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.

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.

SUNSATIA® Lemon

• In growing group AA (see page 217).

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, phytopthera, and thielaviopsis. Rhapsody

and other copper-based fungicides are effective as a preventative application.

AWARD WINNER - SUNSATIA® Nemesia

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



INNOCENCE Nemesia fruticans

Many early spring programs owe their success to nemesia. But their value as mid-season crops is just as important. Frost-tolerant and easy to grow, these snapdragon-like beauties also sport well-branched stems and attractive, medium green foliage.

Growing Tips for Nemesia

- 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 217).

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 WINNERS - Bluebird and INNOCENCE® 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



INFINITY® and RUFFLES New Guinea Impatiens





LANDSCAPE 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. Ruffles™ varieties feature ruffled flower petals and a slightly smaller habit than Infinity® Impatiens. 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.

Growing Tips for INFINITY® and RUFFLES™

- 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.
- to the container edge.
- of the foliage and the stunting of growth.

INFINITY® Red Impatiens hawkerii 'Vinfsalbis' USPP23277

past wilt stage.



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

54 Awards including: Excellent Rating, Disney Trials; One of the Best, Penn State;

46 Awards including: Top Performer, Biltmore; Top Performer, Jardin Daniel A Seguin; Excellent Rating, Disney-Warm Season; Top Performer, Michigan State University

Top Performer, University of Illinois; Top Performer, Colorado State University

occurs in Sunbelt states.

AWARD WINNERS -

INFINITY® New Guinea Impatiens

RUFFLES® New Guinea Impatiens

Infinity® series





INFINITY® Blushing Lilac Impatiens hawkerii "Visinfilla" USPP16147





INFINITY® Dark Pink





Impatiens hawkerii "Visinflipu" USPP16227



INFINITY® Orange Impatiens hawkerii 'Visinforimp' Can2886



Impatiens hawkerii Visinforfr' USPP16207 Can2288





INFINITY® Pink Frost



INFINITY® Red Impatiens hawkerii 'Vinfsalbis' USPP23277







Ruffles[™] series



Impatiens hawkerii "KIROCOLETTE" USPP26752 CanPBRAF



Impatiens hawkerii 'KIRORUF237' USPP26781 CanPBRAF



RUFFLES™ Peach Impatiens hawkerii "KIRORUF113" USPP26751 CanPBRAF



RUFFLES™ Red

75

LEMON DROP® Oenothera











Easy to grow, maintenance-free, and heat tolerant, Lemon Drop is a glorious, summer-long bloomer for hot, sunny spaces and containers.

Growing Tips for LEMON DROP®

- Yellowing foliage is most likely a symptom of overwatering.
- Long days are needed to flower early. Under natural day length, the plants will generally bloom beginning in late spring.
- A physiological response to cold temperatures is pink spots on the foliage and stems, which disappears as temperatures rise in production later in the season.
- Needs 100-150 ppm N constant liquid feed for optimal growth.
- In growing group AB (see page 217).

Notes: For containers 6" and smaller, pinch at transplanting only. For hanging baskets and containers larger than 6", soft pinch at planting and additional shaping pinch as needed. PGRs generally not needed, but 5-10 ppm of Sumagic® is effective. Winter flowering occurs in Sunbelt states.

AWARD WINNER - LEMON DROP® Oenothera

11 Awards Including: Best New Variety, Colorado State University; Classic City Awards, University of Georgia; Best Varieties, Penn State

BRIGHT LIGHTS Osteospermum







Dual cold and heat tolerance results in a long sales window for Bright Lights™ Osteospermums. Move them out first thing in spring, and then continue with summer, fall and even winter sales in sunbelt states.

BRIGHT LIGHTS™ Double Moonglow

Osteospermum ecklonis '**' USPPAF CanPBRAF US Utility US8759646 and US9040792

This double-flowered selection is twice as nice with its large, white flowers and showy, yellow centers. The center petals prevent the flowers from closing in low light conditions, keeping impulse sales strong, rain or shine. 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 217).

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



SOPRANO® and SYMPHONY Osteospermum © OO [8-14" Vigor: 2

Growers who are familiar with Osteospermum are well-versed

Collection Top Seller

Orange SYMPHONY

in **Soprano**, the classic series with improved heat tolerance.



AWARD WINNER - SOPRANO® Osteospermum

4 Awards including: Best Osteospermum, Colorado State University; Top Performer, Michigan State University; Best of Breed for Winter, JC Raulston Arboretum



SOPRANO® White Osteospermum 'Osjamwhit' USPP17070 Can2453

Lemon SYMPHONY

CHARMED® Wine

Oxalis regnellii



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 217).

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 regnellii 'JROXBURWI' USPP17557 Can2949





GRACEFUL GRASSES® VERTIGO® Pennisetum purpureum, Sweet Caroline Bewitched AFTER MIDNIGHT™ Ipomoea batatas, Sweet Caroline Raven Ipomoea batatas, SUPERTUNIA® ROYAL VELVET™ *Petunia*, and DOLCE® 'Blackberry Ice' *Heuchera* (Coral Bells)

BOLDLY® Pelargonium LANDSCAPE \$\infty\$ \times 10-12" \text{ Vigor: 3}



Geraniums are a consumer favorite, and the blooms of Boldly already have a dedicated and strong following among gardeners. That popularity has grown since this interspecific cross between zonal and ivy geraniums joined the Proven Winners brand. With more zonal traits than ivy traits, exceptional heat tolerance, and a mounded habit, Boldly offers beauty and strong garden performance.

Key account customers can purchase and propagate cuttings of Boldly® on your own. Contact your propagator for additional information.

AWARD WINNER - 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

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 217).

Notes: Treat with preventative broad-spectrum fungicidal drench one week after



TIMELESS Pelargonium ANDSCAPE ○ 12-18* Vigor: 2







Timeless is a new name but has the same great genetics as its forerunner, Caliente, which is already a popular plant with consumers. Sales have grown as this interspecific cross between zonal and ivy geraniums joined the Proven Winners brand. With more ivy traits than zonal traits, exceptional heat tolerance, and a vibrant collection of colors, Timeless offers beauty and strong garden performance. Timeless Pink and Timeless Fire have a more cascading, very well-branched habit while the others in this series are more mounded and compact.

Key account customers can purchase and propagate cuttings of Timeless™ on your own. Contact your propagator for additional information.

AWARD WINNER – TIIMELESS™ Pelargonium

76 Awards including: Best of Breed, North Carolina State; Top Performer, Kansas State; Summer Survivor, Texas A&M

Growing Tips for TIMELESS™

- 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 217).

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.



SUPERTUNIA® Petunia









all Vigor: 3 except Giant Pink, Pretty Much Picasso® 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® LOVIE DOVIE™

Petunia 'BBTUN91601' USPPAF CanPBRAF

Ruffled white flowers with a stable, magenta pink star pattern. This durable, all-season performer has great heat and humidity tolerance. New this year.

SUPERTUNIA® ROYAL MAGENTA™ Improved

Petunia 'INPETROYMA' USPPAF CanPBRAF

An improvement over one of the longest standing varieties we offer, you'll notice improved vigor, branching and flower power on this glowing magenta beauty. Improved 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 very 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 217).

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. Supertunia Minis may require higher rates of PGRs.



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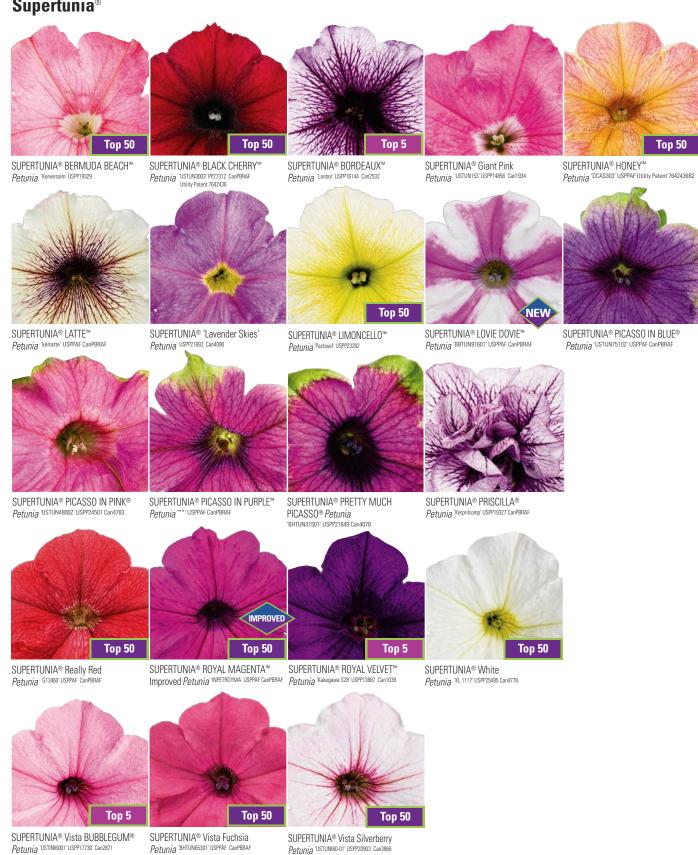
IMPROVED

There's a type of Supertunia to suit every gardening need. For a petunia that goes anywhere from landscapes to containers, choose the large-flowered, mounding Supertunia. Choose Supertunia Minis for a bold splash of trailing color in premium combinations and use Supertunia Charms for early color in hanging baskets and landscapes.

Supertunia®

Petunia 'USTINI6001' USPP17730 Can2871

Petunia 'BHTUN65301' USPPAF CanPBRAF



Supertunia® Mini



SUPERTUNIA® Mini Blue Petunia 'Kerminiblue' USPP21043 Can3867

SUPERTUNIA® Mini Blue Veined Petunia 'Conblue' USPP13543 Can 1605



SUPERTUNIA® Mini Bright Pink Petunia 'Mediopimo' USPP14858 Can1932



SUPERTUNIA® Mini Purple Petunia "USTUNI6504" USPP17898 Can2872



SUPERTUNIA® Mini Rose Veined Petunia 'USTUN53402' USPP27390 CanPBRAF



SUPERTUNIA® Mini Silver Petunia 'Petwibly' USPP17247 Can2594



SUPERTUNIA® Mini Strawberry Pink Veined Petunia 'Constraw' USPP13539 Can1609



SUPERTUNIA® Mini White Petunia 'Conbloss' USPP13556 Can1604

Supertunia® Charm



SUPERTUNIA® Morning Glory Charm SUPERTUNIA® Pink Star Charm Petunia 'USTUN61801' USPP27391 CanPBRAF

Petunia 'USTUNJ2401' USPPAF CanPBRAF



SUPERTUNIA® Sangria Charm Petunia 'USTUN34803' USPP22884 Can4352



Petunia 'USTUNJ1901' USPPAF CanPBRAF

SUPERTUNIA® Picasso Petunia







Vigor: 3 Pretty Much Picasso®: Vigor: 4

Standing out from the crowd with their artistically painted blooms is what Picasso Supertunias do best. Their novel flowers have tremendous impulse appeal and their performance matches the high standards set for all Supertunias.

Growing Tips for SUPERTUNIA® PICASSO Petunia

- Requires high light in production.
- 250+ ppm fertilizer. Watch pH and EC levels.
- Yellow growth tips often indicate an iron shortage in response to too high pH.
- Do not bring in too early.
- In growing group AA (see page 217).

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.



1. Proven Package Sizes: 4.50 Classic™, 4.25 Grande™, or 1.0 GL Royale™



2. Hanging basket tags

Growers need to choose from these Proven Packages when ordering Supertunia[®] Picassos.

When you order these liners, you must choose one of the following two options:

- 1. Order the traditional white Proven Winners branded container for each liner in one of the available sizes.
- 2. Order a Supertunia Picasso hanging basket tag.

Orders for liners placed without orders for container/tag will not ship.



SUPERTUNIA® Mini Petunia LANDSCAPE ® 00 [4-8" >>> Vigor: 3











Supertunia Minis are the highlight of combination containers and hanging baskets, trailing up to an amazing six feet long by season's end. They have smaller but extremely plentiful blooms, later to flower but lasting well into fall. They are recommended for mid-May production and will add color to your benches all summer long.



SUPERTUNIA® Mini Blue



SUPERTUNIA® Mini Blue Veined



SUPERTUNIA® Mini Bright Pink



SUPERTUNIA® Mini Purple
Petunia "USTUNI6504" USPP17898 Can2872



SUPERTUNIA® Mini Rose Veined



SUPERTUNIA® Mini Silver Petunia Petwibly USPP17247 Can2594



SUPERTUNIA® Mini Strawberry Pink SUPERTUNIA® Mini White Veined Petunia Constraw USPP13539 Can1609



Petunia 'Conbloss' USPP13556 Can160-



SUPERTUNIA® Mini Rose Veined Petunia

SUPERTUNIA Charm Petunia Control of 16-12" Year of







For a picture perfect summer crop, choose Supertunia Charm. These extremely vigorous petunias are early to flower, a key advantage for Southern growers, and last long into fall. They fill out hanging baskets fully and can be used as a substitute for Calibrachoa in landscape plantings.

SUPERTUNIA® Hot Pink Charm Petunia 'USTUN2401M' USPPAF CanPBRAF

Prolific, bold pink flowers. Perfectly matched to Pink Star Charm. New this year.

SUPERTUNIA® Mulberry Charm Petunia '**' USPPAF Canpbraf

Like a miniature-flowered Bordeaux™; lavender pink flowers with a purple eye and veining. New this year.













SUPERTUNIA® Violet Star Charm

SUPERTUNIA® Morning Glory Charm SUPERTUNIA® Pink Star Charm

Petunia 'USTUNJ2401' USPPAF CanPBRAF

SUPERTUNIA® Sangria Charm Petunia 'USTUN34803' USPP22884 Can4352





SUPERTUNIA® Hot Pink Charm Petunia '**' USPPAF CanPBRAF

SUPERTUNIA® Mulberry Charm

SUPERTUNIA VISTA Petunia Vigor: 4









The best petunia for landscapes. Hands down.

Supertunia Vista varieties deliver an outstanding performance over the entire season, lasting an extra Vista Bubblegum has become a legend in its own time,



SUPERTUNIA® Petunia ANDSCAPE O 6-12" Y X W









Above: ANGELFACE® Perfectly Pink Angelonia, ANGELFACE® Super Blue Angelonia, GRACEFUL GRASSES® PRINCE TUT™ Cyperus papyrus, SUPERTUNIA® Vista BUBBLEGUM® Petunia, SUPERTUNIA® Vista Fuchsia Petunia, and SUPERTUNIA® Vista Silverberry Petunia

	Timing	Habit	Recommended Use	Sun-Shade Tolerance
Supertunia® Vista	All Season	Mounding 3' Trailing 4'	4.50 Classic [™] , 4.25 Grande [™] , and 1.0 GL Royale [™] , Hanging baskets, upright containers, best Supertunia [®] for landscape	Full sun Early to flower
Supertunia®	Early Season - Summer	Mounding Length 4'	4.50 Classic™, 4.25 Grande™, and 1.0 GL Royale™, Hanging baskets, upright containers, landscape	More shade tolerant than others – easier under short days in small containers
Supertunia® Mini	Mid Season - Summer	Trailing Length 6'	4.50 Classic™, 4.25 Grande™, and 1.0 GL Royale™ Hanging baskets, upright containers, landscape	Best under long days as late crop, Full sun
Supertunia® Giant Pink	Mid Season	Vigorous Trailing Length 6'	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® Picasso	Early Season - Summer	Pretty Much Picasso® — Trailing 4-5' All other Picassos — Mounding 12"	4.50 Classic [™] , 4.25 Grande [™] , and 1.0 GL Royale [™] Hanging baskets, upright containers with other vigorous varieties, landscape	Best in full sun Fewer flowers in part sun Early to flower
Supertunia® Charm	Mid Season	Mounding 12" Trailing 2-3'	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 Timing Chart

There is a 8-week variance from earliest-flowering to latest-flowering varieties.

Week	10	11	12	13	14	15	16	
Early-Flowering Varieties								
Supertunia® Mulberry Charm								
Supertunia® Daybreak Charm								
Supertunia® Royal Magenta [™] Improved								
Supertunia® Hot Pink Charm								
Supertunia® Lovie Dovie™								
Supertunia® Honey™								
Supertunia® Picasso in Blue®								
Supertunia® Picasso in Pink®								
Supertunia [®] Picasso in Purple [™]								
Supertunia® Latte™								
Supertunia® Pink Star Charm								
Supertunia® Morning Glory Charm								
Supertunia® Vista Fuchsia								
Supertunia® Limoncello™								
Mid-Flowering Varieties								
Supertunia® Violet Star Charm								
Supertunia® White								
Supertunia® Vista Silverberry								
Supertunia® Black Cherry [™]								
Supertunia® Indigo Charm								
Supertunia® Mini Rose Veined								
Supertunia® Vista Bubblegum®								
Supertunia® Lavender Skies								
Supertunia® Really Red								
Supertunia® Pretty Much Picasso®								
Supertunia® Royal Velvet™								
Supertunia® Mini Silver								
Supertunia® Sangria Charm								
Supertunia® Giant Pink								
Supertunia® Bordeaux™								
Supertunia® Bermuda Beach™								
Supertunia® Mini White								
Later-Flowering Varieties								
Supertunia® Mini Blue Veined								
Supertunia® Mini Purple								
Supertunia® Priscilla®								
Supertunia® Mini Strawberry Pink Veined								
Supertunia® Mini Bright Pink								
Supertunia® Mini Blue								

Top-selling Supertunia

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

Supertunia® Vista Bubblegum®

Supertunia® Royal Velvet™

Supertunia® Bordeaux™

Supertunia® Vista Fuchsia

Supertunia® Vista Silverberry

Supertunia® White

Supertunia® Limoncello™

Supertunia® Bermuda Beach™

Supertunia® Honey™

Supertunia® Really Red

Supertunia[®] Royal Magenta[™] Improved

Supertunia® Black Cherry™

Supertunia® Violet Star Charm

Supertunia® Daybreak Charm

Supertunia® Mini Silver

Supertunia® Mini Blue Veined

Supertunia® Pretty Much Picasso®

Supertunia® Pink Star Charm

Supertunia® Latte™

Supertunia® Mini Strawberry Pink Veined

Supertunia® Picasso in Purple™

Supertunia® Indigo Charm

Supertunia® Sangria Charm

Supertunia® Priscilla®

Supertunia® Giant Pink

Supertunia® Mini Blue

Supertunia® Mini Rose Veined

Supertunia® Morning Glory Charm

Supertunia® Mini White

Supertunia® Mini Purple

Supertunia® Picasso in Blue®

Supertunia® Lavender Skies

Supertunia® Mini Bright Pink

Supertunia® Picasso in Pink®











Their 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 throughout the Midwest and South. Intensia grow from early spring through autumn and are wonderful mid-height plants for your premium hanging baskets and containers.

INTENSIA® Red Hot *Phlox drummondii* 'Dphlox911' USPPAF CanPBRAF Absolutely glowing, true red flowers blanket the foliage of this remarkably heat and drought tolerant plant all season. An ideal component for patriotic combinations. New this year.

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 WINNER - INTENSIA® Phlox

27 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 217).

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.



MOJAWE® Portulaca grandiflora LANDSCAPE ® 0.[4-6" W Vigor: 2



soil is no problem for these durable beauties. Use them as trailers in hanging baskets or as an annual groundcover.









Sure to be a hit in southern regions, these colorful flowering succulents bloom all summer without deadheading. The vivid blooms are a welcome sight especially in high summer when they really come into their own. Poor, dry

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

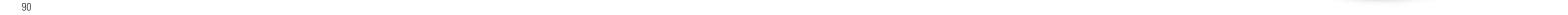
Notes: Pinch at 1-2 weeks after transplant if needed. Treat with a preventative broad spectrum fungicidal drench at 1-2 weeks after development. Good air circulation, control of humidity, and good sanitation practices are critical

AWARD WINNER - MOJAVE® Portulaca

135 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

Key account customers can purchase and propagate unrooted cuttings of Mojave® Portulaca on your own. Contact your propagator for additional information.





SUNBINI

Sanvitalia procumbens







With its larger flowers and more uniform habit, Sunbini is faster to fill out and extra drought-tolerant. Be sure to recommend this one to your landscape customers.

Growing Tips for SUNBINI™

- High light is essential.
- 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 217.)

AWARD WINNER - Sunbini Sanvitalia 6 Awards including: Top Performer, Michigan State; Top Performer, Penn State; Best Varieties,

SUNBINI™ Sanvitalia procumbens 'Starbini' USPP17869 Can2827

Colorado State University

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.

ABLAZIN'® Salvia splendens











For a high drama accent in landscapes and large containers, choose Ablazin' Salvia. These are sizable, well-branched plants that add structure and height to landscape beds with the bonus of attracting hummingbirds and butterflies too. Choose from fire engine red or deep purple flowers. Their colorful bracts remain long after the actual flowers drop, so the plants display great color all season. Ideal for 4.25 Grande™ and 1.0 Royale[™] containers and upright combinations.

Growing Tips for ABLAZIN'®

- 150-200 ppm N.
- Scout for aphids and whiteflies.
- In areas of lower humidity and high light levels, flowers could scorch and will perform best under light shade.
- Treat with preventative broad spectrum fungicidal drench one week after transplant.
- In growing group AB (see page 217).

AWARD WINNER - ABLAZIN'® Salvia

47 Awards including: Top Performer, Michigan State University; Leader of the Pack, North Carolina State University; Top Performer, Oregon State University



ROCKIN' Salvia

ROCKIN'™ PLAYIN' THE BLUES® Improved

Salvia longispicata x farinacea '**' USPPAF Canpbraf

clumps of bright green foliage. Improved this year.

ROCKIN'™ Deep Purple Salvia 'BBSAL09001' USPPAF CanPBRAF



tolerance, and season-long flower power without deadheading.

Even more awesome flower power! Violet blue flowers emerge from

purple calyxes that hold their color long after the flowers are spent.

New blooms continue to rock this plant all season long atop bushy

An improvement over Amistad, this refined selection is more compact

combinations and in the landscape. Deep purple flowers are held by

black bracts which remain colorful all season. New this year.

and well-branched, presenting beautifully as a thriller in large container









There's nothing like a mass of cool blue salvia flowers to light up sunny Growing Tips for ROCKIN™ gardens and draw in the pollinators. Though each of the members of this series are unique, they share an impressive stature, major heat

IMPROVED

A routine preventative broad spectrum fungicidal spray program is encouraged.

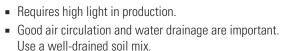
- 150-200 ppm N. Be careful to not overfertilize. Using fertilizer high in ammonia can cause excessive vegetative growth
- Growth can be controlled using B-9 at 2,500 to 3,750 ppm.
- In growing group AB. (see page 217).

Notes for ROCKIN'™ PLAYIN' THE BLUES®:

Apply growth regulators as needed for height control.

Notes for ROCKIN'™ Deep Purple®:

Compact early habit is great for container production. Pinch at 1-2 weeks after transplant if needed. Growth can be controlled using lower temperatures.





ABLAZIN'® Purple

Salvia splendens

WONDER and WHIRLWIND Scaevola LANDSCAPE OF 18-14" Vigor: 3



Don't be fooled by their delicate, lacy flowers and gracefully mounding/spreading habit. Fan flowers are native to the Bush country of Western Australia. Constantly in flower, these combo stars also boast attractive foliage and a well-branched habit. Whirlwind Blue has fade-proof purple-blue flowers, looks great in a four-inch container, and is ideal for landscaping. Whirlwind White continues to set the standard for season-long performance and immunity to temperature extremes and tough conditions. And Wonder varieties continue to bring beauty and enjoyment to millions of home gardeners.

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 217).

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

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

WONDER Scaevola

44 Awards including: Best of Breed-Containers, North Carolina State University; Top Pick, Dallas Arboretum; Top Performer, Kansas State University; Top Performer, University of Minnesota; Top Performer, Daniel A Seguin



Scaevola aemula 'Bomy Whit' USPP20790 Can3851





Chartreuse foliage:

'Sweet Caroline Light Green' Ipomoea batatas, Sweet Caroline Bewitched GREEN WITH ENVY™ Ipomoea batatas, COLORBLAZE® LIME TIME™ Solenostemon (Coleus), LEMON CORAL™ Sedum mexicanum, SHADOWLAND® 'Autumn Frost' Hosta, 'Charlotte's Web' Tradescantia, and ANNA'S MAGIC BALL™ Thuja occidentalis

LEMON CORAL™

Sedum mexicanum





LANDSCAPE 3 0 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
- In growing group BB (see page 217).

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

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



LEMON CORAL™ Sedum mexicanum

COLORBLAZE Solenostemon scutellarioides (Coleus)

With vibrant color and exceptional 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.

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 Collection 3-5 ppm will help **Top Seller** control growth if needed. In growing group BC (see page 217). **Top Seller** COLORBLAZE® Dipt in Wine Solenostemon scutellarioides COLORBLAZE® LIME TIME™ 720-36" Vigor: 4 Solenostemon scutellarioides COLORBLAZE® APPLE BRANDY® Solenostemon scutellarioides 724-34" Vigor: 3 COLORBLAZE® ROYAL GLISSADE® Solenostemon scutellarioides COLORBLAZE® ALLIGATOR TEARS® 24-36" Vigor: 3 Solenostemon scutellarioides

720-30" Vigor: 3



AWARD WINNER - COLORBLAZE® Solenostemon 338 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



SNOWSTORM® Sutera cordata (Bacopa) Source Snowstorm® Blue and Pink: Vigor: 2

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.

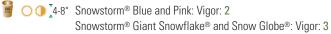
Growing Tips for SNOWSTORM®

- 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-9.
- Treat with preventative broad spectrum fungicidal drench one week after transplant.
- In growing group BA (see page 217).

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.

AWARD WINNER - SNOWSTORM® Sutera

17 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





Sutera cordata 'G13340' USPPAF CanPBRAF



Sutera cordata 'Danova906' US17886 Can2861



SNOWSTORM® Pink Sutera cordata 'Danova982' USPP22398



SNOWSTORM® SNOW GLOBE® Sutera cordata "Danova780" USPP26789 Can5264



SNOWSTORM® SNOW GLOBE® Sutera cordata 'Danova780'' USPP26789 Can526

A-PIII Thunbergia alata LANDSCAPE O 5-8' Vigor: 4



PROVEN WINNERS





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.

Lemon A-PEEL® Thunbergia alata 'Lemon Star' USPP14371 Clear lemon yellow flowers with a black eye dot the bright

green foliage all season. New this year.

Orange A-PEEL®

Thunbergia alata 'Orange Wonder' USPP14767 Vibrant orange flowers with a black eye dot the bright green foliage all season. New this year.

Tangerine Slice A-PEEL® Thunbergia alata 'DL1501' USPPAF CanPBRAF Orange and yellow bicolor flowers with a black eye dot the bright green foliage all season. New this year.

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 217).

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 WINNER – Lemon A-PEEL® Thunbergia

4 Awards including: Top Performer, University of Minnesota



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

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

Tangerine Slice A-PEEL® Thunbergia alata 'DL1501' USPPAF CanPBRAF

oversized blossoms add to their appeal.

AWARD WINNER – CATALINA® Torenia

and Containers, Kansas State University

Catalina Torenia will make a colorful addition to your shade

in landscapes too. An extra helping of heat tolerance and

68 Awards including: Top Pick, Dallas Arboretum; Best Old Variety, University of

Tennessee; Top Performer, University of Wisconsin; Top Performer In-Ground

collection, as they thrive and bloom in any amount of sunlight.

They make great fillers in combination containers and work well







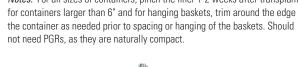




Growing Tips for CATALINA®

- 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 217).

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





CATALINA® Midnight Blue



CATALINA® GILDED GRAPE™ Torenia 'Dancat266' USPP20242 Can3904

CATALINA® White Liner



CATALINA® Pink Torenia 'Dancatpink' USPP17025 Can2525



8-12"











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®

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 WINNER - SUMMER WAVE® Torenia

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



SUMMER WAVE® Large Violet

SUPERBENA® Verbena LANDSCAPE © 0.6-12" W Vigor: 3











Selected for their robust size, exceptional mildew resistance, and larger flowers that are produced all summer without deadheading, you won't find a better verbena than Superbena.

SUPERBENA® Stormburst Verbena 'RIKA18302M' USPPAF Canpbraf Consumers love bicolor blooms, and the soft lavender and white striped flowers of Superbena Stormburst are sure to please. It is perfectly matched to Superbena Violet Ice in timing, habit and vigor. Try pairing them together in hanging baskets and upright containers with other medium vigor varieties. New this year.

AWARD WINNER - SUPERBENA® Verbena

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

Growing Tips for SUPERBENA®

- High light in production is essential.
- 150-200 ppm fertilizer.
- Preventive fungicides recommended one week after transplant.
- Superbena is our most vigorous series of verbenas.
- Low pH and severe dry down can cause iron toxicity if supplemental iron has been applied.
- In growing group BB (see page 217).

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. Growth can be controlled using lower temperatures. Although Superbena is more resistant than most, powdery mildew can be a problem in poor growing environments. A routine preventative spray program is encouraged.

Easiest SUPERBENA® to Grow -

Propagators recommend Royale varieties as the easiest Superbena to grow in a 4.25 container.

SUPERBENA® Violet Ice Verbena 'RIKAV18302' USPP25396 Can4786 SUPERBENA® Stormburst Verbena 'RIKA18302M' USPPAF CanPBRAF

Superbena®



SUPERBENA® Burgundy Verbena 'USBENAL5' USPP14851 Can1825



SUPERBENA® Coral Red Verbena 'AKIV98-01' USPP21639 Can4146



SUPERBENA® Dark Blue Verbena 'USBENAL8' USPP14853 Can1826



SUPERBENA® Large Lilac Blue Verbena 'USBENAL11' USPP14854 Can1827



SUPERBENA® Pink Shades Verbena 'USBENAL20' USPP14876 Can1829



SUPERBENA® Purple Verbena 'USBENAL25' USPP15683 Can1831



SUPERBENA® Stormburst Verbena 'RIKA18302M' USPPAF CanPBRAF



SUPERBENA® Violet Ice Verbena 'RIKAV18302' USPP25396 Can4786

Superbena® Royale



SUPERBENA® Royale Chambray Verbena 'AKIV571-1' USPP23051 Can4384



SUPERBENA® Royale Cherryburst Verbena 'AKIV28902M1' USPP27388 CanPBRAF



SUPERBENA® Royale Iced Cherry Verbena 'INVEBROICH' USPP23218 Can4587



SUPERBENA® Royale Peachy Keen Verbena 'RIKAV36504' USPPAF CanPBRAF



SUPERBENA® Royale Plum Wine Verbena 'RIKAV14704' USPP25395 Can4785



SUPERBENA® Royale Red Verbena 'AKIV54' USPP21640 Can4145



SUPERBENA® Royale Romance Verbena 'RIKAV38602' USPPAF CanPBRAF



SUPERBENA® Royale Whitecap Verbena 'RIKAV17805' USPP25394 Can4919

Superbena® Sparkling



SUPERBENA® Sparkling Amethyst



SUPERBENA® Sparkling Ruby

Verbena '**' USPPAF CanPBRAF Verbena '**' USPPAF CanPBRAF

105

The upright compact habit of the Royale series makes it great for Grande™ container production, but it still becomes a vigorous, spreading plant for the consumer. Superb shelf life, yet strong garden performance make Royale varieties stand out.



SUPERBENA® Royale Chambray Verbena













Tukana is an early-blooming series with large flowers on slightly elliptical heads and broad leaves. Vivid colors and a dense, mounded form add to its appeal. Performs well in small containers but even better in large containers, hanging baskets, and in the landscape.

AWARD WINNERS - TUKANA® Verbena

28 Awards including: One of the Best, Penn State; Top Performer, Michigan State; Leader of the Pack, North Carolina State; Most Consumer Appeal, Oregon State University

Growing Tips for TUKANA®

- High light in production is essential.
- 200 ppm fertilizer.
- Preventive fungicides recommended at transplant.
- Tukana is in growing group BB (see page 217).

Notes: One pinch at liner planting. Trim back as needed. Sumagic® at 5-10 ppm may be used to keep neighboring containers from growing into each other. Growth can be controlled using lower temperatures. Powdery mildew can be a problem. A routine preventative spray program is encouraged.



TUKANA® Raspberry Verbena 'Raspena' USPP18979 Can3628

TUKANA® Scarlet
Verbena 'Scarletta' USPP18797 Can3538



Verbena Comparison Chart

Series	Timing	Foliage	Habit	Recommended Use	Sun-Shade Tolerance
TUKANA®	Early Season/ Summer	Broad Leaf	Mounding 4-8"	4.25 Grande™, 1.0 GL Royale™, Combo Baskets and Containers, Landscape	Part sun to sun
SUPERBENA®	Early Season/ Summer	Broad Leaf	Upright Spreading Vigorous 6-12"	4.25 Grande™, 1.0 GL Royale™, Mono and Combo Baskets and Containers	Part sun to sun

Verbena Timing Chart

There is a 6-week variance from earliestflowering to latest-flowering varieties.

Week	11	12	13	14	15	16
Early-Flowering Varieties Superbena® Stormburst Superbena® Sparkling Ruby						
Mid-Flowering Varieties Superbena® Sparkling Amethyst Superbena® Royale Romance Superbena® Royale Red Superbena® Royale Plum Wine Superbena® Purple Superbena® Royale Cherryburst Superbena® Royale Peachy Keen Tukana® Raspberry Superbena® Violet Ice Superbena® Pink Shades Tukana® Scarlet Tukana® Scarlet Star Superbena® Royale Whitecap						
Later-Flowering Varieties Superbena® Large Lilac Blue Superbena® Burgundy Superbena® Coral Red Superbena® Royale Chambray Superbena® Dark Blue Superbena® Royale Iced Cherry						

Top-Selling Superbena®

Here's how they rank in terms of liners sold in the U.S.

Superbena® Royale Peachy Keen Superbena® Royale Plum Wine

Superbena® Royale Chambray

Superbena® Royale Red

Superbena® Royale Whitecap

Superbena® Royale Cherryburst

Superbena® Large Lilac Blue

Superbena® Dark Blue

Superbena® Burgundy

Superbena® Pink Shades

Superbena® Royale Iced Cherry

Superbena® Sparkling Ruby

Superbena® Sparkling Amethyst Superbena® Royale Romance

Superbena® Violet Ice

Superbena® Coral Red

Superbena® Purple



Dropped Proven Winners Variety

Peter's Gold Carpet Bidens
SUNDAZE® Flame Bracteantha
SUPERBELLS® Frostfire Calibrachoa
FLYING COLORS® Red Diascia
ROCKAPULCO® Orchid Impatiens
INFINITY® Electric Cherry Impatiens hawkerii
INFINITY® Electric Coral Impatiens hawkerii
Compact INNOCENCE® Nemesia
SUPERTUNIA® Mini Appleblossom Petunia
SUPERTUNIA® Orchid Charm Petunia
SUPERTUNIA® Watermelon Charm Petunia

INTENSIA® Cabernet *Phlox*SNOWSTORM® Blue Bubbles *Sutera*

Recommended Replacement

GOLDILOCKS ROCKS® Bidens
SUNDAZE® GOLDEN BEAUTY® Bracteantha
SUPERBELLS® OVER EASY™ Calibrachoa
FLIRTATION® Orange Diascia
ROCKAPULCO® Appleblossom Impatiens
INFINITY® Blushing Lilac Impatiens hawkerii
INFINITY® Red Impatiens hawkerii
SUNSATIA® Coconut Nemesia
SUPERTUNIA® Mini Rose Veined Petunia
SUPERTUNIA® Pink Star Charm Petunia
SUPERTUNIA® Trailing Red Petunia or
SUPERTUNIA® Really Red Petunia
INTENSIA® Red Hot Phlox
SNOWSTORM® Blue Sutera