBF07003
Sun Drop Compact	Sun Drop Compact
Sun Drop Improved	Sun Drop Improved
Brachyscome	
Enduring Blue	Enduring Blue
Radiant Magenta	Cherish
Bracteantha	
Basket Bon Bon	Sun Yellow Bon Bon
Dreamtime® Jumbo Pure White	Bondrepuho
Dreamtime® Jumbo Red	Bondre 11100
Dreamtime® Jumbo Rose	Bondre 1051
Dreamtime® Jumbo Yellow	Ohb003790
Calibrachoa	
Cabaret® Bright Red	Balcabrite
Cabaret® Deep Blue	Balcabdebu
Cabaret® Deep Yellow	Balcabdepy
Cabaret® Hot Pink	Balcabhopi
Cabaret® Lavender Improved	Balcablavim
Cabaret® Lemon Yellow	Balcablemy
Cabaret® Light Pink	Balcablinkim
Cabaret® Mango Tango	Balcabango
Cabaret® Orange	Balcaborg
Cabaret® Pink Star	Balcabinsta
Cabaret® Purple	Balcabpurim
Cabaret® Rose	Balcabrosim
Cabaret® Scarlet Improved	Balcabscarim
Cabaret® Sky Blue	Balabsklu
Cabaret® White	Balcabwhite
Can-Can® Apricot	Balcanapt
Can-Can® Dark Purple	Balcanark
Can-Can® Hot Pink Star	Balcanosar
Can-Can® Magenta Kiss	Balcanmiss
Can-Can® Neon Pink	Balcaneoni
Can-Can® Orange	Balcanoran
Can-Can® Pink Flamingo	Balcanpingo
Can-Can® Red Splash	Balcanrelas
Can-Can® Terracotta	Balcantera
Conga™ Coral Kiss	Balcongcriss
Conga™ Deep Yellow	Balcongdel
Conga™ Orange	Balcongor
Conga™ Pink Kiss	Balconginkiss
Conga™ Rose Kiss	Balcongosiss
Conga™ Sun Kiss	Balconguniss
Conga™ White	Balcongite
Coleus	
Burgundy Wedding Train	Kakegawa CE10
Campfire	UF12221
Coleosaurus	UF104512
Electric Lime®	UF04335
FlameThrower™ Chili Pepper	UF81910
FlameThrower™ Chipotle	UF12823
FlameThrower™ Habanero	UF9837
FlameThrower™ Spiced Curry	UF12735
French Quarter	UF134827
Henna	Balcenna
Indian Summer	Balcinsu
Inferno	UF13267
Lava Rose	Kakegawa CE1
Mint Mocha	Balcimoa
Redhead	UF0646
Ruby Slipper	UF13424
Trusty Rusty	UF06419
Vino	Balcovino
Wasabi	UF0843
Cuphea	
Firecracker	Firecracker
Diascia	
Juliet™ Light Pink	Baljulink
Juliet™ Orange	Baljulor
Juliet™ Pink with Eye	Baljulpiney
Juliet™ Red	Baljuled
Juliet™ White	Baljulite
Romeo™ Bright Pink	Balromink
Romeo™ Orange	Balromor
Romeo™ White	Balwinwite
Euphorbia	
Breathless® Blush	Balbreblus
Breathless® White	Balbrewite
Gaura	
Belleza™ Compact Light Pink	KLEGL06261
Belleza™ Dark Pink	KLEAU04263
Belleza™ White	KLEGL10716
Helichrysum	
Silver Star	Weshechrisisti
Hibiscus	
Little Zin	Little Zin
Impatiens, Compact	
SunPatiens® Compact Blush Pink	SAKIMP013
SunPatiens® Compact Coral Pink	SAKIMP042
SunPatiens® Compact Deep Rose	SAKIMP017
SunPatiens® Compact Electric Orange	SAKIMP025
SunPatiens® Compact Fire Red	SAKIMP039
SunPatiens® Compact Hot Coral	SAKIMP026
SunPatiens® Compact Lilac	SAKIMP012
SunPatiens® Compact Neon Pink	SAKIMP033
SunPatiens® Compact Orange	SAKIMP011
SunPatiens® Compact Orchid	SAKIMP041
SunPatiens® Compact Pink	SAKIMP019
SunPatiens® Compact Red	SAKIMP030
SunPatiens® Compact Royal Magenta	SAKIMP029
SunPatiens® Compact Tropical Rose	SAKIMP037
SunPatiens® Compact White	SAKIMP027
Impatiens, Double	
Fiesta™ Appleblossom	Balfieplos
Fiesta™ Burgundy	Balfiebur
Fiesta™ Deep Orange	Balfiedeor
Fiesta™ Lavender Orchid	Lavender Orchid
Fiesta™ Pink Ruffle	Pink Ruffle
Fiesta™ Purple	Balfieprim
Fiesta™ Salsa Red	Balfiesaled
Fiesta™ Sparkler Cherry	Balfiespray
Fiesta™ Sparkler Hot Pink	Balfiesink
Fiesta™ Stardust Pink	Balolestop
Fiesta™ Stardust Purple	Balfiestarp
Fiesta™ Sunrise Red	Balfiesunre
Fiesta™ White	Balfiewite
Fiesta™ Bonita Burgundy	Balboniburg
Fiesta™ Bonita Cherry	Balbonicher
Fiesta™ Bonita Pink	Balbonipink
Fiesta™ Bonita Rose	Balbonirose
Fiesta™ Bonita Salmon	Balbonisal
Fiesta™ Bonita Stardust Lavender	Balbonistar
Fiesta™ Bonita White	Balboniwite
Impatiens, Exotic	
Fusion™ Glow Yellow	Balfusimglo
Fusion™ Heat Coral	Balfusheat
Impatiens, New Guinea	
Clockwork™ Appleblossom	DANCEL877
Clockwork™ Orange	Balclocang
Clockwork™ Orange Stripe	Balclocorai
Clockwork™ Pink Star	Balclocinstar
Clockwork™ Purple	Balclocurp
Clockwork™ Red	Balcloced
Clockwork™ White	Balcebfro
Impatiens, Spreading	
SunPatiens® Spreading Carmine Red	SAKIMP022
SunPatiens® Spreading Clear Orange	SAKIMP040
SunPatiens® Spreading Clear White	SAKIMP036
SunPatiens® Spreading Corona	SAKIMP008
SunPatiens® Spreading Lavender	SAKIMP034
SunPatiens® Spreading Pink Flash	SAKIMP031
SunPatiens® Spreading Pink Kiss	
SunPatiens® Spreading Salmon V/L	SAKIMP005
SunPatiens® Spreading Scarlet Red	SAKIMP032
SunPatiens® Spreading Shell Pink	SAKIMP035
SunPatiens® Spreading Tropical Orange	SAKIMP038
SunPatiens® Spreading White V/L	SAKIMP018

Impatiens, Vigorous

SunPatiens® Vigorous Lavender	SAKIMP006
SunPatiens® Vigorous Magenta	Misato FG3
SunPatiens® Vigorous Orange	Misato FG2
SunPatiens® Vigorous White	SAKIMP010

Impatiens walleriana

Patchwork™ Cosmic Burgundy	Balpacurn
Patchwork™ Cosmic Orange	Balpacorg
Patchwork™ Peach Prism	Balpapesmi
Patchwork™ Pink Shades	Balpapinade

Ipomoea

SolarPower™ Black	Balsolablack
SolarPower™ Lime	Balsolalime
SolarPower™ Red	Balsolared
Spotlight™ Black	Balspotack
Spotlight™ Lime	Balspotime
Spotlight™ Red	Balspotred

Lantana

Landmark™ Blaze	Balandlae
Landmark™ Citrus	Balandcit
Landmark™ Gold	Balandgold
Landmark™ Peach Sunrise	Balandimpea
Landmark™ Rose Glow	Balandroglim
Landmark™ Sunrise Rose	Balandrosim
Landmark™ White	Balucwhit
Landmark™ Yellow	Balucyell
Little Lucky™ Hot Pink	Flortanapi
Little Lucky™ Lemon Cream	Ballucream
Little Lucky™ Orange	Ballucor
Little Lucky™ Peach Glow	Balluceagl
Little Lucky™ Pot of Gold	Balucgold
Little Lucky™ Red	Balluced
Lucky™ Flame	Balucraim
Lucky™ Lavender	Baluclav
Lucky™ Lemon Glow	Balucemlow
Lucky™ Peach	Balucpea
Lucky™ Pot of Gold	Balucgold
Lucky™ Pure Gold	Balucpure
Lucky™ Red	Balucred
Lucky™ Sunrise Rose	Balandrise
Lucky™ White	Balucwite
Lucky™ Yellow	Balucimyel

Lobelia

Early Springs™ Dark Blue	KLELE12472
Early Springs™ Lavender Pink	KLELE12474
Early Springs™ Magenta	Balspringma
Early Springs™ Sky Blue	KLELE12471
Early Springs™ White	KLELE12473
Waterfall™ Blue	Balobwablu
Waterfall™ Purple	Balwapur
Waterfall™ White Blush	Balwawish

Nemesia

Aromatica™ Rose Pink	Balarropi
Aromatica™ Royal Blue	Balaroyble
Aromatica™ White	Balarwitim

Osteospermum

Blue Eyed Beauty	Balostlueye
Serenity™ Bronze	Balseronze
Serenity™ Dark Purple	Balserdarp
Serenity™ Deep Yellow	Balserdelo
Serenity™ Lavender Frost	Balserlavosim
Serenity™ Lemonade	Balserlem
Serenity™ Pink	Balserpinkim
Serenity™ Pink Magic	Balserpima
Serenity™ Red	Balsered
Serenity™ Rose Magic	Balseroma
Serenity™ Spring Day	Balseringda
Serenity™ White	Balserimwhi
Voltage™ White	Balvowite
Voltage™ Yellow	Balvoyelo

Perilla

Magilla® Purple	Balmagpurp

Petunia

Black Magic	Dray68
Cascadias™ Indian Summer	DCAS303
Cha-Ching Cherry	Balpechay
ColorRush™ Blue	Balcushlu
ColorRush™ Pink	Balcushink
ColorRush™ Pink Star	Balcushpar
Double Wave® Blue Vein	Kirimaji Double Blue Vein
Double Wave® Blue Velvet	Kirimaji Double Blue Velvet
Double Wave® Pink	Kirimaji Double Pink Vein
Double Wave® Purple	Kirimaji Double Purple
Double Wave® Red	Kirimaji Double Red
Double Wave® Rose	Kirimaji Double Rose
Double Wave® White	Kirimaji Double White
FlashMob Bluerific	
FlashMob Pinkceptional	Pinkceptional
FlashMob Redtastic	Redtastic Improved
Glow Amethyst	Glow Amethyst
Glow Blue Stardust	Glow Blue Stardust
Glow Blue Vein	Flortunbluve
Glow Bright Red	Glow Bright Red
Glow Cappuccino	
Glow Fire	Glow Fire
Glow Fluor Rose	Glow Fluor Rose
Glow Hot Pink	Glow Hot Pink
Glow Lavender Shades	Glow Lavender Shades
Glow Ocean Blue	Glow Ocean Blue
Glow Peach Morn	Flortunpemo
Glow Picotee Blue	
Glow Pink Morn	Flortunpimorn
Glow Purple	
Glow Rose Blush	Glow Rose Blush
Glow Rose Stardust	Flortuniarostar
Glow Sky Blue	
Glow Snowy White	
Lime Light	Balpelite
Phantom	Balpephan
Pinstripe	Balpepin
Rhythm and Blues	Balperblues
Sun Spun® Blue	Balspunlu
Sun Spun® Burgundy	Balspunburg
Sun Spun® Coral	Balspuncor
Sun Spun® Lavender Star	Balspunlar
Sun Spun® Neon Pink	Balspunepi
Sun Spun® Pink	KLEPH11199
Sun Spun® Pink Ice	Balspunpice
Sun Spun® Purple Star	Balspunurst
Sun Spun® Raspberry Star	Balspunrast
Sun Spun® Red	Balspunredim
Sun Spun® Silver	Balspunsil
Sun Spun® White	Balspunwhi
Sun Spun® Yellow	Balspunyel
Suncatcher™ Blue Burst	Balsunurlu
Suncatcher™ Burgundy	Balsunbur
Suncatcher™ Hot Pink	Balsunhopi
Suncatcher™ Midnight Blue	Balsunmibu
Suncatcher™ Plum Burst	Balsunurpm
Suncatcher™ Purple Rose	Balsunprose
Suncatcher™ Red	Balsuncared
Suncatcher™ Vintage Rose	Balsunvinta
Suncatcher™ White	Balsunwhite
Suncatcher™ Yellow	Balsunelim

Petunia x calibrachoa (Petchoa)

SuperCal® Artist Rose	SAKPXC010
SuperCal® Blue	SAKPXC006
SuperCal® Blushing Pink	SAKPXC008
SuperCal® Cherry	SAKPXC012
SuperCal® Light Yellow	SAKPXC017
SuperCal® Neon Rose	Kakegawa S89
SuperCal® Pink	SAKPXC016
SuperCal® Pink Ice	SAKPXC009
SuperCal® Purple	Kakegawa S90
SuperCal® Salmon Glow	SAKPXC014
SuperCal® Terracotta	Kakegawa S91
SuperCal® Velvet	Kakegawa S88
SuperCal® Violet	SAKPXC011

Plectranthus

Nico	Nico
Nicolleta	Nicolleta
Mona Lavender	Plepalila

Purslane

Fairytales Cinderella	Cindy
Rio Grande™ Magenta	KLEPO14001
Rio Grande™ Orange	KLEPO14824
Rio Grande™ Scarlet	KLEPO 14002
Rio Grande™ White	Balriowite
Rio Grande™ Yellow	KLEPO14825

Salvia

Black & Bloom	Black & Bloom
Mystic Spires Blue	Balsalmisp

Scaevola

Brilliant	Brillant
Bondi™ Blue	Kingscablin
Bondi™ White	Kingscabowi
White Sparkle	Kingscawite

Thunbergia

Sunny™ Arizona Glow	VOLTHU 1007
Sunny™ Lemon Star	Lemon Star
Sunny™ Orange Wonder	Orange Wonder

Verbena

Aztec® Blue Velvet	Balazvelu
Aztec® Burgundy Wink	Florbenacher
Aztec® Coral	Balazcoral
Aztec® Dark Red	Balazdare
Aztec® Lavender	Balazlavi
Aztec® Pink	Balazpink
Aztec® Red Velvet	Balazreve
Aztec® Violet	Balazvimp
Aztec® Violet Wink	KLEVP12449
Aztec® White	Balazwite
Aztec® Wild Rose	Balazwilro
Aztec Magic™ Magenta	Balazmagma
Aztec Magic™ Orchid	Balazorchma
Aztec Magic™ Plum	Balazplum
Aztec Magic™ Purple	Balazpurmai
Aztec Magic™ Silver	Balazsilma
Aztec Magic™ White	Balazmawite
EnduraScape™ Blue	Balendlu
EnduraScape™ Dark Purple	Balendakle
EnduraScape™ Hot Pink	Balendopin
EnduraScape™ Magenta	Balendmag
EnduraScape™ Pink Bicolor	Balendpibi
EnduraScape™ Purple Improved	Balendurim
EnduraScape™ Red	Balendred
EnduraScape™ White Blush	Balendish

Self-Propagation License

A Self-Propagation License is only available for Ball FloraPlant Geranium and New Guinea Impatiens varieties. Propagation of these varieties without a license is strictly prohibited. A Self-Propagation License is a royalty-bearing license that must be signed and returned to receive stock plants. To obtain a Self-Propagation License, please contact RAI in the U.S. at **800 472-4724**, or COPF in Canada at **800 265-1629.**

Self-Propagation Terms

- Any cuttings taken from these 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 accompanying this License and only for the purpose of producing a flowering (finished) crop within the U.S. and Canada.
- "Finished Plants" are defined as plants grown for at least five (5) weeks in a 3-in. (7.5-cm) size pot/container or larger for at least four (4) weeks from planting of a rooted cutting, and seven (7) weeks from planting of an unrooted cutting.
- 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.

Self-Propagation Licensed Varieties

COMMERCIAL NAME	VARIETY NAME
Geranium	
Allure™ Hot Coral	BFP-1568
Allure™ Light Pink	Ballurlitpi
Allure™ Lilac Chiffon	Lilac Chiffon
Allure™ Pink Sizzle	Ballurpinzle
Allure™ Purple Rose	Purple Rose
Allure™ Salmon	Ballursal
Allure™ Scarlet	Ballurscim
Allure™ Tangerine	Ballurtang
Allure™ True Red	Ballurtre
Allure™ White	Ballurwhi
Dynamo™ Dark Red	BFP-838 Dark Red
Dynamo™ Dark Salmon	Sil Gatwig
Dynamo™ Hot Pink	Designer Hot Pink
Dynamo™ Light Pink	Sil Gesa
Dynamo™ Purple	Sil Merle
Dynamo™ Raspberry Sizzle	KLEPZ07197
Dynamo™ Red	Baldyned
Dynamo™ Salmon	Tosdynsal
Dynamo™ Scarlet	SIL Friesia
Dynamo™ Violet	Tosdynio
Dynamo™ White Improved	Tosdynwitim
Fantasia® Appleblossom	Tosfanbloss
Fantasia® Cardinal Red	Balfanimcar
Fantasia® Coral	Balfancori
Fantasia® Cranberry Sizzle	Tosfancriz
Fantasia® Dark Red	Sil Magnus
Fantasia® Flamingo Rose Improved	Tosfanflam
Fantasia® Neon Rose	Balfanero
Fantasia® Pink	Tosfanpink
Fantasia® Purple Sizzle	Sil Baldo 448
Fantasia® Raspberry Twizzle	Balfanrazl
Fantasia® Salmon	Sil Sören
Fantasia® Scarlet Improved	Tosfanscarim
Fantasia® Shocking Pink	Balfanshoci
Fantasia® Strawberry Sizzle	Sil Claudio
Fantasia® Violet	Balfanimvio
Fantasia® White	Balfanwite
Focus™ Burgundy	Florpeltburg
Focus™ Hot Pink	Tosfohopi
Focus™ Red Ice	Tosforice
Focus™ Rose	Florpeltpipu
Precision™ Burgundy	Balcolbugi
Precision™ Burgundy Ice	Sil Nixe Red
Precision™ Dark Burgundy	KLEP01042
Precision™ Dark Salmon	KLEPP08218
Precision™ Lavender Blue	Florpeltlav
Precision™ Light Pink	Tosepreliplm
Precision™ Pink	Balcolink
Precision™ Red Ice	Sil Chris
Precision™ Ruby	Sil Ruben
Precision™ Scarlet Red	KLEPP08207
Precision™ White Red Eye	Sil Insa
Presto™ Brilliant Red	KLEPZ08224
Presto™ Dark Fuchsia	KLEPZ05137
Presto™ Dark Red	Tospresdared
Presto™ Dark Salmon	KLEPZ08220
Presto™ Deep Scarlet Improved	Tospresdesc
Presto™ Light Salmon	KLEPZ09251
Presto™ Pink	Balshopink
Presto™ Pink+Eye	KLEP01007
Presto™ Pink Sizzle	Sil Linus
Presto™ Rose Sizzle	Balshorozle
Presto™ Violet	KLEPZ07200
Presto™ White	Sil Cato
New Guinea Impatiens	
Celebration Apricot	Balcelapt
Celebration Bright Salmon	Balcelbrisal
Celebration Deep Red	BFP-523 Deep Red
Celebration Electric Rose	Balcelelro
Celebration Icy Blue	Balcebibu
Celebration Lavender Glow	Balcelavgo
Celebration Orange	BFP-605 Orange
Celebration Pink	Balcelimpik
Celebration Purple	Balcelimpur
Celebration Purple Star	Balcelipurt
Celebration Rose Star	Balcelrost
Celebration Tropical Peach	Balceltrop
Celebration White	Balcelwitim
Celebrette Appleblossom	DANCEL877
Celebrette Bonfire Orange	Balcelbono
Celebrette Cherry Stripe	DANCEL846
Celebrette Frost	Balcebfro
Celebrette Grape Crush Improved	Balcebgushi
Celebrette Hot Pink	Balcebhopi
Celebrette Lavender	DANCEL844
Celebrette Light Coral	Balceblico
Celebrette Orange Crush Improved	Balceborushi
Celebrette Orange Stripe Improved	Balceboripi
Celebrette Orchid Star Improved	Balceborcari
Celebrette Red	Balcebred
Celebrette Salmon Frost	Balcebsafo
Celebrette Strawberry Star	Balcebstar

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 and Conditions of Sale.

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

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

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

Freight & Handling Charges, Inspection, Damaged Goods
The freight and handling charge on Purchaser's invoice covers shipment of the merchandise to Purchaser's destination, and replacement or credit for damaged merchandise if the steps listed here are followed. PURCHASER WILL NOT REFUSE OR RETURN GOODS, OR THE RIGHT TO FILE A CLAIM IS LOST AND PURCHASER WILL STILL BE LIABLE FOR THE MATERIAL AND THE FREIGHT. When Purchaser receives shipment:
1) Count all cartons. 2) Inspect all cartons for external damage. 3) Check for open or resealed cartons. 4) Note any damages, shortages, open or resealed cartons on the delivery receipt; the carrier's representative must also sign the receipt. 5) Open all boxes immediately and inspect for damage due to weather related issues such as scorched, frozen or broken plants; material shortages; etc. NOTIFY SELLER IMMEDIATELY IF A SHIPMENT IS DAMAGED. Call the Ball Traffic Department at **800 879-BALL** to report the damage and receive details on what is needed to file a claim. Damaged unrooted cuttings will be replaced by Ball FloraPlant. Damaged rooted cuttings will be replaced by Ball Seed.

Cancellation Policy
Cancellations for unrooted cuttings must be received at least 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 protected by United States Plant Variety Protection, United States Plant Patents, Utility Patents, and/or Plant Breeders' Rights. Many of the varieties are also protected by the Flowering-Only License Agreement as well as registered with the Canadian Ornamental Plant Foundation. These varieties may not be reproduced without authorization. The breeder or authorized representative has the right to inspect customer's nurseries during normal business hours to assess compliance with the restrictions on use of protected varieties.

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

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

Discontinued Ball FloraPlant Varieties for 2017

VARIETY	RECOMMENDED REPLACEMENT
Angelonia Archangel Pink	Angelonia Archangel Pink Improved
Angelonia Archangel Orchid Pink	Angelonia Archangel Pink Improved
Bacopa Abunda Colossal Blue	Bacopa MegaCopa Blue
Bacopa Abunda Colossal Pink	Bacopa MegaCopa Pink
Bacopa Abunda Colossal Sky Blue	Bacopa MegaCopa Sky Blue
Bacopa Abunda Colossal White	Bacopa MegaCopa Versa White
Bacopa Abunda Giant White	Bacopa MegaCopa White
Basil Emerald Frills	–
Basil Ruby Frills	–
Bidens Sun Drop	Bidens Sun Drop Improved
Calibrachoa Cabaret Lavender	Calibrachoa Cabaret Lavender Improved
Calibrachoa Cabaret Scarlet	Calibrachoa Cabaret Scarlet Improved
Calibrachoa Can-Can Coral Reef	Calibrachoa Cabaret Mango Tango
Calibrachoa Can-Can Peach	Calibrachoa Can-Can Apricot
Calibrachoa Can-Can Pink Splash	Calibrachoa Can-Can Red Splash
Calibrachoa Can-Can Purple Star	Calibrachoa Can-Can Hot Pink Star
Calibrachoa Conga Blush	Calibrachoa Conga White
Calibrachoa Conga Yellow	Calibrachoa Conga Deep Yellow
Coleus Honey Crisp	Coleus Mint Mocha
Coleus Saturn	Coleus FlameThrower Spiced Curry
Coleus Aurora Black Cherry	Coleus FlameThrower Chili Pepper
Coleus Aurora Raspberry	Coleus FlameThrower Chili Pepper
Diascia Romeo Pink	Diascia Romeo Bright Pink
Diascia Romeo Red	Diascia Romeo Orange
Geranium, Zonal Dynamo Bright Lilac	Geranium, Zonal Dynamo Purple
Geranium, Zonal Dynamo White	Geranium, Zonal Dynamo White Improved
Geranium, Zonal Fantasia Flamingo Rose	Geranium, Zonal Fantasia Flamingo Rose Improved
Geranium, Zonal Fantasia Pink Shell	Geranium, Zonal Fantasia Shocking Pink
Geranium, Zonal Fantasia Scarlet	Geranium, Zonal Fantasia Scarlet Improved
Geranium, Zonal Presto Deep Scarlet	Geranium, Zonal Presto Deep Scarlet Improved
Gomphrena Pinball Purple	–
Impatiens, New Guinea Celebration Cherry Red	Impatiens, New Guinea Celebration Deep Red
Impatiens, New Guinea Celebration Raspberry Rose	Impatiens, New Guinea Celebration Electric Rose
Impatiens, New Guinea Celebration Rose	Impatiens, New Guinea Celebration Electric Rose
Impatiens, New Guinea Celebration Sunset Apricot	Impatiens, New Guinea Celebration Bright Salmon
Impatiens, New Guinea Celebrette Grape Crush	Impatiens, New Guinea Celebrette Grape Crush Improved
Impatiens, New Guinea Celebrette Hot Rose	Impatiens, New Guinea Celebrette Grape Crush Improved
Impatiens, New Guinea Celebrette Orange Crush	Impatiens, New Guinea Celebrette Orange Crush Improved
Impatiens, New Guinea Celebrette Orange Stripe	Impatiens, New Guinea Celebrette Orange Stripe Improved
Impatiens, New Guinea Celebrette Orchid	Impatiens, New Guinea Celebrette Grape Crush Improved
Impatiens, New Guinea Celebrette Orchid Star	Impatiens, New Guinea Celebrette Orchid Star Improved
Impatiens, Exotic Fusion Infrared Apricot	Impatiens, Exotic Fusion Heat Coral
Impatiens, Exotic Fusion Peach Frost	Impatiens, Exotic Fusion Heat Coral
Impatiens, Double Fiesta Rose	Impatiens, Double Fiesta Purple
Impatiens, Exotic Patchwork Cosmic Cherry	Impatiens, Exotic Patchwork Cosmic Orange
Impatiens, Exotic Patchwork Lavender	Impatiens, Exotic Patchwork Pink Shades
Nemesia Aromatica Scarlet	Nemesia Aromatica Rose Pink
Osteospermum Serenity Peach Magic	Osteospermum Serenity Rose Magic
Petunia Flash Mob Magentacular	–
Petunia Sun Spun Salmon	Petunia Sun Spun Coral
Petunia Sun Spun Velvet	Petunia Sun Spun Blue
Rudbeckia Gold Rush	–
Verbena Aztec Light Pink	Verbena Aztec Pink
Verbena EnduraScape Lavender	Verbena EnduraScape Pink Bicolor
Verbena EnduraScape Purple	Verbena EnduraScape Purple Improved

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2 For 1 Policy
Due to their natural habit, unrooted cuttings of some varieties can be somewhat fine or wispy. For these varieties, Ball FloraPlant requires that customers use 2 cuttings per cell. To facilitate this, customers will be shipped 2 cuttings of the varieties below for the price of 1. Ball FloraPlant believes that it is a necessity to stick these varieties in this way to allow for the most successful finished product.

Ball FloraPlant provides 2 unrooted cuttings for the price of 1 for the following series/varieties:
MegaCopa Bacopa, Scopia Bacopa, Amethyst Brachyscome, Allyson Heather Cuphea, Juliet & Romeo Diascia, Aromatica Nemesia

If cuttings are "stuck" 1 per cell, customers will be responsible for the cost of full royalty and tags for those extra plants. You may arrange for payment of the royalty and tags by calling Ball FloraPlant at **800 879-BALL** (2255).

BFP TV

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If you've got a minute (or two), we have a video for you.
Watch, learn and grow!

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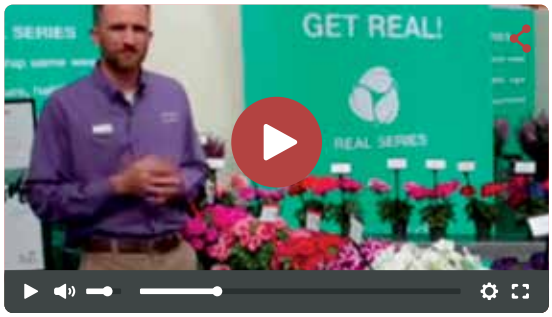

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Ball ColorLink®: 800 686-7380

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