

Annual Collection



ARTIST® *Ageratum*



20-30cm (8-12")



Vigor: 2

One of our best-selling Grande™ crops! These robust *Ageratum* cultivars maintain their picture-perfect good looks in containers over an extended selling period. Their compact, densely branched, mounded foliage becomes completely covered in pollinator-attracting blossoms. These plants exhibit outstanding heat tolerance, blooming well through the summer heat.

Growing Tips for ARTIST®

- Requires high light in production.
- Requires early growth regulator.
- 200 ppm fertilizer for optimal growth.
- In growing group BB (see page 145).*

Notes: Pinching is not recommended. A light Sumagic® spray (2-5 ppm) or B-9 (2500-5000) has been shown to be effective on *Ageratum*. Growth can also be controlled using holding temperature. Winter flowering occurs in Sunbelt states.

AWARD WINNERS – ARTIST® *Ageratum*

84 Awards including: Excellent Rating, Disney; Best of the Best, University of Georgia; Best of Species, Penn State; Top Pick, Dallas Arboretum; Top Performer, Kansas State University



ARTIST® Pearl
Ageratum



ARTIST® Blue
Ageratum †Agsantis® USPP15289 Can2050

ANNUAL VIGOR KEY – 1 to 4, with 1 representing the slower, smaller growers and 4 representing the quickest, largest growers. For combinations, choose varieties with the same vigor rating to ensure success.

* First letter is Growing Temperature, second letter is pH.

BUTTERFLY *Argyranthemum frutescens*

LANDSCAPE   46-91cm (18-36") Vigor: 3

Marguerite Daisies are some of the most well-known and loved flowers among gardeners. Our Butterfly line shines in container recipes and landscapes as these plants are well-matched for timing and size, taking the guesswork out of the equation for growers, retailers and landscapers. These heat tolerant cultivars bloom with clearer, brighter flowers that don't require deadheading for continuous bloom.

AWARD WINNERS – BUTTERFLY *Argyranthemum*

104 Awards including: Perfect Score, Jardin Daniel A. Seguin; Top Performer, University of Guelph; Excellent Rating, University Laval; Perfect Score, Oregon State University

Growing Tips for BUTTERFLY

- Requires high light in production.
- 200 ppm fertilizer for optimal growth.
- Low light, tight spacing, and wet foliage will lead to disease.
- Transplant *Argyranthemum* liners first, then water in quickly after transplant.
- In growing group AB (see page 145).*

Notes: No pinch needed for 4-5" pots planted after mid-March. When planted prior to mid-March a pinch will be beneficial. Single plants in 6" and gallons as well as all 8" and larger containers should be pinched 1-2 weeks after transplant. 5-10 ppm Sumagic® spray or a 1-3 ppm Bonzi® drench will help control growth. Winter flowering occurs in the Sunbelt states when grown under long days.



GOLDEN BUTTERFLY®
Argyranthemum
frutescens G15101 USPP30615 Can6079



PURE WHITE BUTTERFLY®
Argyranthemum
frutescens G14420 USPPAF Can5769

ANGELFACE® *Angelonia angustifolia*



Angelface Angelonia is a classic thriller for containers and adds verticality to garden beds. Growers and gardeners alike appreciate that their showy flower spikes don't require deadheading for continuous bloom. This is a sun, heat and humidity-loving plant that is stunning when offered in 1-gallon or larger containers on retail endcaps from early summer to fall.

Angelface Super varieties were bred to be bigger, bolder accent plants for planting en masse in landscapes. They mature to over three feet tall and become covered in flowers from top to bottom. Deer tend to pass them by because of their fragrant foliage.

AWARD WINNERS – ANGELFACE® *Angelonia*

253 Awards including: Superior Rating, Disney; Top Performer, Ohio State; Excellent Rating, Boerner Botanical Garden, Milwaukee, Wisconsin; Best of the Best, University of Georgia; Best Varieties, Penn State; Top Pick, Cornell University

Growing Tips for ANGELFACE®

- Requires high light in production.
- 150-200 ppm fertilizer for optimal growth.
- Warm and slightly dry conditions after transplanting speeds root-in and growth.
- Remember all Angelonia prefer warm production temperatures and it may be best to bring shipments in mid-spring.
- Scout regularly for aphids which can be problematic.
- In growing group CB (see page 145).

Notes: Pinch 6" or larger containers at transplant for large plugs, 2 weeks after transplant for smaller containers. Florel® causes tip burn and distorted growth. Sumagic® is effective (2-5 ppm), but other growth regulators can delay flowering.



ANGELFACE® Super Blue
Angelonia ^{ANSUBLU021} USPPAF Car/PBRA

76-102cm (30-40")



ANGELFACE® Super White
Angelonia ^{ANSUWH1} USPP29490 Car/5768

76-102cm (30-40")



ANGELFACE®
Wedgwood Blue
Angelonia 'ANWEDG116' USPPAF Can6282
46-76cm (18-30")



ANGELFACE®
Steel Blue
Angelonia 'ANSTEEL' USPPAF Can6281
46-76cm (18-30")



ANGELFACE® White
Angelonia 'ANWHITI' USPP19866
46-61cm (18-24")

**Collection
Top Seller**



ANGELFACE® Blue
Angelonia 'ANBLU140' USPPAF Can6277
46-76cm (18-30")



ANGELFACE® Perfectly Pink
Angelonia 'BALANG15434' USPP29270
46-76cm (18-30")

ANGELFACE® Cascade *Angelonia*



Vigor: 3

We're bringing the same heat and humidity tolerance of standard upright angelonias to a line of cascading types that are perfect for hanging baskets. These plants have outward and downward spreading stems, making them ideal fillers and spillers in container recipes. Pair them with other medium vigor, sun loving annuals.



Collection
Top Seller

ANGELFACE® Cascade Snow
Angelonia *** USPPAF CanPBRAF

20-36cm (8-14")



ANGELFACE® Cascade Blue
Angelonia ^{ANCASBLU} USPPAF Can6278

20-36cm (8-14")



SNOWSTORM®
GLACIER BLUE™
Sutura cordata ^{WINSUSNOGL} USPP32698 CanPBRAF
(Bacopa)



ANGELFACE® Cascade Pink
Angelonia ^{ANCASPI} USPPAF Can6279

20-36cm (8-14")

SNOWSTORM® *Sutera cordata* (Bacopa) 🌱 ☀️ 🌿 10-25cm (4-10") Vigor: 2 Snowstorm® Giant Snowflake®: Vigor: 3

Our *Sutera* varieties show what happens when you start with the best genetics, then continually improve them. In hanging baskets and containers, *Sutera*'s glimmering, star-shaped flowers add beauty and texture, but its delicate looks are backed by durability and vigor.

AWARD WINNERS – SNOWSTORM® *Sutera* (Bacopa)

50 Awards including: Outstanding Rating, Disney Trial; Best of the Best, University of Georgia; Early Season Top Performer, Cornell, Long Island; Top Performer, University of Minnesota-Morris; Top Performer-Containers, Biltmore

Growing Tips for SNOWSTORM®

- High light in production is essential in early season. Light shade is required for summer production.
- 150-200 ppm fertilizer for optimal growth.
- You must keep Giant Snowflake under control, especially under dark weather conditions. It should be treated with 500-750 ppm of B-Nine®.
- Treat with preventative broad spectrum fungicidal drench one week after transplant.
- In growing group BA (see page 145).

Notes: Pinch as needed or to shape plants. Do not allow plants to dry out as they will drop both buds and flowers causing the plants to cycle out of bloom for several weeks.



SNOWSTORM® Rose
Sutera cordata USPPAF CanPBRAF
(Bacopa)



Top 50

SNOWSTORM® SNOW GLOBE®
Sutera cordata WINSUSNOGB USPP32660 CanPBRAF
(Bacopa)



SNOWSTORM® Pink
Sutera cordata INSUTSNPIM USPP32661 CanPBRAF
(Bacopa)



Top 5

SNOWSTORM® GIANT SNOWFLAKE®
Sutera cordata Danova906 USPP17886 Can2861
(Bacopa)



SNOWSTORM® Blue
Sutera cordata WINSUSNOBL USPP32659 CanPBRAF
(Bacopa)

SUREFIRE® *Begonia*



30-61cm (12-24") Vigor: 4

These durable, colorful begonias are incredibly versatile in sun and shade, acting as a thriller in large containers or providing masses of bold color in landscapes. Compared to Double Delight™, their habit is more upright; Double Up™ varieties are shorter and more mounded with smaller leaves. A reliable alternative to impatiens in areas where downy mildew is an issue.

SUREFIRE® CHERRY CORDIAL™ *Begonia x hybrida*

A bold color expansion for the series featuring deep chocolate foliage and vividly contrasting, red flowers displayed in full view for maximum visual impact. Slightly more mounded at maturity than Surefire Red, but very similar as a Grande™ crop. New this year.

SUREFIRE® White *Begonia x benariensis*

A fresh new color for Surefire. Large, white hot blossoms top the emerald green foliage of this showy begonia all season, delivering maximum flower power in sun and shade. One of the most vigorous and well-branched begonias of its kind. New this year.

Growing Tips for SUREFIRE®

- 150-200 ppm fertilizer for optimal growth.
- Flower drop should be expected. Time properly to decrease messiness.
- Pinching should not be necessary except to shape.
- Requires good drainage and air circulation.
- In growing group BB (see page 145).

Notes: Treat with preventative broad-spectrum fungicidal drench one week after transplant. Scout crops regularly for disease development. Good air circulation, control of humidity, and sanitation practices are critical.

AWARD WINNERS – SUREFIRE® *Begonia*

109 Awards including: Leader of the Pack, NC State; Best of the Best, University of Georgia; People's Pick, Oregon State; Top Performer In-Ground & Containers, Kansas State University



SUREFIRE® Red
Begonia x benariensis

SUREFIRE® White
Begonia x benariensis

Collection
Top Seller

SUREFIRE® Rose
Begonia x benariensis

SUREFIRE®
CHERRY CORDIAL™
Begonia x hybrida

DOUBLE DELIGHT[®] *Begonia*

🌱 20-36cm (8-14") Vigor: 2

Not just another tuberous begonia! Growers will appreciate the increased vigor, better branched habit and higher flower count of Double Delight begonias. Trials have also shown greater tolerance of *Xanthomonas* than other similar series. These elegant cascading begonias bear large, abundant blossoms that exude a sweet citrus-like fragrance. Increased sun tolerance makes them versatile for use in containers, hanging baskets, window boxes and monoculture containers. They perform well in full sun in the Northeast; southern growers will need to provide some afternoon shade.

AWARD WINNERS – DOUBLE DELIGHT[®] *Begonia*

11 awards including: Top Performer, Michigan State University; Top 10, University of Minnesota; Top Performer, University of Georgia

Growing Tips for DOUBLE DELIGHT[®] *Begonia*

- Prefers medium light conditions
- Warm, slightly dry conditions will speed rooting in
- Feed with 100-150 ppm N
- Tuberous begonias require long days for best growth and flowering. Grow under 14hr days if planted before April 1 and at least 12hr days for later plantings.
- Flower drop should be expected. Time properly to decrease messiness.
- In growing group BB (see page 145).

Notes: Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. To control stretch or hold a crop, 150 to 200 ppm Cycocel[®] may be used for growth regulation. Do not pinch.



DOUBLE DELIGHT[®] Primrose
Begonia 'KERBESPIQUP' USPP22638 CanPBRAF



DOUBLE DELIGHT[®] Blush Rose
Begonia 'KERBESPIROS' USPP29297 CanPBRAF

DOUBLE UP™ *Begonia semperflorens*

LANDSCAPE     20-46cm (8-18") Vigor: 2

Begonias are perhaps more popular with consumers than ever before, and these double-flowered bedding types are sure to be a big hit! Produced vegetatively to ensure excellent vigor, uniformity and durability, Double Up™ wax begonias are an outstanding 4" crop; they bloom early and are easy to hold at retail. Since they are daylength neutral, they can be produced any time of year. The flowers are self-cleaning, avoiding botrytis issues, and they bloom prolifically in sun and shade.

AWARD WINNERS – DOUBLE UP™ *Begonia*

80 awards including: Top Performer, Montreal Botanic Garden; Top Performer, Les Exceptionelles; Perfect Score All Season, Iowa State

Growing Tips for DOUBLE UP™ *Begonia*

- Prefers medium light conditions
- Warm, slightly dry conditions will speed rooting in
- Feed with 100-150 ppm N
- Flower drop should be expected.
Time properly to decrease messiness.
- In growing group BB (see page 145).

Notes:

Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. To control stretch or hold a crop, 150 to 200 ppm Cycocel® may be used for growth regulation. Do not pinch.



DOUBLE UP™ White
Begonia semperflorens

DOUBLE UP™ Pink
Begonia semperflorens

DOUBLE UP™ Red
Begonia semperflorens ¹LEGDDBLRED¹ USPP32686 CanPBRAF

CAMPFIRE® Flame

Bidens

LANDSCAPE   20-36cm (8-14") Vigor: 2

Growers will find this bidens easier to produce due to its increased resistance to powdery mildew, densely mounded, compact habit, and low to no seed set. Fiery orange flowers with a subtle yellow eye are produced on shorter, tighter plants that won't split open. It's the perfect short, tight size for edging landscape borders and smaller monoculture containers.

Growing Tips for *Bidens*

- Requires high light in production.
- 150-200 ppm fertilizer for optimal growth.
- Good air circulation, control of humidity and good sanitation practices are critical.
- In growing group AB (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. B-9 (2500 ppm) and Sumagic® (5 ppm) should be effective on Goldilocks Rocks and Campfire Flame.

AWARD WINNER – CAMPFIRE® Flame *Bidens*

18 Awards including: Perfect Score All Season, University of Minnesota; Top Performer, Michigan State University; Best of the Best-Bidens, Colorado State University

GOLDILOCKS ROCKS®

Bidens ferulifolia

LANDSCAPE   30-36cm (12-14") Vigor: 3

Growers will find this bidens is versatile in recipes as its compact size and restrained vigor helps it mix easily with other medium vigor varieties in hanging baskets and upright containers. The large, sunfast, true yellow flowers of this drought tolerant plant continue to bloom easily through the heat.

AWARD WINNER – GOLDILOCKS ROCKS® *Bidens*

12 Awards including: Top Performer-Best Bidens, Penn State; Best of Breed, JC Raulston Arboretum; Top Performer, Michigan State University



CAMPFIRE® Flame *Bidens* TMINBIDCAMEMTM USPP32647 CanPBRAF



GOLDILOCKS ROCKS® *Bidens ferulifolia* TMBID16101TM USPP32646 CanPBRAF

ENDLESS™ *Browallia*



30-41cm (12-16") Vigor: 2

Expanding the list of options for shade, Endless™ *Browallia* is a simple yet elegant, heat loving plant that requires little more than moisture to thrive in partial to full shade. Brilliant violet purple or white blooms dot the emerald green foliage all season without deadheading. Striking in monoculture containers and Grande™ containers, Endless is equally stunning mixed with other medium vigor varieties in shade loving hanging baskets.

AWARD WINNERS – ENDLESS™ *Browallia*

27 Awards including: Top Performer, Penn State; Best Varieties, Colorado State University; Top Performer, Ohio State University Extension; Excellent Cool Season, Disney

Growing Tips for ENDLESS™

- *Browallia* is a semi-tropical plant and prefers warmer production temps similar to Angelface® *Angelonia*. Avoid ordering too early if you do not have the ability to grow warm.
- Provide shade to bright filtered light in production.
- 75-100ppm fertilizer for optimum growth.
- *Browallia* requires a higher pH than Superbells®. If the pH is too low, yellowing foliage is the first sign. Monitor pH levels regularly.
- Good water management practices are critical to healthy plant growth.
- Good air circulation, control of humidity, and good sanitation practices are critical.
- In growing group CC (see page 145).

Notes: Pinch at 1-2 weeks after transplant. Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. Good sanitation practices include keeping greenhouses clean at all times, eliminating weeds and debris, disinfecting equipment and greenhouses as often as possible, and keeping hose ends off the floor.



Top 50

ENDLESS™ Illumination
Browallia 'UNHBR12' USPP18925



ENDLESS™ Flirtation
Browallia 'UNHBR18' USPP19822

HEART TO HEART® *Caladium*



Vigor: 2

As bold foliage plants continue to trend strongly, now is the time to expand your offerings of versatile tropicals like our Heart to Heart® caladiums. With varieties that can withstand every setting – from full sun to full shade in blazing heat – these bold foliage thrillers bring a tropical vibe to upright container recipes, hanging baskets and in-ground plantings. Growers will appreciate that all caladium bulbs we offer come de-eyed and painted, making it easy to grow predictably strong crops every time.

Sobkowich only

HEART TO HEART® 'Snow Flurry' *Caladium hortulanum* USPP31569

Sharply contrasting deep green and snow white tones and a taller, upright form set this eye-catching fancy leaf caladium apart. Growers will appreciate its tendency to sprout and finish quickly in production. Makes a statement in premium recipes and stands out on retail benches. New this year.

AWARD WINNERS – HEART TO HEART® *Caladium*

45 Awards including: Perfect Score All Season, Disney; Perfect Score All Season, Ohio State University; Best of Genus, Penn State

Growing Tips for HEART TO HEART® *Caladium*

- For ease of planting, the top of the bulb has been identified with white paint. Plant this side up!
- For sprouting tubers, the soil temperature must be kept at 70-78°F and grown with high 85-90% humidity
- Tubers typically sprout within 14-21 days except Snow Drift (7 days) and Flatter Me (28 days)
- Growing and finishing temperatures must be above 70°F. Avoid chilling temps of 60°F and below.
- Apply liquid feed at 75-100ppm N or use a 90-day controlled release fertilizer
- Prefers moderate light levels
- In growing group DD (see page 145).

Notes: Best grown in large Royale™ containers. Crops forced in January-February may take 8-10 weeks to finish, while May plantings can be as quick as 4-6 weeks. Treat with a broad spectrum fungicidal drench at transplant. Apply 2500ppm B-Nine® and 15ppm Bonzi® weekly; sprinch beginning 3-4 weeks before shipping.



HEART TO HEART® 'Snow Flurry'
Caladium hortulanum



Heartfelt Wonder –
HEART TO HEART® 'Scarlet Flame'
Caladium hortulanum
HEART TO HEART® 'White Wonder'
Caladium hortulanum

HEART TO HEART® 'Scarlet Flame'
Caladium hortulanum

HEART TO HEART® *Caladium*



30-51cm (12-20")



Vigor: 2

Sobkovich only

Sun or Shade Caladiums



HEART TO HEART®
'Blushing Bride'
Caladium hortulanum USPP22213



HEART TO HEART®
'Bold 'N Beautiful'
Caladium hortulanum USPP30696



HEART TO HEART®
'Bottle Rocket'
Caladium hortulanum USPP30651



HEART TO HEART®
'Chinook'
Caladium hortulanum USPP27094

Top Seller



HEART TO HEART® FAST
FLASH™ *Caladium*
hortulanum 'REF 2317-114' USPP27964



HEART TO HEART®
'Flatter Me'
Caladium hortulanum USPP27946



HEART TO HEART®
'Heart and Soul'
Caladium hortulanum USPP31567



HEART TO HEART®
'Heart's Delight'
Caladium hortulanum USPP23992



HEART TO HEART®
'Hot Flash'
Caladium hortulanum USPP27944



HEART TO HEART®
'Hot 2 Trot'
Caladium hortulanum USPPAF



HEART TO HEART®
'Mesmerized'
Caladium hortulanum USPP29545



HEART TO HEART® 'Radiance'
Caladium hortulanum USPP27095



HEART TO HEART®
'Rose Glow'
Caladium hortulanum USPP20070



HEART TO HEART®
'Scarlet Flame'
Caladium hortulanum USPP25419

Top Seller

CALADIUM
OF THE YEAR

Sun or Shade Caladiums



Top Seller

HEART TO HEART®
'Tickle Me Pink'
Caladium hortulanum USPP31061



HEART TO HEART®
'White Star'
Caladium hortulanum USPP21148



Top Seller

HEART TO HEART®
'White Wonder'
Caladium hortulanum USPP21044



HEART TO HEART®
'Xplosion'
Caladium hortulanum USPP31570



HEART TO HEART®
'Burning Heart'
Caladium hortulanum USPP27071

Shade Caladiums



HEART TO HEART®
'Caribbean Coral'
Caladium hortulanum USPP29546



HEART TO HEART®
'Clowning Around'
Caladium hortulanum USPP32252



HEART TO HEART®
'Dawn to Dusk'
Caladium hortulanum USPP23991



Top Seller

HEART TO HEART®
'Lemon Blush'
Caladium hortulanum USPP25450



HEART TO HEART®
'Raspberry Moon'
Caladium hortulanum USPP20069



HEART TO HEART®
'Snow Drift'
Caladium hortulanum USPP27072



NEW

HEART TO HEART®
'Snow Flurry'
Caladium hortulanum USPP31569



HEART TO HEART®
'Splash of Wine'
Caladium hortulanum USPP31599



HEART TO HEART®
VA VA VIOLET™ *Caladium hortulanum* 'PSY LAV 2322-5668' USPP28000

LADY GODIVA[®] *Calendula*



25-41cm (10-16") Vigor: 2



Broaden your spring and fall lineup of cold tolerant annuals with Lady Godiva Calendula. Our double-flowered cultivars have greatly reduced seed set as well as increased heat and drought tolerance, so the flowers keep right on coming all season. Good disease resistance makes them easier to produce, too. Try combining them with other medium vigor varieties in upright containers and landscapes.

AWARD WINNERS – LADY GODIVA[®]

36 Awards including: Top Performer, University of Guelph; Leader of the Pack, NC State; Top Performer, Cornell University; Outstanding Rating, Colorado State University

Growing Tips for LADY GODIVA[®]

- High light in production is essential.
- Good water management practices are critical. Avoid overhead watering late in the day and grow slightly dry.
- 150-200 ppm fertilizer for optimal growth.
- Using fertilizer high in ammonia can cause excessive vegetative growth and lack of flowers.
- In growing group AB. (see page 145).

Notes: Pinch at 1-2 weeks after transplant if needed. A routine fungicidal spray program is encouraged. Growth can be controlled using lower temperatures.



LADY GODIVA[®] Yellow
Calendula ^{kercalediyeil} USPP30869 Can6300



LADY GODIVA[®] Orange
Calendula ^{kercaledivimip} USPP32626 CanPBRAF

LADYBIRD® *Calylophus*

🌱 10-20cm (4-8") 🦋🚫 Vigor: 1

Ideal for growers in southern regions, these heat and drought tolerant plants are derived from a Texas native species and thrive in dry, sunny conditions where nights are relatively cool. Even in 100-degree weather, established plants only need water every few days. Use them for commercial or residential applications like you would *Evolvulus*.

LADYBIRD® Lemonade *Calylophus*™ WNCYLALEM™ USPP33980 CanPBRAF
Lemon yellow blossoms senesce to peach for an attractive two-toned look all over the low mounded foliage.

LADYBIRD® Sunglow *Calylophus*™ WNCYLASUN™ USPP34148 CanPBRAF
Produces brilliant yellow blossoms similar to its relative *Oenothera* with the benefit of not closing up at night.

Growing Tips for LADYBIRD®

- This is a high light, high heat loving plant. Know your growing environment and place your orders accordingly.
- Requires excellent drainage to grow well; grow plants dry to moderately dry and avoid overwatering to prevent Botrytis.
- 150-200ppm fertilizer
- Easy to get into flower for Mothers' Day
- In growing group BA (see page 145).

Notes: For hanging baskets and pots larger than 6" make a soft pinch at planting and trim around pot just prior to hanging. A second or third pinch will effectively increase branching and flowering and eliminate the need for PGRs. Cool growing conditions will slow the growth of the crop. Scout regularly for aphids which can be problematic.

AWARD WINNERS – LADYBIRD®

24 Awards including: Top Performer, University of Guelph; Top Performer, University of Laval; Top Performer, Les Exceptionelles; Best in Show, University of Tennessee; Best of Species, Penn State



LADYBIRD® Lemonade
Calylophus™ WNCYLALEM™ USPP33980 CanPBRAF



LADYBIRD® Sunglow
Calylophus™ WNCYLASUN™ USPP34148 CanPBRAF

SUPERBELLS® *Calibrachoa*



Often imitated. Never equaled.

With so many Calibrachos on the market, how do you choose the best? At Proven Winners, we trial and select for varieties that perform all summer and deep into the fall months, long past when they leave the grower's bench. We want both growers and gardeners to be successful so they keep coming back for more.

Superbells are available in a broad array of superb colors and patterns with larger blooms that keep on coming all season due in part to greater thielaviopsis resistance. Some are compact and mounding while others cascade over the edges of hanging baskets and upright containers, creating an endless array of combination opportunities.

SUPERBELLS® Double Yellow

Calibrachoa *** USPPAF CanPBRAF US Utility 7786342

An essential new addition to our popular Superbells Double line; coordinates easily with other bright colors in container recipes. Fully double, sunshine yellow flowers bloom early on robust, well-branched plants. Presents beautifully in Grande™ containers for retail. New this year.

SUPERBELLS® PRISM™ Pink Lemonade

Calibrachoa *** USPPAF CanPBRAF

You've asked and we're delivering – a color-changing calibrachoa that lives up to Superbells standards. This dynamic bicolor shifts its coloration as it reacts to varying light levels and daylength. Large blossoms open lemon yellow and transition to vibrant pink with both colors continually present at once on a full, mounded habit. Makes a fantastic monoculture container and mixes easily with other medium vigor plants. New this year.

SUPERBELLS® Yellow Improved *Calibrachoa* *** USPPAF CanPBRAF

The best single-flowered yellow calibrachoa we've trialed. Easy rooting, excellent disease resistance, an early bloom time, and large flowers held on the outside of the well-branched canopy make this a picture-perfect selection. Like all Superbells, it blooms continuously all season without deadheading. Improved this year.

AWARD WINNERS – SUPERBELLS® *Calibrachoa*

870 Awards including: Excellent Rating, Disney; Superior Rating, Penn State; Best of the Best, University of Georgia; Best Calibrachoa, Colorado State; Leader of the Pack, North Carolina State; Consumer Favorites, Cornell-Long Island; Top Performer, The Oregon Gardener; Top Performer, University of Guelph; Top Performer, University of Laval; Top Performer, Les Exceptionelles

Growing Tips for SUPERBELLS®

- Treat with preventive broad spectrum fungicidal drench one week after transplant.
- It is strongly suggested that growers use caution when using Medallion® or any other fungicide with the active ingredient fludioxonil due to potential leaf spotting on calibrachos.
- Requires high light in production.
- 150-200 ppm fertilizer for optimal growth.
- Keep pH between 5.5 and 5.8.
- Yellow tips are often an indicator of high pH.
- Blue has a tendency to stretch under low light conditions.
- Use PGRs with caution on all Calibrachoa.
- Cold is a good natural growth regulator.
- More vigorous varieties like Lemon Slice and Pomegranate Punch may need additional early pinch or PGR treatment in low light environments.
- In growing group AA (see page 145).

Notes: For all sizes of containers, pinch the liner 1–2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. 5-10 ppm Sumagic® or a B-Nine®/Cycocel (2500/750) tank mix is effective. Use 500 ppm Florel® or 1-3 ppm Bonzi® drench on baskets and larger containers to promote branching. Calibrachoa are sensitive to pythium, phytophthora, and thielaviopsis, but Superbells have higher levels of tolerance to these diseases. Proper pH and good sanitation practices help alleviate problems. Increased air circulation, proper water management, and good soil porosity are also critical. Scout regularly for aphids and thrips, especially in baskets.

Reduce pH in Hanging Baskets

Generally in cold, cloudy weather you want a Cal-Mag blend of fertilizer with high nitrate nitrogen, as this grows a better plant in winter conditions. Use a high ammonium nitrogen fertilizer to slowly lower media pH, but there is a catch. Under winter's low light and temperature conditions, high ammonium fertilizers can cause ammonium toxicity and cause the crop to grow too fast (meaning more PGRs will be required). Quick changes in pH usually cause additional problems. Other ways to reduce pH are to add more acid to your fertilizer injector and increase the overall acidity, but use care as you can also cause precipitation of some of the fertilizer elements if not handled properly.



SUPERBELLS® DREAMSICLE® *Calibrachoa*, SUPERBELLS® YELLOW CHIFFON™ *Calibrachoa*, COLORBLAZE® SEDONA SUNSET® *Coleus* and CHARMED® Wine *Oxalis*



NEW

SUPERBELLS® Double Yellow *Calibrachoa* *** USPPAF CanPBRAF US Utility 7786342



IMPROVED

SUPERBELLS® Yellow Improved *Calibrachoa* *** USPPAF CanPBRAF



NEW

SUPERBELLS® PRISM™ Pink Lemonade *Calibrachoa* *** USPPAF CanPBRAF

NEW

IMPROVED

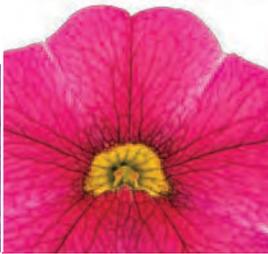
SUPERBELLS® *Calibrachoa*

   15-30cm (6-12")  Vigor: 2

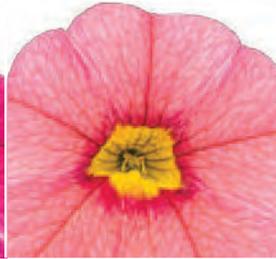
Superbells® Classic



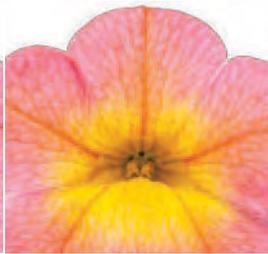
SUPERBELLS® Blue
Calibrachoa ^{USCAL151} USPP14874 Can1931



SUPERBELLS® Cherry Red
Calibrachoa ^{USCAL23101} USPP27010 Can5318



SUPERBELLS® Coralina
Calibrachoa ^{INCALMIABE} USPP28036 Can5556



SUPERBELLS® Coral Sun
Calibrachoa ^{BBCAL98001} USPP32648 CanPBRAF



SUPERBELLS® DREAMSICLE®
Calibrachoa ^{INCALDRSIM} USPP32917 CanPBRAF

Top 50



SUPERBELLS® HOLY COW!™
Calibrachoa ^{BBCAL85303} USPP30840 Can6290
US Utility US9313959



SUPERBELLS® HOLY MOLY!®
Calibrachoa ^{USCALCHSTM} USPP28243 Can6140
US Utility US9313959



SUPERBELLS® HOLY SMOKES!®
Calibrachoa ^{BBCAL85805} USPP30838 Can6291
US Utility US9313959



SUPERBELLS® HONEYBERRY™
Calibrachoa ^{BBCAL91303} USPP32690 CanPBRAF



SUPERBELLS® LEMON SLICE®
Calibrachoa ^{USCAL5302M} USPP24353 Can4917

Top 50



SUPERBELLS® Miss Lilac
Calibrachoa ^{USCAL8750Z} USPP23230 Can4593



SUPERBELLS® OVER EASY™
Calibrachoa ^{KLECA16314} USPP29741



SUPERBELLS® Pink
Calibrachoa ^{USCAL111} USPP14968 Can1927



SUPERBELLS® Plum
Calibrachoa ^{BBCAL76001} USPP29872 Can6054



SUPERBELLS® Red
Calibrachoa ^{INCALIMRED} USPP29075 Can5772

Top 50



SUPERBELLS® Tropical Sunrise
Calibrachoa ^{INCALTRSUN} USPP29029 CanPBRAF

Top 50



SUPERBELLS® White
Calibrachoa ^{Balcal14141} USPP30200

Top 50



SUPERBELLS® Yellow Improved
Calibrachoa ^{****} USPPAF CanPBRAF

IMPROVED

Top 50



SUPERBELLS® YELLOW CHIFFON™
Calibrachoa ^{USCAL4021} USPP19480 Can3631

Superbells® Punch



Top 50

SUPERBELLS® BLACKCURRANT PUNCH™
Calibrachoa 'BBCAL81801' USPP30839 Can6288



SUPERBELLS® BLUE MOON PUNCH™
Calibrachoa



Top 50

SUPERBELLS® GRAPE PUNCH™
Calibrachoa 'JGCAL09404' USPP29760 Can5784



Top 50

SUPERBELLS® POMEGRANATE PUNCH™
Calibrachoa 'USCAL08501' USPP24503 Can4915



SUPERBELLS® STRAWBERRY PUNCH™
Calibrachoa 'USCAL58205' USPP22941 Can4590



SUPERBELLS® TANGERINE PUNCH™
Calibrachoa 'BBCAL82201' USPP30785 Can6289



SUPERBELLS® WATERMELON PUNCH™
Calibrachoa 'BBCAL82402' USPP32651 CanPBRAF

Superbells® Prism™ Superbells® Star



NEW

SUPERBELLS® PRISM™ Pink Lemonade
Calibrachoa *** USPPAF CanPBRAF



SUPERBELLS® CARDINAL STAR™
Calibrachoa 'USCAL69404' USPP29667 Can6055
US Utility US9313959



SUPERBELLS® Cherry Star
Calibrachoa 'USCAL91001' USPP23232 Can4594
US Utility US9313959



SUPERBELLS® EVENING STAR™
Calibrachoa 'BBCAL87705' USPP30837 CanPBRAF
US Utility US9313959



SUPERBELLS® RISING STAR™
Calibrachoa 'KLECA16006' USPP29433 Can6303
US Utility US9313959

Superbells® Double



SUPERBELLS® Double Amber
Calibrachoa 'KLECA20428' CanPBRAF
US Utility US7786342



SUPERBELLS® Double Blue
Calibrachoa 'INCALDOBLL' USPP32649 CanPBRAF
US Utility US7786342



SUPERBELLS® Double Chiffon
Calibrachoa 'USCAL51505' USPP30803 Can6292
US Utility US7786342



SUPERBELLS® Double Orange
Calibrachoa 'KLECA20459' CanPBRAF
US Utility US7786342



SUPERBELLS® Double Ruby
Calibrachoa 'USCAL83901' Can4591 US Utility US7786342



NEW

SUPERBELLS® Double Yellow
Calibrachoa *** USPPAF CanPBRAF US Utility 7786342



SUPERBELLS® Double TWILIGHT™
Calibrachoa *** USPPAF US Utility US7786342



SUPERBELLS® Doublette LOVE SWEPT™
Calibrachoa 'USCAL81302' USPP30804 Can6293 US Utility US7786342

Superbells Photoperiod Response

An independent trial conducted in a controlled environment revealed the following timing for Superbells *Calibrachoa*. It is applicable for growers worldwide.

Less than 12 hours (Day Neutral Response)
Superbells® Evening Star™
Superbells® Coral Sun
Superbells® Yellow Improved
Flowers best over 12 hours (Facultative Long-day Response)
Superbells® White
Superbells® Holy Smokes!®
Superbells® Honeyberry™
Superbells® Double Ruby
Superbells® Rising Star™
Superbells® Cardinal Star™
Superbells® Coralina
Superbells® Doublette Love Swept™
Superbells® Holy Cow!®
Superbells® Holy Moly!®
Superbells® Double Twilight™
Superbells® Double Amber
Superbells® Blue Moon Punch™
Superbells® Pomegranate Punch™
Superbells® Blackcurrant Punch™
Superbells® Tropical Sunrise
Superbells® Red
Superbells® Tangerine Punch™
Superbells® Dreamsicle®
Superbells® Grape Punch™
Superbells® Double Orange
Superbells® Double Blue
Superbells® Prism™ Pink Lemonade
Superbells® Lemon Slice®
Superbells® Cherry Star
Superbells® Cherry Red
Superbells® Plum
Needs more than 13 hours (Obligate Long-day Response)
Superbells® Double Yellow
Superbells® Double Chiffon
Superbells® Pink
Superbells® Blue
Superbells® Over Easy™
Superbells® Yellow Chiffon™
Superbells® Miss Lilac
Superbells® Strawberry Punch™
Superbells® Watermelon Punch™

Contact your propagator to discuss options using “programmed liners” to shorten flowering times.

Ever wonder what the top-selling Superbells are?

Here’s the entire list in order by Canadian propagator liner sales.

- Superbells® Grape Punch™
- Superbells® Lemon Slice®
- Superbells® Yellow
- Superbells® Pomegranate Punch™
- Superbells® Dreamsicle®
- Superbells® White
- Superbells® Tropical Sunrise
- Superbells® Red
- Superbells® Blackcurrant Punch™
- Superbells® Coral Sun
- Superbells® Evening Star™
- Superbells® Doublette Love Swept™
- Superbells® Yellow Chiffon™
- Superbells® Tangerine Punch™
- Superbells® Blue Moon Punch™
- Superbells® Double Ruby
- Superbells® Pink
- Superbells® Holy Smokes!®
- Superbells® Holy Moly!®
- Superbells® Watermelon Punch™
- Superbells® Cherry Red
- Superbells® Holy Cow!™
- Superbells® Blue
- Superbells® Double Twilight™
- Superbells® Over Easy™
- Superbells® Double Orange
- Superbells® Plum
- Superbells® Honeyberry™
- Superbells® Coralina
- Superbells® Strawberry Punch™
- Superbells® Double Chiffon
- Superbells® Double Amber
- Superbells® Cherry Star
- Superbells® Double Blue
- Superbells® Double Orchid
- Superbells® Rising Star™
- Superbells® Cardinal Star™
- Superbells® Miss Lilac

TOUCAN® *Canna x generalis*



76-122cm (30-48")



Vigor: 4

These cannas are fast, vigorous, highly disease resistant and as easy to grow as petunias in greenhouse production. Recommend them as bold-foliage, flowering thrillers for large containers or for mass plantings in landscapes. Sell early in 4.25 Grande™ containers and in 1.0 Royale™ or larger containers through summer.

Growing Tips for TOUCAN®

- Warmth and moisture are essential to growing high quality Cannas. Temperatures should not drop below 60-65° F; chilling injury may delay the crop.
- Do not use irrigation frequency to control plant size. Crop can be run slightly dry but drying to wilt stage will cause leaf burn and drop. Good water management practices are critical to healthy growth.
- To maximize growth, use a fertilizer with a complete micronutrient mix; these Cannas grow fast and use a lot of food. 200-300ppm is the optimum rate.
- Watch for spider mites, especially if plants are not actively growing.
- Plants will normally flower in 7-10 weeks at optimal temperatures.
- In growing group DE (see page 145).

Notes: While the Toucan® series can be grown in 4.5" and quart containers, we recommend the 1.0 Royale™ or 1 gallon size container as optimum for ease in production and sales. A drench of 1-4 ppm paclobutrazol can be used to help hold a crop or if control of growth is desired. Check manufacturers' labels for approved rates and usage recommendations.

AWARD WINNERS – TOUCAN® *Canna*

236 Awards including: Top Performer, Longwood Gardens; Excellent Rating, University Laval; Excellent Warm Season, Disney; Top Performer, University of Guelph; Perfect Score All Season, Ohio State



TOUCAN® Scarlet
Canna x generalis



TOUCAN® Yellow
Canna x generalis



TOUCAN® Coral
Canna x generalis

SEÑORITA *Cleome*



Growers and gardeners have grown to love the Proven Winners line of thornless, seedless, odorless, non-sticky cleomes. They exhibit excellent heat, humidity and drought tolerance, bloom spring through fall and have minimal oedema issues. Grow in Royale™ containers for best display.

AWARD WINNER – SEÑORITA *Cleome*

245 Awards including: Outstanding Rating, Disney Trials; Top Performer, Colorado State University; Top Performer, Michigan State University; Top Performer, Texas A&M; Top Performer, Oregon State University; Leader of the Pack, North Carolina State University

Growing Tips for *Cleome*

- 200-300 ppm fertilizer for optimal growth.
- Take care not to overwater.
- Pinch once, two weeks after liner planting. A second pinch may be necessary for large containers.
- PGRs should not be necessary.
- These varieties should NOT have oedema problems.
- In growing group BB (see page 145).

Notes: Treat with preventative broad spectrum fungicidal drench one week after transplant. Scout crops regularly (at least once a week) for disease development. Good air circulation, control of humidity, and good sanitation practices are critical. Good water management practices are critical to healthy plant growth.



SEÑORITA ROSALITA®
Cleome ^{INCLEOSR} USPP19733 Can3290
61-122cm (24-48")



SEÑORITA BLANCA®
Cleome ^{INCLESBIMP} USPP27011 Can5504
61-122cm (24-48")

FLAMBÉ® Yellow

Chrysocephalum apiculatum

LANDSCAPE   20-36cm (8-14") Vigor: 2

The unique blooms of this plant are truly enchanting, with small sprays of tiny spherical flower heads that appear in clusters in the spring and summer. An exceptionally adaptable plant, this sun lover has a spreading habit and is drought tolerant and easy to grow.

Growing Tips for FLAMBÉ®

- Requires high light in production.
- 150-200 ppm fertilizer for optimal growth.
- Pinch once, two weeks after liner planting. May be cut back if desired.
- B-9 at 2500 ppm can help to control stretch under low light.
- In growing group BC (see page 145).

Notes: Watch for aphids, leaf miners, and white flies. Can be susceptible to crown and stem rots if grown in cool, damp conditions. Maintain good air movement.

AWARD WINNER – FLAMBÉ® *Chrysocephalum*

30 Awards including: Excellent Rating, Massachusetts Horticultural Society; Excellent Rating, Boerner Botanical Garden, Milwaukee, Wisconsin; Best of Breed, North Carolina State

COLORBLAZE® *Plectranthus* (Coleus)

LANDSCAPE      

With vibrant color and season-long performance, the ColorBlaze collection of coleus is a must-have for your spring lineup. These foliage plants are bold, versatile, easy to grow, and extremely popular with gardeners. All are late-flowering varieties that hold their form throughout the season. They are tolerant of varying light conditions and are among the fastest-selling plants in any program.

Note: *Plectranthus* was formerly known as *Solenostemon*.

COLORBLAZE® MINI ME™ Watermelon *Plectranthus* (Coleus)

A small but mighty, novel form for ColorBlaze that brings new opportunities for smaller container recipes. Feathery textured, lance-shaped, watermelon red leaves edged in chartreuse form a compact, highly branched plant with no pinch or PGRs needed. Displays excellent vigor despite its dwarf size. New this year.

Growing Tips for COLORBLAZE®

- Establish in a warm environment. Plants subject to chilling may be stunted.
- 150-200 ppm fertilizer for optimal growth.
- One to two pinches can be used to increase branching and for shaping. For small container sizes, this may not be necessary; larger containers will probably require pinching. Florel® can increase branching and reduce flowering. Cycocel/B-9 tank mix or Sumagic® spray at 3-5 ppm will help control growth if needed.
- In growing group BC (see page 145).

AWARD WINNER – COLORBLAZE® *Plectranthus*

844 Awards including: Top Performer, Ohio State; Leader of the Pack, North Carolina State; Top Performer, Kansas State; Top Performer, Oregon State University; Top Performer Sun and Shade, Texas A&M



FLAMBÉ® Yellow
Chrysocephalum apiculatum ^{Flochryel} USPP19175 Can3280



COLORBLAZE® MINI ME™ Watermelon
Plectranthus (Coleus)

30-51cm (12-20") Vigor: 2

COLORBLAZE® *Plectranthus* (Coleus)



**Collection
Top Seller**

COLORBLAZE® WICKED WITCH™
Plectranthus (Coleus)
61-102cm (24-40")
Vigor: 4

**Collection
Top Seller**

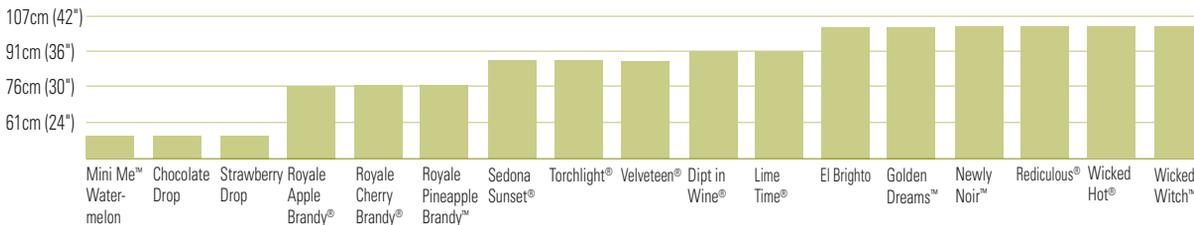
COLORBLAZE® El Brighto
Plectranthus (Coleus)
61-102cm (24-40") Vigor: 4

COLORBLAZE® NEWLY NOIR™
Plectranthus G1815Z USPP34111 Can/PBRAAF (Coleus)
61-102cm (24-40") Vigor: 4

COLORBLAZE® GOLDEN DREAMS™
Plectranthus (Coleus)
61-102cm (24-40") Vigor: 4

COLORBLAZE® WICKED HOT®
Plectranthus (Coleus)
61-102cm (24-40") Vigor: 4

COLORBLAZE Comparison Chart





COLORBLAZE® LIME TIME®
Plectranthus ^{UF12-30-6} USPP27140 (Coleus)
51-91cm (20-36") Vigor: 3

Collection
Top Seller



Collection
Top Seller

COLORBLAZE® REDICULOUS®
Plectranthus (Coleus)
61-102cm (24-40") Vigor: 4

COLORBLAZE® TORCHLIGHT®
Plectranthus (Coleus)
61-86cm (24-34") Vigor: 4



COLORBLAZE® Dipt in Wine
Plectranthus (Coleus)
51-91cm (20-36") Vigor: 4



COLORBLAZE® VELVETEEN®
Plectranthus (Coleus)
61-86cm (24-34") Vigor: 3



Collection
Top Seller

COLORBLAZE® SEDONA SUNSET®
Plectranthus ^{UF16-1-20} USPP30586 (Coleus)
61-86cm (24-34") Vigor: 4

COLORBLAZE® Royale *Plectranthus* (Coleus)



For a tidier look in combinations and smaller containers, choose the more compact, tightly branched ColorBlaze Royale varieties.



Collection
Top Seller

COLORBLAZE® Royale
APPLE BRANDY®
Plectranthus (Coleus)
51-76cm (20-30") Vigor: 3

COLORBLAZE® Royale
CHERRY BRANDY®
Plectranthus (Coleus)
51-76cm (20-30") Vigor: 3

COLORBLAZE® Royale
PINEAPPLE BRANDY™
Plectranthus (Coleus)
51-76cm (20-30") Vigor: 3

COLORBLAZE® Drop *Plectranthus* (Coleus)



Exclusive to Proven Winners, these trailing varieties form a wide spreading mound of small, scalloped leaves. They are an excellent component for container recipes when paired with other vigorous plants; also makes a colorful small-scale groundcover.



COLORBLAZE® Chocolate Drop
Plectranthus (Coleus) *KakegawaCE2' USPP15371 Can2085
36-46cm (14-18") Vigor: 4

COLORBLAZE® Strawberry Drop
Plectranthus (Coleus) *KakegawaCE5' USPP15827 Can2087
36-46cm (14-18") Vigor: 4

'Coffee Cups' and HEART OF THE JUNGLE® *Colocasia esculenta*

LANDSCAPE   91-152cm (36-60") Vigor: 3

As tropicals continue to trend upward, there's never been a better time to expand your offering of tropical container plants. Our *Colocasias* make dynamic thrillers in large container recipes, similar to how Heart to Heart™ *Caladiums* bring a tropical vibe to small and medium sized container combinations. They are equally spectacular in the landscape where they appreciate some protection from high winds.

'Coffee Cups' *Colocasia esculenta*

Capitalize on the tropical trend by adding this distinctive *Colocasia* with dramatically cupped, olive green foliage and mocha accents.

HEART OF THE JUNGLE® *Colocasia esculenta*

Earn instant tropical appeal by adding this huge heart-leafed, dark green, black-stemmed cultivar to combinations, landscapes and pond plantings.

AWARD WINNER – 'Coffee Cups' *Colocasia*

26 awards including: Perfect Score, Michigan State University; Top Performer, NC State; Perfect Score, University of Tennessee

Growing Tips for *Colocasia*

- Prefers medium to high light conditions
- Feed with 150-200ppm N
- Warm temperatures are needed in production and for garden performance
- Chlorotic tips can be an indicator of chill damage
- In growing group BC (see page 145).

Notes: Scout regularly for spider mites, especially if greenhouses are very cool and air circulation is limited. Consider a preventative Kontos® drench application 2 weeks after transplant or start a biological control program. Careful reduction of production temperatures is a good natural growth regulator. Sprenc or drench application of +1 ppm Sumagic® can also be used to control stretch; may need more than one application under low light or crowded conditions.

AWARD WINNER – HEART OF THE JUNGLE® *Colocasia*

30 awards including: Perfect Score, Oregon State University; Best of Species, Penn State; Top Performer, NC State



'Coffee Cups'
Colocasia esculenta

HEART OF THE JUNGLE®
Colocasia esculenta

FAIRY DUST® Pink

Cuphea ramosissima

   26-41cm (10-16") Vigor: 3

Meet your new go-to plant for heat and drought tolerant combinations. Appearing like a pink-flowered Diamond Frost®, this cuphea forms an airy cloud of delicate blooms on densely branched panicles all season. You'll only need to try this unique plant once before you'll want to grow it every year.

Growing Tips for FAIRY DUST®

- Requires high light in production.
- Avoid overwatering, especially early in the crop cycle.
- Plants can be run a little dry but not to the point of wilt, which causes leaf burn.
- 150-200 ppm fertilizer for optimal growth.
- In growing group BC. (see page 145).

Notes: Pinch at 1-2 weeks after transplant if needed.

AWARD WINNER – FAIRY DUST® Pink *Cuphea*

21 Awards including: Best in Trial, Massachusetts Horticultural Society; Best of Breed, NC State; Top Performer, Penn State; Excellent Warm Season, Disney

VERMILLIONAIRE®

Cuphea

   46-71cm (18-28")  Vigor: 3

Vermillionaire is an absolute hummingbird magnet. It's extremely heat and humidity tolerant and is very low maintenance. Though it's drought tolerant, it can also tolerate higher moisture levels. Vermillionaire features a well-branched, mounding growth habit and produces deep-orange tubular flowers that cover the plant from spring through first frost. Although Vermillionaire is a cuphea, it's not prone to oedema.

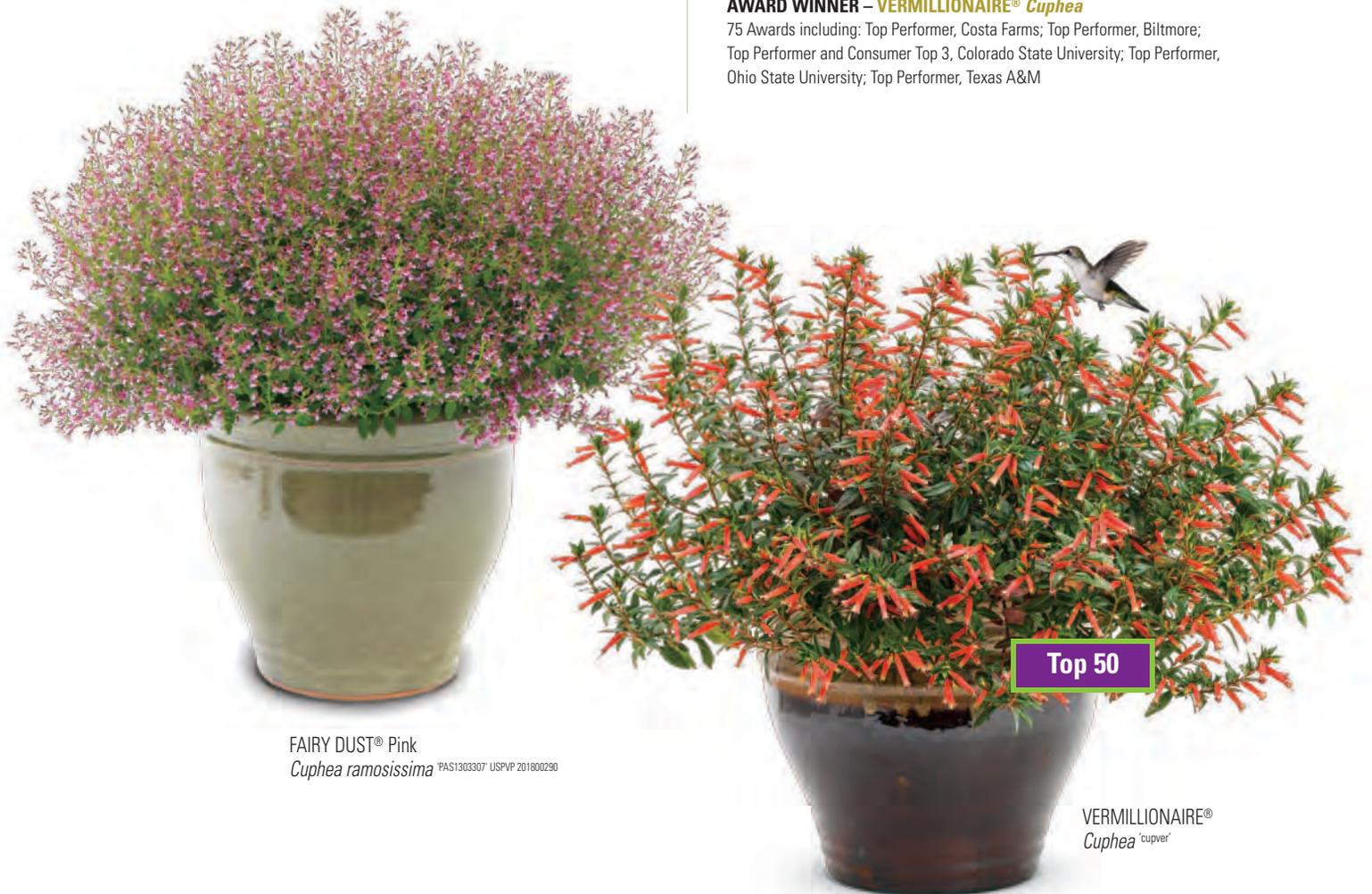
Growing Tips for VERMILLIONAIRE®

- 150-200 ppm N
- Drying out plant to wilt will cause leaf burn and leaf drop. Can be run a little dry but not to wilt.
- Watch for thrips, whiteflies and aphids.
- Treat with preventative broad spectrum fungicidal drench one week after transplant.
- In growing group CC (see page 145).

Notes: B-Nine® may be used at 1500-2500ppm two weeks after pinching. Bonzi® is also effective.

AWARD WINNER – VERMILLIONAIRE® *Cuphea*

75 Awards including: Top Performer, Costa Farms; Top Performer, Biltmore; Top Performer and Consumer Top 3, Colorado State University; Top Performer, Ohio State University; Top Performer, Texas A&M



FAIRY DUST® Pink
Cuphea ramosissima PAS1303307 USPVP 201800290

VERMILLIONAIRE®
Cuphea ^{cupver}

DIAMOND *Euphorbia*



Among the most versatile annuals in our lineup, Diamond Euphorbias offer a range of habits for every use, from hanging baskets to edging borders or competing with the most vigorous varieties in recipes. They are exceptionally heat and drought tolerant, providing a refined texture for elegant combinations in sun and shade.

DIAMOND FROST® *Euphorbia* ¹Inneuphdi^a USPP17567 Can2830

Diamond Frost is like your friend who gets along with everyone she meets – it combines easily with many kinds of plants, weaving its wiry stems in and out, poking its single, airy white flowers throughout the combination. Often imitated but never equaled!

DIAMOND MOUNTAIN® *Euphorbia* ^{****}USPPAF CanPBRAF

This super-sized Euphorbia makes magnificent hanging baskets and extra-large upright containers when combined with our most vigorous plants like Supertunia Vista® petunias. It's also spectacular in the landscape, growing similar in size to a spirea shrub.

DIAMOND SNOW® *Euphorbia* ¹INCHADIACL¹ USPPAF CanPBRAF

Double, bright white flowers are produced on vigorous, densely branched plants. Its habit is just airy enough to allow its medium vigor companions to weave between its stems to form stunning container recipes.

Growing Tips for DIAMOND Euphorbia

- High light is required in production.
- 150-200 ppm fertilizer for optimal growth.
- Preventive fungicides are recommended 1 week after transplant.
- Warm and slightly dry conditions after transplanting speeds root-in and growth.
- Can have an adverse reaction to shipping in a box, but even plants that look bad will rebound in a short time.
- Severe dry down can cause foliage to drop; however, the plant will recover.
- Benefits from a light shearing 2-3 weeks after transplanting.
- In growing group BB (see page 145).

Notes: No pinch necessary, but plants can be pinched to shape. Winter flowering occurs in Sunbelt states. Very sensitive to Florel®.

AWARD WINNERS –

DIAMOND FROST® *Euphorbia*

178 Awards including: Rising Star, Dallas Arboretum; Best of the Best, University of Georgia; Superior Rating, Colorado State; Top Performer, Ohio State

DIAMOND MOUNTAIN® *Euphorbia*

39 Awards including: Top Performer, University of Guelph; Perfect Score, Oregon State University; Top Performer, Jardin Daniel A Seguin; Top 10, North Carolina State University

DIAMOND SNOW® *Euphorbia*

44 Awards including: Perfect Score All Season, University of Minnesota; Top Performer, Iowa State; Leader of the Pack, JC Raulston Arboretum



Top 5

Top 50

DIAMOND FROST®
Euphorbia ¹Inneuphdi^a USPP17567 Can2830

30-46cm (12-18") Vigor: 3

DIAMOND SNOW®
Euphorbia ¹INCHADIACL¹ USPP32682 CanPBRAF

30-46cm (12-18") Vigor: 3

DIAMOND MOUNTAIN®
Euphorbia ^{****}USPPAF CanPBRAF

61-91cm (24-36") Vigor: 4

MYSTIC ILLUSION *Dahlia*

LANDSCAPE    46-91cm (18-36")  Vigor: 3

An absolute rock star in the landscape, clear lemon yellow, single blooms really pop against the dark foliage. The plants are resistant to powdery mildew, making them easier for growers to manage with fewer inputs. Mystic Illusion is suitable for 4.25" Grande™ and 1.0 Royale™ containers as well as combinations.

Growing Tips for MYSTIC ILLUSION

- Requires high light in production.
- 150-200ppm fertilizer for optimum growth.
- Plants are rarely affected by powdery mildew outdoors.
- Most Dahlias are long day plants. Provide long days or night interruption lighting to induce blooming if finishing before the first of April.
- Good water management practices are critical to healthy plant growth.
- Good air circulation, control of humidity, and good sanitation practices are critical.
- In growing group BB (see page 145).

Notes: Do a soft pinch at 1-2 weeks after transplant if needed. Plants can be pinched to shape. Shearing growth tips encourages fuller growth. Hard pinches can stall growth. Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. Scout crops regularly (at least once a week) for disease development.

AWARD WINNER – MYSTIC Illusion *Dahlia*

38 Awards including: Best New Variety, Colorado State University; Hall of Fame, Cincinnati Zoo and Botanical Garden; Top Performer, Missouri Botanic Garden



MYSTIC Illusion
Dahlia "Knockout" USPP18839

HIGH NOON® *Euryops pectinatus*

  25-36cm (10-14")  Vigor: 2

Growers in warm climates know *Euryops* as an easy to grow, heat loving plant. Much like we've done with *Evolvulus* with the introduction of Blue My Mind®, we've refined *Euryops* by giving it large flowers and a denser, compact habit with long flower stems that help it mix easily in baskets and upright recipes. We've also made it easier to get into flower in cooler climates. Grower trials have shown that its semi-succulent, thick leaves handle dry down better than other *Euryops*. It mixes beautifully with other heat loving plants like Luscious® *Lantana* and Angelface® *Cascade Angelonia*.

Growing Tips for HIGH NOON®

- Prefers high light conditions
- Feed with 150-200 ppm N
- Easier for Northern growers to get into flower compared to typical *Euryops*
- In growing group AB (see page 145).

Notes: Treat with preventative broad spectrum fungicidal drench at transplant. Good air circulation, water management, control of humidity, and sanitation practices are critical. Scout regularly for aphids and thrips, which can be problematic. Be sure to check hanging baskets that are hanging high.

AWARD WINNER – HIGH NOON® *Euryops*

15 awards including: Top Performer, Daniel A. Seguin Garden; Top Performer, Montreal Botanic Garden; Top Performer, Domaine Joly - De Lotbiniere



HIGH NOON®
Euryops pectinatus "EUR 16001" USPP32669 CanPBRAF

BLUE MY MIND® *Evolvulus*

LANDSCAPE  10-20cm (4-8") Vigor: 2

A staple for the South and anyone looking for true blue color. Stunning sky blue flowers are borne on heat, humidity and drought tolerant plants, pulling through the toughest conditions with ease. Choose from two cultivars which differ only in their size.

BLUE MY MIND® *Evolvulus* 'USEV01201' USPP24447 Can4918

An improvement over 'Blue Daze', featuring larger flowers and a better branched habit. More compact than XL.

BLUE MY MIND® XL *Evolvulus* 'RMEV028301' USPP34052 CanPBRAF

Everything you love about the original, now 30-50% larger. Ideal for mass plantings where the longer stems cover more ground, a trait that also makes it easy to use in recipes.

Growing Tips for BLUE MY MIND®

- This is a HOT season crop. Nighttime temps below 65°F (18°C) will slow growth.
- Cold, wet conditions can double the crop time and cause crop loss. Warm, slightly dry conditions after transplanting speeds rooting. Do not bring this crop in until you can provide warm growing conditions. Protect from all frost.
- High light is essential.
- 100ppm fertilizer will help to avoid high EC levels.
- Withstands drought but growth and flowering are better with consistent moisture.
- In growing group CC (see page 145).

Notes: Pinch once, two weeks after transplanting. Do not use Florel® as it can cause leaf drop and leaf curl. PGRs should not be necessary.

AWARD WINNERS – BLUE MY MIND®/BLUE MY MIND® XL *Evolvulus*

108 Awards including: Top Performer, Texas A & M; Best of Show, University of Wisconsin; Top Performer, Massachusetts Horticulture Society at Elm Banks; Top Performer In-Ground and Containers, Kansas State University; Top Performer, University of Laval

TRUFFULA™ Pink *Gomphrena pulchella*

LANDSCAPE  56-71cm (22-28")  Vigor: 4

This vegetative *Gomphrena* has a tidier appearance than most, retaining its bushy shape without splitting when in full bloom. It thrives in heat and humidity and is drought tolerant once rooted in. Pollinators flock to its hot pink, cotton ball-shaped blooms from spring into fall. Makes an excellent cut and dried flower. Pair it with other high vigor varieties or grow it as a specimen in large containers and landscapes.

Growing Tips for TRUFFULA™ Pink

- High light and good air circulation are essential to producing a quality crop.
- Long days are required for peak blooming.
- 150-200ppm fertilizer for optimal growth.
- Grow in 4.25 Grande™ and 1.0 Royale™ containers, monocultures or in combination with other high vigor varieties.
- In growing group BC (see page 145).

Notes: Pinch 1–2 weeks after transplant. A second pinch may be needed when growing plants in larger containers. Paclobutrazol applied at 1-3 ppm as a drench can help shape or hold the crop, but go slowly and learn how the crop performs in your greenhouse.

AWARD WINNER –

TRUFFULA™ Pink *Gomphrena*

101 Awards including: Top Performer, University of Guelph; Top Performer, Jardin Daniel A Seguin; Top Performer, Les Exceptionelles; Top Performer, University of Guelph



ANNUAL OF THE YEAR

TRUFFULA™ Pink
Gomphrena pulchella 'PASTIG17E' USPP31728 Can6276



BLUE MY MIND®
Evolvulus 'USEV01201' USPP24447 Can4918
Spread: 20-41cm (8-16")

BLUE MY MIND® XL
Evolvulus 'RMEV028301' USPP34052 CanPBRAF
Spread: 30-51cm (12-20")

HEAT IT UP® *Gaillardia*



30-61cm (12-24") Vigor: 3



We've been incredibly impressed with these vegetatively produced *Gaillardia* in our trials, especially their strong resistance to white smut (*Entyloma polysporum*). This trait, along with their uniform habit, great vigor and earliness to bloom makes them easy for growers to produce. They are a favorite of pollinators, have native Texan roots, are long blooming, and are heat tolerant. They are beautiful in mass plantings in landscapes and in monoculture containers.

HEAT IT UP® Scarlet *Gaillardia* 'G15272' USPP32692 CanPBR/AF

Spicy orange-red flowers with slight yellow tips are produced for months on vigorous, uniform plants.

HEAT IT UP® Yellow *Gaillardia* 'G15270' USPP32654 CanPBR/AF

Bouquets of solid sunshine yellow flowers appear for months on evenly mounded plants.

AWARD WINNER – HEAT IT UP® *Gaillardia*

106 Awards including: Perfect Score All Season, University of Tennessee; Top Performer, Ohio State University; Perfect Score All Season, Oregon State University; Top Performer, Les Exceptionnelles

Growing Tips for HEAT IT UP®

- Requires high light in production.
- Long days will speed and enhance flower development.
- Vernalization: Cold beneficial
- Feed with 150-200ppm N.
- Good air circulation and water drainage is important. Use a moisture retentive soil that drains well. Plants can tolerate low water once established in the landscape.
- In growing group AB (see page 145).

Notes: Pinch liners 1-2 weeks after transplant. A second pinch may be needed for larger containers. Grow in 4.25 Grande™ and 1.0 Royale™ containers.



HEAT IT UP® Yellow
Gaillardia 'G15270' USPP32654 CanPBR/AF

HEAT IT UP® Scarlet
Gaillardia 'G15272' USPP32692 CanPBR/AF

STRATOSPHERE™ and KARALEE® *Gaura lindheimeri*

LANDSCAPE  30-61cm (12-24") Zones 6-11  Vigor: 3

Lovely in landscapes or as thrillers in combination containers, gauras add height, wispy texture, and movement to the design. Their graceful stems bear non-stop blooms through the heat of summer.

Growing Tips for KARALEE® and STRATOSPHERE™

- Requires high light in production.
- 200 ppm fertilizer for optimal growth.
- In response to cool temperatures, spots can appear on gaura foliage during normal production. This is a physiological response – not a viral infection.
- In growing group AB (see page 145).

Notes: Pinch once, two weeks after liner planting. Growth regulation not needed. Winter flowering occurs in Sunbelt states.

AWARD WINNERS – STRATOSPHERE™ and KARALEE® *Gaura*
19 Awards including: Top Performer, Penn State; Arboretum Approved, Dallas Arboretum; Perfect Score All Season, Michigan State University



STRATOSPHERE™ White
Gaura lindheimeri 'Gautalwhi' USPP16565



STRATOSPHERE™ Pink Picotee
Gaura lindheimeri 'Gaudipin' USPP18237 Can3031



KARALEE® Petite Pink
Gaura lindheimeri 'DGAUR137' USPP30562 Can6076

Annual GRACEFUL GRASSES®

Don't miss these essential component plants for your premium container recipes! Our Graceful Grasses collection features a broad assortment of festive grasses and grasslike plants of all sizes, from the waterfall spiller of fiber optic grass to the towering Vertigo fountain grass and every size in between.

GRACEFUL GRASSES® QUEEN TUT™ *Cyperus prolifer*

A new size and look for this royal series. Shorter like Baby Tut, but a more finely textured plant with more petite but plentiful, starburst-like umbels. Useful as a smaller scale thriller in container recipes and a striking accent for water features. Vigorous plants continually produce fresh plumes all season. New this year.

GRACEFUL GRASSES® 'Curly Wurly' *Juncus effusus*

This distinctive corkscrew rush makes a whimsical addition to container recipes, landscape designs and water gardens. Spiral, dark green foliage emanates in all directions from a dense central crown. A fun selection of a zone 5-9 hardy native species that is evergreen in areas with mild winters. New this year.

Cultural Information for GRACEFUL GRASSES®

For cultural information on each of the Graceful Grasses, go to www.provenwinners.com, click on Professionals, then under the Growers section click Cultural Information. There, you can search for specific culture information on Graceful Grasses.



GRACEFUL GRASSES®
QUEEN TUT™ *Cyperus prolifer*

LANDSCAPE    46-61cm (18-24") Vigor: 3
In growing group BC (see page 145).

GRACEFUL GRASSES®
KING TUT® *Cyperus papyrus*

LANDSCAPE    122-183cm (48-72") Vigor: 4
In growing group BC (see page 145).

GRACEFUL GRASSES®
PRINCE TUT™ *Cyperus papyrus*

LANDSCAPE    46-76cm (18-30") Vigor: 4
In growing group BC (see page 145).

Top 50



GRACEFUL GRASSES® Purple Fountain Grass
Pennisetum setaceum 'Rubrum'

LANDSCAPE 76-91cm (30-36") Vigor: 3
In growing group CB (see page 145).



GRACEFUL GRASSES® VERTIGO® *Pennisetum purpureum* 'Tift 8' USPP22254 CanPBRAF

LANDSCAPE 122-244cm (48-96") Vigor: 4
In growing group BB (see page 145).



GRACEFUL GRASSES® 'Fireworks' *Pennisetum* 'Rubrum' USPP18504

LANDSCAPE 61-76cm (24-30") Vigor: 3
In growing group CB (see page 145).



GRACEFUL GRASSES® BABY TUT®
Cyperus involucratus

LANDSCAPE 46-61cm (18-24") Vigor: 4
In growing group BC (see page 145).



GRACEFUL GRASSES® 'Sky Rocket' *Pennisetum* USPP21497

LANDSCAPE 61-76cm (24-30") Vigor: 3
In growing group CB (see page 145).

NEW

Annual GRACEFUL GRASSES®

continued



NEW

GRACEFUL GRASSES®
'Curly Wurlly' *Juncus effusus*

LANDSCAPE 30-46cm (12-18") Vigor: 2

In growing group BB (see page 145).

GRACEFUL GRASSES®
BLUE MOHAWK® *Juncus inflexus*

LANDSCAPE 61-91cm (24-36") Vigor: 2

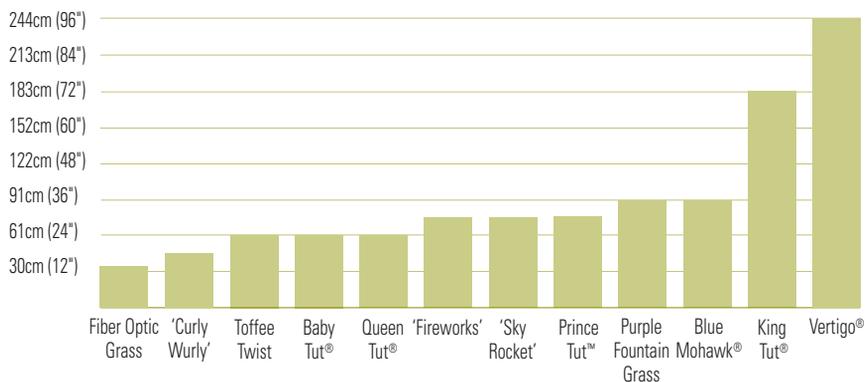
In growing group BB (see page 145).

GRACEFUL GRASSES®
Fiber Optic Grass *Isolepis cernua*

25-36cm (10-14") Vigor: 2

In growing group CB (see page 145).

Graceful Grasses by mature height



AWARD WINNERS – GRACEFUL GRASSES®

414 Awards including: Excellent Rating, Massachusetts Horticultural Society; Leader of the Pack, North Carolina State; Top Performer, Michigan State; Top Performer, Texas A&M; Top Performer, Colorado State University

AUGUSTA™ Lavender *Heliotropium*

LANDSCAPE    30-61cm (12-24") Vigor: 3 

If you think you know heliotrope, it's time to take another look. We've been incredibly impressed with this revolutionary variety that gives a classic genus a total reboot thanks to more advanced breeding. It is impressively vigorous, strongly upright, and densely branched, and was selected for its outstanding garden performance through hot, humid conditions. Use it as a prominent purple thriller or filler paired with other medium vigor varieties in containers and landscapes.

Growing Tips for AUGUSTA™ Lavender

- Bright, warm growing conditions speed this crop along.
- Avoid wet soil and moisture on the foliage in low light and cool environments.
- 150-200ppm fertilizer
- Chlorotic foliage is often an indicator that the soil is too wet. Grow in well-drained, well-aerated soil for best rooting.
- In growing group BC (see page 145).

Notes: Pinch the liner 1-2 weeks after transplant; for pots larger than 6" and for hanging baskets, make a second soft pinch and trim around the edge of the container just prior to hanging. Treat with a preventative broad spectrum fungicidal drench two weeks after transplant. 5-10 ppm Sumagic® or B-Nine® at 2500ppm is effective at controlling growth. Scout regularly for aphids and whitefly which can be problematic.

AWARD WINNERS – AUGUSTA™ Lavender

22 Awards including: Perfect Score, Oregon State University; Perfect Score, Ohio State University; Best of Breed, NC State; Perfect Score, Texas Tech University



GRACEFUL GRASSES® Toffee Twist
Carex flagellifera

LANDSCAPE    46-61cm (18-24") Vigor: 2

In growing group BB (see page 145).



AUGUSTA™ Lavender
Heliotropium WVNHPAULAV USPP34004 CanPBRAF

SUNCREDIBLE® *Helianthus*



61-91cm (24-36")

Vigor: 4



These multiflora sunflowers check all the boxes of what today's consumers are looking for: easy and fun to grow, long blooming with little care, supports pollinating bees and butterflies, and deer resistant. Well-branched plants carry a multitude of blossoms that can be harvested for an extraordinary 16-18 weeks. Suncredible Yellow has demonstrated strong resistance to powdery mildew, allowing for easy production and extending its garden performance through the entire growing season.

AWARD WINNERS – SUNCREDIBLE® *Helianthus*

130 Awards including: Best of the Best, University of Georgia; Top Performer, Michigan State University; Perfect Score All Season, Oregon State University; Top Performer, University of Guelph; Top Performer, University of Laval; Top Performer, Les Exceptionnelles

Growing Tips for SUNCREDIBLE®

- Moderate to high light levels in production.
- Feed with 150-200ppm N
- Good air circulation, control of humidity and good sanitation practices are critical to producing healthy plants.
- Do not withhold moisture to control height; wilting will stunt the crop.
- Suncredible Yellow is a long day beneficial/facultative short day plant. Suncredible Saturn is long day beneficial.
- Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant.
- In growing group BA (see page 145).

Notes: A hard pinch is required to improve branching and control vigor. For 8 flowering branches, wait until 6-7 nodes develop on the stem, then pinch the shoot tips leaving 4 nodes/8 leaves. For 4 flowering branches, pinch to 2 nodes/4 leaves. Repeated applications of lower level PGRs is better than using high rates less frequently. Drench with 2-3ppm Bonzi® or a tank mix of 5000ppm B-Nine® and 1000ppm Cycocel® 1-2 weeks after pinching. Repeat a 2-3ppm Bonzi drench at first sign of visible buds, then drench again with 2ppm Bonzi when the flowers are starting to crack their color to hold for finishing. Southern growers will need to use slightly higher PGR rates; add 1-2ppm to these rates.



SUNCREDIBLE® SATURN™
Helianthus *** USPPAF CanPBRAF
US Utility Patent Applied For

SUNCREDIBLE® Yellow
Helianthus *** USPPAF CanPBRAF
US Utility Patent Applied For

HIPPO® *Hypoestes phyllostachya*



41-56cm (16-22") Vigor: 2

Hypoestes got a makeover! This series of super-sized, vegetative varieties does what Snow Princess did to seed alyssum. They're big, bushy, and won't bolt into flower soon after planting since they were selected against flowering and seed set. Use them like you would a coleus, providing season-long color in combination containers and landscapes in part sun or shade. This is one versatile plant you can easily recommend to every gardener.

AWARD WINNERS – HIPPO® *Hypoestes*

144 Awards including: Top Performer, University of Guelph; Excellent Rating, University Laval; Perfect Score All Season, Michigan State University; Consumer Favorite, Ohio State; Best of Breed, NC State

Growing Tips for HIPPO®

- Prefers warmer production temperatures; avoid chilling.
- 150-200 ppm fertilizer for optimal growth.
- Do not use irrigation frequency to control plant size. Can be run a little dry, but drying to the point of wilt will cause leaf burn and drop.
- Adapts to any light level but sharp changes in light can stress plants and damage the foliage.
- In growing group CB. (see page 145).

Notes: Pinch at 1-2 weeks after transplant if needed. Treat with preventative broad spectrum fungicidal drench 1-2 weeks after transplant. B-Nine may be used at 1500-2500ppm two weeks after transplant. Bonzi is also effective. Check manufacturer labels for approved rates and usage recommendations.



HIPPO® White *Hypoestes phyllostachya* 'G15180' USPP30505 CanPBRAF

HIPPO® Red *Hypoestes phyllostachya* 'G14158' USPP32914 CanPBRAF

HIPPO® Rose *Hypoestes phyllostachya* 'G14160' USPP29842 Can6131

Collection
Top Seller

ROCKAPULCO® *Impatiens walleriana*

🌱 🌞 🌿 25-51cm (10-20") Vigor: 2

Rockapulco varieties feature unbeatable performance, plus the biggest, brightest, and most abundant flowers you'll find in double impatiens. Rockapulco varieties have excellent branching, uniformity, and a full range of color options, making them an ideal choice for premium containers.

AWARD WINNERS – ROCKAPULCO® *Impatiens*

83 Awards including: Leader of the Pack, North Carolina State; Prairie Star, Kansas State; Top Performer, Smithsonian

Growing Tips for ROCKAPULCO®

- 100-150 ppm fertilizer for optimal growth.
- Requires moderate light intensity for optimal growth. Reduce light intensity when temperatures are high to prevent flower and leaf burning as well as bud drop.
- Apply Bonzi® (3-10 ppm) once or twice to control growth. Higher rates may be necessary in Southern production areas.
- Moderate drying of media will enhance flowering and control stretch. Too much drying can cause leaf scorch under high light.
- Leach periodically to keep salt levels in container low.
- In growing group BB (see page 145).

Notes: No pinching needed. Watch for thrips.



ROCKAPULCO® Rose
Impatiens walleriana 'Balolestop' USPP13639



ROCKAPULCO® White
Impatiens walleriana 'BFP-7812' USPP11365 Can0643



ROCKAPULCO® Red
Impatiens walleriana 'Balfiedaled' USPP16626 Can2549



ROCKAPULCO® Wisteria
Impatiens walleriana 'Balfiestarp'



ROCKAPULCO®
Appleblossom *Impatiens walleriana* 'Balfieplos' USPP13637 Can1520

BETH'S BLUE® *Isotoma axillaris*

LANDSCAPE 🌱 25-36cm (10-14") Vigor: 2

This outstanding heat tolerant annual has long been popular for its unique star-shaped, blue lavender flowers and its interesting texture for containers and landscapes. Once vernalized, it puts on an airy show of blooms all season until frost.

Growing Tips for BETH'S BLUE®

- Flowers heaviest when grown cool (45-55°F). Growing cooler will bulk up the plants and increase flower formation, however it will also increase production time.
- Beth's Blue liners must be vernalized for optimal spring production.
- Great for growing in cold greenhouses where blooming begins to peak when temperatures warm up.
- Display and sell in cool greenhouse areas or grow outside if possible. A great companion to other cool season crops.
- 150-200 ppm fertilizer for optimum growth.
- In growing group AB (see page 145).

Notes: Pinching is not necessary. Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. Scout crops regularly (at least once a week) for disease development. Water early in the day so foliage is dry by nightfall to decrease likelihood of disease.

AWARD WINNER – BETH'S BLUE® *Isotoma*

18 Awards including: Best Performer, Dallas Arboretum; Best of Breed, JC Raulston Arboretum



ROCKAPULCO® Coral Reef
Impatiens walleriana 'Balcorae' USPP22992



ROCKAPULCO® Purple
Impatiens walleriana 'BALFIEPRIM' USPP18867 Can3361



ROCKAPULCO® Orange Shades
Impatiens walleriana 'Balfiecoran' USPP31904 CanPBRAF



BETH'S BLUE®
Isotoma axillaris

SWEET CAROLINE UPSIDE™ *Ipomoea batatas* .91-1.83m (3-6') Vigor: 4

Climbing Ipomoea began as novel invention in the industry and has since been greatly improved. Our new Upside varieties exhibit the best branching and habit of any in our trials, filling trellises fully with a robust mass of attractively dissected foliage. We recommend selling them in 1.0 Royale™ containers with a trellis for best display at retail and using them as a dramatic thriller in premium hanging basket recipes. These are consumer-friendly, low maintenance vines that thrive with little maintenance in full sun to part sun.

Sweet Caroline UPSIDE™ BLACK COFFEE™

Ipomoea batatas **** USPPAF CanPBRAF

Deep burgundy purple, dissected leaves are similar in shape to Sweet Caroline Raven™, growing quickly to form a robust twining or trailing mass. New this year.

Sweet Caroline UPSIDE™ Key Lime

Ipomoea batatas **** USPPAF CanPBRAF

Bright chartreuse foliage similar in shape to 'Sweet Caroline Light Green' scrambles quickly up trellises or hanging basket wires and trails several feet long. New this year.

Growing Tips for Sweet Caroline UPSIDE™

- Upright climber; supports or trellis will help this crop grow in the right direction.
- 150-200 ppm N
- This crop loves the heat and humidity. For the fastest crops, keep production temperatures over 70°F and keep fertility levels fairly high.
- Good air circulation, control of humidity, and good sanitation practices are critical.
- Good water management practices are critical to healthy plant growth.
- In growing group CC (see page 145).

Notes: Treat with a preventative broad spectrum fungicidal drench 1-2 weeks after transplant. Scout crops regularly (at least once a week) for disease development. Scout for aphids, thrips and spider mites.



Trellis available for co-ex and injection containers produced by HC/Dillen.



Sweet Caroline UPSIDE™
Key Lime *Ipomoea*



Sweet Caroline UPSIDE™
BLACK COFFEE™ *Ipomoea*

SAFARI™ *Jamesbrittenia* 15-30cm (6-12") Vigor: 2

Expand your options for mounded to trailing plants for hanging baskets and upright container recipes with this unique genus which is a relative of *Sutera*. It handles heat and humidity far better and delivers a stronger summer performance. In our trials, we were able to easily produce full, healthy liners with no rooting issues and had no trouble with powdery or downy mildew. Well-drained soil is important, so we recommend growing *Jamesbrittenia* in containers rather than landscapes.

SAFARI™ Dawn *Jamesbrittenia* 'INJAMSADAW' USPP34115 CanPBRAF

A unique selection with flowers that transition through rose pink and lavender shades with a prominent yellow eye.

SAFARI™ Sky *Jamesbrittenia* 'INJAMSASKY' USPP34114 CanPBRAF

A cool lilac purple selection that bears a white halo around a gold eye. Unlike Safari™ Dawn whose color shifts, this variety remains consistent as its slightly larger flowers age.

Growing Tips for SAFARI™

- Grow in high light with good air circulation. Avoid moisture settling on the foliage when light levels are low; excessive moisture can lead to Botrytis and mildews.
- Avoid overwatering, especially early in the crop cycle. Can be run a little dry but not to the point of wilt which will cause leaf burn.
- 150-200ppm fertilizer
- Cooler growing conditions and higher light quality can be used to manipulate final plant size but be mindful of disease potential if doing so.
- In growing group BB (see page 145).

Notes: Pinch the liner 1-2 weeks after transplant if needed; for pots larger than 6" and for hanging baskets, make a second soft pinch and trim around the edge of the container just prior to hanging. If required, daminozide applied at 500 ppm is effective. Treat with a preventative broad spectrum fungicidal drench 1-2 weeks after transplant. Scout regularly for aphids and whitefly which can be problematic.

AWARD WINNERS – SAFARI™ *Jamesbrittenia*

19 Awards including: Top Performer, University of Guelph; Top Performer, University of Laval; Top Performer, Les Exceptionelles; Perfect Score, Oregon State University; Best of Breed, NC State



SAFARI™ Sky
Jamesbrittenia 'INJAMSASKY' USPP34114 CanPBRAF



SAFARI™ Dawn
Jamesbrittenia 'INJAMSADAW' USPP34115 CanPBRAF

LUSCIOUS® *Lantana camara*



One of the most reliable recommendations you can make for customers looking for sun, heat and drought tolerant flowers that attract pollinators. Fragrant Luscious Lantana are rock stars in the landscape and add season-long color to window boxes, patio pots and hanging baskets.

Choose Luscious Royale varieties for their smaller size that fits easily into any container as a monoculture or paired with other medium vigor varieties. Choose standard Luscious varieties for full-sized, mega flower power. All our Lantanas set little to no seed and are daylength neutral.

LUSCIOUS® Basket TANGELO™

Lantana camara *** USPPAF CanPBRAF

Created to shine in hanging baskets, this dynamic mounded trailing lantana works as a filler and spiller in recipes where it won't take over when paired with other medium vigor varieties. It bears large clusters of vivid yellow flowers that transition into tropical coral colors. New this year.

LUSCIOUS® Royale LEMON TART™

Lantana camara *** USPPAF CanPBRAF

Replacing Luscious® Bananarama™, this new cultivar forms a more compact and polished, upright globe-shaped mound covered in bright lemon yellow flowers. It shines as both a monoculture and as a filler in recipes. Easy and efficient in production. New this year.

Growing Tips for LUSCIOUS®

- 150-250 ppm fertilizer for optimal growth.
- High light in production is essential.
- Warm and slightly dry conditions after transplanting speeds root in and growth.
- Use caution with Florel®, as it can cause leaf drop and leaf curl.
- For best results, northern growers may want to order first shipments in mid-spring when temperatures and light levels rise. Cold and wet conditions can double crop time.
- In growing group CB (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. PGRs should not be needed. Winter flowering occurs in Sunbelt states. Luscious Marmalade may require a second pinch for shaping.

Luscious Grape is a true trailing variety. This may require an additional pinch to fill out 4-5" containers. Crop time will be about 2 weeks longer than others in the series and can be shortened by increasing the number of liners per container.

AWARD WINNERS – LUSCIOUS® *Lantana*

495 Awards including: Top Performer, Michigan State; Leader of the Pack, North Carolina State; Top Pick, Missouri Botanic Garden; Outstanding Rating, Disney Trials; Top Performer, University of Delaware; Best Overall Impression, Oregon State University; Top Performer, University of Guelph

Luscious Comparison Chart

Variety Name	Vigor	Habit	Height	In Combos
Basket Tangelo™	2	Mounded Trailing	30-66 cm (12-26")	Yes, with any
Berry Blend™	3	Mounding	51-76 cm (20-30")	Yes, with vigorous companions
Citron™	3	Mounding	51-76 cm (20-30")	Yes, with vigorous companions
Citrus Blend™	3	Mounding	51-76 cm (20-30")	Yes, with vigorous companions
Goldengate™	3	Mounding	51-76 cm (20-30")	Yes, with vigorous companions
Grape	2	Trailing	25-36 cm (10-14")	Yes, with any
Marmalade	3	Mounding	51-76 cm (20-30")	Yes, with vigorous companions
Pinkberry Blend™	3	Mounding	51-76 cm (20-30")	Yes, with vigorous companions
Royale Cosmo	2	Upright Globe	30-66 cm (12-26")	Due to habit, mix with trailing plants
Royale Lemon Tart™	2	Upright Globe	30-66 cm (12-26")	Due to habit, mix with trailing plants
Royale Piña Colada	2	Upright Globe	30-66 cm (12-26")	Due to habit, mix with trailing plants
Royale Red Zone	2	Upright Globe	30-66 cm (12-26")	Due to habit, mix with trailing plants



LUSCIOUS® Royale LEMON TART™
Lantana camara *** USPPAF CanPBRAF



LUSCIOUS® Basket TANGELO™
Lantana camara *** USPPAF CanPBRAF

NEW



LUSCIOUS® GOLDENGATE™
Lantana camara *** USPPAF CanPBRAF



Collection
Top Seller

LUSCIOUS® BERRY BLEND™
Lantana camara *LAN 876* USPP23919 Can4905



Collection
Top Seller

LUSCIOUS® Royale RED ZONE™
Lantana camara UF-1013-1* USPPAF CanPBRAF



Collection
Top Seller

LUSCIOUS® CITRUS BLEND™
Lantana camara *Balandustbi* USPP32018 CanPBRAF

LUSCIOUS® *Lantana camara*



LUSCIOUS® Marmalade
Lantana camara 'G12-166' USPP27378 Can5309

LUSCIOUS® Royale Piña Colada
Lantana camara 'LANZ0004' USPP24641 Can4647



Collection
Top Seller

LUSCIOUS® Royale Cosmo
Lantana camara 'DLANTAN95' USPP30592 Can6077



LUSCIOUS® CITRON™
Lantana camara 'Ballany177' USPP32829 CanPBRAF



LUSCIOUS® PINKBERRY BLEND™
Lantana camara '***' USPPAF CanPBRAF



LUSCIOUS® Grape
Lantana montevidensis 'Robwpur' USPP19357 Can3637

LAGUNA® *Lobelia erinus*



15-30cm (6-12")



Vigor: 2

Bred to take the summer heat better than typical lobelias, these varieties are compact yet full, semi-upright plants covered in true blue, violet or white, self-cleaning blossoms. They are ideal low maintenance plants for hanging baskets, window boxes, combination containers, and landscapes.

LAGUNA® Compact Blue with Eye Improved

Lobelia erinus *** USPPAF CanPBR/AF

This upgraded lobelia exhibits stronger color impact due to its larger, more tightly packed, electric blue flowers with a bright white eye. Bred for increased heat tolerance, it holds a month longer in the summer heat. Improved this year.

Growing Tips for LAGUNA®

- Preventive fungicides are recommended one week after transplanting.
- Grow cool with good air circulation once established.
- Requires high light in production and higher light and longer days to flower early.
- Needs 150-200 ppm fertilizer for optimal growth.
- In growing group BB (see page 145).

Notes:

For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. 5-10 ppm Sumagic® spray is effective, if needed.

AWARD WINNERS – LAGUNA® *Lobelia*

42 Awards including: Best of the Best, University of Georgia; Best of Species, Penn State; Leader of the Pack, North Carolina State; Top Performer, Calgary Zoo and Botanic Garden; Gold Medal, University of Illinois Master Gardeners; Top Performer, Longwood Gardens; Consumer Choice, University of Florida - Fort Lauderdale; Top Performer, Les Exceptionelles



LAGUNA® CLOUD WHITE™
Lobelia erinus *** WNL0LAQLWH USPP34159 CanPBR/AF



LAGUNA® Sky Blue
Lobelia erinus *** WNL0LASXBL USPP32655 CanPBR/AF



LAGUNA® Compact Blue with Eye Improved
Lobelia erinus *** USPPAF CanPBR/AF

LAGUNA® *Lobelia erinus* continued

LANDSCAPE    15-30cm (6-12")  Vigor: 2



LAGUNA® ULTRAVIOLET™
Lobelia erinus *** USPP27338 CanPBRAF



LAGUNA® Dark Blue
Lobelia erinus USLOB0901* USPP27338 Can4076



SNOW PRINCESS®
Lobularia INLBUSNOPR* USPP21594 Can4189

25-41cm (10-16")



BLUSHING PRINCESS®
Lobularia INLBUBLUPR* USPP24516 Can4779

25-41cm (10-16")

PRINCESS and KNIGHT *Lobularia*



Our collection of vegetative, heat tolerant *Lobularia* is exceptional in terms of habit, blooms, fragrance, and vigor choices. The Princess varieties are big, showy bloomers that are well-matched with other vigorous growers, while the Knights are more restrained and pair well with medium-vigor plants. All form trailing mounds of fragrant blooms from spring through fall without deadheading.

Growing Tips for PRINCESS AND KNIGHT

- Requires high light in production.
- Take care not to hang above plants that are sensitive to petal drop since *Lobularia* tends to shed.
- Grow cool for best results, but growing too cold can cause purpling of the foliage.
- Very fast and vigorous grower.
- Needs 150-200 ppm fertilizer for optimal growth.
- In growing group AC (see page 145).

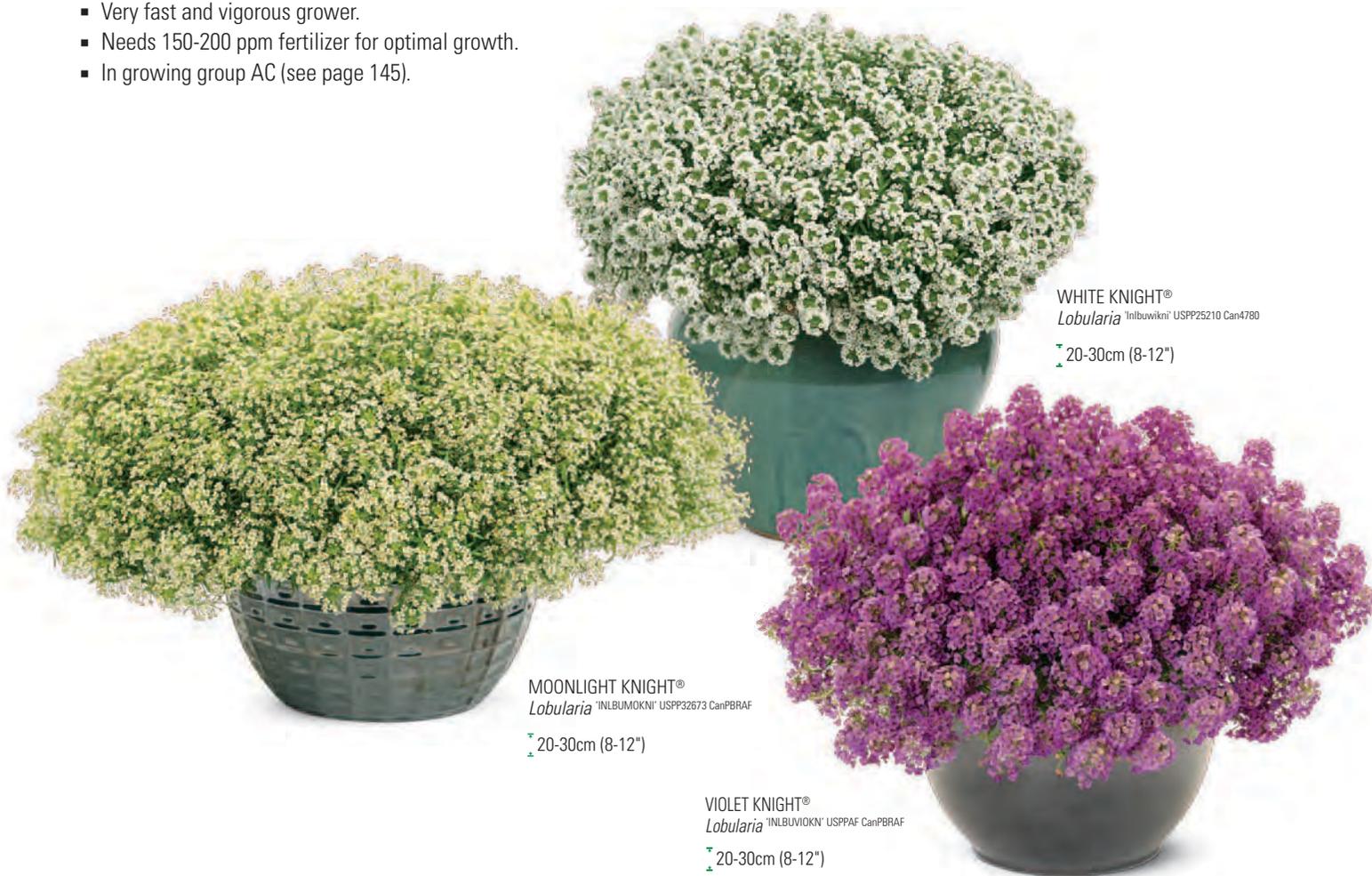
Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets.

Blushing Princess: Color is enhanced with brighter light and cooler temperatures. Growers in low light or warm houses can expect some fading of color intensity, but plants darken quickly once outside.

If you are used to growing Snow Princess and needing PGRs to control growth, reduce your PGR level for Blushing Princess, and grow your first crops of Violet Knight and White Knight with minimal PGRs.

AWARD WINNERS – Princess and Knight *Lobularia*

335 Awards including: Excellent Rating, Boerner Botanical Garden, Milwaukee, Wisconsin; Outstanding Rating, Disney Trials; Top Performer, Cornell University; Top Performer, University Laval; Top Performer, Cornell University; Top Performer, Les Exceptionnelles



MOONLIGHT KNIGHT®
Lobularia 'INLBIUMOKNI' USPP32673 CanPBRAF
20-30cm (8-12")

WHITE KNIGHT®
Lobularia 'INLBUWKNI' USPP25210 Can4780
20-30cm (8-12")

VIOLET KNIGHT®
Lobularia 'INLBUVIOKNI' USPPAF CanPBRAF
20-30cm (8-12")

Lobularia Comparison Chart

Variety name	Vigor	Color	Foliage	In Combos
Snow Princess®	4	White	Dark green	Only with the most vigorous companion plants
Blushing Princess®	4	White-lavender	Medium green	With vigorous companion plants
White Knight®	3	White	Medium green	With half the vigor of Snow Princess, it is a better companion for less vigorous plants
Violet Knight®	3	Purple	Medium green	Vigor between White Knight and Blushing Princess, it is a better companion for less vigorous plants
Moonlight Knight®	3	Soft yellow	Medium green	With half the vigor of Snow Princess, it is a better companion for less vigorous plants

SUNSATIA® *Nemesia*

   15-25cm (6-10") Vigor: 2

This is the collection that epitomizes the art and science of plant breeding. Very showy and dramatic in borders, hanging baskets, and containers. All varieties have a full, attractive habit and are ideal for early spring. Sunsatia are exceptionally cold tolerant and incredibly colorful.

AWARD WINNERS – SUNSATIA® *Nemesia*

15 Awards including: Excellent Rating, Disney Trials; Consumer Top Choice, Cornell-Long Island

Growing Tips for SUNSATIA®

- Grow these plants on the dry side.
- Preventive fungicides are recommended 1 week after transplant.
- High light is required in production.
- Air circulation, proper water management, and good soil porosity are critical.
- Use well-drained media only.
- Requires 150-200 ppm fertilizer for optimal growth.
- In growing group AA (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. Cold temperatures will also control growth. Sensitive to pythium, phytophthora, and thielaviopsis. Rhapsody and other copper-based fungicides are effective as a preventative application.



SUNSATIA® Coconut
Nemesia ¹Intraivhitwo[™] USPP23087 Can4347



SUNSATIA® Lemon
Nemesia ¹Intraigoldtwo[™] USPP23062 Can4345



SUNSATIA® BLOOD ORANGE™
Nemesia ¹INNEMLORA[™] USPP28355 Can5606
10-14"



SUNSATIA® Cranberry Red
Nemesia ¹INNEMORARE[™] USPP32857 CanPBRAF

Bluebird *Nemesia fruticans*

   25-30cm (10-12") Vigor: 2

An essential annual for spring color bowls, window boxes and landscapes, this cold tolerant annual knows how to start the season off right. Its rich blue, clove-scented blossoms do not require deadheading for continuous bloom. Bluebird's habit is sturdy, compact and well-branched. It has exhibited excellent heat tolerance, blooming well into the summer months.

Growing Tips for Bluebird

- Preventive fungicides are recommended one week after transplant.
- Florel® at 500 ppm is effective at increasing branching.
- Sumagic® at 5 ppm and cold temperatures are effective at controlling growth.
- Requires 150-200 ppm fertilizer for optimal growth.
- In growing group AA (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets.

AWARD WINNER – Bluebird *Nemesia*

5 Awards including: Top Performer, Michigan State; Best of Breed for Winter, North Carolina State, JC Raulston Arboretum; Superior Rating, Penn State; Top Performer, Ohio State; Best of the Best, University of Georgia



Bluebird *Nemesia fruticans* ^{Hubbird} USPP12014 Can1634

AROMANCE® *Nemesia fruticans*

   25-46cm (10-18") Vigor: 2

Look to our Aromance line of *Nemesia* to provide intense fragrance to your spring color bowls and baskets, cash 'n carry containers and early season lineup. Their large, showy flowers appear early and persist through summer thanks to greatly improved heat tolerance and an ability to handle summer rains with ease.

AROMANCE® Mulberry *Nemesia fruticans* ^{****} USPPAF CanPBRAF

Highly fragrant, rich plum-fuchsia and lavender bicolor blooms on bushy, upright plants appear early and go long thanks to notable heat tolerance. Sets no seed; no deadheading needed for continuous bloom. Cooler fall nights stimulate a whole new flush of flowers that persist until frost. New this year.

Growing Tips for AROMANCE®

- Provide high light levels in production.
- Feed with 150-200ppm N.
- Good water management practices are critical to healthy plant growth.
- A 500ppm application of Florel is effective at increasing branching. It can also be used to schedule flowering; flowers will appear 4 weeks after application.
- In growing group AA (see page 145).

Notes: Removing buds and flowers at transplant isn't necessary but can be beneficial. Treat with a preventative broad spectrum fungicidal drench 1-2 weeks after transplant. Pinch liners 1-2 weeks after transplant if needed. A 5ppm application of Sumagic® and cold temperatures can be used to control growth.

AWARD WINNER – AROMANCE® *Nemesia*

21 Awards including: Perfect Score All Season, Oregon State University; Best *Nemesia*, Penn State; Leader of the Pack, JC Raulston Arboretum



AROMANCE® Pink *Nemesia fruticans* ^{11NEMAROP1} USPP32656 CanPBRAF

AROMANCE® Mulberry *Nemesia fruticans* ^{****} USPPAF CanPBRAF

INFINITY® New Guinea Impatiens

LANDSCAPE  25-36cm (10-14") Vigor: 1

Highly recommended alternatives to *I. walleriana*, New Guinea Impatiens have a similar look but with larger, more brilliantly colored blooms that appear from spring through summer without deadheading. All are incredibly versatile, thriving in monoculture and combination containers as well as in landscapes. They are ideal for 4.25 Grande™ and 1.0 Royale™ container production.

AWARD WINNERS –

INFINITY® New Guinea Impatiens

90 Awards including: Excellent Rating, Disney Trials; One of the Best, Penn State; Top Performer, University of Illinois; Top Performer, Colorado State University

Growing Tips for INFINITY®

- Preventive fungicides are recommended one week after transplant.
- Sensitive to high-soluble salts; use 100-150 ppm fertilizer.
- Light shade is optimal for best growth.
- Aggressive scouting and treatment program for thrips are recommended for INSV control. Do not use Medallion® due to severe PGR effect on NGIs.
- Be sure not to overwater while plants are still rooting to the container edge.
- Growing at too cool of a temperature can cause purpling of the foliage and the stunting of growth.
- Yellow foliage is caused by drying the plant down past wilt stage.
- In growing group CC (see page 145).

Notes: No pinching recommended. These varieties are bred to branch well without pinching, which would only delay flowering and result in a less-balanced plant habit. No growth regulators recommended or needed. Winter flowering occurs in Sunbelt states.



INFINITY® Blushing Crimson
Impatiens hawkerii *** USPPAF Can/PBRAAF



INFINITY® Light Purple
Impatiens hawkerii *** USPPAF Can/PBRAAF



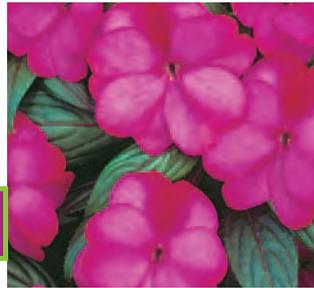
INFINITY® Orange
Impatiens hawkerii *** USPPAF Can/PBRAAF



Collection Top Seller

INFINITY® Blushing Crimson
Impatiens hawkerii *** USPPAF CanPBRAF

Sobkowich only



INFINITY® Blushing Lilac
Impatiens hawkerii ^{Visinblis} USPP16147

Sobkowich only



INFINITY® Cherry Red
Impatiens hawkerii ^{Visinchrimp} USPP20965



INFINITY® Lavender
Impatiens hawkerii *** USPPAF CanPBRAF

Sobkowich only



INFINITY® Light Purple
Impatiens hawkerii *** USPPAF CanPBRAF

Sobkowich only



INFINITY® Orange
Impatiens hawkerii *** USPPAF CanPBRAF



INFINITY® Pink
Impatiens hawkerii ^{Visinpink} USPP16419



Collection Top Seller

INFINITY® Red
Impatiens hawkerii ^{Vinfsalbis} USPP23277



INFINITY® Salmon
Impatiens hawkerii ^{Vinfsalimp} USPP20271

Sobkowich only



Collection Top Seller

INFINITY® White
Impatiens hawkerii ^{Vinfinwhimp} USPP20984



INFINITY® Red
Impatiens hawkerii ^{Vinfsalbis} USPP23277



INFINITY® Lavender
Impatiens hawkerii *** USPPAF CanPBRAF

GOLDDUST® *Mecardonia*

LANDSCAPE    5-13cm (2-5") Vigor: 2

This true yellow mecardonia flowers 6 weeks earlier than others. GoldDust's blooms are significantly smaller but far more plentiful than other mecardonia. This beauty loves the heat.

Growing Tips for GOLDDUST®

- Requires high light in production.
- 150-200 ppm fertilizer for optimal growth.
- Proper water management is critical.
- In growing group CB (see page 145).

Notes: No pinch necessary. For hanging baskets and containers larger than 6", trim around container edge just prior to hanging.

AWARD WINNER – GOLDDUST® *Mecardonia*

58 Awards including: Excellent Rating, Disney Trials; Top Performer, University of Wisconsin; Gardener's Choice, University of Florida; Top Performer, The Oregon Garden; Top Performer, Cornell University



GOLDDUST® *Mecardonia* ^{USmeca8205} ^{USPP22871} Can4383

BRIGHT LIGHTS™ *Osteospermum*

LANDSCAPE    20-30cm (8-12") Vigor: 2

Selected for their nestled branching and fuller, uniform habit that doesn't open up, these are some of the easiest *Osteospermum* to produce. Dual cold and heat tolerance results in a long sales window from spring into fall and through the winter in sunbelt states.

BRIGHT LIGHTS® HORIZON™ Sunset *Osteospermum* ^{****} ^{USPPAF} ^{CanPBRAF}

Presenting a new habit for Bright Lights, this mounded-spreading *Osteospermum* is ideal for hanging basket recipes, especially in the spring and fall. Mixes easily with Laguna® lobelia, Superbells® calibrachoa and Sunatia® nemesia. Orange sherbet-colored flowers emanate a dazzling lavender purple glow from the center. New this year.

Growing Tips for BRIGHT LIGHTS™

- Treat with a preventative broad spectrum fungicidal drench 1-2 weeks after transplant.
- Good air circulation, control of humidity, and good sanitation are critical to crop success.
- Cooler temperatures and high light in production are essential for spring bud set and branching.
- Use 150-200 ppm fertilizer.
- In growing group AB (see page 145).

Notes: Removing the buds and flowers at transplant isn't necessary but can be beneficial.

AWARD WINNERS – BRIGHT LIGHTS™ *Osteospermum*

87 Awards including: Top Performer, Jardin Daniel A. Seguin; Top Performer, Penn State; Top Performer, University of Guelph; Top Performer, University Laval; Visitor's Choice, Missouri Botanic Garden



BRIGHT LIGHTS™ HORIZON™
Sunset *Osteospermum* ^{****} ^{USPPAF} ^{CanPBRAF}



Collection Top Seller

BRIGHT LIGHTS™ Red
Osteospermum *** USPPAF CanPBRAF

BRIGHT LIGHTS™ White
Osteospermum *KLEOE17329 CanPBRAF



BRIGHT LIGHTS™ Yellow
Osteospermum *INOSTYELOW USPP29021 Can6044



BRIGHT LIGHTS™ Pink
Osteospermum *INOSTEPINK USPP30834



BRIGHT LIGHTS™ Purple
Osteospermum *INOSTBLPUR USPP32642 CanPBRAF



Collection Top Seller

BRIGHT LIGHTS™ Double Moonglow
Osteospermum *KLEOE17308
US Utility US9759646
and US9040792

CHARMED® Wine

Oxalis triangularis

    15-41cm (6-16") Vigor: 1

Here's a plant you can grow and sell in multiple displays including St. Patrick's Day, shade collections and as an indoor plant for sunny windowsills. Violet purple, shamrock-shaped leaves form a restrained mound topped with pale pink flowers all season. Easy to mix with other low to medium vigor plants in window boxes and patio pots, and looks great in 4.25 Grande™ containers.

Growing Tips for CHARMED® Wine

- Prefers warmer production temperatures.
- Warm and slightly dry conditions after transplanting speeds root in and growth.
- Light shade is best for optimal growth.
- Shear back if petioles become too long due to low light conditions.
- Use 150-200 ppm fertilizer for optimal growth.
- In growing group BB (see page 145).

Notes: To schedule for St. Patrick's Day, plan on a 4-6 week crop, and supplemental lighting may be needed to keep plant compact for Northern growers. Pinching not needed. PGRs not needed.

AWARD WINNER – CHARMED® Wine *Oxalis*

2 Awards: Arboretum Approved, Dallas Arboretum; Best of Species, Penn State



CHARMED® Wine
Oxalis triangularis 'JROXBURWI' USPP17557 Can2949

BOLDLY® *Pelargonium*

    25-30cm (10-12") Vigor: 3

Geraniums are a consumer favorite, offering bold beauty and strong garden performance. The Boldly series includes interspecific varieties that are a cross between zonal and ivy geraniums. They exhibit more zonal than ivy traits, with a mounded trailing habit and exceptional heat tolerance.

Growing Tips for BOLDLY®

- 200-250 ppm fertilizer for optimal growth.
- Requires high light in production.
- Pinching should not be necessary. Apply Cycocel at 750 to 1,000 ppm as needed.
- Apply 350 ppm of Florel® once or twice. First application should be applied 10 to 14 days after transplant. Repeat 5 to 8 days later, if desired. Applications should be stopped 6 to 7 weeks before desired sell date.
- Geraniums are sensitive to iron and magnesium toxicity; soil pH maintained above 6.0 will limit problems.
- In growing group BC (see page 145).

Notes: Treat with preventative broad-spectrum fungicidal drench one week after transplant. Scout crops regularly for disease development. Good air circulation, control of humidity, and good sanitation practices are critical.

AWARD WINNERS – BOLDLY® *Pelargonium*

84 Awards including: Top Performer, Kansas State; Plant of Merit, University of Georgia; Leader of the Pack, North Carolina State; Top Performer, University of Minnesota



BOLDLY® Dark Red
Pelargonium 'Amiri Tired' USPP20245 Can3728



BOLDLY® Lavender Rose
Pelargonium 'PEQZ0002' USPP23404 Can/4632



BOLDLY® White
Pelargonium 'PZ344' USPPAF Can/PBRAAF



BOLDLY® Coral
Pelargonium 'PZ305' USPPAF Can/PBRAAF



BOLDLY® Hot Pink
Pelargonium 'PZ533' USPPAF Can/PBRAAF

SUNSTAR® *Pentas lanceolata*



46-56cm (18-22") Vigor: 2



Sunstar® represents a breakthrough line of genetics for Pentas that have retained their heat tolerance for Southern growers but are also now easier to produce in the North, even without supplemental lighting. Extra-large flower clusters nearly the size of hydrangea blossoms top the well-branched plants which fill 4.25 Grande™ containers fully.

Sunstar Pentas have excellent summer durability, powering through high heat and humidity, and make ideal bedding plants in the South. Since they are produced vegetatively, their flowering performance far exceeds that of seed Pentas.

Sobkowich only

AWARD WINNERS – SUNSTAR® Pentas

99 Awards including: Perfect Score All Season, University of Tennessee; Top 10 for Summer, JC Raulston Arboretum; Top Performer, University of Minnesota

Growing Tips for SUNSTAR®

- Requires high light in production.
- Feed with 100-150ppm N. Calcium and nitrate-based fertilizers help maintain a pH above 6.2. Avoid ammonia-based and acidifying fertilizers in production.
- Peak blooming occurs under long days.
- Good air circulation, control of humidity, good water management practices and proper sanitation are critical to producing healthy plants.
- In growing group CC (see page 145).

Notes: Treat with a preventative broad spectrum fungicidal drench 1-2 weeks after transplant. PGR sprays can be used to control height. Use 2500-5000ppm B-Nine®, 750-1000ppm Cycocel® or 5-10ppm Bonzi®. Scout crop at least once per week for disease development.



SUNSTAR® Lavender
Pentas lanceolata **** USPPAF CanPBRAF

Collection
Top Seller

SUNSTAR® Red
Pentas lanceolata **** USPPAF CanPBRAF

SUNSTAR® Pink
Pentas lanceolata **** USPPAF CanPBRAF

SUNSTAR® Rose
Pentas lanceolata 'PEZZ0003' USPP25942 CanPBRAF

SUPERTUNIA® *Petunia*

LANDSCAPE    10-30cm (4-12")   all Vigor: 3 except Giant Pink and Supertunia® Vistas: Vigor: 4

The Best Petunia. Period. For incredible color and season-long performance, choose Supertunia. Whether you're using them to create extraordinary hanging baskets, upright combos or in landscapes, you can expect an exceptional show of color from planting until frost. Supertunias are self-cleaning – no deadheading necessary – and grow with remarkable vigor, petal substance and disease resistance. You won't find a more outstanding petunia.

SUPERTUNIA® Persimmon *Petunia* **** USPPAF CanPBRAF

A thrilling new color for Supertunia! Tropical coral-orange blossoms with a gold throat blanket this extra-vigorous selection all season without deadheading. Trailing habit with little height; makes an ideal spiller for hanging baskets and upright container recipes or an eye-catching flowering groundcover. New this year.

SUPERTUNIA MINI VISTA® Midnight *Petunia* **** USPPAF CanPBRAF

Finally, a near-black petunia that lives up to Supertunia standards! This showstopper is loaded with intense flower power all season without deadheading, standing up well through adverse growing conditions. Its dense habit makes an exquisite Grande™ for retail. New this year.

SUPERTUNIA MINI VISTA® Scarlet *Petunia* **** USPPAF CanPBRAF

A useful color addition to the Mini Vista line; perfect for creating patriotic-themed, summer recipes when paired with Supertunia Mini Vista White and Indigo or Violet Star. Scarlet red flowers bloom all season without deadheading on attractive globe-shaped plants. New this year.

SUPERTUNIA MINI VISTA® Yellow *Petunia* **** USPPAF CanPBRAF

Our very first yellow Mini Vista petunia, selected for its awesome vigor and flower power even through the Florida heat. Clear yellow flowers cover the attractive globe-shaped habit that makes a picture perfect Grande™ or Royale™ container for retail. New this year.

Growing Tips for SUPERTUNIA®

- Requires high light in production.
- 250+ ppm fertilizer. Watch pH and EC levels.
- All "veined" petunias are more sensitive to cold. Keep above 50° F (10° C).
- Day-length neutral varieties need less PGRs. Cold temperatures also control growth.
- Yellow growth tips often indicate an iron shortage in response to too high pH.
- Black Cherry has above average vigor and flowers early. Grow as bright as possible, space plants well, provide good air movement and avoid high humidity. Grow cool with 65-68°F days and 55-60°F nights. Regular applications of PGRs will help to keep plants more compact and will hold them longer.
- In growing group AA (see page 145).

Notes: For all sizes of containers, pinch the liner 1–2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. 10-15 ppm Sumagic® spray or 1-3 ppm Bonzi® drench are effective at controlling growth. Apply as needed.

AWARD WINNERS – SUPERTUNIA®

1920 Awards including: Top Performer, Missouri Botanical Garden; Excellent Rating, Boerner Botanical Garden, Milwaukee, Wisconsin; Outstanding Rating, Disney Trials; Top Performer, Oregon State University; Top Performer, University of Laval; Top Performer, Les Exceptionelles



SUPERTUNIA® Persimmon *Petunia* **** USPPAF CanPBRAF

 10-20cm (4-8")

SUPERTUNIA® *Petunia*

LANDSCAPE    10-30cm (4-12")   all Vigor: 3 except Giant Pink and Supertunia® Vistas: Vigor: 4

Supertunia®



Top 50

SUPERTUNIA® BERMUDA BEACH®
Petunia 'Kerversalm' USPP19329



Top 50

SUPERTUNIA® BLACK CHERRY®
Petunia 'USTUN3003' USPP27312 Can5279
Utility Patent 7642436B2



SUPERTUNIA® Blue Skies
Petunia 'KL1117mut1' USPP30947 Can6285



Top 50

SUPERTUNIA® Blue Veined
Petunia 'Comblue' USPP13543 Can1605

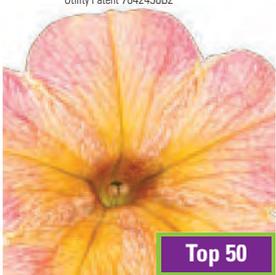


Top 5

SUPERTUNIA® BORDEAUX™
Petunia 'Lanbor' USPP16144 Can2532

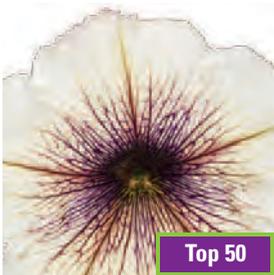


SUPERTUNIA® Giant Pink
Petunia 'USTUN153' USPP14856 Can1934



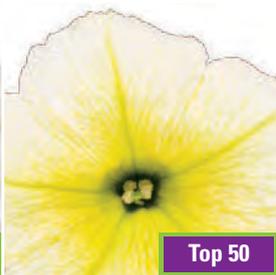
Top 50

SUPERTUNIA® HONEY™
Petunia 'DCAS303' USPP26888
Utility Patent 7642436B2



Top 50

SUPERTUNIA® LATTE™
Petunia 'Kerlatte' USPP28069 Can5508



Top 50

SUPERTUNIA® LIMONCELLO®
Petunia 'Pactoyel' USPP23282



Top 50

SUPERTUNIA® LOVIE DOVIE™
Petunia 'BBTUN91601' USPP29663 Can6056



NEW

SUPERTUNIA® Persimmon
Petunia '***' USPPAF CanPBRAF



SUPERTUNIA® PICASSO IN PURPLE®
Petunia 'DCASPITAYA' USPP27999 CanPBRAF



SUPERTUNIA® Priscilla
Petunia 'Kerprilpro' USPPAF CanPBRAF

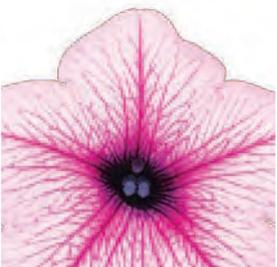


SUPERTUNIA® RASPBERRY RUSH™
Petunia 'BBTUN91601M2' USPP32641 CanPBRAF



Top 50

SUPERTUNIA® Really Red
Petunia 'Sunremi' USPP16803 Can2838



SUPERTUNIA® Rose Veined
Petunia 'USTUN53402' USPP27390 Can5280



Top 50

SUPERTUNIA® ROYAL MAGENTA®
Petunia 'INPETROYMA' USPP29811 Can6045



Top 5

SUPERTUNIA® ROYAL VELVET®
Petunia 'BBTUN10102' USPP32688 CanPBRAF



SUPERTUNIA® Sharon
Petunia 'BBTUN22503' USPP32913 CanPBRAF



SUPERTUNIA® Silver
Petunia 'Petwiblv' USPP17247 Can2594

Supertunia Vista®



Top 5

SUPERTUNIA VISTA® BUBBLEGUM®
Petunia ^{USTIN6001} USPP17730 Can2871



Top 50

SUPERTUNIA VISTA® Fuchsia
Petunia ^{BHTUN65301} USPP28457 Can5785



Top 50

SUPERTUNIA VISTA® JAZZBERRY®
Petunia ^{WNPEVJAZ} USPP34152 CanPBRAF



Top 50

SUPERTUNIA VISTA® Paradise
Petunia ^{BBTUN88901} USPP30965 Can6294



Top 50

SUPERTUNIA VISTA® Silverberry
Petunia ^{USTUN60-01} USPP20903 Can3866



Top 50

SUPERTUNIA VISTA® SNOWDRIFT™
Petunia ^{BBTUN04401} USPP32687 CanPBRAF

Supertunia Mini Vista®



SUPERTUNIA MINI VISTA® Hot Pink
Petunia ^{USTUN2401M} USPP29664 Can6057



SUPERTUNIA MINI VISTA® Indigo
Petunia ^{BHTUN93201} USPP33278 CanPBRAF



NEW

SUPERTUNIA MINI VISTA® Midnight
Petunia ^{***} USPPAF CanPBRAF



SUPERTUNIA MINI VISTA® Pink Star
Petunia ^{USTUNJ2401} USPP28028 Can5517

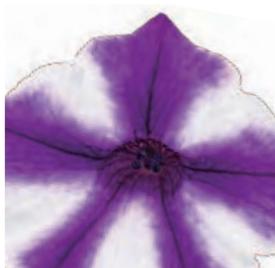


SUPERTUNIA MINI VISTA® Sangria
Petunia ^{USTUN34803} USPP22884 Can4352



NEW

SUPERTUNIA MINI VISTA® Scarlet
Petunia ^{***} USPPAF CanPBRAF



SUPERTUNIA MINI VISTA® Violet Star
Petunia ^{USTUNJ1901} USPP28051 Can5516



Top 50

SUPERTUNIA MINI VISTA® White
Petunia ^{USTUN87002} USPP30833 Can6295



NEW

SUPERTUNIA MINI VISTA® Yellow
Petunia ^{***} USPPAF CanPBRAF

Supertunia® Charm



SUPERTUNIA® Daybreak Charm
Petunia ^{USTUN69002} USPP27727 Can5514

NEW

SUPERTUNIA MINI VISTA® *Petunia*

LANDSCAPE     15-30cm (6-12")   Vigor: 3

For reliable, durable color in landscapes and containers, choose Supertunia Mini Vista. More compact and smaller flowered than standard Supertunia Vista petunias, they grow vigorously and bloom early, forming a dense blanket of color in landscapes. Their tightly branched, ball-shaped habit is picture perfect in 4.25 Grande containers.



NEW

SUPERTUNIA MINI VISTA®
Midnight *Petunia* *** USPPAF CanPBRAF



NEW

SUPERTUNIA MINI VISTA®
Yellow *Petunia* *** USPPAF CanPBRAF



NEW

SUPERTUNIA MINI VISTA®
Scarlet *Petunia* *** USPPAF CanPBRAF



SUPERTUNIA MINI VISTA® Pink Star
Petunia USTUNJ2401*USPP28028 Can5517



SUPERTUNIA MINI VISTA® Indigo
Petunia BBTUN93201*USPP33278 CanPBRAF



SUPERTUNIA MINI VISTA® White
Petunia USTUN87002*USPPAF Can6295

Top 50

SUPERTUNIA VISTA® *Petunia*

LANDSCAPE    30-61cm (12-24")   Vigor: 4

The best petunia for landscapes. Hands down.

Supertunia Vista varieties deliver an outstanding performance over the entire season, lasting an extra month in southern states and well into fall in moderate climates. They are bred to flower earlier, grow taller and wider, and grow more vigorously than other Supertunia. Vista Bubblegum has become a legend in its own time, and the other Vistas are well-matched too.



Top 5

SUPERTUNIA VISTA® BUBBLEGUM®
Petunia ^{USTINI6001} USPP17730 Can2871



Top 50

SUPERTUNIA VISTA® Fuchsia
Petunia ^{BHTUN65301} USPP28457 Can5785



Top 50

SUPERTUNIA VISTA® SNOWDRIFT™
Petunia ^{BBTUN04401} USPP32687 CanPBRAF



Top 50

SUPERTUNIA VISTA® JAZZBERRY®
Petunia ^{WNFESVJAZ} USPP34152 CanPBRAF



Top 50

SUPERTUNIA VISTA® Paradise
Petunia ^{BBTUN98901} USPPAF Can6294



Top 50

SUPERTUNIA VISTA® Silverberry
Petunia ^{USTUN160-01} USPP20903 Can3886

SUPERTUNIA® *Petunia*



Above: SUPERTUNIA® MINI VISTA™ Indigo *Petunia*, SUPERTUNIA® MINI VISTA™ Violet Star *Petunia*, SUPERTUNIA MINI VISTA™ White *Petunia* with GRACEFUL GRASSES® 'Sky Rocket' *Pennisetum*

	Habit	Recommended Use	Sun-Shade Tolerance
Supertunia Vista®	Mounded Trailing Height: 30-61cm (12-24") Trailing: 91cm (36")	4.50 Classic™, 4.25 Grande™, and 1.0 GL Royale™, Hanging baskets, upright containers, best Supertunia® for landscape	Full sun to part sun Early to flower
Supertunia®	Mounded Trailing Height: 10-30cm (4-12") Trailing: 76-91cm (30-36")	4.50 Classic™, 4.25 Grande™, and 1.0 GL Royale™, Hanging baskets, upright containers, landscape	Full sun to part sun Facultative long day
Supertunia® Giant Pink	Mounded Trailing Height: 15-30cm (6-12") Trailing: 91cm (36")	4.50 Classic™, 4.25 Grande™, and 1.0 GL Royale™ from Supernova, hanging baskets, upright containers with other vigorous varieties, landscape	Best under long days as late crop, Full sun
Supertunia® Charm	Mounded Trailing Height: 15-30cm (6-12") Trailing: 61cm (24")	4.50 Classic™, 4.25 Grande™, and 1.0 GL Royale™ Hanging baskets, upright containers and mixed containers with other vigorous varieties	Best under long days Full sun
Supertunia Mini Vista®	Mounded Trailing Height: 15-30cm (6-12") Trailing: 61cm (24")	4.50 Classic™, 4.25 Grande™, and 1.0 GL Royale™ Hanging baskets, upright containers and mixed containers with other vigorous varieties, landscape	Full sun to part sun Facultative long day

Supertunia Photoperiod Response

An independent trial conducted in a controlled environment revealed the following timing for Supertunia *Petunia*. It is applicable for growers worldwide.

Flowers best over 12 hours (Facultative Long-day Response)

Supertunia Vista® Fuchsia
 Supertunia Vista® Bubblegum®
 Supertunia Vista® Snowdrift™
 Supertunia® Blue Skies
 Supertunia® Bermuda Beach®
 Supertunia® Daybreak Charm
 Supertunia® Really Red
 Supertunia® Royal Magenta®
 Supertunia® Sharon
 Supertunia Vista® Silverberry
 Supertunia Mini Vista® Sangria
 Supertunia® Limoncello®
 Supertunia® Lovie Dovie™
 Supertunia® Royal Velvet®
 Supertunia Vista® Jazzberry®
 Supertunia® Priscilla
 Supertunia Mini Vista® Pink Star
 Supertunia Mini Vista® White
 Supertunia Mini Vista® Yellow
 Supertunia Mini Vista® Midnight
 Supertunia Mini Vista® Scarlet
 Supertunia Vista® Paradise
 Supertunia® Blue Veined
 Supertunia® Persimmon
 Supertunia® Rose Veined
 Supertunia® Silver
 Supertunia® Giant Pink
 Supertunia® Honey™
 Supertunia Mini Vista® Indigo
 Supertunia® Latte™
 Supertunia® Picasso in Purple®
 Supertunia® Raspberry Rush™
 Supertunia® Black Cherry®
 Supertunia Mini Vista® Hot Pink
 Supertunia Mini Vista® Violet Star
 Supertunia® Bordeaux™

Top-selling Supertunia

Supertunia continue to be our most popular line of plants – here's how they rank in terms of liners sold in Canada.

Supertunia Vista® Bubblegum®
 Supertunia® Bordeaux™
 Supertunia® Royal Velvet®
 Supertunia® Royal Magenta®
 Supertunia Vista® Fuchsia
 Supertunia Vista® Snowdrift™
 Supertunia Vista® Silverberry
 Supertunia Vista® Jazzberry®
 Supertunia® Really Red
 Supertunia® Black Cherry®
 Supertunia® Lovie Dovie™
 Supertunia Mini Vista® White
 Supertunia® Honey™
 Supertunia Vista® Paradise
 Supertunia® Latte™
 Supertunia® Blue Veined
 Supertunia® Bermuda Beach®
 Supertunia® Limoncello®
 Supertunia Mini Vista® Indigo
 Supertunia® Raspberry Rush™
 Supertunia Mini Vista® Pink Star
 Supertunia Mini Vista® Hot Pink
 Supertunia Mini Vista® Violet Star
 Supertunia® Blue Skies
 Supertunia® Picasso in Purple®
 Supertunia® Rose Veined
 Supertunia® Priscilla
 Supertunia® Daybreak Charm
 Supertunia® Giant Pink
 Supertunia Mini Vista® Sangria
 Supertunia® Silver
 Supertunia® Strawberry Pink Veined
 Supertunia® Sharon

MOJAVE® *Portulaca umbraticola*



10-20cm (4-8")



Vigor: 2

Capitalize on the succulent trend by offering these colorful flowering cultivars that bloom all summer without deadheading. Large, vivid blossoms that attract pollinators are held above the foliage on trailing stems. Use them in hanging baskets, upright containers and landscapes where they make a drought tolerant groundcover.

MOJAVE® Yellow Improved

Portulaca umbraticola **** USPPAF CanPBRAF

This upgraded cultivar offers greater color coverage in containers and landscapes due to its larger, showier, golden yellow flowers that open earlier in the morning and remain open until late in the day. It is good match for the rest of the Mojave series. Improved this year.

Growing Tips for MOJAVE®

- Grow on the dry side to help naturally control growth.
- 100-150 ppm fertilizer for optimum growth.
- Red leaf margins can indicate over-fertilization or extremely high light levels.
- When holding at cool temperatures, be sure to maintain temperatures no lower than 50°F to avoid leaf drop. Some red coloration on leaf margins may appear with cool temperatures.

Under cool holding conditions, soil should be dry rather than moderate.

- In growing group BC (see page 145).

Notes: Pinch at 1-2 weeks after transplant if needed. Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. Scout crops regularly (at least once a week) for disease development. Good air circulation, control of humidity, and good sanitation practices are critical.

AWARD WINNERS – MOJAVE® *Portulaca*

156 Awards including: Top Performer, Dallas Arboretum; Top Performer, Penn State; People's Pick, Texas A&M; Top Performer, Michigan State University; Top Performer, Missouri Botanic Garden



IMPROVED

MOJAVE® Yellow Improved
Portulaca umbraticola **** USPPAF CanPBRAF

Collection
Top Seller

MOJAVE® Red
Portulaca umbraticola PQR 160001 USPP32693 CanPBRAF

MOJAVE® Tangerine
Portulaca umbraticola DPAZ15 USPP23243

MOJAVE® Pink
Portulaca umbraticola

MOJAVE® Fuchsia
Portulaca umbraticola DPORMOJAFU USPP32614 CanPBRAF

INTENSIA® *Phlox*



25-41cm (10-16")



Vigor: 2

Heat, drought, and humidity tolerance, sweet fragrance, and rich colors have earned this series a stack of awards – and a special place in the hearts of gardeners everywhere. Intensia grow from early spring through autumn and are wonderful mid-height plants for your premium hanging baskets and containers.

Have You Had Trouble Growing Intensia?

Intensia prefers being dry, and normal greenhouse procedure is to never let the plant dry out. So a good rule of thumb with this plant is that when you think it's ready to be watered, wait a day.

AWARD WINNERS – INTENSIA® *Phlox*

78 Awards including: Top Pick, Dallas Arboretum; Superior Rating, Disney; Best of the Best, University of Georgia; Exceptional Performer, University of Florida; Best of Species, Penn State

Growing Tips for INTENSIA®

- Requires heat and high light for optimal growth.
- Order for mid-spring production.
- Proper air movement, water management, and good soil porosity are critical.
- Water lightly at planting. Grow warm until roots are established and then grow cool.
- 200-300 ppm fertilizer. When actively growing, increased fertilizer applications may be necessary.
- Can be finished for prime spring season in mixed containers. Mono baskets and small containers can be produced from mid-spring on, if grown properly.
- A preventative fungicidal drench should be done one week after transplant.
- In growing group AB (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. 5-10 ppm Sumagic® is effective. Cool temperatures are also an effective growth regulator.



INTENSIA® Red Hot
Phlox drummondii 'DPHLOX911' USPP28127 Can5500



INTENSIA® White
Phlox drummondii 'DPHLOX866' USPP28185 Can5499



INTENSIA® Blueberry
Phlox 'USPLX80306' USPP21646 Can4144

SUNBINI®

Sanvitalia procumbens

LANDSCAPE   15-30cm (6-12") Vigor: 2

This heat and drought tolerant annual has a similar application as Blue My Mind® Evolvulus in monoculture containers and low maintenance landscape plantings. It blooms freely without the need for deadheading or shaping the whole the season. This improved cultivar features 30% larger, golden yellow blossoms which are produced prolifically and are attractive to pollinating bees.

Growing Tips for SUNBINI®

- High light is essential.
- 100-150 ppm fertilizer for optimal growth.
- Production time decreases when light and temperatures are optimal.
- Grow lean, warm, and dry for best results.
- Do not use any fungicides containing Azole, such as Banrot® and Truban®, as they will stunt the plants.
- In growing group BB (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. No PGRs needed. Plants are sensitive to Sumagic® but 2500 ppm B-9 is effective if needed.

AWARD WINNER – SUNBINI® *Sanvitalia*

15 Awards including: Top Performer, Michigan State; Top Performer, Penn State; Best Varieties, Colorado State University



SUNBINI® *Sanvitalia procumbens* 'DSANTALG' USPP32696 CanPBR/AF

LEMON CORAL®

Sedum mexicanum

LANDSCAPE   8-25cm (3-10") Zones 7-11 Vigor: 2

A tough as nails filler for hanging baskets, troughs, combination containers and landscapes, this beautifully textured succulent is very vigorous and drought tolerant. Its lime green to chartreuse foliage pairs well with other vigorous sun loving varieties.

Growing Tips for LEMON CORAL®

- High light levels are required in production.
- Grow in dry to lightly moist soil. Plants are heat and drought tolerant once established.
- 100-150 ppm fertilizer for optimum growth.
- Good air circulation, water management practices, control of humidity, and good sanitation practices are critical.
- In growing group BB (see page 145).

Notes: No pinching needed. Naturally forms a very dense mat of lime green foliage. Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. Scout crops regularly (at least once a week) for disease development.

AWARD WINNER – LEMON CORAL® *Sedum*

46 Awards including: Top Performer, Colorado State University; Best Drought Tolerant, Tennessee State University; Top Performer, Texas A&M



LEMON CORAL® *Sedum mexicanum*

UNPLUGGED® *Salvia*



More compact than our Rockin'® salvias, these unique varieties are scaled to pair with other medium vigor varieties in container recipes and also deliver a stellar landscape performance. The flowers appear prolifically on well-proportioned plants, tolerating summer heat and humidity with ease.

AWARD WINNERS – UNPLUGGED® *Salvia*

89 Awards including: Perfect Score All Season, Iowa State; Perfect Score All Season, Disney; Top Performer-Pollinators, Ohio State University; Top Performer, University of Laval; Top Performer, Les Exceptionnelles

Growing Tips for UNPLUGGED®

- Requires high light in production.
- Feed with 150-200ppm N. Using fertilizer high in ammonia can cause excessive vegetative growth and fewer flowers.
- Good water management practices are critical to healthy growth. Avoid overhead watering late in the day.
- Avoid saturated containers; grow slightly on the dry side.
- In growing group AB (see page 145).

Notes: A routine preventative fungicidal spray program is encouraged. This variety's compact early habit makes it perfect for smaller container production. Growth can be controlled using lower temperatures.

For Unplugged Pink only: Apply growth regulators as needed for height control; B-Nine® at 1,500 to 2,500 ppm should be effective.



UNPLUGGED® SO BLUE™
Salvia farinacea G14251 USPP32695 CanPBRAF

36-61cm (14-24")

UNPLUGGED® Pink
Salvia WNSVUPPK USPP34160 CanPBRAF

36-76cm (14-30")

ROCKIN'® Salvia



Vigor: 4

Gardeners are looking for plants to draw in pollinators and salvias work like a charm. Hummingbirds are highly attracted to the extra-large flowers of Rockin' Deep Purple, Fuchsia and Blue Suede Shoes, while butterflies and bees enjoy Rockin' Playin' the Blues. Each member of this series is unique, but all share a refined habit and strong heat tolerance. They are spectacular in the landscape and make impressive thrillers in large containers.

ROCKIN'® Deep Purple Improved Salvia **** USPPAF CanPBRAF

We've improved this popular salvia by giving it a more compact and floriferous habit; now right-sized for container recipes and a great match for our top-selling Rockin' Fuchsia. Hummingbirds adore its large, deeper purple flowers with black calyxes which are presented beautifully above the rich dark green foliage. Improved this year.

Growing Tips for ROCKIN'®

- Requires high light in production.
- Good air circulation and well-drained soil are important. Avoid saturated containers and grow slightly on the dry side.
- 150-200 ppm N. Be careful to not overfertilize. Using fertilizer high in ammonia can cause excessive vegetative growth and lack of flowers.
- Grow in 4.25 Grande™ for early season sales and in 1.0 Royale™ containers for bigger impact.
- Long days are beneficial for flowering.
- In growing group AB. (see page 145).

Notes: A routine preventative broad spectrum fungicidal spray program is encouraged. Growth can be controlled using B-Nine® at 2500 to 3750 ppm or lower temperatures.

Notes for ROCKIN'® Blue Suede Shoes, Deep Purple and Fuchsia: Compact early habit is great for container production. Pinch at 1-2 weeks after transplant as needed.

AWARD WINNERS – ROCKIN'® Salvia

240 Awards including: Excellent Rating, University Laval; Top Performer, University of Guelph; Perfect Score All Season, University of Minnesota; People's Choice, University of Georgia



ROCKIN'® Deep Purple Improved
Salvia *** USPPAF CanPBRAF

61-91cm (24-36")



Collection
Top Seller

ROCKIN® Fuchsia
Salvia ^{BBSAL00301} USPP30923 Can6296
61-91cm (24-36")



ROCKIN® PLAYIN' THE BLUES®
Salvia longispicata
x farinacea ^{Balsalmispim} US29604
61-122cm (24-48")



ROCKIN® BLUE SUEDE SHOES™
Salvia ^{BBSAL01301} USPP32694 CanPBRAF
76-102cm (30-40")

WHIRLWIND® *Scaevola aemula*



20-36cm (8-14") Vigor: 3

For low maintenance color and season-long performance in the toughest conditions, choose Whirlwind. Their fan-shaped flowers may appear delicate, but these plants have their roots in rugged Western Australia bush country, so they thrive in heat, humidity and drought conditions. All four cultivars are well-branched and fill out containers fully. Their landscape performance is simply stellar.

Growing Tips for *Scaevola*

- Requires high light in production.
- 150-200 ppm fertilizer.
- Prefers warmer production temperatures.
- Australian plants prefer to have little or no phosphorous added.
- Sensitive to cold temperatures but makes a great spring and summer sales item.
- In growing group BA (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. Sumagic® at 2-5 ppm has been effective at controlling growth.

AWARD WINNERS

WHIRLWIND® *Scaevola*

121 Awards including: Excellent Rating, Disney Trials; Best of the Best, University of Georgia; Top Performer, Michigan State



WHIRLWIND® STARLIGHT™
Scaevola aemula ^{DSCAWINDST} USPP32689 CanPBRAF



WHIRLWIND® White
Scaevola aemula ^{Borny Whit} USPP20790 Can3851



WHIRLWIND® Pink
Scaevola aemula ^{DSCAVPIBLS} USPPAF Can6311



WHIRLWIND® Blue
Scaevola hybrid ^{****} USPPAF CanPBRAF

A-PEEL® *Thunbergia alata*



152-244cm (5-8') Vigor: 4

Easier to handle than most rambunctious Thunbergias, these more restrained selections have an increased shelf life and sales window for growers and retailers. They are easy to recommend to customers looking to create a quick screen on patio trellises and chain link fences, and are excellent climbing components for combinations paired with other vigorous varieties. Requires a trellis in Royale™ containers.

Growing Tips for A-PEEL®

- Prefers warmer production temperatures; avoid chilling.
- These plants are vigorous; monitor containers regularly to keep twining stems at bay.
- Do not use irrigation frequency to control plant size. Drying to the point of wilt will cause leaf burn and drop. Can be run a little dry but not to the point of wilt.
- Scout for spider mites and whiteflies, especially when held for long periods before sale.

- It is suggested that a 12-18" high trellis that attaches to the edge of the Royale (1 GL) container be used to provide climbing support and added value.
- 200-250 ppm fertilizer for optimal growth
- In growing group CB. (see page 145).

Notes: Treat with a preventative broad spectrum fungicidal drench 1-2 weeks after transplant. Pinch 7-10 days after transplant. An additional 1-2 pinches may be needed for larger pot sizes. B-Nine may be used at 1500-2500ppm two weeks after transplant. Bonzi is also effective. Check manufacturer label for approved rates and usage recommendations.

AWARD WINNERS – A-PEEL® *Thunbergia*

112 Awards including: Top Performer, University of Minnesota; Top Performer, University of Guelph; Best of Breed, NC State; Perfect Score All Season, Michigan State University; Top Performer, Les Exceptionelles



Trellis available for co-ex and injection containers produced by HC/Dillen.



Lemon A-PEEL®
Thunbergia alata 'Lemon Star' USPP14371

Orange A-PEEL®
Thunbergia alata 'Orange Wonder' USPP14767

Tangerine Slice A-PEEL®
Thunbergia alata 'DL1501' USPP30215 Can6078

Coconut A-PEEL®
Thunbergia alata 'Volthu9327' USPPAF CanPBRAF

CATALINA® *Torenia*



20-41cm (8-16")



Vigor: 2

Catalina Torenia will make a colorful addition to your shade collection, as they thrive and bloom in any amount of sunlight. They make great fillers in combination containers and work well in landscapes too. An extra helping of heat tolerance and oversized blossoms add to their appeal.

AWARD WINNERS – CATALINA® *Torenia*

79 Awards including: Top Pick, Dallas Arboretum; Best Old Variety, University of Tennessee; Top Performer, University of Wisconsin; Top Performer In-Ground and Containers, Kansas State University

Growing Tips for CATALINA®

- Prefers warmer production temperatures; cold, wet conditions can slow growth.
- Light shade is best for optimal growth.
- 200 ppm fertilizer.
- Application of Florel® delays flowering 8-10 weeks.
- Catalinas are best for 4" production.
- In growing group CB (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. Should not need PGRs, as they are naturally compact.



CATALINA® White Linen
Torenia ^{Dancat5153} USPP19997



CATALINA® Midnight Blue
Torenia ^{Dancat911} USPP17878 Can2815



Collection
Top Seller

CATALINA® GILDED GRAPE™
Torenia ^{Dancat266} USPP20242 Can3904



CATALINA® Pink
Torenia ^{Dancatpink} USPP17025 Can2525



CATALINA® GRAPE-O-LICIOUS™
Torenia
8-12"

SUMMER WAVE® *Torenia*



20-25cm (8-10")



Vigor: 3

Synonyms for Summer Wave varieties include *fast*, *easy*, and *versatile*. Great as groundcovers, fantastic in window boxes and hanging baskets, and the ideal choice as spillers in containers, their deep, dark flower colors look amazing against a background of silver or lime green foliage plants.

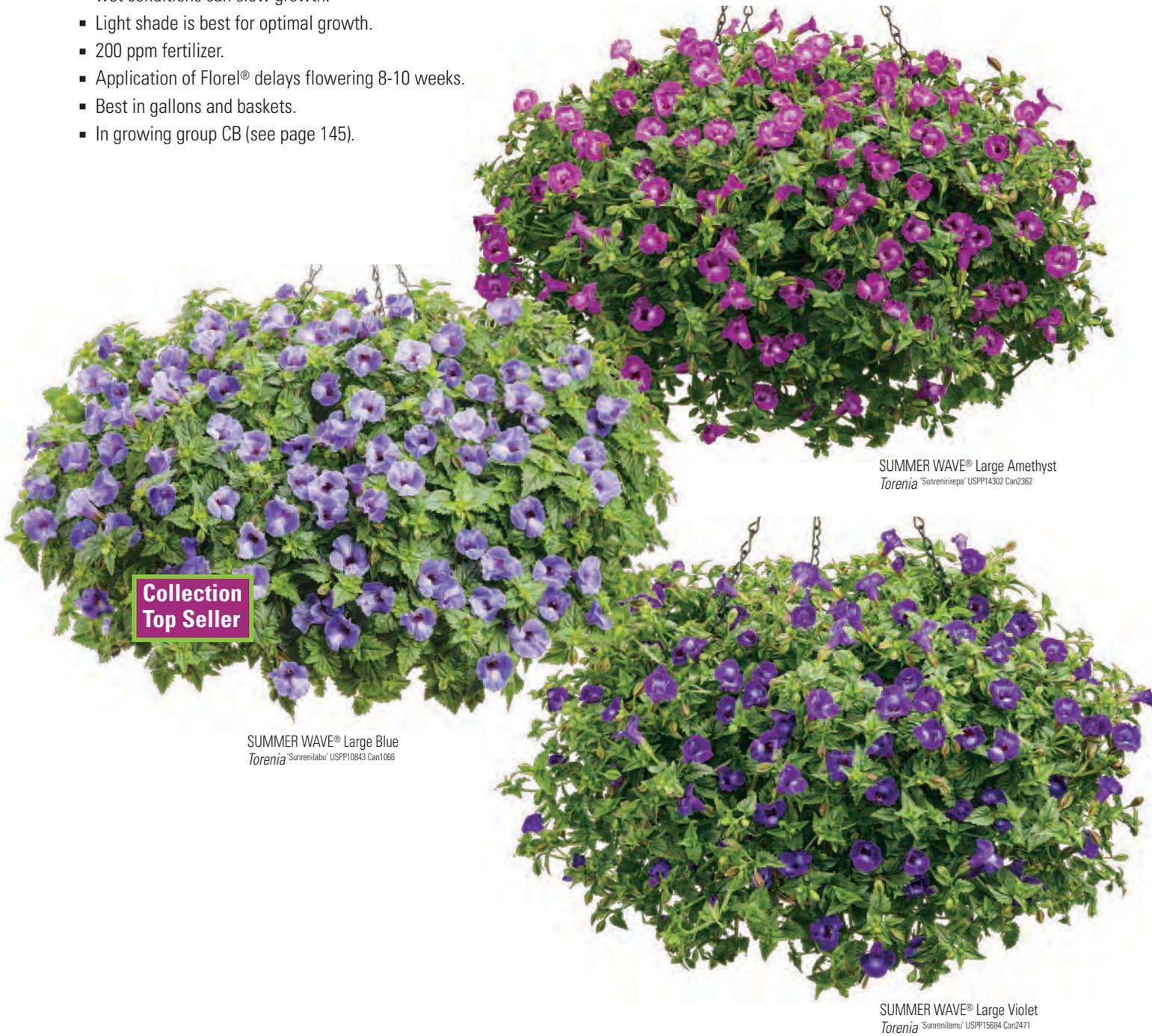
Growing Tips for SUMMER WAVE®

- Prefers warmer production temperatures; cold, wet conditions can slow growth.
- Light shade is best for optimal growth.
- 200 ppm fertilizer.
- Application of Florel® delays flowering 8-10 weeks.
- Best in gallons and baskets.
- In growing group CB (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. 10-15 Sumagic® spray is effective on Summer Wave.

AWARD WINNERS – SUMMER WAVE® *Torenia*

23 Awards including: Exceptional Performer, University of Florida; Best of Species, Penn State; Top Performer, Missouri Botanic Garden



Collection
Top Seller

SUMMER WAVE® Large Amethyst
Torenia 'Sunrenitrepas' USPP14302 Can2362

SUMMER WAVE® Large Blue
Torenia 'Sunrenilabu' USPP10843 Can1066

SUMMER WAVE® Large Violet
Torenia 'Sunrenilamu' USPP15684 Can2471

SUPERBENA® *Verbena*



15-30cm (6-12")



Vigor: 3

Screened and selected for their robust vigor, large flower clusters and exceptional resistance to powdery mildew, you won't find better verbenas than Superbena. They present beautifully in 4.25 Grande™ containers, are essential components of dynamic container recipes, and make a colorful groundcover.

AWARD WINNERS – SUPERBENA® *Verbena*

469 Awards including: Superior Rating, Penn State; Exceptional Performer, University of Florida; Superior Rating, Disney Trials; Top Performer, Colorado State University; Top Performer, Les Exceptionnelles

Growing Tips for SUPERBENA®

- Upon planting, water in the liners without saturating the soil. Allow the soil to stay relatively dry for the first 7-10 days to establish a strong root system..
- High light in production is essential.
- 150-200 ppm fertilizer.
- Preventive fungicides recommended one week after transplant.
- Low pH and severe dry down can cause iron toxicity if supplemental iron has been applied.
- The easiest Superbena to grow in smaller containers are the more compact Superbena Royale varieties.
- In growing group BB (see page 145).

Notes: For all sizes of containers, pinch the liner 1-2 weeks after transplant; for containers larger than 6" and for hanging baskets, trim around the edge of the container as needed prior to spacing or hanging of the baskets. Lower temperatures or PGRs can be used to control growth. Either a light spray of Sumagic® at 5 ppm or a 2-5 ppm drench of Bonzi® is effective.



Top 50

SUPERBENA® Red
Verbena TRIKAV44101 USPP30962 CanPBRAF



SUPERBENA® IMPERIAL BLUE™
Verbena WNVESBIB USPP34099 CanPBRAF



SUPERBENA SPARKLING® Amethyst
Verbena DVERBINPR USPPAF CanPBRAF



SUPERBENA ROYALE®
Cherryburst *Verbena*

Superbena®



SUPERBENA® Coral Red
Verbena ^{AKIV98-01} USPP21639 Can4146



SUPERBENA® IMPERIAL BLUE™
Verbena ^{WNVESBIB} USPP34099 CanPBRAF



SUPERBENA® Large Lilac Blue
Verbena ^{USBENAL11} USPP14854 Can1827



SUPERBENA® Peachy Keen
Verbena ^{RIKAV38504} USPP29063 Can5786



SUPERBENA® Pink Shades
Verbena ^{USBENAL20} USPP14876 Can1829



SUPERBENA® Raspberry
Verbena ^{RIKAV45801} USPP30899 Can6299



SUPERBENA® Red
Verbena ^{RIKAV44101} USPP30962 Can6297

Top 50



SUPERBENA® Scarlet Star
Verbena ^{RIKAV44501} USPP30898 Can6298



SUPERBENA® Stormburst
Verbena ^{RIKA18302M} USPP29640



SUPERBENA® Violet Ice
Verbena ^{RIKAV18302} USPP25396 Can4786



SUPERBENA® WHITEOUT™
Verbena ^{RIKA1832M3} USPP30897 Can6301

Top 50

Superbena Royale®



SUPERBENA ROYALE® Cherryburst
Verbena ^{AKIV28902M1} USPP27388



SUPERBENA ROYALE® Iced Cherry
Verbena ^{WNVBROICH} USPP23218 Can4587



SUPERBENA ROYALE® Plum Wine
Verbena ^{RIKAV14704} USPP25395 Can4785



SUPERBENA ROYALE® Romance
Verbena ^{RIKAV38602} USPP29013 Can5787

Superbena Sparkling®



SUPERBENA SPARKLING® Amethyst
Verbena ^{DVERBINPR} USPPAF CanPBRAF



SUPERBENA SPARKLING® Rosé
Verbena ^{RIKAV52102} USPP2683 CanPBRAF

Top-Selling Superbena

Here's how they rank in terms of liners sold in Canada.

Superbena® Whiteout™
 Superbena® Red
 Superbena® Peachy Keen
 Superbena Sparkling® Amethyst
 Superbena Imperial Blue™
 Superbena Royale® Plum Wine
 Superbena Sparkling® Rosé
 Superbena® Stormburst
 Superbena Royale® Iced Cherry
 Superbena® Coral Red
 Superbena Royale® Cherryburst
 Superbena® Violet Ice
 Superbena Royale® Romance
 Superbena® Raspberry
 Superbena® Pink Shades
 Superbena® Large Lilac Blue
 Superbena® Scarlet Star

Verbena Photoperiod Response

An independent trial conducted in a controlled environment revealed the following timing for Verbena. It is applicable for growers worldwide.

Less than 12 hours (Day Neutral Response)
Superbena Royale® Plum Wine Superbena® Imperial Blue™ Superbena Sparkling® Amethyst
Flowers best over 12 hours (Facultative Long-day Response)
Superbena® Peachy Keen Cake Pops® Purple Superbena Royale® Romance Superbena® Red Superbena® Scarlet Star Superbena Sparkling® Rosé Superbena® Pink Shades Cake Pops® Pink
Needs more than 13 hours (Obligate Long-day Response)
Superbena® Whiteout™ Superbena® Raspberry Superbena® Large Lilac Blue Superbena Royale® Iced Cherry Superbena® Coral Red Superbena® Violet Ice Superbena® Stormburst Superbena Royale® Cherryburst

METEOR SHOWER®

Verbena bonariensis

LANDSCAPE  51-76cm (20-30")    Vigor: 3

An updated look for the species, Meteor Shower® has a more compact, dense and vigorous growth habit which equates to more manageable and attractive plants as a flowering thriller in finished containers and massed in the landscape. And since the plants set little seed, it won't spread around the garden like most Verbenas of this type.

Growing Tips for METEOR SHOWER®

- High light levels are required in production.
- 150-200 ppm fertilizer for optimum growth.
- Good air circulation, water management practices, control of humidity, and good sanitation practices are critical.
- This plant sets little viable seed.
- In growing group BB (see page 145).

Notes: Pinch at 1-2 weeks after transplant if needed. To hold a crop for later delivery, an additional pinch or trim can be applied. Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. Scout crops regularly (at least once a week) for disease development.

AWARD WINNER –

METEOR SHOWER® Verbena

48 Awards including: Top Performer, Colorado State University; Top Performer, University of Minnesota-Morris; People's Pick, Texas A&M; Top Performer, Les Exceptionelles; Top Performer, University of Laval



METEOR SHOWER®
 Verbena bonariensis INVEBPUTOW USPP27722 CanE507

CAKE POPS® *Verbena rigida*



25-46cm (10-18")



Vigor: 2

This unique line of verbena fills a need for drought tolerant, deer resistant, low maintenance plants used in municipal plantings and public gardens nationwide. This species is ideal for hot, humid climates since it won't cycle out of bloom in extreme heat. Semi-upright, spreading plants bear clusters of pastel-colored blossoms at the tips of each stem and attract pollinators all summer long.

CAKE POPS® Pink *Verbena rigida* 'WNVECPPK' USPPAF CanPBRAF

Produces light pink flower clusters and blooms best under longer days.

CAKE POPS® Purple *Verbena rigida* 'WNVECPPUR' USPPAF CanPBRAF

Produces lavender purple flower clusters and is daylength neutral.

Growing Tips for CAKE POPS®

- High light levels are required in production.
- Good air circulation and water drainage are important; use well-drained growing media.
- Upon planting, water in the liners without saturating the soil. Allow the soil to stay relatively dry for the first 7-10 days to establish a strong root system.
- Feed with 150-200ppm N
- In growing group BB (see page 145).

Notes: Treat with a preventative broad spectrum fungicidal drench 1-2 weeks after transplant. Production trials using Configure® to finish have been very effective. Apply at 2400ppm two weeks after transplant. One week following that application, pinch plants to reduce internodal stretch. Two weeks after pinching, make a second application of Configure® at 2400ppm. Apply PGRs as needed to control height. Either a light spray of Sumagic® at 5ppm or a 1-2ppm drench of Bonzi® can be applied to control growth. Scout crop regularly for disease development.

AWARD WINNERS – CAKE POPS® *Verbena*

14 Awards including: Perfect Score, Iowa State; Top Performer, Penn State; Best of Breed, NC State; Top Performer, Young's Plant Farm



CAKE POPS® Pink
Verbena 'WNVECPPK' USPPAF CanPBRAF



CAKE POPS® Purple
Verbena 'WNVECPPUR' USPPAF CanPBRAF

Recommended replacements for dropped annual varieties for 2023

DROPPED VARIETY	RECOMMENDED REPLACEMENT
VANILLA BUTTERFLY® <i>Argyranthemum</i>	GOLDEN BUTTERFLY® <i>Argyranthemum</i>
SUPERBELLS® Double Orchid <i>Calibrachoa</i>	SUPERBELLS® Pink <i>Calibrachoa</i>
SUPERBELLS® Yellow <i>Calibrachoa</i>	SUPERBELLS® Yellow Improved <i>Calibrachoa</i>
TOUCAN® Dark Orange <i>Canna</i>	TOUCAN® Scarlet <i>Canna</i>
Sweet Caroline KIWI™ <i>Ipomoea</i>	Sweet Caroline MEDUSA™ Green <i>Ipomoea</i>
PATTI'S PINK™ <i>Isotoma</i>	BETH'S BLUE® <i>Isotoma</i>
LUSCIOUS® BANANARAMA™ <i>Lantana</i>	LUSCIOUS® Royale LEMON TART™ <i>Lantana</i>
LAGUNA® Compact Blue with Eye <i>Lobelia</i>	LAGUNA® Compact Blue with Eye Improved <i>Lobelia</i>
SUPERTUNIA® Trailing Strawberry Pink Veined <i>Petunia</i>	SUPERTUNIA® Rose Veined <i>Petunia</i>
SUPERTUNIA® White <i>Petunia</i>	SUPERTUNIA MINI VISTA® White <i>Petunia</i>
COLORBLAZE® Royale ALLIGATOR TEARS® <i>Plectranthus</i>	COLORBLAZE® Royale PINEAPPLE BRANDY™ <i>Plectranthus</i>
MOJAVE® Yellow <i>Portulaca</i>	MOJAVE® Yellow Improved <i>Portulaca</i>
ROCKIN'® Deep Purple <i>Salvia</i>	ROCKIN'® Deep Purple Improved <i>Salvia</i>
SUPERBENA ROYALE® Chambray <i>Verbena</i>	SUPERBENA® Violet Ice <i>Verbena</i>