









Ball Horticultural Company

Founded in 1904

Family owned, 4th Generation

West Chicago, Illinois

Over 5000 employees world-wide

26 Countries

Breeding, Production (of plant inputs), Distribution

Ornamentals, annuals, perennials, shrubs, bulbs

Publishing, Grower Talks, Ball RedBook

Star Roses and Plants, Knock Out Roses

Wave Petunias

Burpee Home Gardens



Trends

Plant Choices have changed

- Fewer turns
- Plants interesting over several months
- Flowers & foliage mixed together in beds
- Mixed annual and perennial beds
- Perennials as annuals planted once a year, and removed



Plants that last Longer













Foliage & Flowers



Mahogany Splendor Hibiscus Angelonia Serena Pink Dichondra Silver Falls Dalian China, August







Container Plants









Container Plants









Container Plants













Water conserving plants





Full Sun
Angelonia Serena
Lavender(low)
Celosia Century Orange (Mid)
Canna Tropical (Tall)



Water conserving plants



Purple flash pepper



Helenium Dakota Gold



Alternanthera Purple Night



Popular Warm Season <u>Seed</u> annuals for landscape

1. Angelonia Angelonia augustifolia

2. Begonias *B. x hybrida*

3. Canna Canna x generalis

4. Coleus *Coleus x hybrida*

5. Impatiens Impatiens walleriana

6. Marigold Tagetes erecta

7. Pansies Viola x wittrockiana Spring and Fall

8. Petunia Petunia x hybrida

9. Salvia Salvia splendens

10. Vinca *Catharantus roseus*



Thrillers & Spillers



Dichondra Silver Falls



Plectranthus Silver Shield



Helichrysum Silver Mist

Silver Foliage



Purple Knight Alternanthera



Purple Prince Alternanthera

Purple Foliage



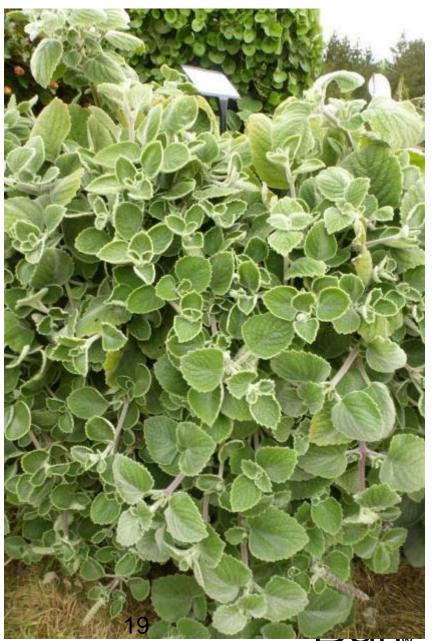
Spiller

Purple Lady Iresine

Plectranthus Silver Shield



Plectranthus Nicolleta



Spacing: 18 - 24" (46 - 61cm) **Height:** 8 - 10" (20 - 25cm) **Width:** 18 - 24" (46 - 61cm)

Spiller

Dichondra Silver Falls



Spacing: 18 - 48" (46 - 122cm)

Height: 2 - 3" (5 - 8cm)

Width: 36 - 48" (91 - 122cm)

Spiller

SolarPower[™] Ipomoea



Spacing: 18 - 30" (46 - 76cm) **Height:** 10 - 12" (25 - 30cm) **Width:** 24 - 36" (61 - 91cm)





Ipomoea make a great groundcover! 'Solar Tower' is a climbing vine!



Solar Tower Ipomoea Lime & Black



Annual Plants

- "Low Maintenance"
- Long Bloom window
- Economical
- Available
- Pretty and Colorful













Easy Wave Petunia



US 7,642,436; EU PAF

US 7,642,436; EU PAF

US 7,642,436; EU PAF



18

selections

Petunia Easy Wave® Rose Fusion







Spacing: 10 - 15" (25 - 38cm) **Height:** 6 - 12" (15 - 30cm) **Width:** 30 - 39" (76 - 99cm)





Bright in the Sun

- Celosia Sol Lizzard Leaf
- Salvia Skyscraper Pink
- Petunia Easy Wave Rose Fusion
- Vinca Titan Burgundy
- Zinnia Double Zahara Yellow



Petunia Bee's Knees







Spacing: 18 - 24" (46 - 61cm) **Height:** 8 - 10" (20 - 25cm) **Width:** 16 - 22" (41 - 56cm

Best performing yellow petunia Deep yellow color doesn't fade Mounded habit



Bee Bright

- Zinnia Zahara Bright Orange
- Verbena Lascar Dark Violet
- Petunia Bee's Knees
- Celosia Lizzard Leaf
- Millet Jade Princess









ColorRush™ Series Petunia

Great in-ground, larger containers

Spacing: 24" (61cm)

Height: 10 - 12" (25 - 30cm) **Width:** 24 - 36" (61 - 91cm)

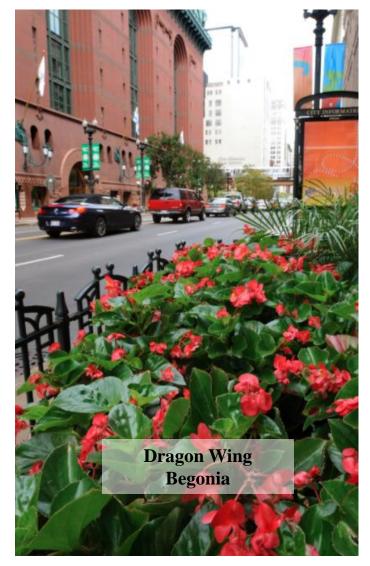


Serenita® Series F1 Angelonia





Landscape Begonias













NEW Spreading Begonia HulaTM Series



Dragon Wing®

Megawatt

Hula

BabyWing®

Daylength neutral = Earliest interspecific begonia to flower

Smaller flowers.

Hula spreads early stage









Red

Bicolor Red White

White

Pink

Cannova F₁ Series Canna









Red w/ Bronze Leaf

Yellow





Pepper Perfection

- Verbena Firehouse Red
- Ornamental Pepper Sedona Sun
- Ipomoea Spotlight Red
- Canna Cannova Golden Flame (2023 introduction)
- Purslane Rio Grande Scarlet
- Angelonia Archangel White



Seed Coleus



Premium Sun Ruby Heart





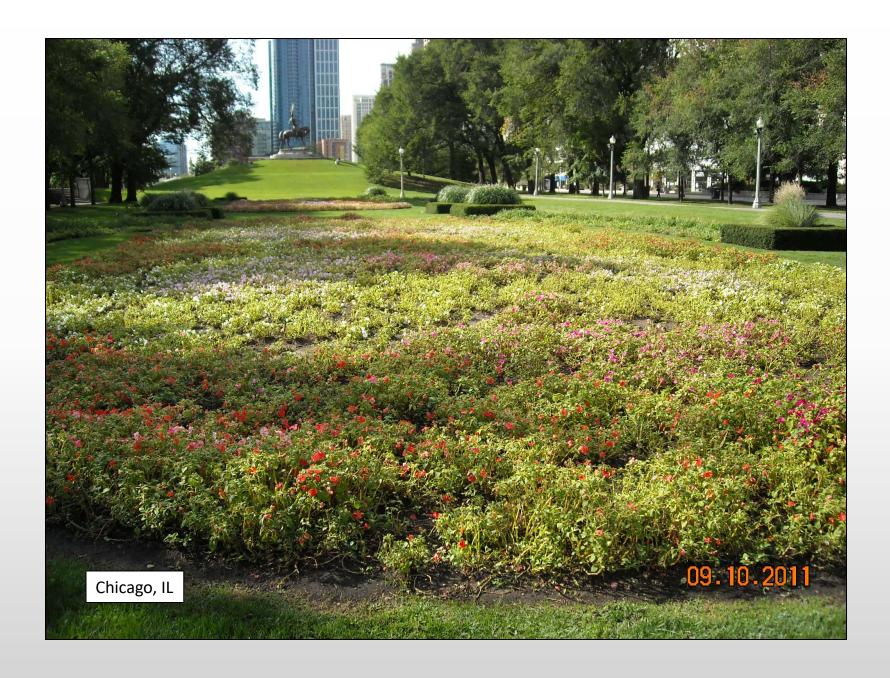














Impatiens Downy Mildew (Plasmopara destrutor)

Planning for next year:

apatiens Downy Mildew If you had Impatier

States with confirmed reports of impatiens downy mildew in the landscape in 2012

Ball was the first to Alert!

First to provide alternatives

First to fix the Problem!





IDM Preventative Fungicide Recommendations

- Beacon impatiens <u>exhibit high genetic resistance</u> to IDM without the use of chemicals.
- While <u>not immune</u> to IDM, Beacon can be grown successfully without preventative IDM fungicide applications.
- It is <u>not necessary to apply preventative fungicides</u> for IDM disease management <u>with Beacon</u> Impatiens in either young plant or finish production.
 - If IDM prevention is part of an overall spray program for susceptible genetics, Beacon's performance will not be affected if they are also treated.
- Scenarios where preventative IDM fungicides may be recommended:
 - Plugs or plants are being produced where Impatiens are currently growing in the landscape, (which could expose greenhouse or nursery-grown plants to high levels of natural inoculum), and then shipping to other regions.
 - Receiving plugs or plants from a region where Impatiens are currently growing in the landscape and susceptible genetics are being grown at the recipient location.

No-Risk Color for the Shade!





Impatiens Beacon®







Formula Mix

Impatiens downy mildew disease led to a global decline in demand and sales of one of the top bedding plant classes, *Impatiens walleriana*.

- Beacon impatiens have high resistance to Impatiens downy mildew.
- Beacon offers the opportunity to increase sales in an important bedding and landscape segment, especially in markets where color for shade is needed.

Existing Colors:















PanAmerican Seed.

Bright Red

White

Violet Shades

Coral

Salmon

Orange

Red White Mix

Impatiens Beacon® Mixes





Beacon Orange Beacon Bright Red Beacon Violet Shades



Beacon Rose Beacon White Beacon Violet Shades



Beacon White Beacon Coral Beacon Salmon Beacon Rose



Beacon Rose Beacon White



Impatiens Beacon®

PanAmerican Seed.

- Highly resistant to downy mildew.
- Now eight colors and five mixes in the series!



















Target Season / Region

Spring, Late Spring, Summer, Late Summer / All

Zones	Containers	Height	Width
Annual	HB's, Planters, Color Bowls	14"-18"	12"-14"



NEW Marvel II™ Series F1 African Marigold

- This new intermediate-type African marigold offers improved branching, earliness, flower size and a brighter flower colour.
- Series is uniform under both short and long days.



Height: 16 to 18 in./41 to 46 cm **Spread:** 10 to 12 in./25 to 30 cm

Plug crop time: 3 weeks

Transplant to finish: 6 to 7 weeks **Seed supplied as:** Coated, De-tailed with 85% Min. Germ. Standard







Popular Warm Season Vegetative annuals for landscape

1. Angelonia Angelonia augustifolia

2. Begonia Hybrida

3. Canna Canna x generalis

4. Coleus *Coleus x hybrida*

5. Zonal Geranium Pelargonium hortorum

6. Impatiens Impatiens walleriana

7. Lantana Lantana camara

8. Petunia Petunia x hybrida

9. Sweet Potato Vine Ipomea batatas

10. Scaevola Scaevola hybrid











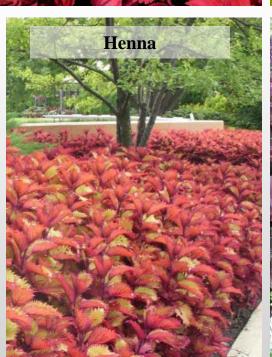


Vegetative Coleus















Coleus FlameThrower™



- Compact habit for small containers and combinations
- Excellent garden performance and a season extender item
- Holds color in sun or shade



Cajun Spice (Orange With Green Edging)



Salsa Roja



Serrano



Salsa Verde



Chili Pepper



Spiced Curry

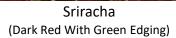


Habanero



Chipotle

Spacing: 16 - 18" (41 - 46cm) **Height:** 12 - 18" (30 - 46cm) **Width:** 16 - 18" (41 - 46cm)

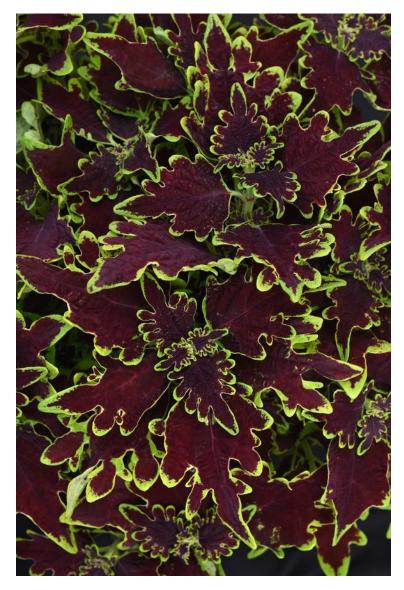








Coleus Limewire





- Controlled, well branched
- Deep burgundy leaves are edged in lime green with deeply scalloped edges for fun texture in gardens and containers
- Holds the burgundy, beautiful green edge
- Fits into the Medium vigor group of our Premium Sun Coleus
- Matches the vigor of Campfire & Inferno







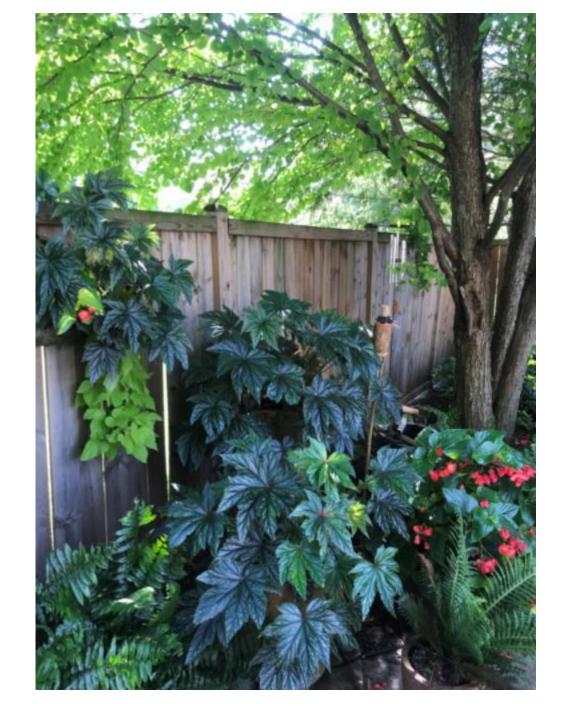
Canary Wing Begonia

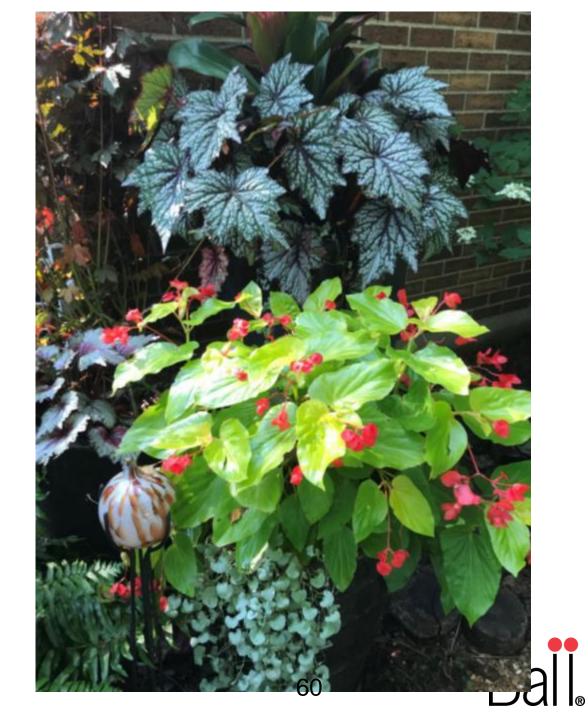
Shade













Gryphon

Begonia x hybrida

Foliage for the Shade Seed

Spacing: 16 - 18" (41 - 46cm) Height: 14 - 16" (36 - 41cm) Width: 16 - 18" (41 - 46cm)





Jurassic Rex Begonia



Rex Begonia Jurassic Dino™

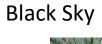








Shade



Black Tie

Dragon Fruit



n Fruit

- More compact and smaller leaf than the Jurassic and Jurassic Jr
- Great for indoor containers





Polka Dot



Rex Begonia Jurassic™



Cherry Spike

Heartbeat

Sturdy leaves consumers

indoors or in shade gardens

Perfect for 10 in. containers



Pink Shades





Rex Begonia Jurassic Jr. TM





Arctic Twist



Fire Spike

- A vibrant mix of colors and textures. Medium vigor and leaf size makes the Jurassic Jr series ideal for baskets and shade containers
- Great for 6" 12" pots and baskets











Rex Begonia Jurassic Megalo™







Komodo



Reptile

large containers

Extra-large leaves

Vigorous

Shade containers









Spreading Carmine Red



Spreading Clear Orange



Spreading Clear White PPAF SAKIMP036



Spreading Corona US PP21,014 SAKIMP008



Spreading Lavender



Spreading Pink Flash



Spreading Pink Kiss



Spreading Salmon
US PP19,500 SAKIMP005



Spreading Scarlet Red
PPAF SAKIMP032



Spreading Shell Pink
PPAF SAKIMP035



Spreading Tropical Orange



Spreading White
US PP21,768 SAKIMP018



Interspecific impatiens for the sun!



Vegetative

Sunpatiens

Interspecific

Spreading Series

For Full Sun!

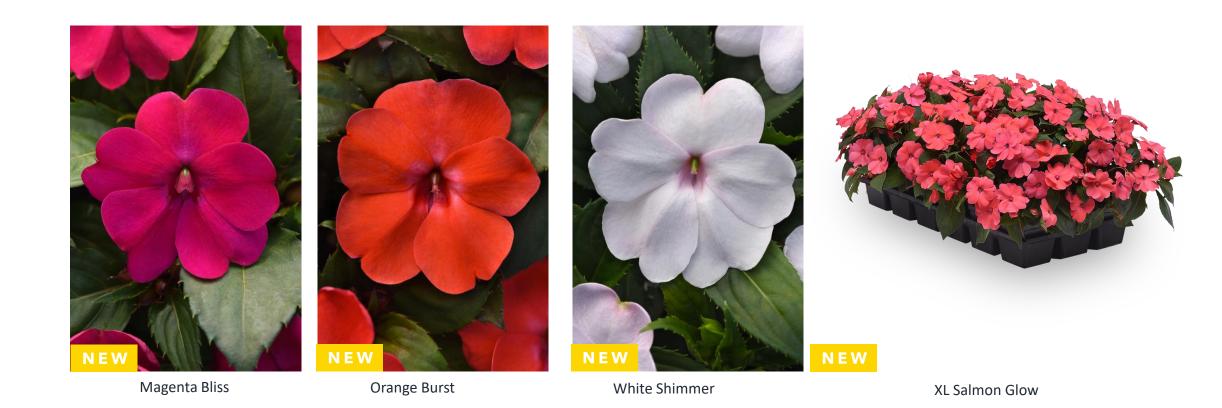
Up to 36" x 36" wide





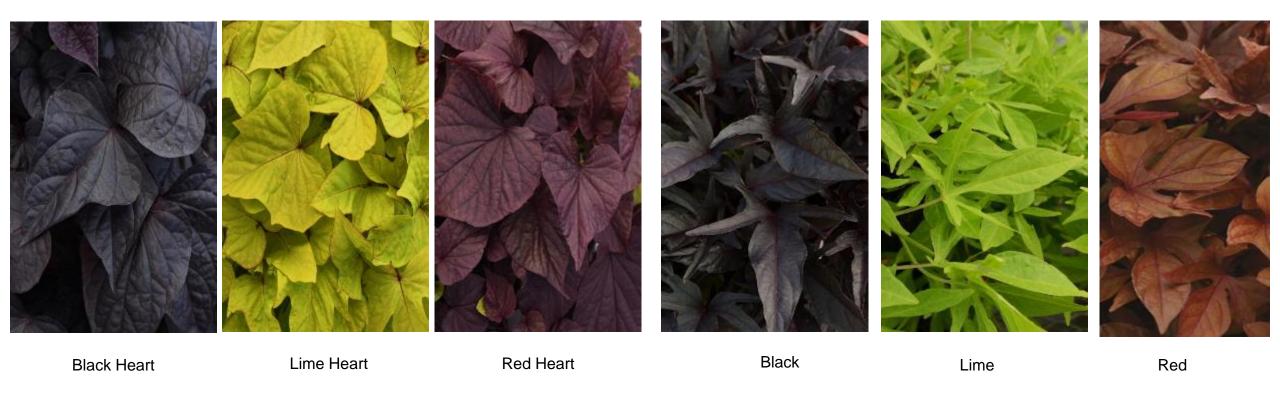


NEW Interspecific Impatiens Solarscape[™] Series F₁





SolarPower[™] Ipomoea



Spacing: 18 - 30" (46 - 76cm) **Height:** 10 - 12" (25 - 30cm) **Width:** 24 - 36" (61 - 91cm)





Simply Bold

- Ipomoea Solar Power Red Heart
- Pennisetum purpureum Vertigo
- Begonia Whopper Bronze Leaf Red
- (photo does not do this container justice! Color much better in person and it is a BIG design)



Mahogany Splendor Hibiscus

Hibiscus acetosella

- 4-5' Background foliage
- Hot & Dry, or Wet!
- Light frost

Spacing: 24 - 36" (61 - 91cm)

Height: 36 - 60" (91 - 152cm)

Width: 24 - 30" (61 - 76cm)



Ball Vegetative Lantanas

Landmark

Large Semi-Sterile Landscape

Lucky

Semi-compact

Landscape

Little Lucky'

Compact

Containers, small spaces Flowers early in higher light

Spacing: 15 - 20" (38 - 51cm) Height: 15 - 20" (38 - 51cm) Width: 18 - 24" (46 - 61cm) **Spacing: 12" (30cm)**

Height: 12 - 16" (30 - 41cm) Width: 12 - 14" (30 - 36cm) Spacing: 10" (25cm) Height: 10 - 12" (25 - 30cm)

Width: 10 - 12" (25 - 30cm)







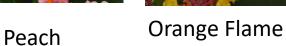


Lantana Shamrock™









White





- A new medium vigor series of lantana that has a well branched, mounded habit
- This is a high-utility series that works great in a multitude of pot sizes from quarts to hanging baskets



New for '23, **Dragon Fruit Trailing**!







Mystic Spires & Mysty



Salvia Mystic Spires



Mystic Spires

Spacing: 12 - 18" (30 - 46cm) **Height:** 18 - 24" (46 - 61cm) **Width:** 12 - 18" (30 - 46cm)



Salvia Mystic Spires



SALVIA MYSTY

Shorter version of Mystic Spires.

Perfect for the middle of garden borders and 10- to 12-inch mixed containers

Salvia longispicata X farinacea

Garden location: Sun

Finished height: 18 to 24 in. Finished spread: 12 to 18 in.

Garden spacing: 12 to 18 in





USDA Hardiness Zones: 7a to 10b (0 to 35°F/ -18 to 2°C)





NEW Purple & Bloom Salvia





Super pollinator Plant!!!

Offers the same flower power and performance as Black & Bloom.

Pollinator magnet! (Hummingbirds!)

Large-bodied plant is great for the landscape or large containers.

Height: 40-48" (102-122cm) **Spread:** 36-48" (91-122cm)

Exposure: Partial Sun, Sur





®



Tropical Trend

- Alocasia Dark Star
- Salvia Black & Bloom
- Alternanthera Purple Prince
- Vinca Titan Burgundy White
- Petunia Main Stage Violet
 Picotee
- Salvia Black & Blue
- Angelonia Angelmist Berry Sparkler
- Zinnia Double Zahara Bright Orange



Roman Red Salvia

The **only** vibrant red interspecific salvia on the market!

Exceptional landscape performance.

Heat!

Pollinator plant

Vegetative

Salvia splendens x darcyi

Garden location: Partial Sun, Sun

Finished height: 28 to 34 in. (71 to 86 cm) Finished spread: 28 to 36 in. (71 to 91 cm) Garden spacing: 20 to 26 in. (51 to 66 cm)

USDA Hardiness Zones: 8a to 11 (10 to 40°F/ -12 to 4°C)







Salvia White Flame





- Excellent heat tolerance
- Upright and vigorous habit
- Great pollinator plant for late Spring and Summer



Spacing: 12 - 18" (30 - 46cm) **Height:** 18 - 24" (46 - 61cm) **Width:** 12 - 18" (30 - 46cm)



Skyscraper[™] Salvia

Season extender Late into Fall

Pollinator Plant!

Super Dry Grower

TALL!

Vegetative





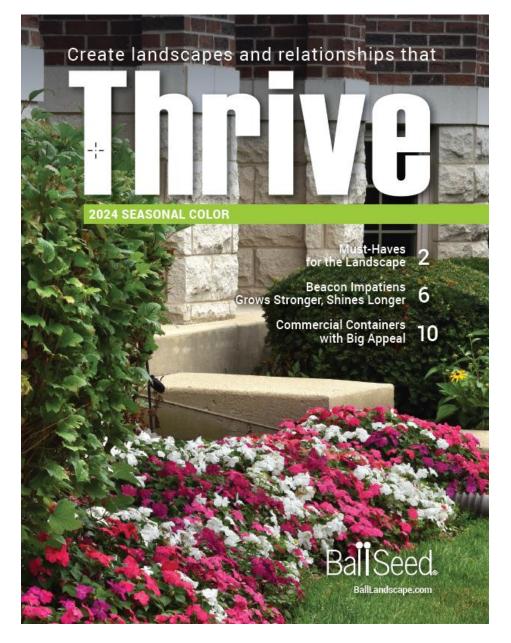




Skyscraper™ Pink



Skyscraper™ Orange



Tips for Landscape Growers



Plant "fresh"

- · Work on a plan with your grower for realistic timing on pre-season delivery.
- · Note that root-bound plants suffer more transplant shock (depending on the species).

Know your soil - pH & salts

- · Strive for greater air porosity you'll want more air than water!
- Organic matter increases air porosity.
- Soil pH, or how tight nutrients hold to soil (pH "range"):
- Less than 6.0 = Nutrients leached = Small leaves, marginal chlorosis
- Greater than 7.5 = Nutrients bound tight = Young leaf chlorosis, stunting
- · Low EC causes small, weak plants.
- · High EC causes marginal necrosis (brown edges) and stunted plants.



Watering - 50% of landscape water is wasted!

- · More plants die due to overwatering than to underwatering.
- · Reduce water as plants fill in the beds.
- · When leaves touch, they've had enough.



Fertilization - 3 elements to promote plant health and growth

- N (nitrogen): "Gas" to grow.
- · P (phosphorus): Stem stretch, roots and flowering.
- · K (potassium): "Tone," or how rigid the plant is.



Plant for success - Avoid soil compaction!

- · Small beds
- Cultivate the soil before planting.
- When possible, work from perimeter stay out of the bed.
- Avoid "knee blight" kneeling compacts the soil.
- Large beds
- Cultivate from the center out and plant as you go, cultivate the edge and plant as you go, or work from one side to the other.
- · Moisture content of plant tray soil should match the moisture content of the destination bed soil.
- · Match crown of plant to the soil level, like you would if you were planting a tree.

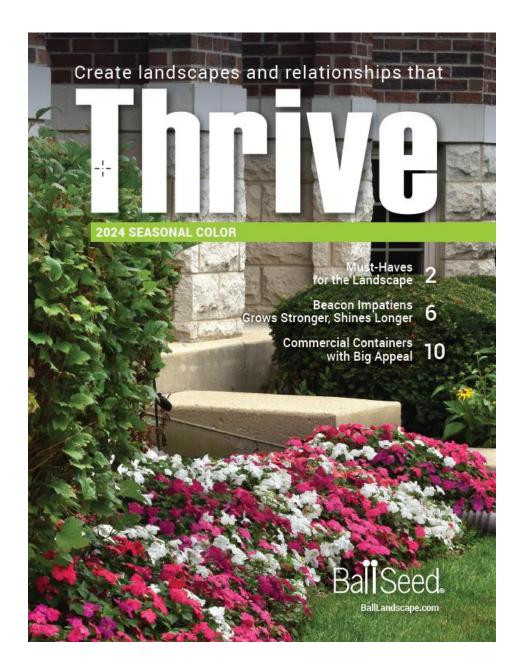








Time to Order Spring and Summer!







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Landscape Products for Professionals



ballseed.com/MixedContainerSolutions



Trialed & tested container solutions for

bench-to-garden success!

Whether you sell finished containers or the components to create them, Ball works hard to bring you a wide array of designs and recipes to inspire all customers. From grower to retailer to home gardener, container solutions from Ball assure success through the entire life of each basket or patio pot.





Other Mixed Container Demo Videos







Hit Any Price Point

Learn More



Online Color Swap

Learn More



Container Profitability

Learn More



Container Gallery

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Joan Mazat



Kelsey Minalga



Heather Ebl



Ball Seed Resources



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The Gardens at Ball 3D Tour



North America's largest wholesale supplier Ornamental seeds, young plants, soil, and greenhouse supplies. Serving the garden center, greenhouse, and nursery business



Thank You!



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To promote horticulture and inspire people to pursue careers working with plants.





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