HIPPO® Hypoestes phyllostachya
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 seasonlong 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 129).

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.

SUNCREDIBLE® Helianthus
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 Yellows 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
17 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 Exceptionelles

Growing Tips for SUNCREDIBLE®
■ Moderate to high light levels in production.
■ Feed with 150-300ppm 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 129).

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 levels less frequently. (Drench with 2-3ppm Bonzi® or a tank mix of 500ppm B-Nine® and 1000ppm Cycocel® 1-2 weeks after pinching. Repeat a 2-3ppm Bonzi drench at first sign of viable 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.)
- In growing group CB (see page 129).

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 1500-3000ppm two weeks after transplant. Bonzi is also effective.
- Check manufacturer labels for approved rates and usage recommendations.
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 129).

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.
Climbing Ipomoea began as a novel invention in the industry and has since been greatly improved. Our 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. 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.

AWARD WINNERS – Sweet Caroline UPSIDE™ Ipomoea

All Awards including: Best in Show, University of TN-Jackson; Perfect Score, Texas Tech; Perfect Score; Iowa State University

Growing Tips for Sweet Caroline UPSIDE™

- Upright climber; supports or trellis will help this crop grow in the right direction.
- 75-200 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 129).

Notes: Treat with a preventative broad spectrum fungicide for up to 1 week after transplant. Scout regularly for aphids and whitefly which can be problematic.

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® DUSK™ Jamebrittenia ‘**’ USPPAF CanPBRAF

A color expansion for the series, this new cultivar bears glitzy purple blooms with a gold eye on mounded to trailing stems. It complements the lighter lilac purple flowers of Safari Sky and the color-shifting Safari Dawn, whose blossoms transition through rose pink and lavender shades while displaying a prominent yellow eye. New this year.

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.
- 150-200 ppm 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 129).

Notes: Prune the vine 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 container just prior to hanging. 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.
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.

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 129).

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
50+ 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 Guanajuato.

### Luscious Comparison Chart

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Vigor</th>
<th>Habit</th>
<th>Height</th>
<th>In Combos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basket Tangerine™</td>
<td>2</td>
<td>Mounded</td>
<td>30-46cm (12-18”)</td>
<td>Yes, with any</td>
</tr>
<tr>
<td>Berry Blend™</td>
<td>3</td>
<td>Mounding</td>
<td>51-76cm (20-30”)</td>
<td>Yes, with vigorous companions</td>
</tr>
<tr>
<td>Citron</td>
<td>3</td>
<td>Mounding</td>
<td>51-76cm (20-30”)</td>
<td>Yes, with vigorous companions</td>
</tr>
<tr>
<td>Citrus Blend™</td>
<td>3</td>
<td>Mounding</td>
<td>51-76cm (20-30”)</td>
<td>Yes, with vigorous companions</td>
</tr>
<tr>
<td>Golden Gate™</td>
<td>3</td>
<td>Mounding</td>
<td>51-76cm (20-30”)</td>
<td>Yes, with vigorous companions</td>
</tr>
<tr>
<td>Grape</td>
<td>2</td>
<td>Trailing</td>
<td>25-36cm (10-14”)</td>
<td>Yes, with any</td>
</tr>
<tr>
<td>Marmalade</td>
<td>3</td>
<td>Mounding</td>
<td>51-76cm (20-30”)</td>
<td>Yes, with vigorous companions</td>
</tr>
<tr>
<td>Pinkberry Blend™</td>
<td>3</td>
<td>Mounding</td>
<td>51-76cm (20-30”)</td>
<td>Yes, with vigorous companions</td>
</tr>
<tr>
<td>Royale Cosmo</td>
<td>2</td>
<td>Upright Globe</td>
<td>30-66cm (12-26”)</td>
<td>Due to habit, mix with trailing plants</td>
</tr>
<tr>
<td>Royale Lemon Tart™</td>
<td>2</td>
<td>Upright Globe</td>
<td>30-66cm (12-26”)</td>
<td>Due to habit, mix with trailing plants</td>
</tr>
<tr>
<td>Royale Piña Colada</td>
<td>2</td>
<td>Upright Globe</td>
<td>30-66cm (12-26”)</td>
<td>Due to habit, mix with trailing plants</td>
</tr>
<tr>
<td>Royale Red Zone™</td>
<td>2</td>
<td>Upright Globe</td>
<td>30-66cm (12-26”)</td>
<td>Due to habit, mix with trailing plants</td>
</tr>
</tbody>
</table>
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.

**AWARD WINNERS – LAGUNA® Lobelia**
45 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

**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 129).

**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.
**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 129).

**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

**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**
- 336 Awards including: Excellent Rating, Boerner Botanical Garden, Milwaukee, Wisconsin; Outstanding Rating, Disney Trials; Top Performer, Cornell University; Top Performer, University of Wisconsin; Top Performer, The Oregon Garden; Top Performer, Cornell University; Les Exceptionelles

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**GOLDDUST® Mecardonia**

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 129).

**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; The Oregon Garden

**Growing Tips for Bluebird**
- Preventive fungicides are recommended one week after transplant.
- Flore® 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 126)

**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

**Top 50**

**ANNUAL COLLECTION**
Aromance® Nemesia fruticans

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.

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.
- Can also be used to schedule flowering. flowers will appear 4 weeks after application.
- In growing group AA (see page 129).

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. Phlox lines 1-2 weeks after transplant if needed. A 5ppm application of Sunmagic® combined with cold temperatures can be used to control growth.

Awards Winner – Aromance® Nemesia
41 Awards including: Perfect Score All Season, Oregon State University; Best Nemesia, Pure-Stat, Leader of the Pack, JC Raulston Arboretum.

Sunsatia® Nemesia

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.

Sunsatia® Coconut Improved Nemesia ‘**’ USPPAF CanPBRAF
Amped up flower power, improved heat tolerance and more persistent color through the season are the key features of this improved white flowering nemesia. Its denser habit makes it a great match for Sunsatia Cranberry Red. An excellent pansy replacement or companion for spring and fall sales. Improved this year.

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 129).

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.

Awards Winner – Sunsatia® Nemesia
15 Awards including: Excellent Rating, Disney Trials; Consumer Top Choice, Cornell-Long Island.

AROMANCE® Nemesia fruticans

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.

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.
- Can also be used to schedule flowering. flowers will appear 4 weeks after application.
- In growing group AA (see page 129).

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. Phlox lines 1-2 weeks after transplant if needed. A 5ppm application of Sunmagic® combined with cold temperatures can be used to control growth.

Awards Winner – Aromance® Nemesia
41 Awards including: Perfect Score All Season, Oregon State University; Best Nemesia, Pure-Stat, Leader of the Pack, JC Raulston Arboretum.

AROMANCE® Pink
Nemesia fruticans ‘INNEMAROPI’ USPPAF CanPBRAF

AROMANCE® Mulberry
Nemesia fruticans ‘INNEMMULBE’ USPPAF CanPBRAF

AROMANCE® Mallow
Nemesia fruticans ‘INNEMALLO’ USPPAF CanPBRAF
BRIGHT LIGHTS™ Osteospermum

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.

AWARD WINNERS - BRIGHT LIGHTS™ Osteospermum
51 Awards including: Top Performer, Jardin Daniel A. Seguin; Top Performer, Penn State; Top Performer, University of Guelph; Top Performer, University of Laval; Visitor’s Choice, Missouri Botanical Garden

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 129).

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

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™ Double Moonglow
Osteospermum ‘KLEOE17308’ US Utility US8759646 and US9040792

LANDSCAPE AWARD WINNERS – BRIGHT LIGHTS™ Osteospermum
97 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 Botanical Garden

BRIGHT LIGHTS™ White
Osteospermum ‘KLEOE17329’ CanPBRAF

™

BRIGHT LIGHTS™ Purple
Osteospermum ‘INOSTBLPUR’ USPP32642 CanPBRAF

BRIGHT LIGHTS™ Red
Osteospermum ‘**’ USPPAF CanPBRAF

BRIGHT LIGHTS™ HORIZON™
Sunset Osteospermum ‘**’ USPPAF CanPBRAF

BRIGHT LIGHTS™ Yellow
Osteospermum ‘INOSTYELOW’ USPP29021 Can6044

AMAZEL BASIL® Ocimum

The gold standard in vegetatively produced, downy mildew resistant basil. Very large, vigorous, well-branched plants reach harvestable size quickly, remain in a vegetative state longer, and set sterile seed. The very best basil we’ve ever trialed.

Growing Tips for AMAZEL BASIL®
- 150-200 ppm N for optimal growth.
- Pinch floral buds during early plant establishment to promote vegetative growth.
- Grow under high light conditions with good air circulation.
- Avoid temperatures below 40°F.
- Good water management practices are critical to healthy growth; avoid late day overhead watering.
- Employ good sanitation practices including keeping the greenhouse clean, eliminating weeds and debris, keeping hose-ends off the floor, and disinfecting equipment as often as possible.
- Scout for thrips and botrytis.
- In growing group BC (see page 129).

AWARD WINNER – AMAZEL BASIL® Ocimum
51 Awards including: Top Performer, University of Guelph; Best of Show, University of Tennessee-Jackson; Perfect Score, Michigan State University; Top Performer, Oregon State University; Top Performer, Les Exceptionnelles

51-91cm (20-36“)
Vigor: 4

The gold standard in vegetatively produced, downy mildew resistant basil. Very large, vigorous, well-branched plants reach harvestable size quickly, remain in a vegetative state longer, and set sterile seed. The very best basil we’ve ever trialed.

Growing Tips for AMAZEL BASIL®
- 150-200 ppm N for optimal growth.
- Pinch floral buds during early plant establishment to promote vegetative growth.
- Grow under high light conditions with good air circulation.
- Avoid temperatures below 40°F.
- Good water management practices are critical to healthy growth; avoid late day overhead watering.
- Employ good sanitation practices including keeping the greenhouse clean, eliminating weeds and debris, keeping hose-ends off the floor, and disinfecting equipment as often as possible.
- Scout for thrips and botrytis.
- In growing group BC (see page 129).

AWARD WINNER – AMAZEL BASIL® Ocimum
51 Awards including: Top Performer, University of Guelph; Best of Show, University of Tennessee-Jackson; Perfect Score, Michigan State University; Top Performer, Oregon State University; Top Performer, Les Exceptionnelles

51-91cm (20-36“)
Vigor: 4
**CHARMED® Wine**
*Oxalis triangularis*

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 windowills. 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 129).

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

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**BOLDLY® Pelargonium**

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.

**BOLDLY® White Improved** Pelargonium **'** USPPAF CanPBRAF

This essential white geranium is getting an upgrade this year with new double blooms that deliver a strong show of color in container recipes and Grandes. Improved supply will help ensure timely delivery to growers and retailers. Improved this year.

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 129).

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**
- 54 Awards including: Top Performer, Kansas State; Plant of Merit, University of Georgia; Leader of the Pack, North Carolina State; Top Performer, University of Minnesota
- In growing group BC (see page 129).

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.
**SUNSTAR® Pentas lanceolata**

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.

**AWARD WINNERS – SUNSTAR® Pentas**

103 Awards including: Perfect Score All Season, University of Tennessee; Top 10 for AWARDS – SUNSTAR® Pentas

103 Awards including: Perfect Score All Season, University of Tennessee; Top 10 for

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 129).

**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.

**SUPERTUNIA® Petunia**

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® BERMUDA BEACH® Improved Petunia** 

We’ve upgraded this longtime favorite in our Supertunia line by improving its coral pink flower color and garden performance as well as refining our stock. These changes will help it move through the supply chain smoothly, delivering reliable and consistent liners to growers. Improved this year.

**SUPERTUNIA® HOOLA® VIVID ORCHID™ Petunia**

Finally, a patterned variety that meets Supertunia standards for seasonlong garden performance and superior flower quality! The best picotee-patterned petunia we’ve trialed in years, selected for its vigorous, well-branched habit and consistent, bold color pattern. Vivid orchid purple flowers with a bright white edge are produced abundantly all season without deadheading. New this year.

**SUPERTUNIA MINI VISTA® Improved Petunia**

Replacing Supertunia Mini Vista Sangria this year, this stable new cultivar bears larger, brighter fuchsia pink flowers earlier in the spring. A great match for others in this popular series. Due to its globe-shaped habit, this selection makes pristine mono containers and is a star in landscapes. New this year.

**SUPERTUNIA MINI VISTA® Ultramarine Petunia**

If you’re a fan of Supertunia Royal Velvet®, you’ll love this new cultivar which mirrors its color but in a compact Supertunia Mini Vista form. Its flowers are smaller than a standard Supertunia but are extremely plentiful, blanketing the attractive, densely branched canopy in color from spring into fall without deadheading. New this year.

**SUPERTUNIA® SAFFRON FINCH™ Petunia**

Blooming all season in trending shades of sunny yellow, this new Supertunia fills out containers beautifully with its full, well-branched, rounded habit. The flowers are more intense yellow than Supertunia Limoncello®, but they may transition to creamy yellow in warmer climates. A vigorous, mound-trailing habit helps it mix well with other medium to high vigor varieties in recipes. New this year.

**SUPERTUNIA® HOOPLA™ VIVID ORCHID™ Petunia**

Vivid orchid purple flowers with a bright white edge are produced abundantly all season without deadheading. New this year.

**SUPERTUNIA® MINI VISTA® Improved Petunia**

Replacing Supertunia Mini Vista Sangria this year, this stable new cultivar bears larger, brighter fuchsia pink flowers earlier in the spring. A great match for others in this popular series. Due to its globe-shaped habit, this selection makes pristine mono containers and is a star in landscapes. New this year.

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**SUPERTUNIA® HOOPLA™ VIVID ORCHID™ Petunia**

Vivid orchid purple flowers with a bright white edge are produced abundantly all season without deadheading. New this year.

**SUPERTUNIA® MINI VISTA® Improved Petunia**

Replacing Supertunia Mini Vista Sangria this year, this stable new cultivar bears larger, brighter fuchsia pink flowers earlier in the spring. A great match for others in this popular series. Due to its globe-shaped habit, this selection makes pristine mono containers and is a star in landscapes. New this year.

**SUPERTUNIA MINI VISTA® Ultramarine Petunia**

If you’re a fan of Supertunia Royal Velvet®, you’ll love this new cultivar which mirrors its color but in a compact Supertunia Mini Vista form. Its flowers are smaller than a standard Supertunia but are extremely plentiful, blanketing the attractive, densely branched canopy in color from spring into fall without deadheading. New this year.

**SUPERTUNIA® SAFFRON FINCH™ Petunia**

Blooming all season in trending shades of sunny yellow, this new Supertunia fills out containers beautifully with its full, well-branched, rounded habit. The flowers are more intense yellow than Supertunia Limoncello®, but they may transition to creamy yellow in warmer climates. A vigorous, mound-trailing habit helps it mix well with other medium to high vigor varieties in recipes. New this year.

**SUPERTUNIA® HOOPLA™ VIVID ORCHID™ Petunia**

Vivid orchid purple flowers with a bright white edge are produced abundantly all season without deadheading. New this year.
**Supertunia Petunia**

*Supertunia®* | New Varieties: **Top 5** | *Supertunia®* | New Varieties: **Top 50**
--- | --- | --- | ---

**SUPERTUNIA MINI VISTA®**
- White
- Pink Star
- Violet Star
- Indigo
- Midnight
- Hot Pink
- Sweet Sangria
- Ultramarine

**SUPERTUNIA®**
- Rose Veined
- Silver
- Royal Magenta
- Royal Velvet
- Blue
d- Black Cherry
- Persimmon
- Latte
- Blue Veined
- Honey
- Picasso in Purple

**SUPERTUNIA®** | Improved Varieties: **Top 5**
--- | ---

**SUPERTUNIA VISTA®**
- Fuchsia
- Bumble
- Silverberry
- Paradise
- SNOWDRIFT™
- JAZZBERRY®
- LIMONCELLO®
- BLACK CHERRY®
- PICASSO IN PURPLE®
- HONEY™
- Blue Veined

**SUPERTUNIA®** | New Varieties: **Top 50** | Improved Varieties: **Top 5**
--- | ---

**All Vigor** | Except Giant Pink and Supertunia Vista®: Vigor: 4
--- | ---

*Supertunia Vista®* | New Varieties: **Top 5** | *Supertunia Vista®* | New Varieties: **Top 50**
--- | --- | --- | ---

**IMPROVED** | **NEW** | **NEW** | **NEW**

--- | --- | --- | ---

76 | 77
**SUPERTUNIA MINI VISTA** Petunia

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.

**SUPERTUNIA VISTA** Petunia

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.
**Supertunia Photoperiod Response**

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

<table>
<thead>
<tr>
<th>Flowers best over 12 hours (Facultative Long-day Response)</th>
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<tbody>
<tr>
<td>Supertunia Vista® Bubblegum®</td>
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<tr>
<td>Supertunia Vista® Snowdrift™</td>
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<tr>
<td>Supertunia® Blue Skies</td>
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<tr>
<td>Supertunia® Daybreak Charm</td>
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<tr>
<td>Supertunia® Really Red</td>
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<tr>
<td>Supertunia® Royal Magenta®</td>
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<td>Supertunia® Sharon</td>
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<tr>
<td>Supertunia Vista® Silverberry</td>
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<tr>
<td>Supertunia Vista® Jazzyberry</td>
</tr>
<tr>
<td>Supertunia Vista® Snowdrift™</td>
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<tr>
<td>Supertunia Mini Vista® White</td>
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<tr>
<td>Supertunia® Royal Magenta®</td>
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<td>Supertunia® Black Cherry®</td>
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<td>Supertunia® Really Red</td>
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<tr>
<td>Supertunia® Mini Vista® Yellow</td>
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<td>Supertunia Mini Vista® Violet Star</td>
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<tr>
<td>Supertunia Mini Vista® Midnight</td>
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<td>Supertunia Vista® Paradise</td>
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<td>Supertunia® Bermuda Beach® Improved</td>
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<td>Supertunia® Lovie Dove®</td>
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<td>Supertunia® Hot Pink</td>
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<td>Supertunia® Picasso in Purple</td>
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<td>Supertunia® Rose Veined</td>
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<tr>
<td>Supertunia® Sharon</td>
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**Habit**

<table>
<thead>
<tr>
<th>Habit</th>
<th>Recommended Use</th>
<th>Sun-Shade Tolerance</th>
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<tr>
<td>Supertunia®</td>
<td>Mounded Trailing Height: 10-30cm (4-12&quot;)</td>
<td>Full sun to part sun facultative long day</td>
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<tr>
<td></td>
<td>Trailing: 76-91cm (30-36&quot;)</td>
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<tr>
<td>Supertunia Mini Vista®</td>
<td>Mounded Trailing Height: 15-30cm (6-12&quot;)</td>
<td>Full sun to part sun facultative long day</td>
</tr>
<tr>
<td></td>
<td>Trailing: 61cm (24&quot;)</td>
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<tr>
<td>Supertunia Vista®</td>
<td>Mounded Trailing Height: 30-61cm (12-24&quot;)</td>
<td>Full sun to part sun Early to flower</td>
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<tr>
<td></td>
<td>Trailing: 91cm (36&quot;)</td>
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<tr>
<td>Supertunia® Giant Pink</td>
<td>Mounded Trailing Height: 15-30cm (6-12&quot;)</td>
<td>Best under long days as late crop, Full sun</td>
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<td>Trailing: 91cm (36&quot;)</td>
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</tr>
<tr>
<td>Supertunia® Charm</td>
<td>Mounded Trailing Height: 15-30cm (6-12&quot;)</td>
<td>Best under long days Full sun</td>
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<tr>
<td></td>
<td>Trailing: 61cm (24&quot;)</td>
<td></td>
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</tbody>
</table>

**Supertunia Photoperiod Response**

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. Provide good air movement and avoid high humidity.

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. 15-15 ppm Sumagic® spray or 1-3 ppm Bonzi® drench are effective at controlling growth. Apply as needed.

- 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 129).
INTENSIA® White
Phlox drummondii ‘DPHOX866’ USPP28185 Can5499

INTENSIA® Blueberry
Phlox ‘USPLX60306’ USPP21646 Can4144

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.

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

MOJAVE® Portulaca umbraticola

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.

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 129).

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.

AWARD WINNERS – MOJAVE® Portulaca
176 Awards including: Top Performer, Dallas Arboretum; Top Performer, Pure State; People’s Pick, Texas A&M; Top Performer, Michigan State University; Top Performer, Missouri Botanic Garden

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 129).

Notes:
Pinch at 1-2 weeks after transplant if needed. Plant with a preventative broad spectrum fungicidal drench at 1-2 weeks after transplant. Scout crop regularly (at least once a week) for disease development. Good air circulation, control of humidity, and good sanitation practices are critical.
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 129).

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.
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.

**AWARD WINNERS – ROCKIN® Salvias**

- **Rockin’ Playin’ the Blues®**
  - Salvia longispicata x farinacea ‘Balsalmispim’ US29604
  - 61-122cm (24-48”)

- **Rockin’ Blue Suede Shoes™**
  - Salvia ‘BBSAL01301’ USPP32694 Can6573
  - 76-102cm (30-40”)

- **Rockin’ Fuchsia**
  - Salvia ‘BBSAL00301’ USPP30923 Can6296
  - 61-91cm (24-36”)

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 129).

**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. Plants at 1-2 weeks after transplant as needed.

**Angel Wings Senecio candicans**

This head-turning succulent makes an outstanding centerpiece in containers and has fantastic impulse appeal at retail. Large, silky-textured, silvery white leaves grow quickly to form a substantial, upright clump. Like many felted silver plants, good drainage and abundant sunshine are important to achieving healthy, vigorous growth. Heat, drought and salt are all easily tolerated, and deer tend to pass it on by. We recommend offering this high demand variety in 1.0 Royale® containers to achieve the proper price point. New this year.

**Growing Tips for Angel Wings**

- High light in production is essential and will enhance the silverying of the foliage.
- Feed with 150-200 ppm N
- Allow the growing media to dry down between irrigations.
- Treat with a preventative broad spectrum fungicidal drench at time of liner planting.
- In growing group AB (see page 129).
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.

**AWARD WINNERS**

**WHIRLWIND® Scaevola aemula**

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

**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 129).

**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.

**WHIRLWIND® Blue**

**WHIRLWIND® Pink**

**WHIRLWIND® Starlight™**

**WHIRLWIND® White**

**AWARD WINNERS – A-PEEL® Thunbergia**

116 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.

**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.

**NOTES:**
- 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 129).

**Trellis available for co-ex and injection containers produced by HC/Dillen.**
CATALINA® Torenia

We've improved this shade garden essential in numerous impactful ways. First, you’ll find that it bears larger, self-cleaning, uniform pink flowers. Increased vigor and flower production result in more blooms on each plant that is quick to fill out the pot. Improved early season performance makes it easier to use in spring recipes. An improvement not to be missed!

AWARD WINNERS – CATALINA®
79 Awards including: Top Pick, Dallas Arboretum; Best Old Variety, University of Tennessee; Top Performer, University of Wisconsin; Top Performer In-Group 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 129).

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
Dianthus ‘Dancat5153’ USPP19997
20-41cm (8-16")

CATALINA® Midnight Blue
Dianthus ‘Dancat911’ USPP17878 Can2815
20-41cm (8-16")

CATALINA® GILDED GRAPE™
Dianthus ‘Dancat266’ USPP20242 Can3904
20-41cm (8-16")

CATALINA® GRAPE-O-LICIOUS™
Dianthus ‘Dancat5153’ USPP19997
20-30cm (8-12")

Summer Wave® Torenia

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 129).

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

SUMMER WAVE® Large Amethyst
Torenia ‘Sunrenirirepa’ USPP14302 Can2362
20-25cm (8-10")

SUMMER WAVE® Large Violet
Torenia ‘Sunrenilamu’ USPP15684 Can2471
20-25cm (8-10")

SUMMER WAVE® Large Blue
Torenia ‘Sunrenilabu’ USPP10843 Can1066
20-25cm (8-10")

ANNUAL COLLECTION

CATALINA® Pink Improved
Dianthus ‘Dancat266’ USPP20242 Can3904
20-30cm (8-12")

CATALINA® Improved
Dianthus ‘Dancat5153’ USPP19997
20-41cm (8-16")

CATALINA® Improved
Dianthus ‘Dancat911’ USPP17878 Can2815
20-41cm (8-16")

CATALINA® Improved
Dianthus ‘Dancat266’ USPP20242 Can3904
20-41cm (8-16")

We've improved this shade garden 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.

CATALINA® Pink Improved Torenia
‘UPPER CANTERBURY’

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.
- Catalinas are best for 4" production.
- In growing group CB (see page 129).

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

SUMMER WAVE® Large Amethyst
Torenia ‘Sunrenirirepa’ USPP14302 Can2362
20-25cm (8-10")

SUMMER WAVE® Large Violet
Torenia ‘Sunrenilamu’ USPP15684 Can2471
20-25cm (8-10")

SUMMER WAVE® Large Blue
Torenia ‘Sunrenilabu’ USPP10843 Can1066
20-25cm (8-10")

ANNUAL COLLECTION

CATALINA® Pink Improved
Dianthus ‘Dancat266’ USPP20242 Can3904
20-30cm (8-12")

CATALINA® Improved
Dianthus ‘Dancat5153’ USPP19997
20-41cm (8-16")

CATALINA® Improved
Dianthus ‘Dancat911’ USPP17878 Can2815
20-41cm (8-16")

CATALINA® Improved
Dianthus ‘Dancat266’ USPP20242 Can3904
20-41cm (8-16")

We've improved this shade garden 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.

CATALINA® Pink Improved Torenia
‘UPPER CANTERBURY’

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.
- Catalinas are best for 4" production.
- In growing group CB (see page 129).

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

SUMMER WAVE® Large Amethyst
Torenia ‘Sunrenirirepa’ USPP14302 Can2362
20-25cm (8-10")

SUMMER WAVE® Large Violet
Torenia ‘Sunrenilamu’ USPP15684 Can2471
20-25cm (8-10")

SUMMER WAVE® Large Blue
Torenia ‘Sunrenilabu’ USPP10843 Can1066
20-25cm (8-10")
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.

**SUPERBENA® Cherryburst Improved Verbena**
We’ve upgraded this popular patterned verbena with a selection that exhibits greater vigor and forms a larger plant that matches others in the series. Fun clusters of cherry red and peach striped flowers appear all season without deadheading. Though we always select for stable patterns, there is likely to be some slight mutation with this selection. It is not harmful to the plant but can be removed if desired. New this year.

**SUPERBENA® PINK CASHMERE™ Verbena**
A favorite in our trials, this pastel pink selection captured our attention with its delicate pink color, extremely vigorous growth, and huge umbels that rival Superbena Whiteout™ in size. It runs toe to toe with other vigorous annuals in container recipes. Mounded trailing plants produce loads of continuous blooms all season without deadheading. New this year.

**Superbena® Sparkling®**

**Superbena® Royale®**

**New**

**Superbena® PINK CASHMERE™ Verbena**

**New**

**Superbena®  PINK CASHMERE™ Verbena**

**Improved**

**Superbena® PINK CASHMERE™ Verbena**

**Improved**

**Superbena® Sparkling®**

**Superbena® Royale®**

**NEW**

**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 129).

**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.

**AWARD WINNERS – SUPERBENA® Verbena**

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

**NEW**

**IMPROVED**

**Superbena® Cherryburst Improved Verbena**

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**Superbena® Royale®**

**Superbena® Sparkling®**
Top-Selling Superbena

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

<table>
<thead>
<tr>
<th>Superbena® Whiteout™</th>
<th>Superbena® Peachy Keen</th>
<th>Superbena® Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superbena Cobalt™ (formerly Imperial Blue™)</td>
<td>Superbena Sparkling® Amethyst</td>
<td>Superbena Royale® Plum Wine</td>
</tr>
</tbody>
</table>

Superbena Sparkling® Rosé  
Superbena Royale® Romance  
Superbena Royale® Stormburst  
Superbena Violet Ice  
Superbena Raspberry  
Superbena Royale® Iced Cherry  
Superbena Cherryburst  
Superbena Pink Shades  
Superbena Large Lilac Blue  
Superbena Scarlet Star  

Superbena® Stormburst

Veronica 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 Cobalt™  
- Superbena Sparkling® Amethyst  
- Superbena Pink Cashmere™  
- Superbena Cherryburst Improved  

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® Violet Ice  
- Superbena® Stormburst

**Growing Tips for CAKE POPS®**

- **Verbena Photoperiod Response**
  - Less than 12 hours (Day Neutral Response)
  - 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 129).

- **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.
  - In growing group BB (see page 129).

- **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 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.
  - A light spray of Sumagic® at 5ppm or a 1-2ppm drench of Bonzi® can be applied to control growth.

**CAKE POPS®**

- Verbenas rigida
- Verbena rigida
- Verbena rigida

**CAKE POPS®**

- **Purple**  
  - Verbena rigida  
  - Verbena rigida
  - Verbena rigida

**AWARD WINNERS – CAKE POPS® Verbena**

- 16 Awards including: Top Performer, Iowa State; Top Performer, Penn State; Best of Breed, NC State; Top Performer, Young’s Plant Farm

**CAKE POPS®**

- **Pink**  
  - Verbena rigida  
  - Verbena rigida

**METEOR SHOWER®**

- **Verbena bonariensis**

- **Verbena Photoperiod Response**

- **Growing Tips for METEOR SHOWER®**

- **AWARD WINNER – METEOR SHOWER® Verbena**

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

**CAKE POPS®  Purple**

- Verbena ‘WNVECPPUR’ USPP34411 CanPBRAF

**CAKE POPS®  Pink**

- Verbena ‘WNVECPPK’ USPP34382 CanPBRAF

**CAKE POPS® **

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

**CAKE POPS®  Purple**

- Verbena ‘WNVECPPUR’ USPP34411 CanPBRAF

**CAKE POPS®  Pink**

- Verbena ‘WNVECPPK’ USPP34382 CanPBRAF

**AWARD WINNERS – CAKE POPS® Verbena**

- 16 Awards including: Perfect Score, Iowa State; Top Performer, Pure Stake; Best of Breed, NC State; Top Performer, Young’s Plant Farm
<table>
<thead>
<tr>
<th>Dropped Variety</th>
<th>Recommended Replacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTIST® Pearl Ageratum</td>
<td>ARTIST® Blue Ageratum</td>
</tr>
<tr>
<td>BLUEBELLS® Steel Blue</td>
<td>BLUEBELLS® Blue Improved Calibrachoa</td>
</tr>
<tr>
<td>CALIBRACHOA® Pink</td>
<td>CALIBRACHOA® Pink Improved Calibrachoa</td>
</tr>
<tr>
<td>LADYBIRD® Lemonade</td>
<td>LADYBIRD® Sunglow Calibrachoa</td>
</tr>
<tr>
<td>TOUCH® Scarlet Canna</td>
<td>TOUCH® Scarlet Improved Canna</td>
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<tr>
<td>FAIRY DUST® Pink</td>
<td>DIAMOND FRESS® Fuchsia</td>
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<tr>
<td>HEAT IT UP® Scarlet</td>
<td>SUNSHINE® SATELLITE® Helianthus</td>
</tr>
<tr>
<td>HEAT IT UP® Yellow</td>
<td>SUNSHINE® Yellow Helianthus</td>
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<tr>
<td>INFINITY® Blushing</td>
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<tr>
<td>INFINITY® Blushing Red</td>
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<tr>
<td>INFINITY® Cherry Red</td>
<td>No replacement available</td>
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<tr>
<td>INFINITY® Light Purple</td>
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<tr>
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<tr>
<td>INFINITY® Red</td>
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<td>INFINITY® Salmon</td>
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<tr>
<td>INFINITY® White</td>
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<tr>
<td>Blackie Ipomoea</td>
<td>Sweet Caroline JET BLACK™ Ipomoea</td>
</tr>
<tr>
<td>Sweet Caroline Sweetheart</td>
<td>Sweet Caroline Sweetheart MAHOGANY™ Ipomoea</td>
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<tr>
<td>MOONLIGHT KNIGHT® Lobularia</td>
<td>WHITE KNIGHT® Lobularia</td>
</tr>
<tr>
<td>SUNSTAR® Coconut</td>
<td>SUNSTAR® Coconut Improved Nemesis</td>
</tr>
<tr>
<td>SUPERTUNIA® BERMUDA BEACH® Petunia</td>
<td>SUPERTUNIA® BERMUDA BEACH® Improved Petunia</td>
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<tr>
<td>SUPERTUNIA® MINI VISTA® Sangria Petunia</td>
<td>SUPERTUNIA® MINI VISTA® Sweet Sangria Petunia</td>
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<tr>
<td>AUGUSTA® Lavender</td>
<td>AUGUSTA® Lavender Heliotropium</td>
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<td>SNOWSTORM® GLACIER BLUE™ Sutera</td>
<td>SAFARI™ Sky Jamesbrittenia</td>
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<tr>
<td>SNOWSTORM® Pink</td>
<td>SNOWSTORM™ Rose Sutera or SAFARI™ Dawn Jamesbrittenia</td>
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<tr>
<td>CATALINA® Pink</td>
<td>CATALINA® Pink Improved Torenia</td>
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<tr>
<td>SUPERBENA® Coral Red</td>
<td>SUPERBENA® Red Verbena</td>
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<tr>
<td>SUPERBENA® Charming Verbena</td>
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