

DARWIN PERENNIALS®

2024



Baï Seed®

2024 NEW VARIETIES



Caryopteris
'Emerald Crest',
pg 32



Penstemon
Rock Candy® Purple,
pg 89



Lavandula
Anouk Purple Medley,
pg 70



Lavandula
Anouk Twilight,
pg 70



Armeria
Dreameria® Vivid Dreams,
pg 26



Echinacea Double Scoop™
Orangeberry Deluxe,
pg 43



Echinacea Double Scoop™
Strawberry Deluxe,
pg 43



On the Cover:
Echinacea Double Scoop™
Watermelon Deluxe,
pg 43



Veronica Moody Blues®
Dark Blue Improved,
pg 129



Centaurea
Silver Swirl,
pg 31



Salvia
Silver Scent,
pg 56



Stachys
Little Lamb,
pg 125

Color the World **with Perennials**

Everyone at Darwin Perennials gets up each day to *Color the World* with perennials.

For example, our product development team is passionate about breeding, selecting and trialing new plants.

Members of our production team are intense about executing the details needed to provide consistent and reliable supply.

Our technical team lives to help customers grow high-quality plants, so they listen to your challenges and bring them back to members of our development team, who make sure our products are solution focused.

And our marketing team members get crazy-excited about finding the best ways to share stories.

It's because our team is passionate about helping you grow your best plants that we also collect as much information as possible during our trialing and share it with you through education and easy-to-use production resources. Our **YouTube channel** is the go-to place for production education and seeing new varieties. Our **Facebook videos** are all about giving you a view of our in-person events, even if you can't attend. And **www.firstyearfloweringtool.com** is a one-of-a-kind collaboration with KieftSeed that brings the most comprehensive scheduling to an easy-to-use digital interface.



We introduce amazing new perennials but it's really *you*, our customer, who can *Color the World with perennials*. We hope this catalog provides inspiration to build your ideas and ignite your passion this coming year.

Sincerely,



Seth Reed

Sales & Marketing Manager
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SReed@darwinperennials.com

DARWIN PERENNIALS VARIETIES

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NEW

Agastache
'Guava Lava',
pg 19

TRUSTED BREEDER PARTNER

WALTERS GARDENS

Always Expanding on the Finest Genetics

Walters Gardens, Inc. has built their reputation on an extensive new plant development and hybridizing program to deliver the highest quality perennial plant genetics in the market.

We are excited to continue this partnership by offering their genetics from Darwin Colombia.

The selection includes several new varieties, such as:

- NEW** Agastache 'Guava Lava' 19
- NEW** Nepeta 'Chartreuse on the Loose' 84
- NEW** Phlox Garden Girls™ Collection 'Fancy Girl' 99
- NEW** Phlox Garden Girls™ Collection 'Material Girl' 99
- NEW** Sedum After Dark 122

Turn the pages to see 90+ more varieties waiting for you!



NEW



Nepeta
'Chartreuse on the Loose',
pg 84

NEW



Phlox
Garden Girls™ Collection 'Material Girl',
pg 99



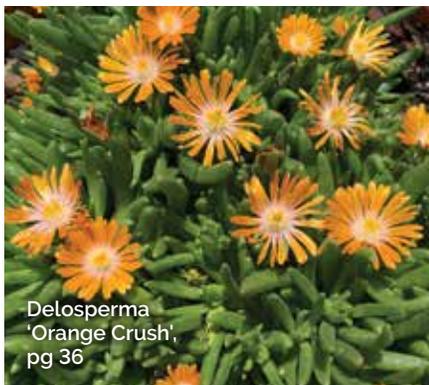
Euphorbia
'Bonfire' (available as a callused cutting),
pg 48



Buddleia
'Butterfly Gold',
pg 29



Achillea
'Little Moonshine',
pg 16



Delosperma
'Orange Crush',
pg 36

TRUSTED BREEDER PARTNER

TOP SELLERS FROM MUST HAVE PERENNIALS®

Tried & Trusted™

Our partnership with Must Have Perennials continues to blossom, thanks to the high-quality unrooted cuttings that are available exclusively through Darwin Perennials. With years of meticulous trialing and testing behind each plant, you can rely on Must Have Perennials to provide only the best.

Must Have top sellers to look for include:

Achillea Little Moonshine.....	16
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Centaurea 'Amethyst in Snow'.....	31
Delosperma 'Mountain Dew'.....	36
Delosperma 'Orange Crush'.....	36
Euphorbia 'Bonfire'.....	48
Leucanthemum Sunshine Freak!.....	74
Lychnis Petite Jenny.....	76
Verbena 'Lollipop'.....	127

Don't miss these top sellers – and fan favorites – from Must Have Perennials.





Leucanthemum
Ooh La™ 'LaSpider',
pg 74

TRUSTED BREEDER PARTNER

FLORENSIS

Global Partners

Florensis is a breeder and young plant producer in The Netherlands, with decades of experience in the perennial marketplace.

Our long-standing partnership with Florensis allows us to broaden our network and offer the most exciting, innovative varieties on the market.

Florensis has been providing professional growers with excellent plant propagation materials and solutions since 1941. We are pleased to include a wide assortment of their top-quality varieties from Darwin Colombia.

Take a look at these outstanding perennials:

Achillea Milly Rock™ Series.....	17
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Guara Gaudi™ Series.....	50
Leucanthemum Ooh La™ Series.....	74
Salvia Sensation® Compact Series.....	110
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Salvia
Sensation® Compact Deep Blue,
pg 110

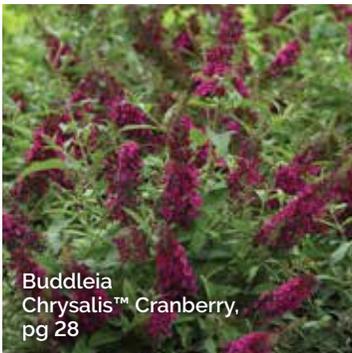


Veronica
Venice Blue,
pg 130





Penstemon
Rock Candy® Pink,
pg 89



Buddleia
Chrysalis™ Cranberry,
pg 28



Monarda
BeeMine™ Pink,
pg 79



Nepeta
Junior Walker™,
pg 86



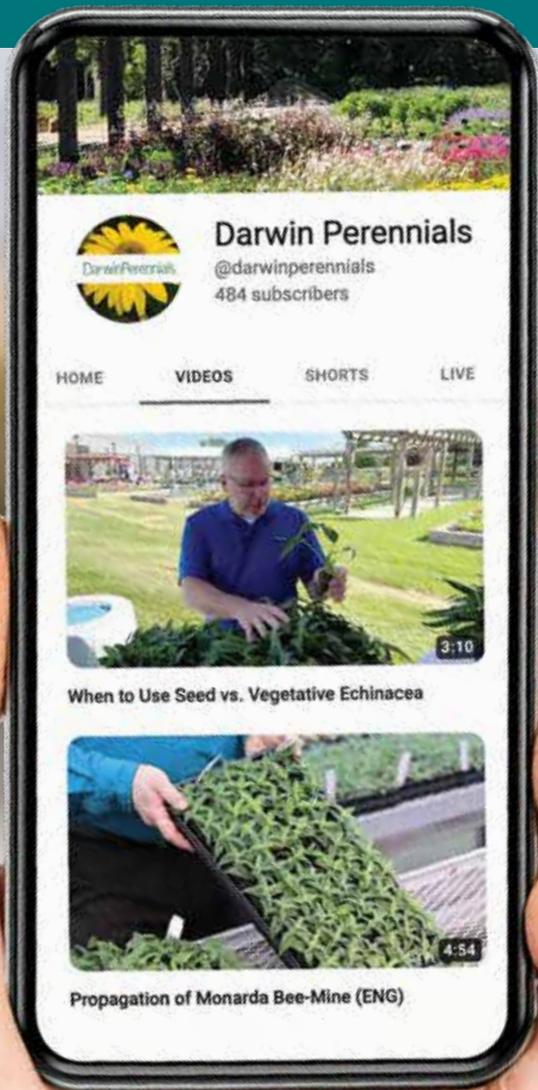
Penstemon
'Cherry Sparks',
pg 91

Attracting hummingbirds is every gardener's dream come true!

Easily create a hummingbird-focused retail display by including these varieties:

Agastache.....	19-21
Buddleia.....	28-30
Heuchera.....	60-61
Monarda.....	78-81
Nepeta.....	82-87
Penstemon.....	89-93
Phlox.....	96-104
Salvia.....	106-116

Perennial training is just a few taps away, available 24/7/365!



**Educational and
technical topics
include:**

- Propagation
- Finished Plant Production
- Program Building

**Subscribe to Darwin Perennials
YouTube channel**

youtube.com/@darwinperennials



Which one would you ship?

When blooms can make or break a crop, you can't afford to guess about timing.



Don't guess. Visit
FirstYearFloweringTool.com



BETTER VERSIONS

Better Blooming, Better Performance,
Better Availability.

After being trialed and evaluated for landscape performance across the U.S. – and up to five years of market sales – we are pleased to present our top three Better Versions!



Lavender
'SuperBlue',
pg 67

LAVENDER 'SUPERBLUE'

is better than Lavender Hidcote because of bigger blooms and better habit in the landscape.

NEPETA JUNIOR WALKER

is better than Nepeta Walker's Low because of earlier blooming in the landscape and a better habit that won't lodge open.



Nepeta
Junior Walker,
pg 86



Salvia
'Blue by You',
pg 111

SALVIA 'BLUE BY YOU'

is better than Salvia May Night because of earlier blooming, better habit and more refushes throughout the season.



DARWIN COLOMBIA FARM

We have exceptional team members who are dedicated to providing you with the best vegetative perennial experience possible.

The focus of everyone at Darwin Colombia is:

1. Delivering to you *in full*.
2. Delivering to you *on time*.
3. Delivering to you with *high quality*.

Our state-of-the-art facilities include our newly remodeled greenhouses, industry-leading cold storage and a clean stock program.

We continue to invest in our employees by providing access to healthcare, reliable transportation to and from work, and classes in English and other educational opportunities.

When you care for your employees, the quality shows. You see the pride and care they put into every order.

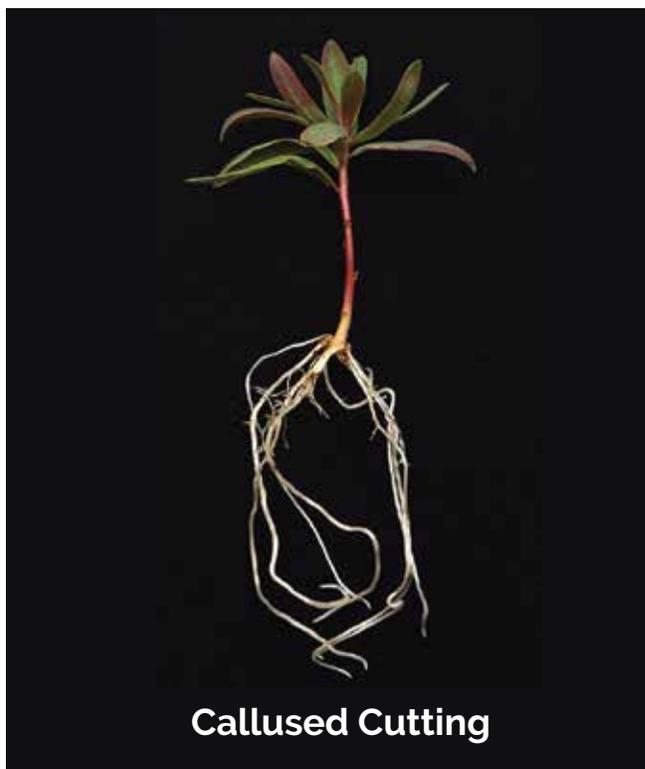
It's by doing all the right things that we retain high numbers of our excellent staff, ensuring high-quality cuttings for you.

DarwinColombia

Genesis™ Callused Cuttings Mean More Success

Euphorbia 'Bonfire'

Washed roots at 2 weeks



The benefits of Genesis callused cuttings include:

- Two weeks less in propagation
- More uniform rooting
- Less shrink

Reduced Crop Time and Decreased Loss

Darwin Colombia has spent the last few years developing a proprietary process to bring Genesis callused cuttings to the market. We have extensively trialed this program with growers in North America and the results speak for themselves.

Testimonials:

With the callused cuttings from Darwin, we can cut 2 weeks of propagation time and get quicker root systems. We plan to do all of our Viola this way next year.

– Garden State Growers

We were looking for a reliable system to propagate Euphorbia. After trying the callused cuttings and having 100% success in over 2,000 cuttings, we are confident to say that this is the only way to go with this complicated crop in the future to guarantee supply and quality.

– Westcan Greenhouses



TISSUE CULTURE

Expanding Reliable Tissue Culture Supply

The most exciting, newest genetics cannot always be produced as an unrooted cutting. That's when tissue culture makes innovative plant genetics possible with a reliable, consistent supply chain. Tissue culture is a propagation method that uses plant materials in a growing medium to grow new plantlets. These plant materials are developed in a tightly controlled, sterile environment, greatly reducing the risks for diseases and viruses, to produce a high-quality plant that growers can rely on.

At Darwin Perennials, we partner with the best labs around the world and work with the best perennial suppliers to bring these plants to market. A higher value is placed on these genetics due to this specialization.

All of these varieties are offered as tissue culture-raised plants, including:

Brunnera 'Frostbite'.....	27
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NEW Echinacea Double Scoop™ Deluxe.....	43
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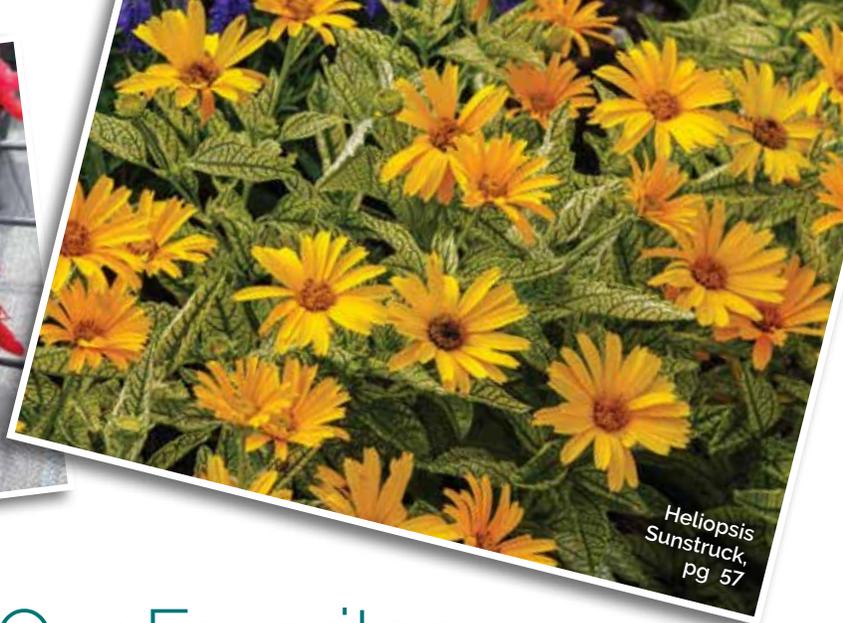


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Heuchera
Carnival Series,
pg 60



Heliopsis
Sunstruck,
pg 57

Our Favorites

"**Heliopsis Sunstruck** is a wonderfully colorful, carefree North American native plant with beautiful golden-yellow flowers atop green and cream foliage until Fall. It's **tough as nails** and resistant to pests and diseases."

– **Karl Batschke**, General Manager

"Even though there are **so many vibrant colors** of Salvia Mirage™, **Salvia Mirage Rose Bicolor** is my favorite because the pink and white flowers are perfect for attracting butterflies. This perennial loves the heat, blooms all summer and adds bright, rich color to the landscape."

– **Seth Reed**, Sales & Marketing Manager

"We've added bold new colors to the **Heuchera Carnival** lineup. Cinnamon Stick and Burgundy Blast almost glow in the right light conditions. Our tried-and-true varieties – Watermelon, Black Olive and Rose Granita – are my favorites. These three are rock stars in the landscape and thrive in full shade to full sun, making them **versatile and fuss free!**"

– **Sarah Greenwood**, Global Product Manager

"**Echinacea Sombrero® Fiesta Orange** is one of my favorite Sombreros! I love how the initial bold orange color matures to shades of orange for added interest. The **amazing single and semi-double flowers** on the same plant are held close to the foliage."

– **Christopher Fifo**, Product Representative

"**Digitalis Arctic Fox Rose** is one of our **First-Year-Flowering** plants and a true Zone 5 perennial, unlike other digitalis on the market. Large, bold rose-colored flowers have long bloom times and season-long color in the South. It's easy to grow and makes a great thriller in combo pots."

– **Darren Barshaw**, Product Representative



Salvia Mirage
Rose Bicolor,
pg 115



Echinacea Sombrero
Fiesta Orange,
pg 44



Digitalis
Arctic Fox,
pg 41

A-Z LISTING



Grow your best season ever with more than 600 popular varieties!

ACHILLEA NEW VINTAGE™

ACHILLEA ●
(YARROW)

Achillea millefolium

DARWIN PERENNIALS

NEW VINTAGE™
SERIES



FirstYearFloweringTool.com
for easy scheduling

Height: 26 to 28 in. (66 to 71 cm)
Bloom Months: April to September
USDA Hardiness Zones: 4a to 9b

- Bold colors mature to attractive shades instead of fading to brown, like other varieties.
- Great for late-Spring, 1-gal. programs.

Red 'Balvinred' PP25.618

Rose (pictured left)

'Balvinrose' PP25.712

TOP SELLER Violet

'Balvinolet' PP25.750

White 'Balvinwite' PP25.711

Tidy plant habit with no gap between foliage and flowers – outstanding in containers.



Red



TOP SELLER

Violet



White



Achillea Little Moonshine



Achillea 'Saucy Seduction'

ACHILLEA 
(YARROW)

Achillea

'CORONATION GOLD' 

Height: 36 in. (91 cm)
Bloom Months: Mid-June to July
USDA Hardiness Zones: 3a to 9b
Large, deep yellow heads are excellent for drying.

'MOONSHINE' 

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 8b
Bright yellow flowers over silvery foliage; wide heads come in early Summer and are slow to fade. If cut back, more leaves – and sometimes flowers – appear later.

ACHILLEA 
(YARROW)

Achillea millefolium

'PAPRIKA' 

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 9b
Low, spreading plants have red blooms with yellow centers; gray-green, fern-like foliage.

MUST HAVE PERENNIALS 

LITTLE MOONSHINE 

Height: 9 to 12 in. (23 to 30 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 8b
'ACBZ0002' PP28.179

Similar to 'Moonshine' but more compact, with bright golden yellow flower clusters, gray-green foliage and very early blooming.

MUST HAVE PERENNIALS 

SEDUCTION SERIES 

Height: 23 to 27 in. (58 to 69 cm)
Bloom Months: Mid-June to July
USDA Hardiness Zones: 4a to 8b

Excellent flowering uniformity with remarkably dense columnar habit.

'Saucy Seduction' PP20.782
'Strawberry Seduction' PP18.401
'Sunny Seduction' PP20.808



Achillea 'Strawberry Seduction'



Achillea 'Sunny Seduction'

ACHILLEA MILLY ROCK™



Yellow

ACHILLEA 
(YARROW)
Achillea millefolium

FLORENSIS, B.V. 

MILLY ROCK™
SERIES 

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: April to September
USDA Hardiness Zones: 4a to 9a

Known for its compact, mounding habit that holds together nicely all Summer long. Plants will bloom from late Spring until Fall. Ideal for 1-qt., 2.5-qt. and 1-gal. pot sizes.

Red 'FLORACHRE1' PP31.757

Rose 'FLORACHRO1' PP31.620

Yellow 'FLORACHYE0' PP33.259

Yellow Terracotta
'FLORACHYE2' PPAF

MILLY ROCK is a U.S. trademark of Florensis, B.V.



Red



Rose



Yellow



Yellow Terracotta



Achillea Tutti Frutti 'Apricot Delight'



Achillea Tutti Frutti 'Pink Grapefruit'



Achillea Tutti Frutti 'Pomegranate'



Achillea Moon Dust



Achillea 'Sassy Summer Lemon'



Achillea 'Sassy Summer Sangria'



Achillea 'Sassy Summer Silver'



Achillea 'Sassy Summer Sunset'

ACHILLEA (YARROW)

Achillea millefolium

MUST HAVE PERENNIALS



TUTTI FRUTTI SERIES



Height: 22 to 29 in. (56 to 74 cm)
Bloom Months: Mid-June to July
USDA Hardiness Zones: 4a to 8b

Outstanding compact habit is sturdy and full, with excellent flowering uniformity.

'Apricot Delight' PP18,738

'Pink Grapefruit' PP20,741

'Pomegranate' PP20,763

ACHILLEA (YARROW)

Achillea hybrida

DARWIN PERENNIALS

MOON DUST



FirstYearFloweringTool.com
for easy scheduling

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: June to July
USDA Hardiness Zones: 5a to 8b

'Novaachdus' PP25,838

- Compact habit is perfect for containers.
- Soft yellow blooms.
- Silvery-green foliage.
- Blends well with other colors in the garden.

ACHILLEA (YARROW)

Achillea

WALTERS GARDENS



SASSY SUMMER SERIES



Height: 28 to 32 in. (71 to 81 cm)
Bloom Months: July to September
USDA Hardiness Zones: 3a to 8b

Taller, more substantial presence in the garden than other Achillea on the market.

'Sassy Summer Lemon' Bright sunny yellow flowers. PP31,693

'Sassy Summer Sangria' PP31,355

'Sassy Summer Sunset' PP31,412

'Sassy Summer Taffy' PP31,755

ACHILLEA (YARROW)

Achillea ptarmica

WALTERS GARDENS



'PETER COTTONTAIL'



Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: July to October
USDA Hardiness Zones: 3a to 8b
PP31,756

Low, mounding habit with singular, white flower clusters.

ACHILLEA (YARROW)

Achillea x lewisii

'KING EDWARD'



Height: 6 to 10 in. (15 to 25 cm)
Bloom Months: Mid-June to July
USDA Hardiness Zones: 3a to 8b

Pale primrose-yellow flowers over woolly foliage.

AGASTACHE (MEXICAN HYSSOP)

Agastache hybrid

'BLUE FORTUNE'



Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: June to September
USDA Hardiness Zones: 6a to 9b

Tall spikes of soft blue flowers with fragrant foliage.

'PURPLE HAZE'



Height: 38 in. (97 cm)
Bloom Months: June to September
USDA Hardiness Zones: 6a to 10b

Cool violet-blue flowers last into Fall.



Achillea 'Sassy Summer Taffy'



Achillea 'Peter Cottontail'

NEW

AGASTACHE 'GUAVA LAVA'

AGASTACHE ●
(ANISE HYSSOP,
HUMMINGBIRD MINT)

Agastache

WALTERS GARDENS
NEW FOR 2024



'GUAVA LAVA'



Height: 20 to 22 in. (51 to 56 cm)

Bloom Months: June to September

USDA Hardiness Zones: 5a to 9b

PPAF

A dense, well-rounded Agastache that bursts to life in Summer with coral-orange flowers held on mauve calyxes.



Agastache 'Blue Bayou'



Agastache 'Mango Tango'



Agastache 'Peachie Keen'

AGASTACHE ●
(ANISE HYSSOP)
Agastache aurantiaca

WALTERS GARDENS 
'MANGO TANGO'  

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: August
USDA Hardiness Zones: 6a to 9b
PP28,747

Compact habit. Vibrant blooms have dusky rose calyxes and light peach to dusky orange flowers. A deeper shade of orange than 'Peachie Keen.' Flowers cover the top three-quarters of the plant.

AGASTACHE ●
(ANISE HYSSOP,
HUMMINGBIRD MINT)
Agastache rugosa

WALTERS GARDENS 
'BLUE BAYOU'  

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: July to September
USDA Hardiness Zones: 5a to 9b
PPAF

Long-lasting, lavender-blue blooms attract pollinators. Dark calyxes remain attractive after blooming. This compact plant has low water needs and excellent heat tolerance.

AGASTACHE ●
(ANISE HYSSOP)
Agastache rupestris

WALTERS GARDENS 
'PEACHIE KEEN'  

Height: 20 to 24 in. (51 to 61 cm)
Bloom Months: August
USDA Hardiness Zones: 6a to 9b
PP25,886

Densely compact, rounded clump of aromatic, bright green foliage is topped with loads of apricot-peach flowers with complementary purplish-pink calyxes. Flowers for many months beginning in mid-Summer (earlier in warmer zones). Easy to grow.

WALTERS GARDENS 
'ROSIE POSIE'  

Height: 18 to 22 in. (46 to 56 cm)
Bloom Months: August
USDA Hardiness Zones: 6a to 9b
PP25,857

Densely compact, rounded clump of aromatic, bright green foliage is topped with loads of hot pink flowers with magenta-purple calyxes. Flowers for many months beginning in mid-Summer (earlier in warmer zones). Easy to grow.



TOP SELLER
Agastache 'Rosie Posie'

AGASTACHE 'LITTLE ADDER'

AGASTACHE ●
(ANISE HYSSOP,
HUMMINGBIRD MINT)

Agastache rugosa

DARWIN PERENNIALS

'LITTLE ADDER'



 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 15 to 18 in. (38 to 46 cm)

Bloom Months: April to September

USDA Hardiness Zones: 5a to 9b

PP26.514

- This mint family member is an outstanding source of nectar for bees and butterflies.
- Half the height of 'Black Adder' or 'Blue Fortune,' with better branching.
- Great show at retail and in the garden for better sell-through and repeat sales.

Three times the blooms of 'Black Adder' for three times the flower power.



Ajuga 'Metallica Crispa'



Ajuga 'Burgundy Glow'



Ajuga 'Bronze Beauty'



Ajuga 'Cattlin's Giant'



Ajuga 'Mahogany'

AJUGA (BUGLEWEED)
Ajuga pyramidalis

'METALLICA CRISPA'



Height: 6 in. (15 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b
Blue flowers on cushions of curled, purple-bronze leaves with a metallic sheen.

AJUGA (BUGLEWEED)
Ajuga reptans

PLANTHAVEN INT'L, INC.

'BLACK SCALLOP'



Height: 6 in. (15 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 8b
PP15.815

Compact habit shows off shiny, nearly black leaves with neat, scalloped edges and violet-blue flowers.

'BRONZE BEAUTY'



Height: 8 in. (20 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b

Deep bronze foliage topped by blue flower spikes.

'BURGUNDY GLOW'



Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b

Blue flowers on pink and silver variegated leaves splashed with purple. Blue flower spikes of this perennial plant complement its striking variegated leaves that display shades of white, purple, rose and green and change to deep bronze in the Fall.

'CATLIN'S GIANT'



Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b

Robust grower with bold leaves and large, dark purple flowers.

'MAHOGANY'



Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b

Dark burgundy to black foliage with bright blue flowers.

'SILVER QUEEN'



Height: 6 in. (15 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b

Blue flower spikes over white and green variegated leaves.

AJUGA (BUGLEWEED)
Ajuga x tenorii

CHOCOLATE CHIP



Height: 4 in. (10 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b
'Valfredda'

- Mounded, dwarf form with narrow leaves and plenty of flowers.
- Attracts hummingbirds.
- Excellent for small spaces.
- Vigorous and disease resistant.

This dwarf Ajuga has miniature, narrow, chocolate-colored leaves and blue flowers that attract hummingbirds. It's ideal for small spaces, at garden's edge or in rock gardens. It pairs well with gold or variegated hostas or Japanese painted fern. Grows in moist soil in partial shade or part-day sun as its foliage can scorch in full sun.



Ajuga 'Silver Queen'



Ajuga Chocolate Chip

ALYSSUM 'GOLDEN SPRING'

ALYSSUM ●
Alyssum wulfenianum

DARWIN PERENNIALS
'GOLDEN SPRING'

Height: 6 to 8 in. (15 to 20 cm)

Bloom Months: April to May

USDA Hardiness Zones: 4a to 9b

PP25,710

- The first vegetative Alyssum of this species, with the largest flowers of its class.
- Easy-to-grow, heat-loving, pest-free, hardy perennial.
- Evergreen foliage.

Exciting season extender brings a fresh class of "WOW" to the early-Spring flowering group.

ARTEMISIA ●●
(RUSSIAN WORMWOOD)

Artemisia gmelinii

DARWIN PERENNIALS

SUNFERN™
COLLECTION



Height: Varies by variety
Bloom Months: Non-flowering
USDA Hardiness Zones: 4a to 9a

- This unique herbaceous perennial works as a companion plant in containers or as an accent plant in the landscape.
- Plants are non-invasive and won't spread.
- Low-maintenance, drought-tolerant, Zone-4 hardy Artemisia.
- SunFern features fern-like textures that thrive in sunny locations.

Arcadia Features medium green leaves.

Height: 14 to 16 in. (36 to 41 cm)
'Balfernarc' PP33.774

Olympia Dark green leaves with red stems.

Height: 16 to 18 in. (41 to 46 cm)
'Balfernlym' PP33.775

SunFern is a novel collection with fern-like texture that thrives in full sun – the perfect accent plant.



Arcadia



Olympia



Arcadia



Olympia



Aster 'Grape Crush'



Aster 'Pink Crush'



Artemisia 'Powis Castle'



Artemisia 'Silver Mound'



Artemisia 'Silver Brocade'



Amsonia 'Blue Ice'



Aster 'Purple Dome'



Aster 'Moench'

ARTEMISIA ●
(WORMWOOD)
Artemisia arborescens

'POWIS CASTLE' 

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 9b

Features fine-textured, lacy silver foliage spikes that grow rounded and upright.

ARTEMISIA ●
(WORMWOOD)
Artemisia schmidtiana

'SILVER MOUND' 

Height: 6 to 12 in. (15 to 30 cm)
Bloom Months: July
USDA Hardiness Zones: 3a to 8b

Compact, mounded plants have soft, silvery-gray foliage and small, yellow blooms.

ARTEMISIA ●
(WORMWOOD)
Artemisia stelleriana

'SILVER BROCADE' 

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: July
USDA Hardiness Zones: 3a to 8b

Silvery foliage resembles Dusty Miller; outstanding for rock gardens and edging.

AMSONIA ●●
(BLUE STAR)
Amsonia x hybrida

'BLUE ICE'

Height: 16 in. (41 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 9b

Starry, blue blooms against narrow, bright green leaves that turn yellow in Fall.

ASTER ●
(NEW ENGLAND ASTER)
Aster novae-angliae

WALTERS GARDENS 

'GRAPE CRUSH'

Height: 26 to 30 in. (66 to 76 cm)
Bloom Months: August to November
USDA Hardiness Zones: 3a to 8b
PP33.612

Bringing refinement to Fall-blooming Asters, 'Grape Crush' produces a large, very round mound of densely packed flowers.

WALTERS GARDENS 

'PINK CRUSH'

Height: 20 to 24 in. (51 to 61 cm)
Bloom Months: August to November
USDA Hardiness Zones: 3a to 8b
PP33.628

'Pink Crush' produces a large, very round mound of densely packed flowers, bringing a refined look to Fall-blooming Asters.

'PURPLE DOME'

Height: 20 in. (51 cm)
Bloom Months: August to October
USDA Hardiness Zones: 4a to 9b

Solid masses of purple flowers with yellow centers.

ASTER ●
Aster x frikartii

'MOENCH'

Height: 24 in. (61 cm)
Bloom Months: August to September
USDA Hardiness Zones: 4a to 8b

Deep blue flowers measure 2.5 in. (6 cm).

ARMERIA ●
(THRIFT, SEA PINKS)

Armeria pseudarmeria

DARWIN PERENNIALS

**DREAMERIA®
SERIES**



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: March to October

USDA Hardiness Zones: 5a to 9a

- Dreameria moves the genus from strictly early-Spring and late-Fall, cool-season perennial to season-long flowering.
- Features large flowers on sturdy stems for an excellent color presentation.
- Callused cuttings greatly enhance the grower's ability to grow this crop.
- Heat tolerant.
- Tidy habit is perfect for landscape and patio containers.

'Daydream' Shows bright pink flowers from Spring until Fall. PP29,381

'Dream Clouds' Beautiful, pure-white variety provides nice accent color in Dreameria combos. PP33,597

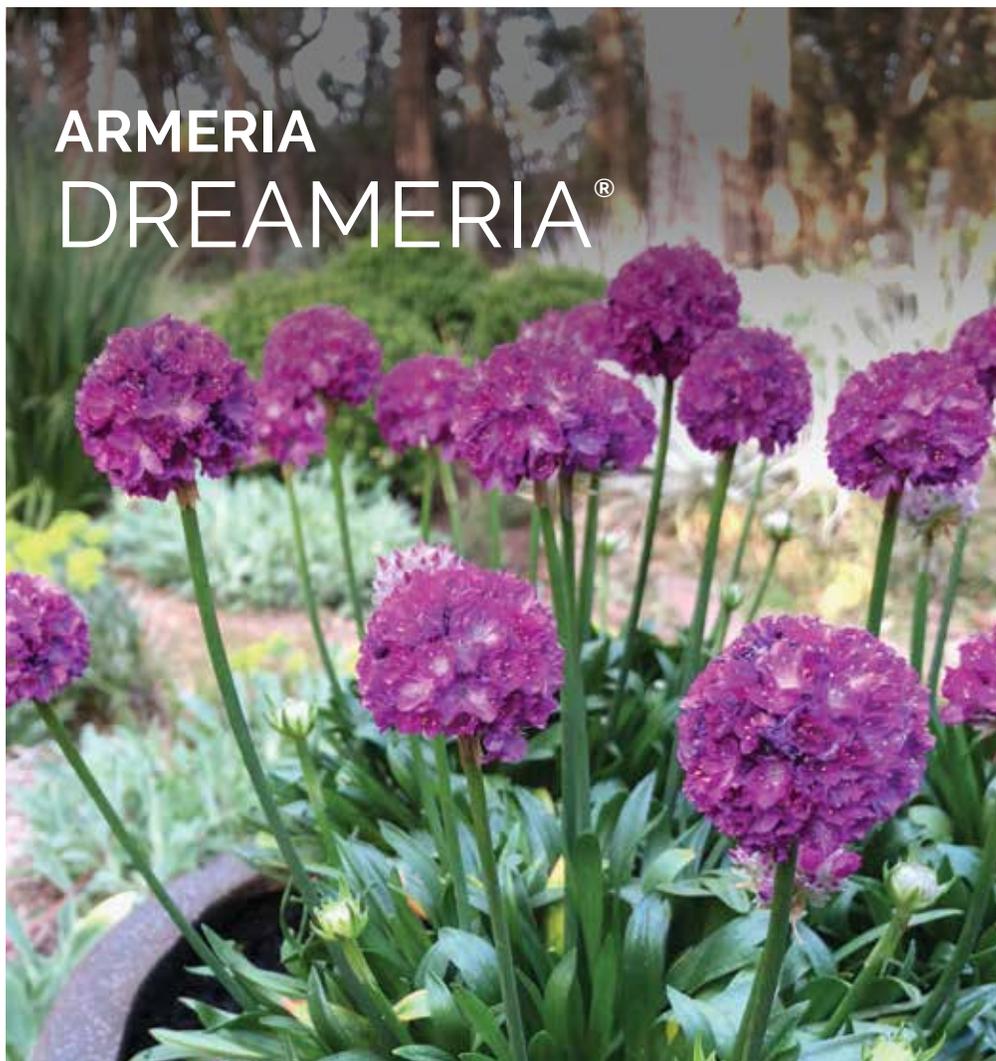
'Dream Weaver' A deep rose-pink color. PP30,600

'Dreamland' A dark salmon bloom. PP30,601

TOP SELLER 'Sweet Dreams' Attractive lavender-mauve flowers. PP29,612

NEW 'Vivid Dreams' Attractive, deep purple flowers. PPAF

DREAMERIA is a registered trademark of Plants Management Australia. Image courtesy of Plants Management Australia www.pma.com.au



'Vivid Dreams'

The Dreameria series offers entirely new and unique breeding for the Armeria class.



'Daydream'



'Dream Clouds'



'Dream Weaver'

Image Courtesy of Plants Management Australia

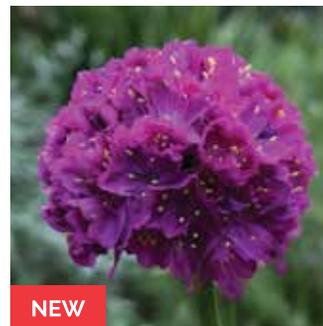


'Dreamland'



TOP SELLER

'Sweet Dreams'



NEW

'Vivid Dreams'

BRUNNERA 'FROSTBITE'

BRUNNERA ●
(GREAT FORGET-ME-NOT)

Brunnera macrophylla

DARWIN PERENNIALS

'FROSTBITE'



Available as tissue
culture-raised liners

Height: 6 to 9 in. (15 to 23 cm)

Bloom Months: April to May

USDA Hardiness Zones: 4a to 9a

PP35,059

- This low-maintenance option for the shade offers a superior balance of silver and green foliage than competitors.
- Great late-season performer, holding its striking pattern with minimal browning.
- Heart-shaped leaves are slightly smaller, allowing production in smaller containers as well as providing a nice texture in the landscape.
- Produces bright blue flowers in Spring.



Perfect balance of
silver-to-green foliage
for shade gardens.

BUDDLEIA
(BUTTERFLY BUSH)

Buddleia hybrid

DARWIN PERENNIALS

**CHRYSALIS™
SERIES**



 **FirstYearFloweringTool.com**
for easy scheduling

Height: 20 to 28 in. (51 to 71 cm)

Bloom Months: March to October

USDA Hardiness Zones: 5a to 9a

- Bred and selected for its profusion of flowers that attracts butterflies.
- Compact series provides continuous blooming from Spring through late Summer.
- Root hardy to USDA Zone 5 and stem hardy in warmer locations.
- Tolerant of rain and has a high drought tolerance once established.
- Downy mildew resistant.

Blue 'Balchrylu' PP33,842

Cranberry 'Balchryran' PP33,845

Pink 'Balchryink' PP33,843

Purple 'Balchryurp' PP33,847

White 'Balchryite' PP33,846

Compact Chrysalis features an abundance of flowers and continuous blooming!



Blue

Blue



Cranberry



Pink



Purple



White



Buddleia 'Butterfly Gold'



Buddleia Monarch 'Blue Knight'



Buddleia Monarch 'Glass Slippers'



Buddleia Monarch 'Princess Pink'



Buddleia Monarch 'Queen of Hearts'



Buddleia Monarch 'Prince Charming'

BUDDLEIA 
(BUTTERFLY BUSH)
Buddleia

MUST HAVE PERENNIALS  **'BUTTERFLY GOLD'**  

Height: 72 in. (183 cm)
Bloom Months: July to August
USDA Hardiness Zones: 6a to 9b
PPAF

Yellow to white and green variegated foliage helps this plant stand out even before its blooms appear. Large, mauve-purple flower spikes bloom in Summer. A very fragrant and floriferous shrub with a dense, compact habit.

BUDDLEIA 
(BUTTERFLY BUSH)
Buddleia davidii

'BLACK KNIGHT'  

Height: 84 in. (213 cm)
Bloom Months: July to September
USDA Hardiness Zones: 6a to 9b

Deep blue-black flowers and silvery foliage.

PLANTHAVEN INT'L, INC.

BUZZ™ SERIES  

Height: 30 to 60 in. (76 to 152 cm)
Bloom Months: July to September
USDA Hardiness Zones: 5a to 9b

Long-blooming series is suitable for gallon pots and smaller garden spaces.

- Hot Raspberry** 'TOBUD1202'
- Midnight** 'TOBUDMIDNI'
- Sky Blue** 'TOBUD0615' PP23,461
- Velvet** 'TOBUD0703' PP23,462

BUZZ is a U.S. trademark of Branded Garden Products Ltd.

WALTERS GARDENS 

'LILAC CASCADE'  

Height: 60 to 66 in. (152 to 168 cm)
Bloom Months: August to November
USDA Hardiness Zones: 5a to 10b
PP33,844

The habit of this butterfly bush has panicles that cascade downward, like a waterfall. Features 12 to 18-in. (30 to 46-cm), huge, puffy panicles of pale lilac flowers.

WALTERS GARDENS



MONARCH® SERIES  

Height: 60 in. (152 cm)
Bloom Months: August to September
USDA Hardiness Zones: 5a to 10b

Gorgeous butterfly bush produces incredibly long, 10 to 12-in. (25 to 30-cm) panicles of colorful blossoms, a favorite of Monarch butterflies. Incredible flower coverage on its dense clump of leaves.

'Blue Knight' Outward-facing flower panicles open light lavender-purple and deepen to blue-purple. PP28,178

'Dark Dynasty' Royal purple, fragrant flowers. PP27,834

'Glass Slippers' Silvery-green foliage and icy, periwinkle-blue blossoms. PP27,832

'Prince Charming' Bright cerise-pink flower spikes. PP28,903

'Princess Pink' Light appleblossom-pink flowers. PP33,665

'Queen of Hearts' Vibrant magenta-red blossoms. PP27,987

MONARCH is a U.S. registered trademark of Walters Gardens.



Buddleia Humdinger 'Gold Drop'



Buddleia Humdinger 'Lavender Cupcake'



Buddleia Humdinger 'Little Angel'



Buddleia Humdinger 'Magenta Munchkin'



Buddleia 'Grand Cascade'



Buddleia 'Violet Cascade'



Buddleia 'Pink Cascade II'



Campanula 'Birch Hybrid'



Campanula Blue Waterfall

BUDDLEIA (BUTTERFLY BUSH)
Buddleia davidii

WALTERS GARDENS **HUMDINGER® SERIES**

Height: 30 to 48 in. (76 to 122 cm)
Bloom Months: August
USDA Hardiness Zones: 5a to 10b

This butterfly bush fits easily into smaller gardens because of its compact, rounded habit. Flowers for many weeks, beginning in late Summer with good flower coverage. Secondary blooms will extend the flowering season.

'Gold Drop' Compact 6 to 8-in. (15 to 20-cm), purple panicles display across gold-green foliage. Ideal for small spaces. PP34.266

'Lavender Cupcake' Extremely long, 12-in. (30-cm), light lavender-purple flower panicles. PP28.221

'Little Angel' Very long, 10 to 12-in. (25 to 30-cm), pure white flower panicles. PP28.204

'Magenta Munchkin' Bold, 7 to 8-in. (18 to 20-cm), fuchsia-red flowers have lighter, eye-type centers. PP28.177

HUMDINGER is a U.S. registered trademark of Walters Gardens.

BUDDLEIA (BUTTERFLY BUSH)
Buddleia hybrida

WALTERS GARDENS **'GRAND CASCADE'**

Height: 66 to 72 in. (168 to 183 cm)
Bloom Months: September to October
USDA Hardiness Zones: 5a to 10b
PP30.868

Enormous, cascading, light lavender-purple flowers with substantial presence in the garden.

WALTERS GARDENS **'VIOLET CASCADE'**

Height: 48 to 54 in. (122 to 137 cm)
Bloom Months: August to September
USDA Hardiness Zones: 5a to 10b
PP34.298

Deep purple flowers on a cascading habit similar to other Buddleia Cascade varieties. Plus, it has passed four years of sterility testing with no seed set.

BUDDLEIA (BUTTERFLY BUSH)
Buddleia

WALTERS GARDENS **'PINK CASCADE II'**

Height: 48 to 54 in. (122 to 137 cm)
Bloom Months: July to September
USDA Hardiness Zones: 5a to 10b

Large Butterfly Bush with appleblossom-pink flowers. 12-in. (30-cm) long panicles cascade down the plant, appearing to weep like a Bridalwreath Spirea. Seed set has not been observed on this plant, indicating it is likely sterile.

CAMPANULA (BELLFLOWER)
Campanula garganica

'DICKSON'S GOLD'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: May to July
USDA Hardiness Zones: 4a to 9b

Blue, star-shaped flowers on golden foliage.

CAMPANULA (BELLFLOWER)
Campanula portenschlagiana

'BIRCH HYBRID'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 7b

A dwarf form with pale blue flowers.

CAMPANULA (BELLFLOWER)
Campanula poscharskyana

MUST HAVE PERENNIALS **BLUE WATERFALL**

Height: 8 in. (20 cm)
Bloom Months: May to July
USDA Hardiness Zones: 4a to 9b
'Camgood'

Low-growing, vigorous, spreading habit with some repeat blooming in Fall; excellent in containers and baskets.

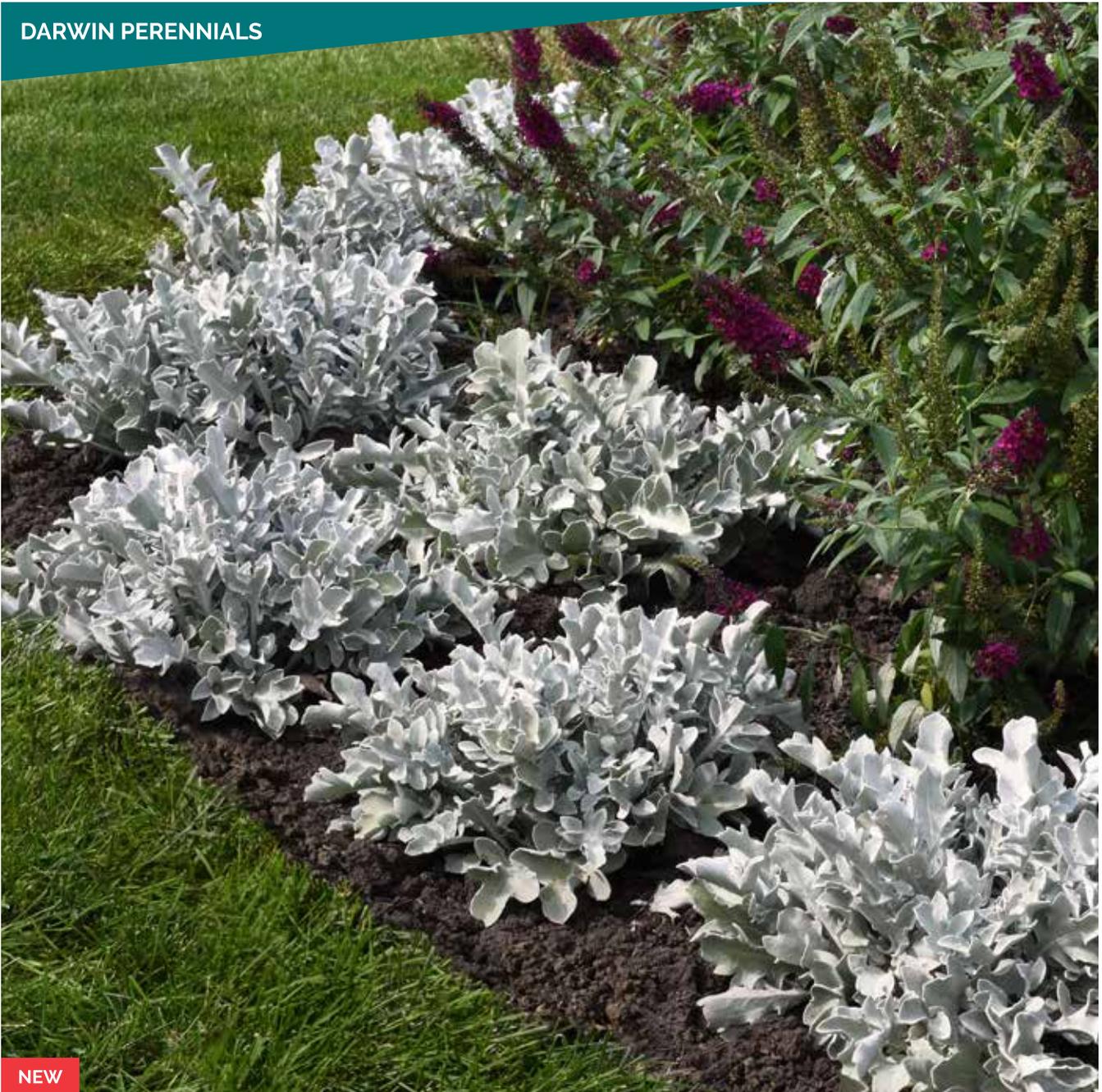
CARYOPTERIS (BLUEBEARD)
Caryopteris clandonensis

'DARK KNIGHT'

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: July to September
USDA Hardiness Zones: 6a to 9b

Purple flowers complement dark green foliage.

DARWIN PERENNIALS



NEW

Centaurea Silver Swirl



Centaurea Silver Swirl

CENTAUREA (SNOWFLAKE DUSTY MILLER)

Centaurea ragusina

DARWIN PERENNIALS
NEW FOR 2024

SILVER SWIRL

Height: 8 to 11 in. (20 to 28 cm)
USDA Hardiness Zones: 6b to 9b
'Balcentsirl' PPAF

Attract more attention to any display or landscape.

- Plant has distinctive silvery white foliage with wavy leaf edges.
- Ideal for combos and front-of-the-border plantings.
- Offers better Winter hardiness than the competition.

CENTAUREA (CORNFLOWER)

Centaurea montana

MUST HAVE PERENNIALS



'AMETHYST DREAM'

Height: 20 in. (51 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 9b
PP20,781

Unique "shingled" buds grow into showy, radiant, royal-purple blooms accented by softly haired, silver foliage.

MUST HAVE PERENNIALS



'AMETHYST IN SNOW'

Height: 14 in. (36 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 9b
PP18,284

Lovely bicolor blooms in a striking new flower form with dense masses of silvery-green foliage.



NEW

Caryopteris 'Emerald Crest'



Caryopteris 'Gold Crest'

CARYOPTERIS (BLUEBEARD)

Caryopteris x clandonensis

DARWIN PERENNIALS
NEW FOR 2024

'EMERALD CREST'

FirstYearFloweringTool.com
for easy scheduling

Height: 28 to 36 in. (71 to 91 cm)
Bloom Months: August to October
USDA Hardiness Zones: 6a to 9a
PP34,852

Provides a better finished plant with a high-impact color show!

- A rare bright blue for Fall programs.
- Dense flower clusters in late Summer and Fall attract pollinators.
- Compact plant has glossy green leaves and a nice, mounded habit.
- Makes an excellent addition to the landscape.

DARWIN PERENNIALS
'GOLD CREST'

FirstYearFloweringTool.com
for easy scheduling

Height: 28 to 36 in. (71 to 91 cm)
Bloom Months: August to October
USDA Hardiness Zones: 6a to 9a
PP32,310

Colors will not fade in intense sunlight!

- Shows beautiful golden foliage in Spring and Summer, accented by blue flowers in late Summer and Fall.
- Features a mounded habit and broad leaves.
- Ideal for 2.5-qt. pot size.

DARWIN PERENNIALS
GRAND BLEU®

FirstYearFloweringTool.com
for easy scheduling

Height: 48 in. (122 cm)
Bloom Months: August to October
USDA Hardiness Zones: 6a to 9b
'Inoveris' PP17,837

One of the best blue Caryopteris on the market.

- Deep purple-blue flower clusters.
- Compact, upright plant habit.
- Blooms until first frost.



Caryopteris Grand Bleu



Coreopsis 'Golden Stardust'



Coreopsis 'Super Star'



Coreopsis 'American Dream'

CERATOSTIGMA (LEADWORT)  
Ceratostigma plumbaginoides
Height: 8 to 12 in. (20 to 30 cm)
Bloom Months: April to September
USDA Hardiness Zones: 5a to 8b

Small blue flowers over shiny green foliage that turns bronze-red in Fall.

CHRYSOGONUM (GREEN & GOLD) 
Chrysogonum virginianum

'PIERRE'

Height: 6 in. (15 cm)
Bloom Months: May
USDA Hardiness Zones: 5a to 9b

Yellow daisy flowers on soft green foliage clumps.

COREOPSIS (TICKSEED) 
Coreopsis auriculata

'NANA' 

Height: 9 in. (23 cm)
Bloom Months: April to June
USDA Hardiness Zones: 3a to 9b

Small, daisy-like flowers in brilliant orange-yellow on bushy plants with large, rounded, dark green, evergreen foliage.

Coreopsis Solanna Golden Sphere

COREOPSIS (TICKSEED) 
Coreopsis rosea

'AMERICAN DREAM' 

Height: 9 to 15 in. (23 to 38 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 9b

Fine, dark green foliage sprinkled with rose-pink flowers.

COREOPSIS (TICKSEED) 
Coreopsis hybrida

DARWIN PERENNIALS

'GOLDEN STARDUST' 

 **FirstYearFloweringTool.com**
 for easy scheduling

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: March to November
USDA Hardiness Zones: 5a to 9b
 PP30,770

This Coreopsis is carefree and easy to grow!

- Produces abundant, star-shaped flowers throughout the growing season.
- Self-branching.
- Mildew resistant.
- Excellent heat tolerance.

DANZIGER "DAN" FLOWER FARMS
SOLANNA™ GOLDEN SPHERE 

Height: 8 in. (20 cm)
Bloom Months: May to September
USDA Hardiness Zones: 5a to 9b
 'DECOREO16' PP25,241

Bright yellow, fully double flowers on a compact habit with lance-shaped foliage.

SOLANNA is a U.S. trademark of Danziger "Dan" Flower Farms.

DARWIN PERENNIALS

'SUPER STAR' 

 **FirstYearFloweringTool.com**
 for easy scheduling

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: March to November
USDA Hardiness Zones: 5a to 9a
 PP30,805

Largest flowers – 2.5 to 3 in. (6 to 8 cm) – of any Coreopsis on the market.

- Similar habit and garden performance to UpTick™.
- Mildew resistant.

COREOPSIS (TICKSEED)

Coreopsis hybrida

DARWIN PERENNIALS
UPTICK™ SERIES



FirstYearFloweringTool.com
 for easy scheduling

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: March to November
USDA Hardiness Zones: 5a to 9b

- Tidy, mounded habit is easier to ship and shows better at retail.
- Keeps its shape – and color – in the landscape all Summer long.
- Cream is a clean, creamy white that's much sought-after for landscape design.
- Low maintenance and very mildew resistant.

Cream 'Balupteam' PP28,964

Cream & Red 'Balupteamed' PP28,866

TOP SELLER Gold & Bronze 'Baluptgonz' PP28,882

Red Nearly fully red in Spring; red with yellow petal tips in Summer. Mounded habit is similar to Yellow & Red. 'Baluptred' PP33,866

Yellow & Red 'Baluptowed' PP28,865

Easy-to-finish series has bigger flowers and longer blooming for more color at retail and in the garden.



COREOPSIS UPTICK™



Cream

Gold & Bronze



Cream & Red



TOP SELLER

Gold & Bronze



Red



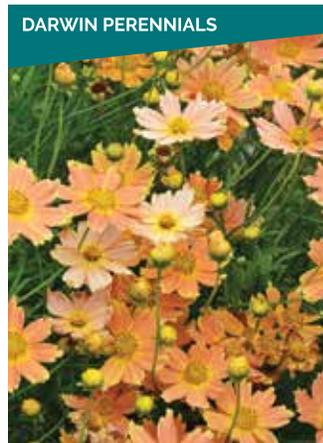
Yellow & Red



Coreopsis Sunny Day



Coreopsis 'Crème Brulee'



Coreopsis Crème Caramel



Coreopsis Sizzle & Spice 'Crazy Cayenne'



Coreopsis Sizzle & Spice 'Curry Up'



Coreopsis Sizzle & Spice 'Hot Paprika'



Coreopsis Sizzle & Spice 'Red Hot Vanilla'



Coreopsis Sizzle & Spice 'Zesty Zinger'

COREOPSIS (TICKSEED)

Coreopsis grandiflora

DARWIN PERENNIALS

SUNNY DAY

FirstYearFloweringTool.com
for easy scheduling

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 9b
'Balcorsunay' PP17,405

Excellent choice to brighten borders and containers.

- Lots of big, bright, single yellow blooms on compact plants.
- Remove spent flowers to encourage reblooming.
- North American native species.

COREOPSIS (TICKSEED)

Coreopsis verticillata

MUST HAVE PERENNIALS

'CRÈME BRULEE'

Height: 20 in. (51 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b
PP16,096

Larger, deeper yellow flowers and greater vigor than 'Moonbeam,' with brighter foliage and better powdery mildew resistance.

DARWIN PERENNIALS

CRÈME CARAMEL

Height: 18 in. (46 cm)
Bloom Months: May to July
USDA Hardiness Zones: 5a to 9b
'Novcorcar' PP22,565

Equally at home in mass plantings or containers.

- Terracotta-colored blooms and narrow, bright green foliage.
- Mixes well with other perennials and roses.
- Compact and dense habit.

'MOONBEAM'

Height: 15 to 18 in. (38 to 46 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 9b

Small, lemon yellow flowers on bushy plants with dark green foliage.

WALTERS GARDENS

SIZZLE & SPICE® SERIES

Height: 15 to 18 in. (38 to 46 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 9b

Heat up your Summer garden with this easy-care, hardy perennial with threadleaf foliage. Adds a bright spot of color all Summer long.

'Crazy Cayenne' Fiery sunset-orange flowers with red-orange concentrated at the centers.

'Curry Up' Golden yellow flowers with clear, dark red eyes. PP28,521

'Hot Paprika' Rich, deep red flowers. PP28,522

'Red Hot Vanilla' Cream flowers with a dark red central eye. PP30,909

'Sassy Saffron' PP31,393

'Zesty Zinger' Light ivory flowers have pronounced dark magenta centers. PP29,921

SIZZLE & SPICE is a U.S. registered trademark of Walters Gardens.

'ZAGREB'

Height: 16 to 24 in. (41 to 61 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 9b

Upright, bushy plants bear deep golden yellow flowers.

COREOPSIS (TICKSEED)

Coreopsis x hybrida

ITSAUL PLANTS, INC.

'JETHRO TULL'

Height: 15 in. (38 cm)
Bloom Months: May to August
USDA Hardiness Zones: 4a to 9b
PP18,789

Compact, hybrid, dwarf variety produces fluted, non-fading, golden yellow flowers all Summer.

'TEQUILA SUNRISE'

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: June to October
USDA Hardiness Zones: 6a to 10b

Long, pointed leaves with yellow margins topped by golden blooms with a red eye.



Delosperma 'Jewel of Desert Garnet'



Delosperma 'Jewel of Desert Peridot'



Delosperma 'Jewel of Desert Ruby'



Delosperma 'Jewel of Desert Topaz'



Delosperma Fire Spinner



Delosperma
Wheels of Wonder
Golden Wonder



Delosperma
Wheels of Wonder
Hot Pink Wonder



Delosperma
Wheels of Wonder
Violet Wonder



Delosperma 'Mountain Dew'



Delosperma 'Orange Crush'

DELOSPERMA (ICE PLANT)

Delosperma

PLANT SELECT

RED MOUNTAIN® FLAME

Height: 2 to 3 in. (5 to 8 cm)
Bloom Months: June to August
USDA Hardiness Zones: 6a to 9b
'PWWGO2S'

Tough, drought-tolerant groundcover has improved color and performance over Red Mountain.

RED MOUNTAIN is a U.S. registered trademark of Plant Select.

DELOSPERMA (ICE PLANT)

Delosperma cooperi

Height: 3 in. (8 cm)
Bloom Months: June to August
USDA Hardiness Zones: 6a to 10b

Rose-pink flowers on mats of succulent leaves.

DELOSPERMA (ICE PLANT)

Delosperma hybrid

PLANT SELECT

FIRE SPINNER®

Height: 2 to 3 in. (5 to 8 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b
'P001S'

Tricolored flowers of orange, magenta and white with succulent green foliage.

FIRE SPINNER is a U.S. registered trademark of Plant Select.

CONCEPT PLANTS, B.V.

JEWEL OF DESERT SERIES

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 10b

Heat and sun-loving, first-year-flowering series is drought tolerant once established.

'Jewel of Desert Garnet' PP23,471
'Jewel of Desert Peridot' PP23,566
'Jewel of Desert Ruby' PP23,453
'Jewel of Desert Topaz' PP23,492

CONCEPT PLANTS, B.V.

WHEELS OF WONDER™ SERIES

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 9b

Large-flowered, drought-tolerant series is perfect for rock gardens.

Fire Wonder

Golden Wonder

'WOW2011-1' PP25,684

Hot Orange Wonder 'W1813' PPAF

Hot Pink Wonder

'WOWDRY1' PP26,157

Hot Red Wonder 'W1811' PPAF

Limoncello Wonder

'WoW312' PP32,103

Salmony Pink Wonder

'P15PY4' PP31,958

Violet Wonder

'WOWDRW5' PP25,572

WHEELS OF WONDER is a U.S. trademark of Concept Plants, B.V.

DELOSPERMA (ICE PLANT)

Delosperma nubigenum

Height: 2 to 3 in. (5 to 8 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 9b

Spreading, succulent leaves and deep yellow flowers.

DELOSPERMA (ICE PLANT)

Delosperma

MUST HAVE PERENNIALS



'MOUNTAIN DEW'

Height: 2 to 3 in. (5 to 8 cm)
Bloom Months: April to June
USDA Hardiness Zones: 5a to 8b
PP31,543

Brilliant yellow blooms with a white center atop green, fingered foliage. This ground-hugging succulent features abundant flowering April into June. Plants are drought tolerant and low maintenance.

MUST HAVE PERENNIALS



'ORANGE CRUSH'

Height: 2 to 3 in. (5 to 8 cm)
Bloom Months: April to June
USDA Hardiness Zones: 5a to 8b
PP30,806

A sport of Fire Spinner® with softer, light orange flowers with a blush-pink center atop green, fingered foliage. This ground-hugging succulent features abundant flowering April into June. Plants are drought tolerant and low maintenance.

DELOSPERMA OCEAN SUNSET™

DELOSPERMA ●
(ICE PLANT)

Delosperma hybrida

DARWIN PERENNIALS
OCEAN SUNSET™
SERIES

 FirstYearFloweringTool.com
for easy scheduling

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to October
USDA Hardiness Zones: 5a to 9b

Ocean Sunset has a high flower count per plant, with large flowers on a great habit. This series gives an outstanding performance in pots, with showy flowers that close at night and open mid-morning. The intense, vivid colors are ideal in rock gardens and borders. These varieties are very drought tolerant once established.

Orange Glow 'T18-7' PPAF

Orange Vibe 'T18-2' PPAF

Violet 'T18-5' PPAF



Orange Glow



Orange Vibe



Violet (also pictured left)

DELPHINIUM 
(LARKSPUR)

Delphinium x hybrida

DARWIN PERENNIALS

'RED LARK'



FirstYearFloweringTool.com
for easy scheduling

Available as tissue
culture-raised liners

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

Bloom Months: April to July

USDA Hardiness Zones: 5a to 8b

PP29,761

- Delphinium 'Red Lark' brings a strong coral-red color to the genus.
- Flowers can be used as cut flowers or enjoyed in the garden.
- This variety is a sterile hybrid that will not reseed.
- No staking needed.

Exciting breakthrough
in hybridization!

DELPHINIUM 'RED LARK'



DIANTHUS

Mountain Frost Dianthus are the perfect combination of delicate yet sturdy, with dainty, ruffled petals displaying bright, bold color combinations. Available as spreading and mounding varieties that rebloom Spring through Fall.

Dianthus
Mountain Frost™
Pink Twinkle

DIANTHUS ●
(CHINA PINKS, CHEDDAR
PINKS)

Dianthus hybrida

DARWIN PERENNIALS

**MOUNTAIN FROST™
COLLECTION**



Available as URCs or liners

Height: Varies by Variety

Bloom Months: March to October

USDA Hardiness Zones: 4b to 9a

This standout collection will
rebloom consistently from
early Spring until Fall.

- Requires no vernalization to flower.
- Tolerant of rainy and wet conditions.
- Tidy, mounding habit is great for landscape borders.
- Ideal for 2.5-qt. and 1-gal. pot sizes.

SPREADING

Pink Carpet A burst of bright pink color and strong, green foliage.

Height: 6 to 8 in. (15 to 20 cm)

'KonD1010K2' PP30,246

Pink PomPom Double rose-pink flowers with dark green foliage.

Height: 6 to 8 in. (15 to 20 cm)

'KonD1014K3' PP30,190

Pink Twinkle Bright, bicolor pink flowers with silvery-green foliage.

Height: 6 to 8 in. (15 to 20 cm)

'KonD1060K3' PP30,105

White Twinkle Bright, bicolor white and pink flowers with silvery-gray foliage.

Height: 5 to 6 in. (13 to 15 cm)

'KonD1060K1' PP30,218

MOUNDING

Red Garnet Silver-gray foliage with deep red flowers that don't fade in the heat or sun.

Height: 6 to 8 in. (15 to 20 cm)

'KonD1335K1' PP32,362

Rose Bouquet Extra-large, deep rose flowers with dark green foliage.

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

'KonD1044K2' PP30,274

Ruby Glitter Non-fading red blooms with cream-white blotches and silver-gray foliage.

Height: 6 to 8 in. (15 to 20 cm)

'KonD1400K6' PP33,461

Ruby Snow Silver-gray foliage and white blooms with red eyes. Flowers don't fade in the heat or sun.

Height: 6 to 8 in. (15 to 20 cm)

'KonD1400K4' PP33,460

Silver Strike Bright, bicolor pink flowers with silver-gray foliage.

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

'KonD1039K1' PP30,079



Ruby Snow



Pink Carpet



Pink PomPom



Pink Twinkle



White Twinkle



Red Garnet



Rose Bouquet



Ruby Glitter



Ruby Snow



Silver Strike

TOP SELLER

DIGITALIS ARCTIC FOX ROSE

DIGITALIS ●
(FOXGLOVE)
Digitalis hybrida

DARWIN PERENNIALS
ARCTIC FOX ROSE



FirstYearFloweringTool.com
for easy scheduling

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: April to September;
Natural season flowering
USDA Hardiness Zones: 5a to 9a

'Balroxose' PP31,900

- Adds amazing impulse color for perennial tables.
- Flowers all season long.
- Ideal for 2.5-qt. and 1.5-gal. pot sizes.

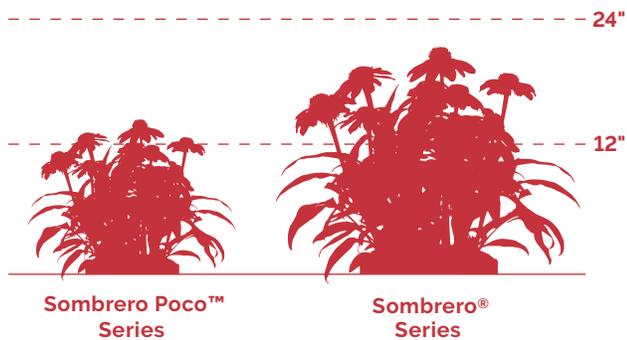
This beautiful hybrid Digitalis provides much-needed Winter hardiness for northern growers, and Summer-long flowering for southern growers.

ECHINACEA



Echinacea Height Comparisons

Echinacea x hybrida



NEW

Echinacea
Double Scoop™
Raspberry Deluxe



ECHINACEA DOUBLE SCOOP™ SERIES

ECHINACEA ●
(CONEFLOWER)
Echinacea x hybrida

DARWIN PERENNIALS
DOUBLE SCOOP™
SERIES

 FirstYearFloweringTool.com
for easy scheduling

Available as tissue culture-raised liners

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b

- These new Deluxe varieties bring the branching, flower count and timing of the Sombbrero® Series to Double Scoop.
- More compact with better branching and a higher flower count than the typical double-flowered Echinacea.
- More reliable first year flowering.

Bubble Gum 'Balscblum'
PP23,103; US7,982,110

Cranberry 'Balscanery'
PP24,769; US7,982,110

Lemon Cream 'Balsclemc'
PP27,858; US7,982,110

Mandarin 'Balscandin'
PP26,640; US7,982,110

NEW Orangeberry Deluxe
Improved performance over original Orangeberry.
'Balscoberrux' PPAF; USUS7,982,110

NEW Raspberry Deluxe Radiant dark pink double blooms.
'Balscrasux' PPAF; US7,982,110

NEW Strawberry Deluxe A brand-new deep red color!
'Balscawbux' PPAF; USUS7,982,110

NEW Watermelon Deluxe
A brand-new color – hot pink with an almost black eye when first opening!
'Balscmelux' PPAF; US7,982,110

Bubble Gum



Cranberry



Lemon Cream

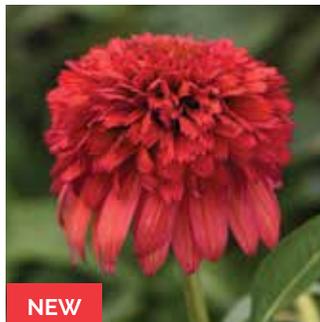


Mandarin

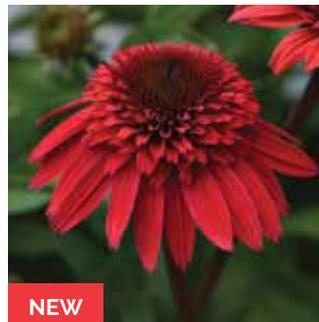
Improved flower coverage makes a bold statement in landscapes and gardens.



NEW
Orangeberry Deluxe



NEW
Raspberry Deluxe



NEW
Strawberry Deluxe



NEW
Watermelon Deluxe

ECHINACEA (CONEFLOWER)

Echinacea x hybrida

DARWIN PERENNIALS

SOMBRERO® SERIES



FirstYearFloweringTool.com
for easy scheduling

Available as tissue culture-raised liners

Height: 18 to 20 in. (46 to 51 cm)

Bloom Months: June to August

USDA Hardiness Zones: 4b to 9b

Sombrero's vibrant colors are matched by its exceptional Winter hardiness and excellent landscape performance.

- Highly floriferous series is naturally well-branched and compact for easy shipping.
- Excellent retail presentation, commanding a premium price.
- Well-matched in habit and timing.
- Plant Sombrero in the Spring and sell it the same year.
- Ideal for 2.5-qt. pot size.

TOP SELLER Adobe Orange

'Balsomador' PP26,639; US7,982,110

Baja Burgundy

'Balsombabur' PP28,162; US7,982,110

Blanco

'Balsomblanc' 'Balsomstor' PP33,170; US7,982,110

Flamenco Orange

'Balsomenco' PP25,523; US7,982,110

Granada Gold

'Balsomold' PP30,115; US7,982,110

TOP SELLER Lemon Yellow

'Balsomemyim' PP30,116; US7,982,110

TOP SELLER Rosada

'Balsomrosa' PP33,011; US7,982,110

TOP SELLER Salsa Red

'Balsomsed' PP23,105; US7,982,110

TOP SELLER Sangrita

'Balsomanita' PP30,138; US7,982,110

Summer Solstice

'Balsomsolst' PP31,818; US7,982,110

Tango Tangerine

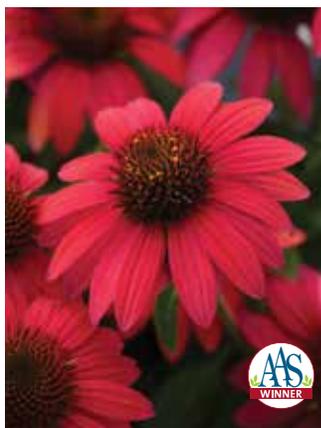
'Balsomotan' PP31,844; US7,982,110

Tres Amigos

'Balsomtreggo' PP30,750; US7,982,110



Adobe Orange



Baja Burgundy



Blanco



Fiesta Orange



Flamenco Orange



Granada Gold



Lemon Yellow



Rosada



Salsa Red



Sangrita



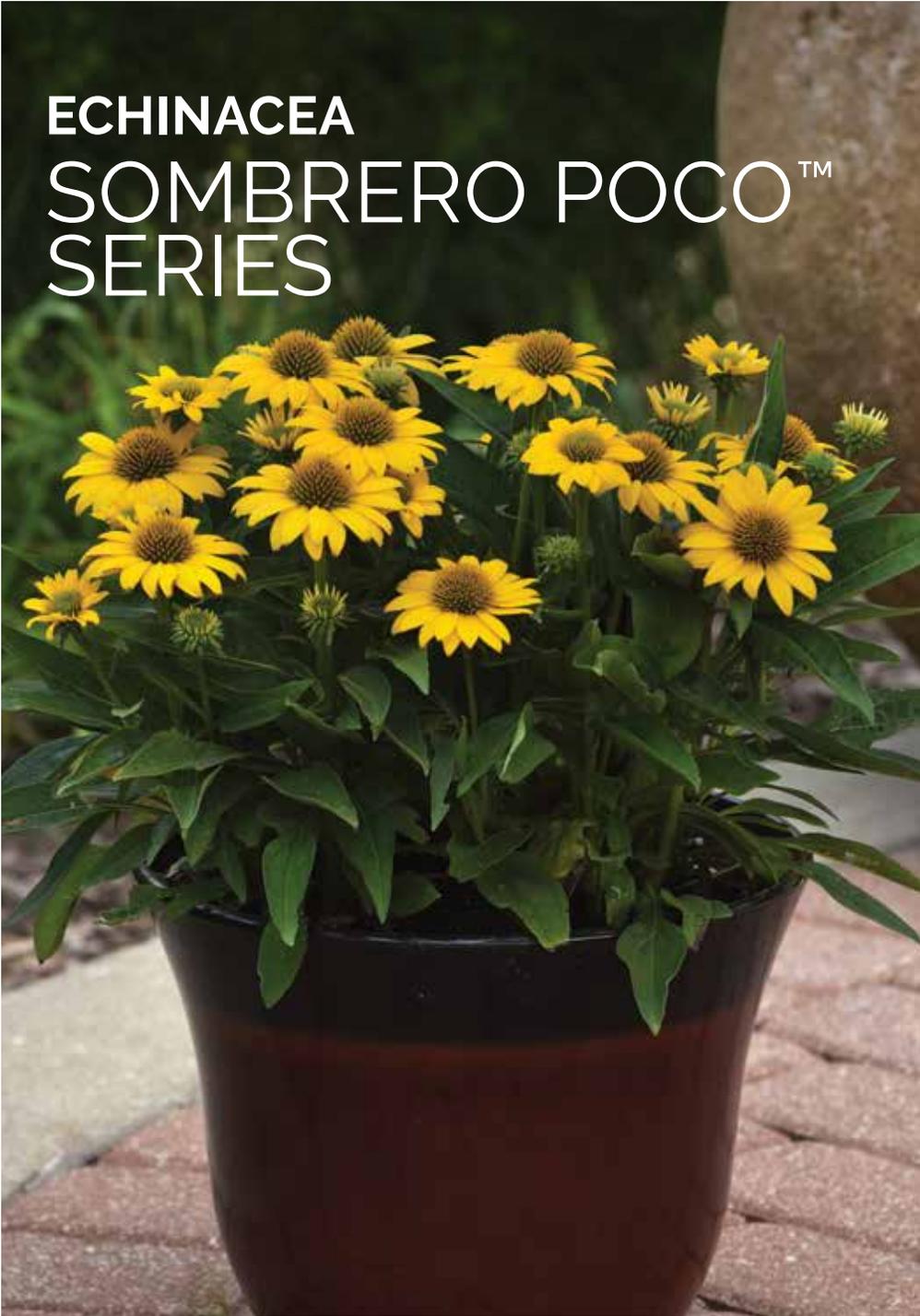
Summer Solstice



Tango Tangerine



Tres Amigos



ECHINACEA SOMBRERO POCO™ SERIES

ECHINACEA ●
(CONEFLOWER)
Echinacea x hybrida

DARWIN PERENNIALS
**SOMBRERO POCO™
SERIES**

 **FirstYearFloweringTool.com**
for easy scheduling

Available as tissue culture-raised liners

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4b to 9b

Sombrero introduces a compact series featuring the same exceptional Winter hardiness, excellent branching and proven landscape performance.

- Sturdy, compact plants are covered in blooms with bright, rich colors.
- Poco is compact for better forcing and greenhouse growing performance.
- Unique, non-fading flowers last for weeks.
- Well-matched in habit and timing.
- Plant Sombrero Poco in the Spring and sell it the same year.

TOP SELLER Hot Coral Formerly known as Sombrero Hot Coral, this variety fits the Sombrero Poco series due to its compact habit.
'Balsomcor' PP23,097; US7,982,110

Hot Pink 'Balsompotin' PPAF; US7,982,110

Red High-impact, red flowers. 'Balsompred' PP34,897; US7,982,110

White 'Balsompocwi' US7,982,110

Yellow 'Balsompocel' US11,297,788; US7,982,110



TOP SELLER

Hot Coral

Yellow



Hot Pink



Red



White



Yellow

ERYSIMUM
(WALLFLOWER)

Erysimum linifolium

DARWIN PERENNIALS

'BOWLES ME AWAY'



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: March to September

USDA Hardiness Zones: 6a to 8b

PP29,380

This *Erysimum* doesn't require vernalization to flower and it is heat tolerant, so it continues to bloom from Spring into the heat of Summer.

- Features narrow, gray-green leaves that stay evergreen in mild Winters.
- Large flower heads have bright lavender blooms that are especially brilliant in Spring.



Erysimum 'Bowles Me Away'

DARWIN PERENNIALS

CHEERS™
SUN-KISSED AMETHYST



FirstYearFloweringTool.com
for easy scheduling

Height: 18 to 22 in. (46 to 56 cm)

Bloom Months: March to September

USDA Hardiness Zones: 7a to 10b

'Batcherissam' PP29,379

More flowers, richer color and better habit than standard *Erysimum*.

- Continuous blooming and excellent heat tolerance make satisfied customers.
- Blooms without vernalization from early Spring into late Summer.
- Like a bouquet of flowers on one plant. Flowers open as golden-yellow and mature to colors from bronze to lavender.



Erysimum Cheers Sun-Kissed Amethyst

DARWIN PERENNIALS



Eupatorium 'Little Joe'

EUPATORIUM  
(JOE-PYE WEED)

Eupatorium dubium

DARWIN PERENNIALS

'LITTLE JOE' 

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

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

Bloom Months: July to September

USDA Hardiness Zones: 3a to 9b
PP16.122

Strong, sturdy stems won't flop!

- Dwarf variety with green foliage and lavender-pink flowers.
- Large clusters of flowers in Summer dry to attractive light brown seed heads in Fall.
- Tolerates seasonally wet to rather dry sites.



Eupatorium Euphoria Ruby

EUPATORIUM 
(JOE-PYE WEED)

Eupatorium purpureum

FLORENSIS, B.V.



EUPHORIA™ RUBY 

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 24 to 32 in. (61 to 81 cm)

Bloom Months: July to October

USDA Hardiness Zones: 4a to 9a

'FLOREUPRE1' PP31.668

Flowers earlier in the Summer than typical Joe-Pye Weed varieties, and will have a bloom time extending well into late-Summer and Fall. One of the first compact Eupatorium for the modern garden landscape. Very attractive to pollinators and butterflies. Ideal for 2.5-qt. and 1-gal. pot sizes.

EUPHORIA is a U.S. trademark of Florensis, B.V.



Euphorbia 'Bonfire'



Euphorbia 'Ascot Rainbow'



Galium odoratum



Gaura Passionate Blush



Gaura Walberton's Pink Fountain



Gaura 'Whirling Butterflies'

EUPATORIUM ●●●
(JOE-PYE WEED)
Eupatorium maculatum

'GATEWAY' 
Height: 60 to 72 in. (152 to 183 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 8b
Mauve-pink flowers against deep red stems make a bold garden display.

EUPHORBIA ●
(SPURGE)
Euphorbia polychroma

MUST HAVE PERENNIALS 
'BONFIRE' 
Height: 10 in. (25 cm)
Bloom Months: May to July
USDA Hardiness Zones: 5a to 9b
PP18.585
Neat, uniform mounds of green foliage quickly mature to rich maroon-red in Summer; has glowing chartreuse-gold flowers in Spring.

EUPHORBIA ●●●
(SPURGE)
Euphorbia x martinii

PLANTHAVEN INT'L, INC.
'ASCOT RAINBOW' 
Height: 20 to 22 in. (51 to 56 cm)
Bloom Months: April to May
USDA Hardiness Zones: 6a to 9b
PP21.401
Vigorous variety has very colorful, variegated foliage that turns deep red in cooler weather.

GALIUM ●●●
(SWEET WOODRUFF) 
Galium odoratum

Height: 6 to 12 in. (15 to 30 cm)
Bloom Months: April
USDA Hardiness Zones: 3a to 9b
Low-growing groundcover with glossy green foliage and fragrant, white flowers.

GAURA ●
(WAND FLOWER)
Gaura lindheimeri

PLANTHAVEN INT'L, INC.
PASSIONATE BLUSH 

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: May to September
USDA Hardiness Zones: 7a to 9b
'SME-2' PP17.293
Floriferous tender perennial has medium pink flowers, beautifully variegated foliage and a tidy appearance.

PLANTHAVEN INT'L, INC.
WALBERTON'S® PINK FOUNTAIN 

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: May to September
USDA Hardiness Zones: 6a to 9b
'Walgaupf' PP15.555

Heavy lateral branching for a dense habit and an abundance of soft pink blooms with an exceptionally long flowering period.
WALBERTON'S is a U.S. registered trademark of Walberton's Nursery, Ltd.

'WHIRLING BUTTERFLIES' 

Height: 23 to 35 in. (58 to 89 cm)
Bloom Months: May to October
USDA Hardiness Zones: 6a to 9b
Airy blooms move in the breeze like a cluster of white butterflies.



Gaura 'Little Janie'

GAURA 
(WAND FLOWER)
Gaura lindheimeri

DARWIN PERENNIALS

'LITTLE JANIE' 

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: April to September
USDA Hardiness Zones: 6a to 9b
PP26.356

Compact, bicolor Gaura holds its shape from bench to garden.

- Finished plants are easier to ship and arrive in better shape.
- Excellent retail appeal and longer shelf life.
- Maintains a beautiful Spring, Summer and Fall display of white and rose bicolored blooms.



Gaura 'Whiskers Deep Rose'

DARWIN PERENNIALS

'WHISKERS DEEP ROSE' 

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: April to September
USDA Hardiness Zones: 6a to 9b
PP26.399

A great container item for impulse sales.

- Unique contrasting flower parts add new color interest to a popular class.
- White filaments set off deep rose petals.
- Compact, bushy habit and dark red foliage.



Gaura Ballerina Rose



Gaura Ballerina White



Gaura Belleza Compact Light Pink



Gaura Belleza Dark Pink

GAURA 
(WAND FLOWER)
Gaura lindheimeri

DARWIN PERENNIALS

BALLERINA™ SERIES 

 **FirstYearFloweringTool.com**
 for easy scheduling

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: April to September
USDA Hardiness Zones: 6a to 9b

Continuous blooms on compact, well-branched, upright plants.

- Striking flowers complement dark foliage.
- Well-suited to landscapes and mixed containers.

Rose 'Baltinrose'

White 'Baltincite' PP20,326

FLORENSIS, B.V. 
GAUDI™ SERIES 

Height: 12 in. (30 cm)
Bloom Months: June to October
USDA Hardiness Zones: 6a to 9b

Compact, well-branched series features darker foliage in cooler temperatures; makes a beautiful container plant.

Pink 'Florgaucompil'

Red 'Florgaure' PP26,518

GAUDI is a U.S. trademark of Florensis, B.V.

SELECTA ONE
BELLEZA® SERIES 

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: April to September
USDA Hardiness Zones: 6a to 9b

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

Compact Light Pink
 'KLEGL06261' CPBR3667

TOP SELLER Dark Pink
 'KLEAU04263' CPBR2860

White One of the most compact, well-branched white Gauras on the market. 'KLEGL14844'

BELLEZA is a U.S. registered trademark of Selecta Klemm GmbH & Co.



Gaura Belleza White



Gaura Gaudi Pink



Gaura Gaudi Red

DARWIN PERENNIALS



Miscanthus High Frequency

DARWIN PERENNIALS



Miscanthus Bandwidth

DARWIN PERENNIALS



Miscanthus My Fair Maiden



Panicum Ruby Ribbons

MISCANTHUS ●
(JAPANESE SILVER GRASS, MAIDEN GRASS)
Miscanthus sinensis

DARWIN PERENNIALS
HIGH FREQUENCY 🚫

Available as a liner only
Height: 80 to 86 in. (203 to 218 cm)
Bloom Months: September to October
USDA Hardiness Zones: 5a to 9a
'NCMS3' PP34,712 CABPRAF

A tall, columnar, banded Miscanthus – perfect for height and structure in the landscape.

- High Frequency creates showy retail displays without the need for flowers.
- Ideal for larger containers – 1.5 gal. and up!
- Rust resistant and infertile for healthy, non-invasive plants in the landscape.
- An excellent feather-like seed head display in the Fall for added interest.
- A perfect addition to any Fall grass program.

DARWIN PERENNIALS
BANDWIDTH 🚫

Available as a liner only
Height: 30 to 36 in. (76 to 91 cm)
Bloom Months: October to November
USDA Hardiness Zones: 5a to 9b
'NCMS2B' CPBR6081; PP29,460

Dwarf ornamental grass with banded foliage provides interest in the garden.

- Rust resistant and infertile, for healthy, non-invasive plants in the landscape.

DARWIN PERENNIALS
MY FAIR MAIDEN 🚫

Available as a liner only
Height: 72 to 102 in. (183 to 259 cm)
Bloom Months: October to November
USDA Hardiness Zones: 5a to 9a
'NCMS1' CPBRAE; PP26,387

A non-invasive, infertile hybrid Maiden Grass.

- Ideal for dramatic backgrounds in the landscape.

PANICUM ●
(SWITCH GRASS)
Panicum virgatum

RUBY RIBBONS 🚫

Available as a liner only
Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: September to October
USDA Hardiness Zones: 4a to 9a
'RR1' PP17,944

Lovely blue-green foliage emerges in the Spring, maturing to a wine-red color by mid-Summer. The perfect accent grass for large containers and beds. Available as a liner only.

HELENIUM
(SNEEZE WEED)

Helenium autumnale

DARWIN PERENNIALS

SALUD™ SERIES



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: July to September

USDA Hardiness Zones: 4a to 9a

- Very compact, making them great for containers.
- Well-branched habit will hold up to weather in the landscape.
- Vibrant colors stand out at retail.
- No vernalization required for bulking or flowering.

Embers 'Balsaluemb' PP30,617

Golden 'Balsaluglo' PP30,616

Yellow 'Balsalulow' PP30,771

Stunning Summer-into-Fall garden flowers for late-season sales.



Embers



Golden



Yellow (also pictured right)

HELENIUM SALUD™



HERBS

We understand how important it is to bring fresh, edible herbs to market, which is why Darwin Colombia offers a wide range of novel and traditional herbs for you to choose from.

We've got an excellent supply of vegetative unrooted cuttings derived from our clean stock protocols, available in bags of 50. Cuttings go from harvest to cooler in 15 minutes, to ensure the highest quality possible.

Salvia
Silver Scent



Artemisia
French Tarragon



Mentha
'Kentucky Colonel'



Mentha Spearmint



Mentha Apple



Mentha Pineapple
Variegated



Mentha Chocolate



Mentha
Citrata Orange



Mentha Peppermint



Mentha Mojito

TOP SELLER



Origanum
'Kent Beauty'



Origanum 'Gilt Trip'

ARTEMISIA (WORMWOOD)

Artemisia dracunculoides sativa

FRENCH TARRAGON



Height: 16 to 24 in. (41 to 61 cm)
USDA Hardiness Zones: 4a to 9b

This true French Tarragon brings a distinct anise scent to perennial and herb gardens.

MENTHA (MINT)

Mentha spicata

'KENTUCKY COLONEL'



Height: 24 in. (61 cm)
USDA Hardiness Zones: 3a to 7b

Robust-growing spearmint with large leaves and sweet/spicy flavor.

SPEARMINT



Height: 36 in. (91 cm)
USDA Hardiness Zones: 3a to 7b

Spearmint-scented, green leaves with purple-blue flowers.

MENTHA (MINT)

Mentha suaveolens

APPLE



Height: 36 in. (91 cm)
Bloom Months: July
USDA Hardiness Zones: 6a to 9b

Vigorous habit, apple-scented leaves and pinkish-white whorled flowers in Summer.

PINEAPPLE VARIEGATED



Height: 24 in. (61 cm)
USDA Hardiness Zones: 6a to 9b

Green and white variegated leaves with sweet pineapple scent.

MENTHA (MINT)

Mentha x piperita

CHOCOLATE



Height: 24 in. (61 cm)
USDA Hardiness Zones: 3a to 7b

Bronzy, peppermint-like foliage with a surprising chocolatey scent.

CITRATA ORANGE



Height: 24 in. (61 cm)
USDA Hardiness Zones: 3a to 7b

Very fragrant orange mint with a neat, attractive habit.

PEPPERMINT



Height: 24 in. (61 cm)
USDA Hardiness Zones: 3a to 7b

Deliciously spicy scent – great for tea.

STRAWBERRY



Height: 24 in. (61 cm)
USDA Hardiness Zones: 3a to 7b

Nice strawberry scented mint. Pink flower.

MENTHA (MINT)

Mentha x villosa

MOJITO



Height: 36 in. (91 cm)
USDA Hardiness Zones: 5a to 9b

TOP SELLER Refreshing mint flavor and fragrance; will develop pinkish-white blooms.

ORIGANUM (ORNAMENTAL OREGANO)

Origanum

WALTERS GARDENS



'GILT TRIP'



Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b

PPAF

Bushy mound of chartreuse leaves. In Summer, lilac flowers appear on mauve calyxes. Calyxes hold their color long after the plant has finished flowering, extending interest.

ORIGANUM (ORNAMENTAL OREGANO)

Origanum rotundifolium

'KENT BEAUTY'



Height: 4 in. (10 cm)
Bloom Months: August to September
USDA Hardiness Zones: 5a to 8b

Clusters of hop-like, pendant bracts; color segues from green to mauve-pink.



Origanum Greek



Origanum 'Hot and Spicy'



Origanum Variegated



Origanum Italian



Rosmarinus officinalis



Rosmarinus 'Arp'



Rosmarinus 'Barbecue'



Rosmarinus 'Gorizia'



Rosmarinus 'Huntington Carpet'



Rosmarinus 'Prostratus'



Rosmarinus 'Salem'



Rosmarinus 'Spice Island'



Rosmarinus 'Tuscan Blue'



Salvia 'Aurea'



Salvia Pineapple Sage

ORIGANUM (OREGANO)

Origanum vulgare

'AUREUM'

Height: 12 in. (30 cm)
USDA Hardiness Zones: 5a to 9b

Golden Oregano with light lavender-purple flowers and chartreuse, spreading foliage.

'HOT AND SPICY'

Height: 24 to 30 in. (61 to 76 cm)
USDA Hardiness Zones: 5a to 9b

Highly aromatic scent and spicy flavor. White flowers in Summer.

VARIEGATED

Height: 16 in. (41 cm)
USDA Hardiness Zones: 4a to 9b

Green with creamy variegated edge.

ORIGANUM (OREGANO)

Origanum vulgare hirtum

GREEK

Height: 12 to 28 in. (30 to 71 cm)
USDA Hardiness Zones: 5a to 9b

Strong-growing, hardy strain.

ORIGANUM (OREGANO)

Origanum x majoricum

ITALIAN

Height: 18 to 24 in. (46 to 61 cm)
USDA Hardiness Zones: 5a to 9b

Deliciously scented culinary herb.

ROSMARINUS (ROSEMARY)

Rosmarinus officinalis

Height: 48 to 60 in. (122 to 152 cm)
USDA Hardiness Zones: 8a to 11

Shrubby, tender perennial has evergreen, needle-like leaves with a pungent, pine scent. Standard variety Rosemary.

'ARP'

Height: 60 in. (152 cm)
USDA Hardiness Zones: 7a to 11

TOP SELLER Tender perennial with needle-like leaves, woody stems and sparkling blue flowers.

'BARBECUE'

Height: 36 to 48 in. (91 to 122 cm)
USDA Hardiness Zones: 8a to 11

TOP SELLER Tender perennial has upright habit with long, sturdy stems perfect for skewers.

'GORIZIA'

Height: 48 to 60 in. (122 to 152 cm)
USDA Hardiness Zones: 8a to 11

Upright, tender perennial with strong, dark green foliage and blue flowers.

'HUNTINGTON CARPET'

Height: 18 in. (46 cm)
USDA Hardiness Zones: 8a to 11

Prostrate, tender perennial with strong, green foliage and blue flowers.

'PROSTRATUS'

Height: 6 to 12 in. (15 to 30 cm)
USDA Hardiness Zones: 8a to 11

Low-growing, tender perennial's flexible stems make great living wreaths and topiaries.

'SALEM'

Height: 36 in. (91 cm)
USDA Hardiness Zones: 8a to 11

Tender perennial but hardier than most. Tidy, upright habit.

'SPICE ISLAND'

Height: 24 to 36 in. (61 to 91 cm)
USDA Hardiness Zones: 8a to 11

Vigorous, tender perennial with thick, sturdy, dark green foliage.

'TUSCAN BLUE'

Height: 36 in. (91 cm)
USDA Hardiness Zones: 8a to 11

Tender perennial has bushy, upright, spreading habit and larger leaves than most.

SALVIA (GOLDEN SAGE)

Salvia officinalis

'AUREA'

Height: 24 to 30 in. (61 to 76 cm)
USDA Hardiness Zones: 5a to 8b

Golden Sage has chartreuse leaves edged in gold.

SALVIA (SAGE)

Salvia elegans

PINEAPPLE SAGE

Height: 36 in. (91 cm)
USDA Hardiness Zones: 8a to 11

Tender perennial with pineapple-scented foliage and red flowers.

DARWIN PERENNIALS



NEW

Salvia Silver Scent



Salvia 'Berggarten'



Salvia Garden Sage



Salvia 'Icterina'



Salvia 'Purpurascens'



Salvia 'Tricolor'



Stevia Sweet Leaf



Thymus English



Thymus French



Thymus 'Doone Valley'



TOP SELLER

Thymus Golden Lemon



Thymus Lemon



Thymus Silver Edged



Thymus 'Spicy Orange'

SALVIA (GOLDEN SAGE)
Salvia officinalis

'BERGGARTEN'

Height: 20 to 24 in. (51 to 61 cm)
USDA Hardiness Zones: 5a to 8b

Culinary and decorative variety has large, gray-green leaves, deep blue flowers and a spicy scent.

GARDEN SAGE

Height: 32 in. (81 cm)
USDA Hardiness Zones: 5a to 8b

Strongly aromatic, gray-green foliage.

'ICTERINA'

Height: 18 to 24 in. (46 to 61 cm)
USDA Hardiness Zones: 6a to 10b

Fragrant, gray-green leaves with yellow margins and bluish-purple flowers in Summer.

'PURPURASCENS'

Height: 12 to 24 in. (30 to 61 cm)
USDA Hardiness Zones: 6a to 9b

Purple Sage has bluish-purple stems and leaves.

DARWIN PERENNIALS
NEW FOR 2024

SILVER SCENT

Height: 21 to 24 in. (53 to 61 cm)
Bloom Months: April to May
USDA Hardiness Zones: 5a to 9b
'Balsalscent' PPAF

Bring fragrance back to the ornamental garden.

- This ornamental sage doubles as a fragrant herb.
- Attractive flowers bloom in early Spring (short days) for added ornamental value.
- Ideal for both combos and the landscape.

'TRICOLOR'

Height: 12 to 24 in. (30 to 61 cm)
USDA Hardiness Zones: 6a to 10b

Green, white and pink foliage with habit and scent like rest of species.

STEVIA (STEVIA)

Stevia rebaudiana

SWEET LEAF

Height: 18 to 30 in. (46 to 76 cm)
USDA Hardiness Zones: 9a to 11

Tender perennial used as a dietary supplement; dried leaves are many times sweeter than sugar.

THYMUS (THYME)

Thymus vulgaris

ENGLISH

Height: 6 to 8 in. (15 to 20 cm)
USDA Hardiness Zones: 4a to 9b

Popular culinary variety has rounded leaves, purple-pink flowers and a semi-creeping habit.

FRENCH

Height: 6 to 8 in. (15 to 20 cm)
USDA Hardiness Zones: 4a to 9b

Purple to white flowers with narrow, fragrant, green leaves.

THYMUS (THYME)

Thymus x citriodorus

'DOONE VALLEY'

Height: 1 to 2 in. (3 to 5 cm)
Bloom Months: June to July
USDA Hardiness Zones: 5a to 5b

Also known as Creeping Lemon Thyme. Purple flowers with lemon-scented, green and golden variegated foliage. Excellent for planting in rock gardens and between stepping stones.

GOLDEN LEMON

Height: 4 in. (10 cm)
USDA Hardiness Zones: 6a to 9b

TOP SELLER Pungently lemon-scented leaves are golden and variegated when grown in bright light.

LEMON

Height: 8 in. (20 cm)
USDA Hardiness Zones: 5a to 9b

Lemon-scented, green leaves and lavender-pink flowers.

SILVER EDGED

Height: 4 in. (10 cm)
USDA Hardiness Zones: 4a to 9b

Narrow, green leaves with variable silver variegation, lavender-pink flowers and no lemon fragrance.

'SPICY ORANGE'

Height: 2 to 4 in. (5 to 10 cm)
USDA Hardiness Zones: 5a to 9b

Needle-like leaves with a spicy, orange scent; soft, lavender flowers in late Spring.



Helianthus 'Autumn Gold'

HELIANTHUS ●
(NARROW-LEAVED
SUNFLOWER)

Helianthus salicifolius

DARWIN PERENNIALS
'AUTUMN GOLD'

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 24 to 26 in. (61 to 66 cm)

Bloom Months: September to
November

USDA Hardiness Zones: 5a to 10a

PP30,117

Excellent Fall-flowering
companion to garden mums.

- Hardy and drought tolerant once established.
- An attractive, maintenance-free perennial with bright golden yellow flowers that bloom from September until November or hard frost.



Heliopsis 'Sunstruck'

HELIOPSIS ●
(FALSE SUNFLOWER)

Heliopsis helianthoides

DARWIN PERENNIALS
'SUNSTRUCK'

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

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

Bloom Months: June to August

USDA Hardiness Zones: 4a to 9b

PP25,524

The biggest blooms in its
class. Plus, eye-catching,
variegated foliage.

- Compact habit is easier to ship and shows better at retail.
- Blooms 4 to 6 weeks earlier than other Heliopsis and stays in flower all Summer.
- Produces full 1-gal. containers with more plants per rack and lower input costs.

HELIOPSIS 
(FALSE SUNFLOWER)

Heliopsis helianthoides

DARWIN PERENNIALS

SUMMER ECLIPSE



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: June to September

USDA Hardiness Zones: 4b to 9a

- Wonderful addition to any sunny landscape.
- The dark burgundy-green foliage is topped with orange and yellow bicolor flowers.
- Will bloom from early Summer until Fall.

The best compact
Heliopsis of its type!

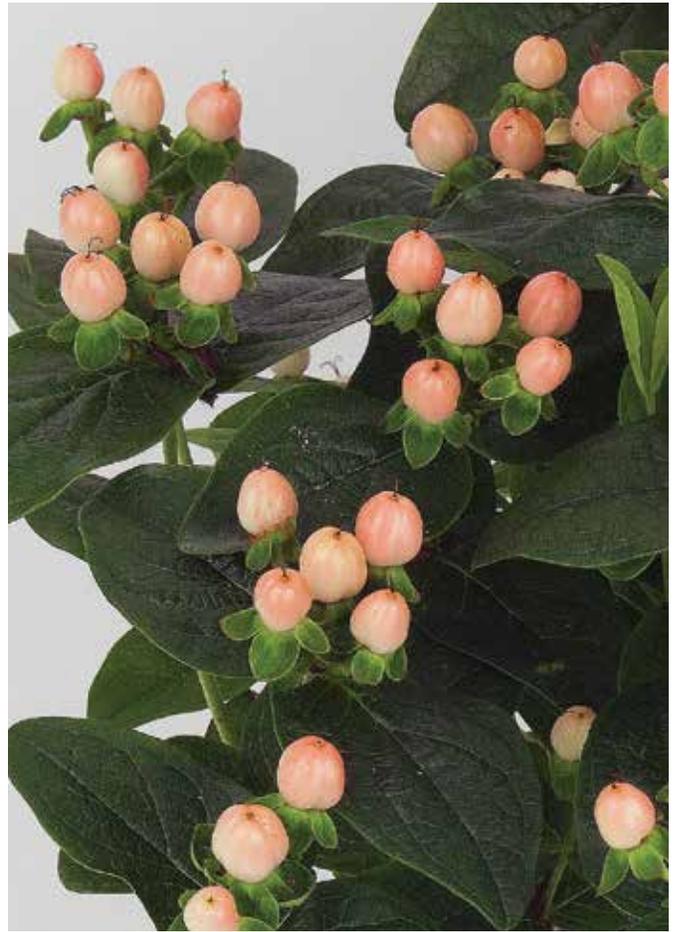


HELIOPSIS SUMMER ECLIPSE





Hypericum Miracle Grandeur



Hypericum Miracle Horizon



Hypericum Miracle Primo



Hypericum calycinum

HEDERA 
(ENGLISH IVY)
Hedera helix

ENGLISH

Height: 4 to 6 in. (10 to 15 cm)
USDA Hardiness Zones: 5a to 10b
 Large, semi-evergreen leaves, bright to dark green.

'THORNDALE'

Height: 3 to 5 in. (8 to 13 cm)
USDA Hardiness Zones: 5a to 9b
 Purple-green stems; large, dark green leaves with light veins that turn white in Winter.

HYPERICUM 
(ST. JOHN'S WORT)
Hypericum calycinum

Height: 15 to 18 in. (38 to 46 cm)
Bloom Months: May to July
USDA Hardiness Zones: 5a to 9b
 Long, blue-green leaves with wide, solitary, bright golden yellow flowers.

HYPERICUM 
(ST. JOHN'S WORT)
Hypericum inodorum

FLORIUS PLANTS BY
MIRACLE SERIES 

Height: 28 to 32 in. (71 to 81 cm)
Bloom Months: June to July
USDA Hardiness Zones: 6a to 9b

A series known for striking, ornamental berries. Plants are graced with bright yellow flowers during the Summer months and with berries that attract birds and other wildlife in late-Summer through Fall. Miracle Night has deep green foliage that blushes to red. All other varieties have dark green foliage.

Grandeur 'Allgrandeur' PP27,125
Horizon 'ALLBLOMMOS' PP28,118
Primo 'Allprimo' PP28,011

HEUCHERA (CORAL BELLS)

Heuchera x hybrida

DARWIN PERENNIALS

CARNIVAL SERIES

Available as tissue culture-raised liners

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

Bloom Months: April to May

USDA Hardiness Zones: 4a to 9b

- Incredible color assortment of well-matched varieties with distinct leaf venation.
- Hybrid varieties have *H. villosa* parentage for excellent heat tolerance and better garden performance.
- Series is great for 1-gal. programs and shade mixed containers.
- Mounding habits are also brilliant in shade landscapes.
- Carnival tissue culture-raised liners finish more quickly and uniformly.

'Carnival Black Olive'

'Carnival Burgundy Blast'

Burgundy-red color. PP34,038

TOP SELLER

'Carnival Cinnamon Stick'

Copper shades. PP33,991

'Carnival Cocomint' PP24,927

'Carnival Coffee Bean' PP24,943

'Carnival Fall Festival'

'Carnival Limeade' PP24,899

'Carnival Peach Parfait' PP24,928

'Carnival Plum Crazy' PP24,771

TOP SELLER

'Carnival Rose Granita'

TOP SELLER

'Carnival Watermelon' PP24,803



'Carnival Black Olive'



'Carnival Burgundy Blast'



TOP SELLER

'Carnival Cinnamon Stick'



'Carnival Cocomint'



'Carnival Coffee Bean'



'Carnival Fall Festival'



'Carnival Limeade'



'Carnival Peach Parfait'



'Carnival Plum Crazy'



TOP SELLER

'Carnival Rose Granita'



TOP SELLER

'Carnival Watermelon'

Finally – outstanding, bright Heuchera that are well-matched and affordable!

HEUCHERA 'BIG TOP CARAMEL APPLE'

HEUCHERA ●●●
(CORAL BELLS)

Heuchera x villosa

DARWIN PERENNIALS

'BIG TOP
CARAMEL APPLE'



Available as tissue
culture-raised liners

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

Bloom Months: April to May

USDA Hardiness Zones: 4a to 9a

PP34,039

- New leaves emerge red-burgundy and mature to a caramel color.
- Significantly larger than the Carnival series.
- Plants size up nicely in the landscape.
- Prefers shade to part sun; can handle full sun in northern climates.
- Foliage is rabbit resistant.

Large Heuchera delivers
big performance and
amazing color!



KNIPHOFIA
(RED-HOT POKER)

Kniphofia uvaria

DARWIN PERENNIALS

GLOWSTICK



FirstYearFloweringTool.com
for easy scheduling

Available as an unrooted cutting

Height: 26 to 29 in. (66 to 74 cm)

Bloom Months: July to November

USDA Hardiness Zones: 6a to 9b

'KLEKN22193' PPAF

- Easy-to-produce variety is available as an unrooted cutting, allowing growers a different input option not typically seen on the market!
- Abundance of bright yellow, nectar-rich flower spikes attracts pollinators.
- This season-extender blooms Summer through Fall.
- When not in bloom, the finely textured foliage resembles an ornamental grass for greater consumer appeal.

Versatile Glowstick
makes a bold statement
in the garden.



KNIPHOFIA GLOWSTICK



IBERIS 'SUMMER SNOWDRIFT'

IBERIS 
(CANDYTUFT)
Iberis hybrid

DARWIN PERENNIALS
'SUMMER SNOWDRIFT'

 FirstYearFloweringTool.com
for easy scheduling

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: May to October
USDA Hardiness Zones: 6b to 9a
PP30.713

- No vernalization needed for flowering.
- Extend the Iberis selling window in the South.
- Use as an alternative to Lobularia in mixed containers.
- High heat tolerance.
- Tender perennial in the South, great annual in the North.

Pure white flowers have an extremely long flowering window for a longer selling season.



Bloom Months											
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.

IBERIS ●
(EVERGREEN CANDYTUFT)

Iberis sempervirens

DARWIN PERENNIALS
'SNOWSATION'

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: February to April
USDA Hardiness Zones: 4a to 9a
PP29.637

- Plants flower uniformly and branch freely.
- Well-recognized by gardeners and will attract their attention in the garden center.
- Selected for its mid-season flowering and excellent branching.

The largest flowers of any compact Iberis!



TOP SELLER

IBERIS 'SNOWSATION'



Bloom Months											
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.



Iberis 'Alexander's White'



Lamiastrum 'Variegatum'



Lamium 'Beacon Silver'



Lamium 'Orchid Frost'



Lamium 'Purple Dragon'



Lamium 'Red Nancy'



Lamium 'Shell Pink'



Lamium 'White Nancy'

IBERIS ●
(EVERGREEN
CANDYTUFT)

Iberis sempervirens

'ALEXANDER'S WHITE'

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

Deep green, evergreen foliage is covered by dense, pure white flowers in Spring.

'PURITY'

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

Low-growing, evergreen shrub with deep green foliage and abundant, white blooms.

LAMIASTRUM ●●
(YELLOW ARCHANGEL)

Lamiastrum galeobdolon

'HERMAN'S PRIDE' ☹

Height: 6 in. (15 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 9b

Trailing habit of green and silver leaves with yellow flowers.

'VARIEGATUM' ☹

Height: 12 in. (30 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 8b

Silver-spotted foliage with yellow flowers in Spring.

LAMIUM ●●
(SPOTTED DEADNETTLE)

Lamium maculatum

'ANNE GREENAWAY' ☹

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 9b

Mixture of green, silver and chartreuse leaves turn mauve in Spring.

'BEACON SILVER' ☹

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 9b

Trailing, mounded variety has silver leaves edged in green with pink-purple flowers.

PLANTHAVEN INT'L, INC.
'ORCHID FROST' ☹

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 9b

Low-maintenance garden performer features orchid-pink flowers that rebloom in Fall; good resistance to leaf spots.

'PINK PEWTER' ☹

Height: 4 to 8 in. (10 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 9b

Beautifully variegated leaves and long-blooming, soft pink flowers.

HORTECH, INC.

'PURPLE DRAGON' ☹

Height: 4 to 8 in. (10 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 9b
PP15.890

Snapdragon-like flowers with rich purple spikes that contrast with bright silvery foliage; robust habit.

'RED NANCY' ☹

Height: 8 to 12 in. (20 to 30 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 8b

Beautifully variegated leaves and long-blooming flowers brighten shaded gardens and Summer containers. Superb groundcover beneath trees or shrubs, especially when combined with Spring-flowering bulbs. Attractive at garden's edge or along walkways.

'SHELL PINK' ☹

Height: 8 in. (20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 8b

Soft pink flowers – excellent for shaded borders or containers.

'WHITE NANCY' ☹

Height: 6 in. (15 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 9b

Fast-growing groundcover with silver and green variegated foliage and pure white flowers.



Lavandula
'Anouk',
pg 70

LAVENDER

Extend Your Growing Season with Lavender

Spring into the Season with Spanish Lavender

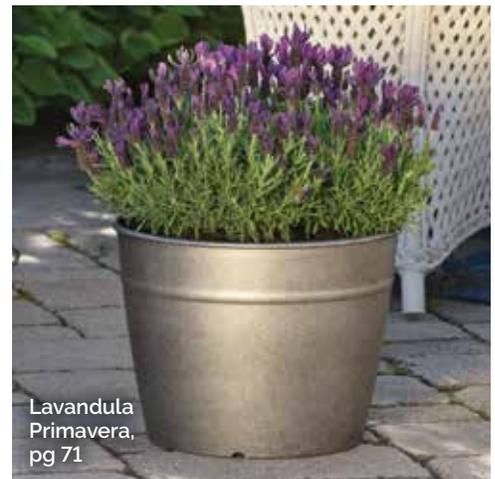
Kick off your Lavender season in early Spring with Spanish Lavender varieties, such as the Anouk series, which is hardy to Zone 6. These tender Mediterranean natives bloom under short days and generally require cool treatment to flower. Spanish Lavender are known for their sweet, piney scent and pineapple-shaped flowers with colorful flags, ranging from white to deep purple. They perform very well in landscapes, although this class generally cycles out of flower in the Summer heat.

Lavender Primavera, the All-Season Performer

An exception in the Spanish Lavender class is Lavender Primavera. It does not require cool treatment to flower and offers strong performance well into Summer! It features Spanish Lavender characteristics as a tender perennial with Zone 7 hardiness, while displaying showy purple bracts. With this season extender, growers and retailers can offer a versatile Spanish Lavender for Fall programs, Christmas and Valentine's Day.

English Lavenders, for Warmer Days

As days get warmer and longer, transition your Lavender program to English Lavenders, such as 'SuperBlue' and 'Annet.' These angustifolia types cover your traditional, sweetly scented Lavender needs with the classic flower form used for potpourri. Most English Lavender are first-year-flowering perennials, making it easy to schedule for targeted sales dates. Though some will cycle out of flower in the southern Summer heat, many of these Zone 5-hardy varieties flower all season in most North American regions, making them outstanding landscape plants.



Lavandula
Primavera,
pg 71



Lavandula
'SuperBlue',
pg 67



Lavandula 'Annet'

LAVANDULA (ENGLISH LAVENDER)

Lavandula angustifolia

DARWIN PERENNIALS

'ANNET'



 FirstYearFloweringTool.com for easy scheduling

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: April to September
USDA Hardiness Zones: 5a to 9a
 CPBR5107; PP28.867

Long-flowering English Lavender offers stiff, upright stems for no breakage at shipping.

- Holds up to shipping and remains healthy at retail.
- No vernalization required.
- Large flowers throughout the heat of Summer.
- An excellent addition for bouquets.
- Ideal for 2.5-qt. and 2-gal. pot sizes, as well as 3-qt. drop-in.



TOP SELLER
 Lavandula 'SuperBlue'

DARWIN PERENNIALS

'SUPERBLUE'



 FirstYearFloweringTool.com for easy scheduling

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: April to September
USDA Hardiness Zones: 5a to 8b
 'SuperBlue' (EU: Balavurlu) PP24.929

TOP SELLER Excellent performer, boasts the biggest blooms!

- Rich blue blooms on short flower spikes.
- Less gapping among spikes for more color impact.
- Excellent Winter hardiness and landscape performance.

BETTER VERSIONS
 by Darwin Perennials

'SuperBlue' is better than Hidcote because of bigger blooms and better habit in the landscape.



Lavandula 'Blue Cushion'



Lavandula 'Big Time Blue'



Lavandula 'Munstead'



Lavandula 'Hidcote'

LAVANDULA ●
(ENGLISH LAVENDER)

Lavandula angustifolia

CONCEPT PLANTS, B.V.

'BIG TIME BLUE' 🚫

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: May to August
USDA Hardiness Zones: 5a to 9b

'Armtipp01' PP24,827

Early-blooming variety has silver-gray foliage and mid-blue flowers.

MUST HAVE PERENNIALS 

'BLUE CUSHION' 🚫

Height: 16 in. (41 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b

Spectacular dwarf habit and free-flowering performance with deep blue flowers and gray-green, evergreen foliage.

'HIDCOTE' 🚫

Height: 20 to 22 in. (51 to 56 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b

More compact than others in the species, with deep blue flowers.

'MUNSTEAD' 🚫

Height: 16 in. (41 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b

Compact and upright, with narrow foliage and lavender-blue flower spikes.

MOMPARLER ALBORS

'PLATINUM BLONDE™' 🚫

Height: 16 to 24 in. (41 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 6a to 9b

'Momparter' PP23,834

Vigorous grower has green and yellow stable variegation and striking purple blooms.

PLATINUM BLONDE is a U.S. trademark of Momparter Albors.

'VERA' 🚫

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b

Long, broad, silver-green leaves and lavender flowers in Summer.

LAVANDULA ●
(FRENCH LAVENDER)

Lavandula dentata

Height: 28 in. (71 cm)
Bloom Months: June to August
USDA Hardiness Zones: 8a to 9b

French Lavender is a tender perennial that prefers a sunny location with well-drained soils. Also makes an excellent fragrant patio container in colder climates.



Lavandula 'Vera'



Lavandula dentata



Lavandula 'Grosso'



Lavandula 'Provence'



Lavandula 'Otto Quast'



Lavandula 'Goodwin Creek Grey'



Lavandula Phenomenal

LAVANDULA ●
(LAVENDER)

Lavandula intermedia

'GROSSO'



Height: 18 to 22 in. (46 to 56 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 7b

Fragrant and wonderful addition to scent gardens.

'PROVENCE'



Height: 30 in. (76 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b

Fragrant, light purple florets atop gray-green, evergreen leaves.

LAVANDULA ●
(FERNLEAF LAVENDER) ●



Lavandula pinnata

Height: 24 in. (61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 9a to 11

Tender perennial has a shrub-like habit with gray-green leaves and large, blue-purple flower spikes.

LAVANDULA ●
(SPANISH LAVENDER)

Lavandula stoechas

'OTTO QUAST'



Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: June to August
USDA Hardiness Zones: 7a to 7b

Tender perennial with large, two-tone flowers and silvery foliage; upright habit.

LAVANDULA ●
(LAVENDER)

Lavandula x ginginsii

'GOODWIN CREEK GREY'



Height: 12 to 36 in. (30 to 91 cm)
Bloom Months: June to August
USDA Hardiness Zones: 7a to 10b

Tender perennial has small, intense purple flowers on long wands.

LAVANDULA ●
(LAVENDER)

Lavandula x intermedia

B & S PLANTS, LLC

PHENOMENAL®



Height: 24 to 32 in. (61 to 81 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b
'Niko' PP24,193

Strong, disease-resistant, silver foliage. Long, purple flower spikes in Summer. Overwinters well.

PHENOMENAL is a U.S. trademark of B & S Plants, LLC.

LAVANDULA (SPANISH LAVENDER)

Lavandula stoechas

DARWIN PERENNIALS

ANOUK SERIES

Height: 14 to 18 in. (36 to 46 cm)
Bloom Months: March to July
USDA Hardiness Zones: 6a to 9b

- Reblooming Spanish Lavenders have excellent weather tolerance and retail shelf life.
- High resistance to foliar disease.

'Anouk' Dark violet flower spikes topped by clear purple flags. CPBR3299; PP16,685

Anouk Supreme Flowers one week earlier than 'Anouk'. 'Anouk Deluxe 901' CPBR5618; PP26,495

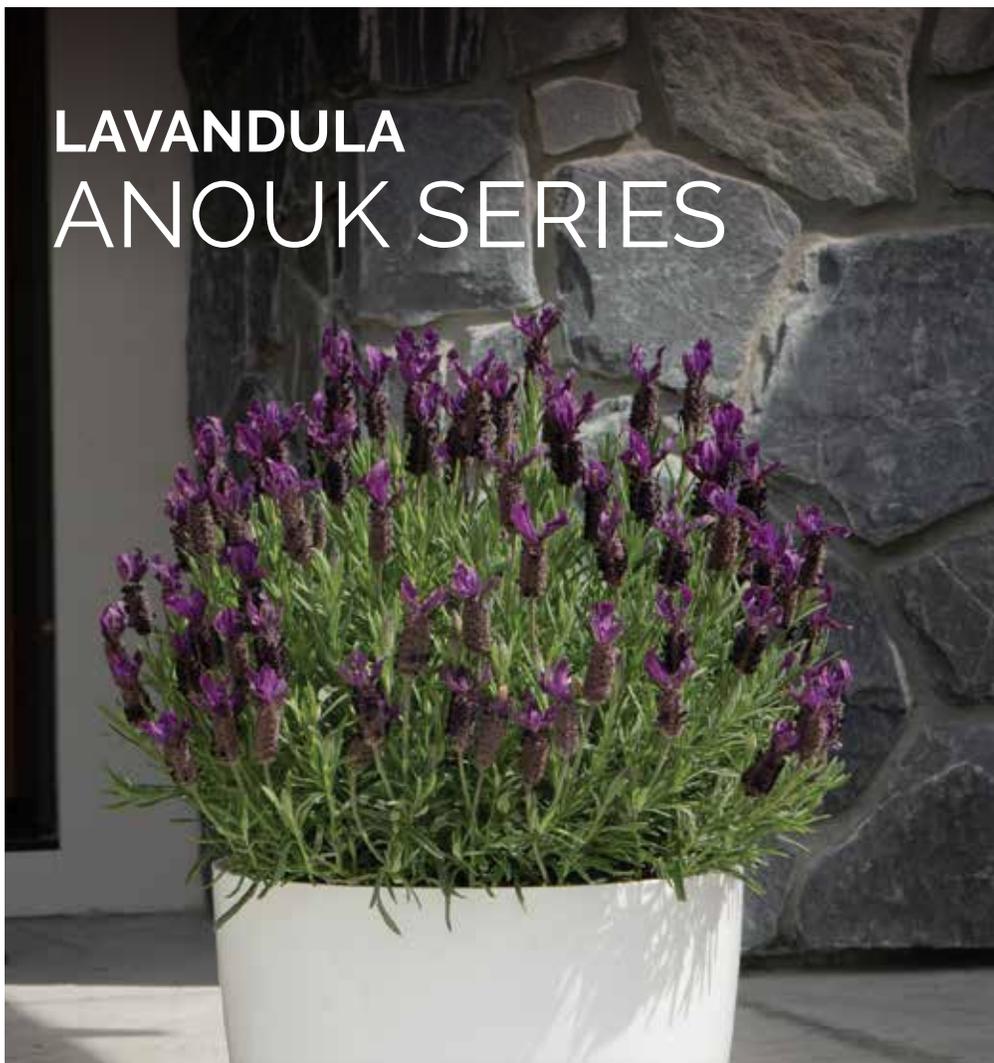
Deep Rose Deep rose flags on lavender-rose flowers. 'Anouk Deluxe 179' CPBR5616; PP26,493

Double Anouk Double lavender flags on purple flowers. 'Anouk Deluxe 1205' CPBR6174; PP28,264

NEW Purple Medley Larger and more flowers than standard Anouk varieties with the same great plant performance. Ideal for the typical Spanish Lavender season. 'Anouk Deluxe 1939' PPAF

'Silver Anouk' Compact and upright with narrow, blue-silver foliage. CPBR4449; PP20,068

NEW Twilight Dark violet flower spikes topped by clear purple flags. 'Anouk Deluxe 16054' PPAF



Twilight

Outstanding in containers and landscapes.



'Anouk'



Anouk Supreme



Deep Rose



Double Anouk

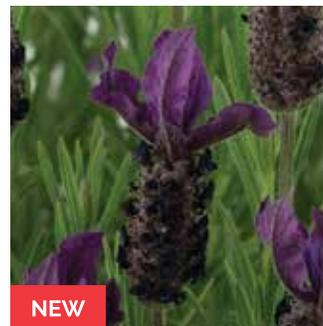


NEW

Purple Medley



'Silver Anouk'



NEW

Twilight

TOP SELLER

LAVANDULA PRIMAVERA

LAVANDULA ●
(SPANISH LAVENDER)
Lavandula stoechas

DARWIN PERENNIALS
PRIMAVERA

 FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: Year round depending on location

USDA Hardiness Zones: 7a to 9a

'Anouk Deluxe 1225' CPBRAf; PP33,269

- Can be programmed for very early flowering for markets in the Deep South or for Summer sales in the North.
- The most versatile of Spanish Lavender varieties.

This Spanish Lavender flowers throughout Summer and Winter to extend the Spanish Lavender season!



Bloom Months											
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
		Traditional Spanish Lavender									
Darwin Perennials Lavender Primavera											

LEUCANTHEMUM 
(SHASTA DAISY)

Leucanthemum x superbum

DARWIN PERENNIALS

'WHITECAP'



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: March to October

USDA Hardiness Zones: 5a to 9a

PP33,605

- Classic "Shasta Daisy" look with complete flower coverage for high impact at retail.
- Early-to-flower, compact, sturdy plants for an extended shelf life.

An improvement over 'Snowcap' – flowering two weeks earlier, more compact and first-year-flowering!



LEUCANTHEMUM 'WHITECAP'





Leucanthemum 'Cream Puff'

LEUCANTHEMUM ●
(SHASTA DAISY)

Leucanthemum x superbum

WALTERS GARDENS



'CREAM PUFF'

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 9b
PP30,074

Lemon yellow buds open to cream flowers. A compact, dome-shaped habit steals the show in early to mid-Summer.



Leucanthemum 'Whoops A Daisy'

WALTERS GARDENS



'WHOOPS A DAISY'

Height: 15 in. (38 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 9b
PP27,259

Improvement over 'Snowcap'; better flower coverage, fuller blossoms and a more compact, uniform habit. Forms an exceptionally dense, rounded, ball-shaped mound of dark green foliage blanketed by large, 3 to 4-in. (8 to 10-cm), white flowers with gold centers. Blooms without vernalization. Suitable for containers.



Leucanthemum 'Seventh Heaven'



Leucanthemum Sunshine Freak!



Leucanthemum 'Becky'



Leucanthemum Freak!



Leucanthemum 'Ice Cream Dream'

LEUCANTHEMUM ●
(SHASTA DAISY)
Leucanthemum

WALTERS GARDENS 
'SEVENTH HEAVEN'

Height: 22 in. (56 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 9b
PPAF

Lemon-yellow buds open to substantial 4-in. (10-cm), creamy white flowers. Very full blooms have multiple layers of petals.

MUST HAVE PERENNIALS 
SUNSHINE FREAK!

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: April to August
USDA Hardiness Zones: 5a to 8b
'LEUZ0007' PPAF

Cheerful, light yellow daisy flowers lighten as they mature from cream yellow to white. Creates an interesting multi-colored display as plants bloom throughout the season.

LEUCANTHEMUM ●
(SHASTA DAISY)
Leucanthemum x superbum

'BECKY'

Height: 36 in. (91 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b

Big, single, white flowers and shiny, deep green foliage.

MUST HAVE PERENNIALS 
FREAK!®

Height: 13 in. (33 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b
'LEUZ0001' PP23,426

Fluffy-looking flowers on compact, well-branched plants make a real garden showstopper.

FREAK! is a U.S. registered trademark of Syngenta Participations AG.

WALTERS GARDENS 
'ICE CREAM DREAM'

Height: 12 in. (30 cm)
Bloom Months: July to August
USDA Hardiness Zones: 5a to 9b
PP34,053

Intense yellow buds open cream and expand to be near white, fully double, pompom-like flowers with small yellow centers. The flowers are 2.5 to 3 in. (6 to 8 cm) wide and totally cover the compact habit of dark green foliage.

FLORENSIS, B.V. 
OOH LA™ SERIES

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9a

Series features compact, dark green leaves and it flowers well, even in the first season! Ideal for borders, rock gardens and containers.

'LaCrosse' Unique, trumpet-shaped, white petals.
'LaSpider' Height: 12 to 14 in. (30 to 36 cm) Makes a fun, frilly statement in beds and containers. Attractive, semi-double flowers and fringed flower petals.



Leucanthemum Ooh La 'LaCrosse'



Leucanthemum Ooh La 'LaSpider'



Leucanthemum 'Santé'



Leucanthemum 'White Magic'



Leucanthemum 'Spoonful of Sugar'

DARWIN PERENNIALS
'SANTÉ'

Height: 22 to 26 in. (56 to 66 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b
PP19,829

Impressively hardy variety of a perennial garden classic!

- Double, pure white flowers with yellow centers.
- Strong stems make an excellent cut flower.
- Upright habit.

'SNOWCAP'

Height: 14 to 18 in. (36 to 46 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b

Compact, single, white Shasta Daisy flowers on exceptionally uniform plants.

ALTMAN SPECIALTY PLANTS, INC.
SPELLBOOK® LUMOS

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: April to August
USDA Hardiness Zones: 5a to 9b
'BL14007' PP28,350

Fade-resistant, true yellow flowers. Blooms wonderfully without vernalization.

SPELLBOOK is a U.S. registered trademark of Altman Specialty Plants, Inc.

WALTERS GARDENS 
'SPOONFUL OF SUGAR'

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 9b
PP28,760

Boasts an enormous flower size and an incredibly compact, dome-like habit. These 4.5-in. (11-cm), creamy-white flowers have two rows of very long petals that are held tight against the attractive, dark green foliage. A free-flowering variety.

DARWIN PERENNIALS
'WHITE MAGIC'

 **FirstYearFloweringTool.com**
for easy scheduling

Height: 20 to 24 in. (51 to 61 cm)
Bloom Months: May to August
USDA Hardiness Zones: 5b to 9b
PP29,737

Large, semi-double, white flowers have a very long blooming season.

- Bred and selected for an extended flowering window.
- No deadheading is required for reblooming.



Lithodora 'White Star'



Lychnis Petite Jenny



Lithodora 'Grace Ward'



Lithodora 'Heavenly Blue'

LITHODORA  
(TRAILING LITHODORA)
Lithodora diffusa

'GRACE WARD'

Height: 8 to 12 in. (20 to 30 cm)
Bloom Months: March to April
USDA Hardiness Zones: 6a to 8b

Low-growing, trailing habit with glossy green, mat-forming leaves and intense blue flowers at the ends of lateral stems in early Spring.

'HEAVENLY BLUE'

Height: 8 to 12 in. (20 to 30 cm)
Bloom Months: March to April
USDA Hardiness Zones: 6a to 8b

Low-growing, spreading variety with small, mid-blue flowers and evergreen foliage in warm climates.

MUST HAVE PERENNIALS 
'WHITE STAR'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: May to June
USDA Hardiness Zones: 6a to 8b
 PP20,078

Neat, compact, bright green cushions with white-striped, bright blue flowers.

LYCHNIS 
(RAGGED ROBIN)
Lychnis flos-cuculi

MUST HAVE PERENNIALS 
PETITE JENNY  

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: May to June
USDA Hardiness Zones: 5a to 7b
 'Lychjenpet' PP27,495

Double-flowered dwarf variety forms compact, bushy clumps with masses of soft lavender-pink blooms.

LYSIMACHIA  
(LYSIMACHIA, MONEYWORT)
Lysimachia nummularia

'GOLDILOCKS'

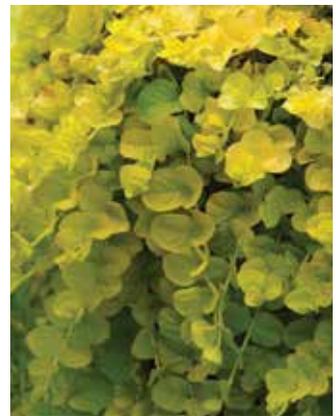
Height: 2 to 4 in. (5 to 10 cm)
USDA Hardiness Zones: 3a to 10b
 Trailing habit and golden foliage are beautiful in mixed containers.

LYSIMACHIA  
(LOOSESTRIFE)
Lysimachia punctata

PLANTHAVEN INT'L, INC.
'ALEXANDER'

Height: 24 in. (61 cm)
Bloom Months: August to September
USDA Hardiness Zones: 4a to 9b

Bright golden flowers on upright stems with variegated cream and green leaves.



Lysimachia 'Goldilocks'



Lysimachia 'Alexander'

LYSIMACHIA 'NIGHT LIGHT'

LYSIMACHIA (MONEYWORT)
Lysimachia alfredii

DARWIN PERENNIALS
'NIGHT LIGHT'

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: Year round, depending on location
USDA Hardiness Zones: 5a to 9a
PP33,931

- Provides a colorful mound of attractive foliage and bright yellow flowers.
- 'Night Light' brightens up shade gardens.
- Foliage turns burgundy in the shade.
- Offers continuous flowering from Spring until hard frost in Fall.



Shade-loving, flowering groundcover.

MONARDA



Monarda Height Comparisons

Monarda didyma



Monarda
BeeMine™ Red

MONARDA BEEMINE™

MONARDA 
(BEE BALM, BERGAMOT)
Monarda didyma

DARWIN PERENNIALS
BEEMINE™ SERIES 

 FirstYearFloweringTool.com
for easy scheduling

Height: 15 to 18 in. (38 to 46 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9a

- High disease resistance to mildew.
- Deer and rabbit resistant.
- Uniform first year flowering.

Lavender 'Balbeemav' PP33,915

Pink 'Balbeemin' PP33,916

Red 'Balbeemed' PP33,917

Excellent early-flowering,
medium-height Monarda.



Lavender (also pictured left)



Pink



Red

MONARDA 
(BEE BALM, BERGAMOT)
Monarda didyma

DARWIN PERENNIALS
BALMY™ SERIES 

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b

- True, uniform series is tops in powdery mildew resistance.
- Full, compact plants with strong, bold color.
- Free-flowering varieties attract attention at retail.
- Deer and rabbit resistant.
- Native to North America, a favorite nectar source of bees and butterflies.

Lilac 'Balbalmac' PP26,594

Pink 'Balbalmink' PP26,566

TOP SELLER Purple

'Balbalmurp' PP25,561

Rose 'Balbalmos366'



Pink

Pollinator power! Native cultivars to North America, with heat and drought tolerance.



Lilac



Pink



TOP SELLER
Purple



Rose



Monarda Sugar Buzz 'Berry Taffy'



Monarda Sugar Buzz 'Blue Moon'



Monarda Sugar Buzz 'Bubblegum Blast'



Monarda Sugar Buzz 'Cherry Pops'

TOP SELLER



Monarda Sugar Buzz 'Grape Gumball'



Monarda Sugar Buzz 'Pink Frosting'



Monarda Sugar Buzz 'Rockin' Raspberry'



Monarda 'Jacob Cline'

WALTERS GARDENS



**SUGAR BUZZ®
SERIES**

Height: 14 to 24 in. (36 to 61 cm)
Bloom Months: July to August
USDA Hardiness Zones: 4a to 8b

Well-suited to the middle of the flower border. All colors in this series are similar in size, bloom time and vigor, making them easy for growers to schedule. These vigorous cultivars will fill out a container nicely with their dark green, mildew-resistant foliage, but won't overrun the garden.

'Berry Taffy' Raspberry-pink flowers with bronze-colored bracts. Newest foliage is notably dark. PP34,715

'Blue Moon' Lavender-blue flowers are held by attractive, purple bracts. A breakthrough shorter height for this color. PP29,549

'Bubblegum Blast' Hot pink flowers. PP27,497

TOP SELLER 'Cherry Pops' Cherry-red flowers. PP27,618

'Grape Gumball' Vibrant magenta flowers. PP27,498

'Pink Frosting' Pastel pink flowers form a carpet of blossoms that completely cover the foliage. PP29,548

'Rockin' Raspberry' Deep raspberry-purple flowers. PP28,752

SUGAR BUZZ is a registered U.S. trademark of Walters Gardens.

'JACOB CLINE'



Height: 48 in. (122 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b

Fire-red, tubular blooms stand out in the garden.

MUEHLENBECKIA (MAIDENHAIR VINE)

Muehlenbeckia axillaris

'NANA'

Height: 3 in. (8 cm)
Bloom Months: May to July
USDA Hardiness Zones: 6a to 10b

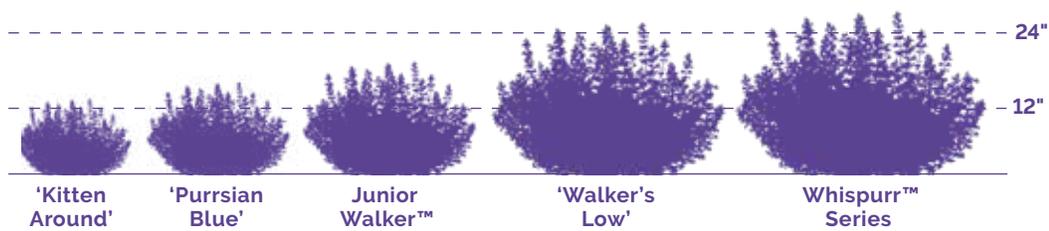
Bright green, rounded leaves on burgundy-green stems with tiny, yellow-green flowers.

NEPETA



Nepeta Height Comparisons

Nepeta x faassenii



Nepeta
Junior Walker™

NEPETA WHISPURR™

NEPETA 
(CATMINT)
Nepeta x faassenii

DARWIN PERENNIALS
WHISPURR™
SERIES  

 FirstYearFloweringTool.com
for easy scheduling

Height: 24 to 28 in. (61 to 71 cm)
Bloom Months: April to September
USDA Hardiness Zones: 4a to 9a

- Features large flower plumes on robust plants.
- Foliage has a minty fragrance.
- Very popular with pollinators.

Blue 'Balpurllu' PP33,042

Pink 'Balpurrink' PP33,184

Excellent landscape plant with long blooming season from Spring through Summer.



Blue



Pink (also pictured left)

NEPETA 
(CATMINT)
Nepeta

WALTERS GARDENS
NEW FOR 2024



'CHARTREUSE
ON THE LOOSE'



Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 8b
PPAF

Foliage-forward Catmint has bright chartreuse leaves that highlight lavender blue flowers. This long-blooming perennial is not bothered by browsing animals. Low maintenance.

NEW

NEPETA 'CHARTREUSE ON THE LOOSE'





Nepeta 'Picture Purrfect'



Nepeta 'Kitten Around'



Nepeta 'Six Hills Giant'



Nepeta 'Blue Wonder'

NEPETA ●
(CATMINT)
Nepeta hybrid

WALTERS GARDENS 
'PICTURE PURRFECT'  

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b
PP34,502

An early blooming Catmint – around two weeks earlier than other *Nepeta x faassenii* types. Blue-purple flowers are noticeably large for this class and are produced on a compact habit.

NEPETA ●
(CATMINT)
Nepeta mussinii

'SIX HILLS GIANT'  
Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: May to October
USDA Hardiness Zones: 4a to 8b

A robust grower with large, blue flowers.

NEPETA ●
(CATMINT)
Nepeta x faassenii

'BLUE WONDER'  

Height: 12 in. (30 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 8b

Dwarf, mounding variety with deep purple-blue flowers and fragrant, gray-green foliage.

'DROPMORE'  
Height: 12 in. (30 cm)
Bloom Months: May to October
USDA Hardiness Zones: 4a to 8b

Silvery, aromatic foliage and blue flowers that bloom long and freely.

WALTERS GARDENS 
'KITTEN AROUND'  
Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 8b
PP30,940

A cute little package of tight, round, aromatic foliage. Bright rosy-purple calyxes hold periwinkle-blue flowers.

PLANT SELECT
LITTLE TRUDY®  

Height: 10 to 14 in. (25 to 36 cm)
Bloom Months: May to October
USDA Hardiness Zones: 4a to 8b
'Psfike' PP18,904

Deep lavender-blue flowers and serrated, narrow, gray-green leaves.

LITTLE TRUDY is a U.S. registered trademark of Plant Select.

'WALKER'S LOW'  
Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 8b

One of the longest-flowering Catmints. Profuse, blue-purple flowers complement fragrant, silver leaves. Compact mounds spread to 24 in. (61 cm) wide.

NEPETA 
(CATMINT)
Nepeta x faassenii

DARWIN PERENNIALS
JUNIOR WALKER™  

 **FirstYearFloweringTool.com**
for easy scheduling

Height: 18 in. (46 cm)
Bloom Months: May to September
USDA Hardiness Zones: 4a to 8b
'Novanepjun' PP23.074

TOP SELLER Abundant flowers in a compact habit!

- More floriferous than some other Nepeta cultivars as extensively trialed by Star® Roses and Plants.
- Lavender-blue flowers with gray-green foliage.
- Uniform flower canopy.

BETTER VERSIONS by Darwin Perennials

Junior Walker is better than Walker's Low because of earlier blooming in the landscape and a better habit that won't lodge open.



TOP SELLER

Nepeta Junior Walker

WALTERS GARDENS 

'PURRSIAN BLUE'  

Height: 14 to 18 in. (36 to 46 cm)
Bloom Months: July
USDA Hardiness Zones: 3a to 8b
PP24.788

TOP SELLER This compact selection forms densely mounded clumps of green, aromatic foliage and nearly doubles its spread in year two. Highly floriferous; periwinkle-blue flowers with dark purple calyxes are produced for months.



TOP SELLER

Nepeta 'Purrsian Blue'

NEPETA PRELUDE™

NEPETA 
(JAPANESE CATMINT)
Nepeta subsessilis

DARWIN PERENNIALS
PRELUDE™ SERIES 

 FirstYearFloweringTool.com
for easy scheduling

Height: 28 to 36 in. (71 to 91 cm)
Bloom Months: March to September
USDA Hardiness Zones: 4a to 9a

- Scales to 3 ft. in the second year.
- Offers pest and disease resistance.
- Features a long flowering season.
- Attracts pollinators with its fragrant foliage.
- Minty fragrance to leaves.
- Ideal for 2.5-qt. and 1-gal. pot sizes.

Blue 'Balneplud' PP31,901

Purple Non-fading, dark purple blooms on an excellent mounding habit. 'Balpreturp' PP33,997



Blue



Purple (pictured left)

Robust plant in the landscape with large flowers and medium controlled habit.



Oenothera 'Evening Sun'

OENOTHERA ●
(MISSOURI EVENING
PRIMROSE)

Oenothera missouriensis

DARWIN PERENNIALS

'EVENING SUN'

 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: March to October
USDA Hardiness Zones: 5a to 9b

PP35,065

Bright yellow flowers create striking displays against silvery green foliage.

- Bright yellow flowers on silvery green foliage attract butterflies, moths and other pollinators.
- Tolerates a wide range of soil types.
- Drought tolerant and low maintenance.

OENOTHERA ●
(EVENING PRIMROSE)

Oenothera berlandieri

'SISKIYOU'



Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b

Neat, compact and floriferous with pink flowers.



Oenothera 'Siskiyou'

PENSTEMON ROCK CANDY®

PENSTEMON ●
(BEARD TONGUE)
Penstemon barbatus

DARWIN PERENNIALS

ROCK CANDY®
SERIES



FirstYearFloweringTool.com
for easy scheduling

Height: 12 in. (30 cm)

Bloom Months: April to September

USDA Hardiness Zones: 5a to 8b

- Bell-shaped blooms on compact flower spikes.
- Plump panicles stand out against green foliage.
- Fits well at the front of a border, along walkways and in containers.
- Hardy to Zone 5.

Blue 'Novapenblu' PP27,786

Light Pink 'Novapenlig' PP27,787

Pink 'Novapenpin' PP26,701

NEW Purple Features a strong purple flower. 'Balrocurp' PPAF

TOP SELLER Ruby

'Novapenrub' PP27,820



Light Pink

Compact varieties bloom in bold colors... "sweet as candy, tough as nails!"



Pink



Blue



NEW

Purple



TOP SELLER

Ruby



Light Pink

PENSTEMON ●
(BEARD TONGUE)

Penstemon digitalis

WALTERS GARDENS



'BLACKBEARD'



Height: 28 to 34 in. (71 to 86 cm)

Bloom Months: July

USDA Hardiness Zones: 3a to 8b

PP30,052

Named for the famous black-bearded pirate, this perennial has incredibly dark, eggplant-purple foliage. Dark purple flower stems hold its lilac-purple flowers with white flaring tubes. Stays strictly upright all season long.



Penstemon 'Blackbeard'

WALTERS GARDENS



'ONYX AND PEARLS'



Height: 42 in. (107 cm)

Bloom Months: July

USDA Hardiness Zones: 3a to 8b

PP32,613

Tall, upright variety gives height to any garden, with creamy-white flowers that contrast beautifully against striking purple foliage. Attracts pollinators; heat and drought tolerant.



Penstemon 'Onyx and Pearls'

PENSTEMON 'CHERRY SPARKS'

PENSTEMON ●
(BEARD TONGUE)

Penstemon hybrida

DARWIN PERENNIALS

'CHERRY SPARKS'



FirstYearFloweringTool.com
for easy scheduling

Height: 18 to 20 in. (46 to 51 cm)

Bloom Months: May to August

USDA Hardiness Zones: 5a to 9b

PP28,869

- Bigger blooms with bright, cherry-red color.
- More heat tolerant and Winter hardy than other varieties.
- Sterile, long-flowering variety, without the unsightly seed heads.



Double the flowering time for longer shipping and selling window, plus more color in the garden.

PENSTEMON ●
(BEARD TONGUE)

Penstemon hybrida

DARWIN PERENNIALS

MISSIONBELLS™
DEEP ROSE



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: June to August

USDA Hardiness Zones: 5a to 9b

'Balmibepro' PP28,852

Fast fill and double the flowering window for extended shipping, selling and seasonal color.

- Makes a bold presentation at retail for great sell-through.
- Loaded with blooms for a spectacular garden show from Spring to Fall.
- Sterile, non-invasive variety with attractive dark stems for contrast.



Penstemon MissionBells Deep Rose

DARWIN PERENNIALS

QUARTZ® SERIES



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: July to August

USDA Hardiness Zones: 6a to 9b

Reblooms throughout the season for high-impact color.

- Sturdy, upright habit.
- Good basal branching.

Amethyst 'Novapenname' PP27,821

Red Vivid orange/red variety is very heat tolerant and long flowering. 'Balquered' PP32,296

Rose 'Novapenos' PP27,919



Penstemon Quartz Amethyst



Penstemon Quartz Amethyst



Penstemon Quartz Red



Penstemon Quartz Rose



Perovskia 'Prime Time'



Perovskia Little Lace



Penstemon
Pike's Peak Purple



Penstemon
Red Rocks



Perovskia atriplicifolia

PENSTEMON ●
(BEARD TONGUE)
Penstemon x mexicali

PLANT SELECT

PIKE'S PEAK PURPLE®

Height: 30 in. (76 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b
'P007S'

Grape jelly-colored flowers with striped throats on a bushy clump of narrow, green leaves.

PIKE'S PEAK PURPLE is a U.S. registered trademark of Plant Select.

PLANT SELECT

RED ROCKS®

Height: 30 in. (76 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b
'P008S'

Bright rose flowers with magenta-veined white throats on an attractive mound of narrow, dark green leaves.

RED ROCKS is a U.S. registered trademark of Plant Select.

PEROVSKIA ●
(RUSSIAN SAGE)
Perovskia

WALTERS GARDENS



'PRIME TIME'

Height: 30 to 36 in. (76 to 91 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b
PP34.304

Early season bloomer with dusky purple calyxes that hold blue flowers. Calyxes remain colorful well into Fall, giving the appearance that the plant is still in bloom after flowering has ended.

PEROVSKIA ●
(RUSSIAN SAGE)
Perovskia atriplicifolia

Height: 36 to 60 in. (91 to 152 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b

Spikes of light blue flowers over aromatic, gray-green foliage. Standard variety Perovskia.

DARWIN PERENNIALS
LITTLE LACE



FYF FirstYearFloweringTool.com
for easy scheduling

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b
'Novaperlac' PP26.618

Long-lasting purple flower spikes create a lot of flower power.

- Unique growth habit combines a shorter plant with great uniformity.
- A good choice for xeric areas.

PEROVSKIA 
(RUSSIAN SAGE)

Perovskia atriplicifolia

DARWIN PERENNIALS

'CRAZYBLUE'  

 **FirstYearFloweringTool.com**
for easy scheduling

Height: 28 to 30 in. (71 to 76 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b
PP25,639

TOP SELLER Excellent garden performance.

- Unique, interlacing branches prevent breakage during shipping.
- Looks good longer at retail and in patio containers.
- Deeper blue flowers than any other Perovskia.



TOP SELLER
Perovskia 'CrazyBlue'

WALTERS GARDENS



'BLUE JEAN BABY'  

Height: 28 to 34 in. (71 to 86 cm)
Bloom Months: August
USDA Hardiness Zones: 4a to 9b
PP29,281

TOP SELLER A shorter, manageable Russian Sage that is still vigorous in the landscape and production. Lavender-blue flowers held in smoky purple calyxes bloom for a long period starting in mid-Summer, with the color from the calyxes extending appeal into Fall.



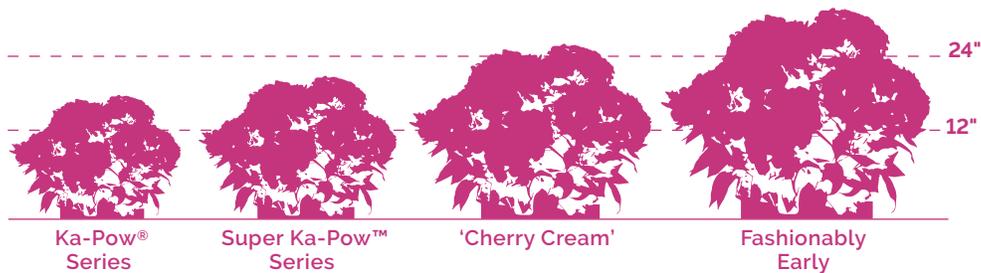
TOP SELLER
Perovskia 'Blue Jean Baby'

PHLOX

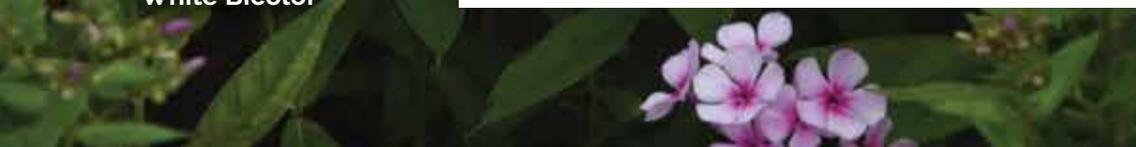


Phlox Height Comparisons

Phlox paniculata



Phlox
Ka-Pow®
White Bicolor



PHLOX 
(HYBRID PHLOX)
Phlox paniculata

DARWIN PERENNIALS
KA-POW® SERIES 

 FirstYearFloweringTool.com
for easy scheduling

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4b to 9a

- Compact *Phlox paniculata* series is well branched and uniform.
- Features vibrant colors and powdery mildew resistance.

Lavender 'Balkapolav' PP30,780

Pink 'Balkapopink' PP30,779

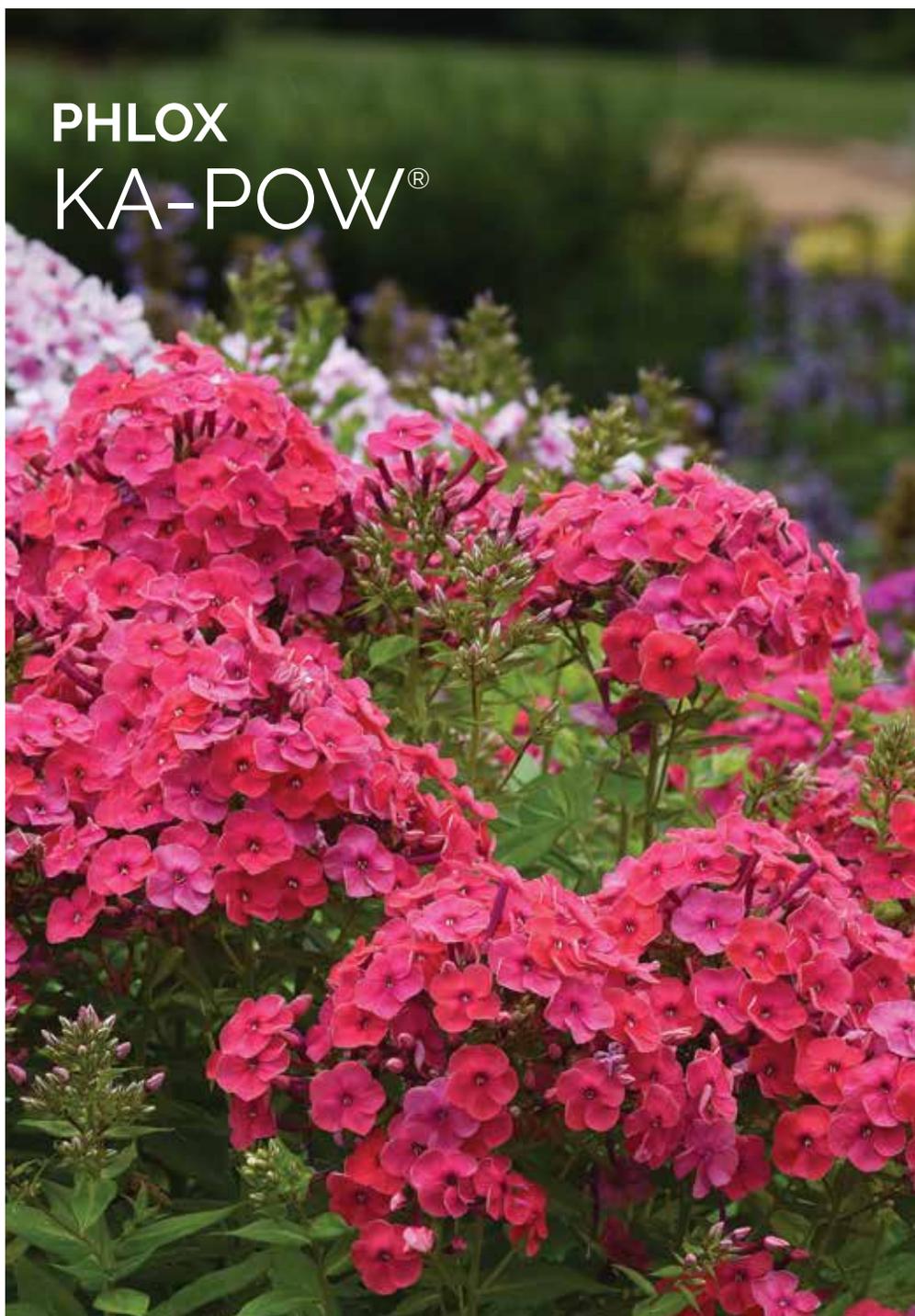
TOP SELLER Purple

'Balkapopur' PP30,781

Soft Pink Clear soft pink color. 'Balkaposin' PP33,770

White Early-flowering, clear white flower with a slight blush-pink center. 'Balkapowi' PP33,023

White Bicolor 'Balkapowibi' PP30,782



PHLOX KA-POW®

Ka-Pow packs a punch!
An abundance of
flowers in late Spring
through Summer.



Lavender

Pink



TOP SELLER

Purple



Soft Pink

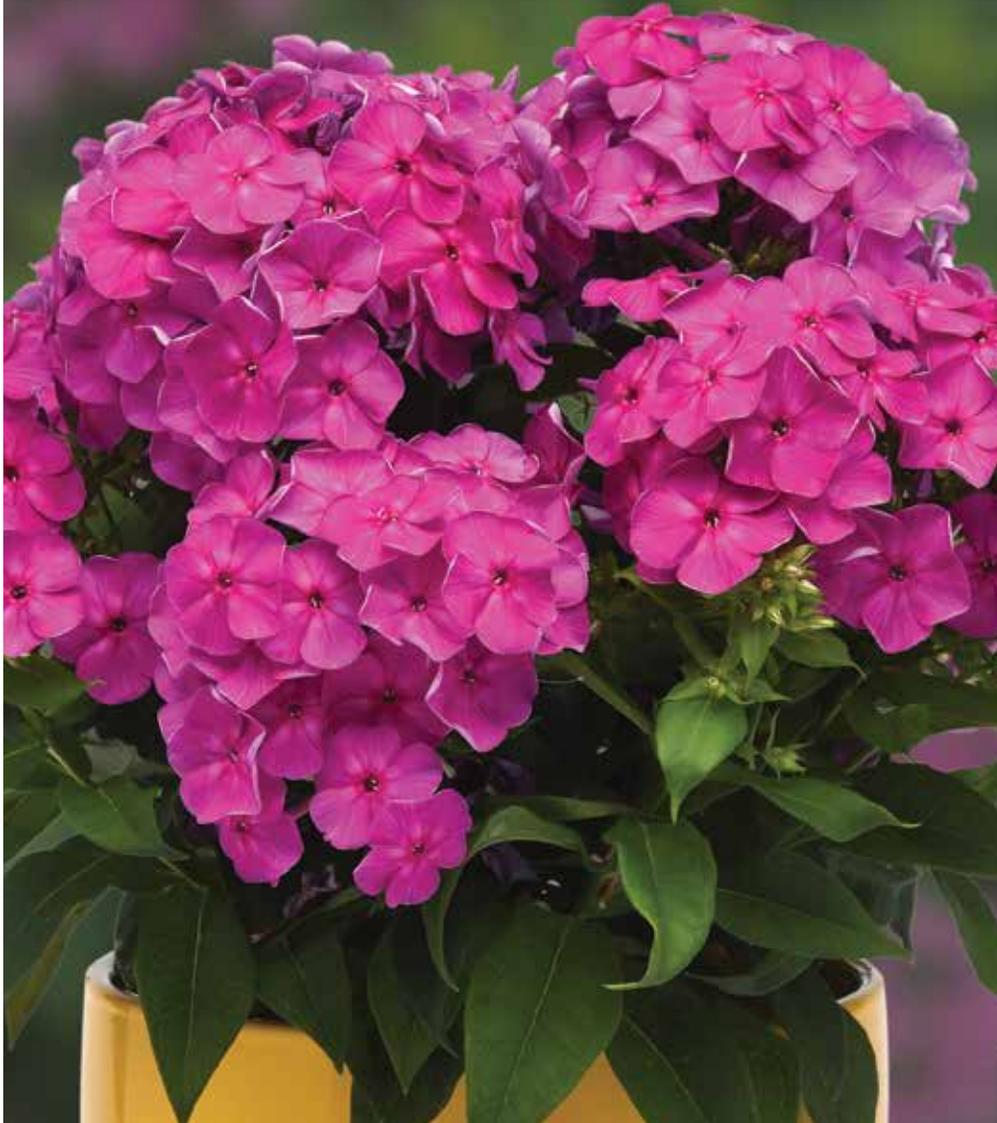


White



White Bicolor

PHLOX SUPER KA-POW™



Lavender

PHLOX ●
(HYBRID PHLOX)
Phlox paniculata

DARWIN PERENNIALS
SUPER KA-POW™
SERIES

 FirstYearFloweringTool.com
for easy scheduling

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4b to 9a

- Robust *Phlox paniculata* series features super-sized blooms, a super-sized habit and better branching than other leading *paniculata* series.
- Features vibrant colors, Winter hardiness and powdery mildew resistance.

Blue 'Balsukalu' PP33,885
Coral 'Balsukaco' PP33,863

TOP SELLER Fuchsia
Bright fuchsia-pink color.
'Balsukafus' PP33,005

Lavender Vibrant lavender flowers. 'Balsukalav' PP33,022

Pink Striking pink blooms.
'Balsukapin' PP33,188

White White flower with a blush-pink eye. 'Balsukawi' PP33,187

These showier plants with shorter crop times can be Spring planted.



Blue



Coral



TOP SELLER

Fuchsia



Pink



White

PHLOX 
(HYBRID PHLOX)
Phlox paniculata

WALTERS GARDENS 

**FASHIONABLY
EARLY SERIES** 

Height: 28 to 36 in. (71 to 91 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 8b

This series of early-blooming hybrid Phlox works well for the middle to back of the border. Exceptional mildew resistance; thick, leathery leaves and a stoloniferous habit. Boasts a long season of color with some reblooming in Fall.

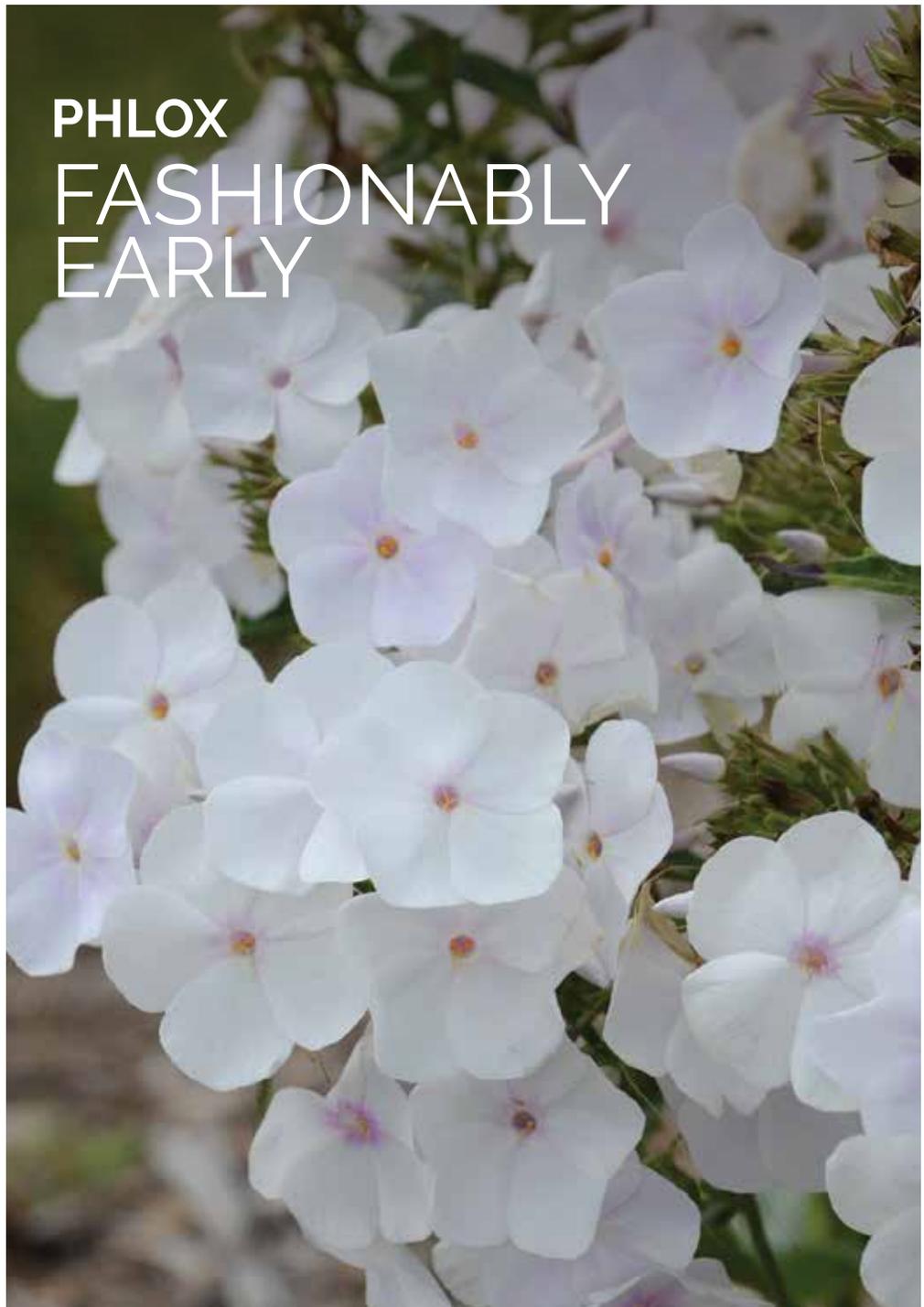
'Fashionably Early Crystal'
(pictured right) Pure white flowers with a faint, light purple eye and broad, dark green foliage. PP28,679

TOP SELLER

'Fashionably Early Flamingo'
Perfectly defined panicles of light lavender-pink flowers with broad, thick, bright green foliage. PP29,911

'Fashionably Early Lavender Ice'
Pale lavender flowers with a lavender-pink eye over narrow, spiky, dark green foliage. PP29,912

'Fashionably Early Princess'
Light fuchsia-pink flowers with a darker pink eye over broad, thick, glossy green foliage. PP28,680



'Fashionably Early Crystal'



'Fashionably Early Crystal'



TOP SELLER

'Fashionably Early Flamingo'



'Fashionably Early Lavender Ice'



'Fashionably Early Princess'

PHLOX GARDEN GIRLS™

PHLOX ●
(HYBRID PHLOX)
Phlox paniculata

WALTERS GARDENS



GARDEN GIRLS™
COLLECTION



Height: Varies by Variety
Bloom Months: July to August
USDA Hardiness Zones: 3a to 8b

Tall garden Phlox collection is topped with large panicles of vibrant-colored flowers. These varieties are powdery mildew resistant. They thrive in the heat and attract pollinators for a big show in gardens and containers.

'Cover Girl' Height: 32 to 42 in. (81 to 107 cm) Upright variety with lavender-violet flowers and medium green foliage. PP32,323

NEW 'Fancy Girl' Height: 24 to 30 in. (61 to 76 cm) Upright stems hold pink blooms with dark eyes for weeks. Foliage is medium green. PPAF

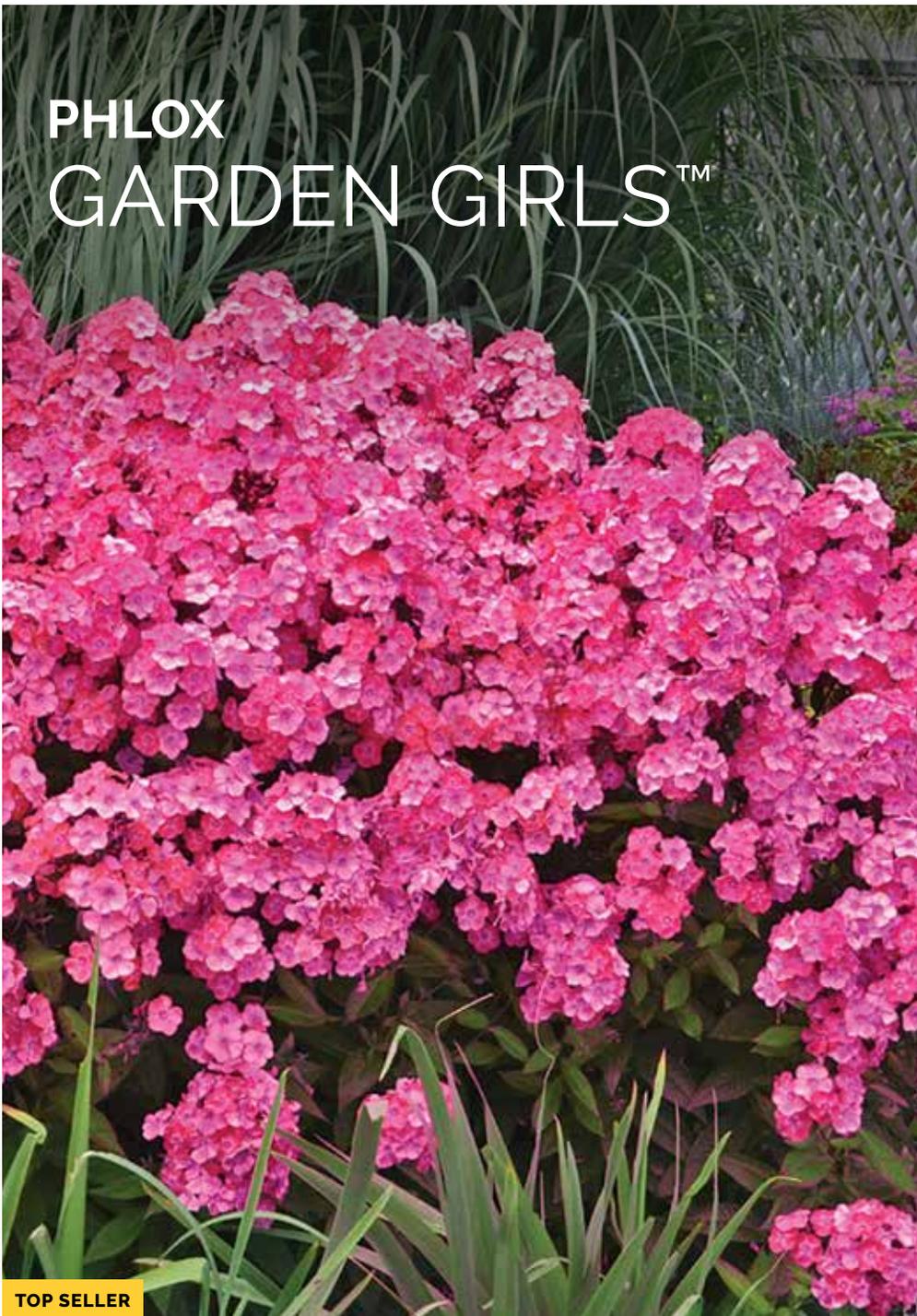
TOP SELLER 'Glamour Girl' Height: 32 to 42 in. (81 to 107 cm) Bright green foliage and hot coral-pink, fragrant flowers on dark stems. PP25,778

NEW 'Material Girl' Height: 36 to 38 in. (91 to 97 cm) Fuchsia-pink flowers are held high on perfectly formed panicles. Foliage is medium green. PPAF

'Party Girl' Height: 28 to 32 in. (71 to 81 cm) Dark green foliage and white flowers with star-shaped, light pink centers. PP32,324

'Uptown Girl' Height: 32 to 42 in. (81 to 107 cm) A rose-pink variety with impressive reblooming. PP32,287

GARDEN GIRLS is a U.S. trademark of Walters Gardens.



TOP SELLER

'Glamour Girl'

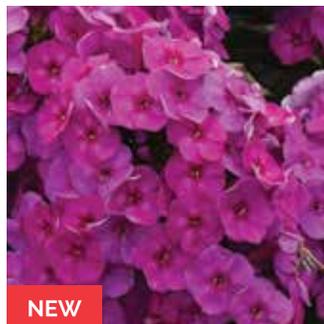


'Cover Girl'



NEW

'Fancy Girl'



NEW

'Material Girl'



'Party Girl'



'Uptown Girl'

DARWIN PERENNIALS



Phlox 'Cherry Cream'



Phlox 'Baby Doll Pink'



Phlox 'Baby Doll White'

PHLOX 
(HYBRID PHLOX)
Phlox paniculata

WALTERS GARDENS 

BABY DOLL SERIES 

Height: 12 to 16 in. (30 to 41 cm)
Bloom Months: July to August
USDA Hardiness Zones: 4a to 8b

At just 1 ft. (30 cm) tall, this perennial is easy to tuck into small spaces in the garden or for use in containers. Bright flowers form a mass of blooms on top of the dark green foliage.

'Baby Doll Pink' PP32,025

'Baby Doll White' PP33,487

DARWIN PERENNIALS
'CHERRY CREAM' 

 **FirstYearFloweringTool.com**
for easy scheduling

Height: 22 to 26 in. (56 to 66 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4b to 9a
PP29,910

A bright display of large, cream and pink flowers with rose eyes that is stunning in the garden.

- Medium-height, self-branching and powdery mildew-resistant Phlox offers uniform production.
- Can be used as cut flowers as well.

'BRIGHT EYES' 

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b

Fragrant blooms are pale pink with crimson eye.

'LAURA' 

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b

Large, fragrant, fuchsia-purple blooms with white, star-shaped patterns.

'NICKY' 

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 8b

Intense, deep magenta-purple flower heads.

'NORAH LEIGH' 

Height: 36 in. (91 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 8b

Pale pink flowers and variegated, creamy-white leaves with thin, green centers.



Phlox 'Bright Eyes'



Phlox 'Laura'



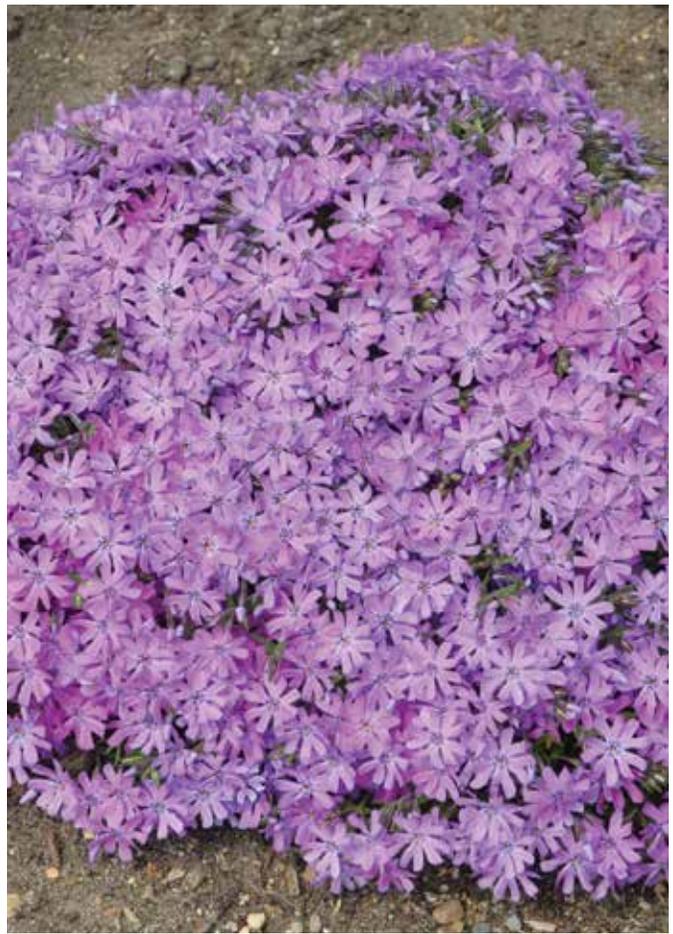
Phlox 'Nicky'



Phlox 'Norah Leigh'



Phlox 'Bedazzled Lavender'



Phlox 'Bedazzled Pink'



Phlox 'Red Riding Hood'



Phlox 'Starfire'

'RED RIDING HOOD'



Height: 22 in. (56 cm)
Bloom Months: July
USDA Hardiness Zones: 3a to 8b

Clusters of cherry-red flowers make a tremendous color statement in the garden.

'STARFIRE'



Height: 36 in. (91 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 8b

Brilliant red flowers atop deep bronze/green foliage.

PHLOX 
 (HYBRID SPRING PHLOX)

Phlox hybrida

WALTERS GARDENS



BEDAZZLED SERIES



Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 8b

Blooms about a week earlier than *Phlox subulata*, with star-shaped, notched flowers.

'Bedazzled Lavender' Lavender flowers with lighter halo centers and a dark purple, star-shaped eye. PP31,168

'Bedazzled Pink' PP32,063



Phlox Paparazzi Angelina



Phlox Paparazzi Jagger

**PAPARAZZI®
 COLLECTION**



Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: April to June
USDA Hardiness Zones: 6a to 11

Early flowering and great heat and humidity tolerance for durability in pots and in the landscape.

Angelina 'PPPHL07301' PP23,702

Jagger 'PHL090201' PP26,854

PAPARAZZI is a U.S. registered trademark of Plant 21.



Phlox 'Violet Pinwheels'



Phlox 'Blue Moon'



Phlox 'May Breeze'



Phlox 'Candy Stripe'



Phlox 'Drummond's Pink'

PHLOX 
(CREEPING PHLOX)
Phlox hybrid

CHICAGOLAND GROWS, INC.
'VIOLET PINWHEELS'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to May
USDA Hardiness Zones: 4a to 8b
PP25.884

Plants feature low mounds of soft, dark green, needle-like foliage and vivid purple flowers with notched, upturned petals.

PHLOX 
(WOODLAND PHLOX)
Phlox divaricata

'BLUE MOON' 

Height: 12 in. (30 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 8b
Loads of fragrant, dark blue flowers.

'MAY BREEZE' 

Height: 15 to 18 in. (38 to 46 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 8b
Sweetly fragrant, star-shaped flowers and dark green foliage.

PHLOX 
(MOSS PHLOX)
Phlox subulata

'AMAZING GRACE'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

White petals with a dash of red in the center; matures to pale pink.

'CANDY STRIPE'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

Low-growing plants form a carpet of white flowers striped with pink.

'CRIMSON BEAUTY'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

Rosy-red blooms in early Spring.

'DRUMMOND'S PINK'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b
The largest flowers of its type are pink with deep pink centers.

'EMERALD BLUE'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

Clear lavender-blue flowers in early Spring.

'EMERALD CUSHION BLUE'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

Lavender-blue flowers on a superior mounding habit.

'EMERALD PINK'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

Short, compact, mounded variety with long-flowering, pink blooms.



Phlox 'Emerald Cushion Blue'



Phlox 'Emerald Pink'



Phlox 'Eye Candy'



Phlox 'Eye Caramba'



Phlox 'Eye Shadow'



Phlox 'Fort Hill'



Phlox 'Oakington Blue Eyes'



Phlox 'Purple Beauty'



Phlox 'Red Wings'

WALTERS GARDENS 

'EYE CANDY'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: May
USDA Hardiness Zones: 2a to 9b
 PP31.484

Perfect groundcover for Spring with a vigorous habit. Light lavender-pink flowers have a dark wine-purple eye.

WALTERS GARDENS 

'EYE CARAMBA'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: May
USDA Hardiness Zones: 2a to 9b
 PPAF

'Eye Caramba' features medium pink flowers with a red eye. The 0.75-in. (2-cm) flowers are notably larger than typical *Phlox subulata*.

WALTERS GARDENS 

'EYE SHADOW'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: May
USDA Hardiness Zones: 2a to 9b
 PP31.169

Perfect groundcover for Spring with a vigorous habit. Vibrant, rosy-purple flowers have a dark purple eye.



Phlox 'Scarlet Flame'

'FORT HILL'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b
 Fringed, slightly fragrant, deep pink flowers with dark eye.

'OAKINGTON BLUE EYES'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 2a to 8b
 Evergreen mats of pine needle-like foliage with sky blue flowers.

'PURPLE BEAUTY'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 2a to 8b
 Deep purple blooms.

'RED WINGS'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b
 Vigorous, with striking rosy-red flowers in early Spring.

'RONSDORFER BEAUTY'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 2a to 8b
 Rich rose-pink flowers with magenta-red center ring.

'SCARLET FLAME'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b
 Rosy-red, star-shaped flowers over creeping, needle-like, evergreen foliage.



Rudbeckia 'Viette's Little Suzy'



Phlox 'Snowflake'



Phlox 'White Delight'



Physostegia 'Miss Manners'



Prunella 'Summer Daze'

PHLOX ●●
(MOSS PHLOX)
Phlox subulata

'SNOWFLAKE'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

A profusion of bright white blooms on a short, tight habit.

'WHITE DELIGHT'

Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: March to April
USDA Hardiness Zones: 3a to 8b

Pure white flowers on vigorous, dark green, spreading foliage.

PHYSOSTEGIA ●
(OBEDIENT PLANT, FALSE DRAGONHEAD)

Physostegia virginiana

PLANTHAVEN INT'L, INC.

'MISS MANNERS'

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 9b

White flowers against dark foliage with sturdy stems: very "well-behaved."

PRUNELLA ●
(SELF-HEAL)
Prunella hybrid

PLANTHAVEN INT'L, INC.

'SUMMER DAZE'

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: June to July
USDA Hardiness Zones: 5a to 7b
PP19.609

Pink flower clusters and attractive oakleaf foliage and habit.

RUDBECKIA ●
(BLACK-EYED SUSAN)
Rudbeckia speciosa

MUST HAVE PERENNIALS



'VIETTE'S LITTLE SUZY'

Height: 26 to 32 in. (66 to 81 cm)
Bloom Months: July to frost
USDA Hardiness Zones: 4a to 8b

Very floriferous habit, with deep yellow flowers on sturdy stems and beautiful mahogany foliage in Fall.

SAGINA ●●
(PEARLWORT)
Sagina subulata

'AUREA'

Height: 2 in. (5 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 7b

Scotch Moss forms a chartreuse groundcover with tiny, white flowers.

IRISH MOSS

Height: 1 to 3 in. (3 to 8 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 9b

Solid green, tight grower with small, white flowers.



Sagina 'Aurea'



Sagina Irish Moss

POLEMONIUM 'GOLDEN FEATHERS'

POLEMONIUM ●
(JACOB'S LADDER)

Polemonium pulcherrimum

DARWIN PERENNIALS

'GOLDEN FEATHERS'



Available as tissue
culture-raised liners

Height: 6 to 8 in. (15 to 20 cm)

Bloom Months: April to June

USDA Hardiness Zones: 5b to 9a

PP35,067

- This unique Polemonium stands out against the competition, providing growers with more options for the shade and increased sell-through at retail.
- Produces bluish-purple flowers from late Spring to Summer.
- Great accent plant in rock gardens, landscapes and small containers.

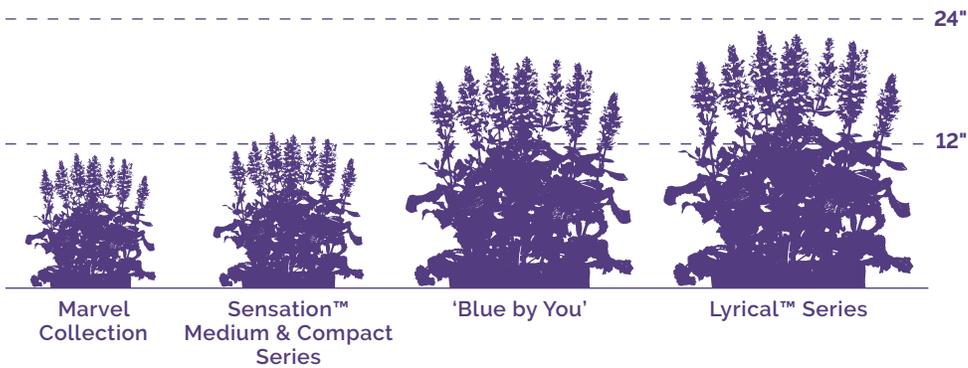
Golden variegated
foliage brings innovation
to the shade.

SALVIA



Salvia Height Comparisons

Salvia nemorosa



Salvia
'Blue by You'
AAS Winner

TOP SELLER

SALVIA 'ROSE MARVEL'



DARWIN
PERENNIALS

SALVIA ●
(SAGE)

Salvia nemorosa

DARWIN PERENNIALS

'ROSE MARVEL'



 [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
for easy scheduling

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

Bloom Months: March to September

USDA Hardiness Zones: 4a to 9b

PP30.118

- The largest flowers of any rose-colored *Salvia nemorosa*.
- Can be positioned as a premium perennial item, creating more opportunity for grower margin.
- Features a long flowering window and reblooms without being cut back.
- Ultra-large flowers provide more color and impact in the landscape.

Brings a rich, deep rose color to the popular Marvel family.

SALVIA 
(SAGE)

Salvia nemorosa

DARWIN PERENNIALS

'SKY BLUE MARVEL'  



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: March to September

USDA Hardiness Zones: 4a to 9b

PP30,658

The Marvel family has the largest flowers of any *Salvia nemorosa* on the market.

- Light blue addition to the Marvel family, with the same great habit as 'Blue Marvel' and 'Rose Marvel'
- Enjoy the stunning display of color in Spring and Summer.
- Little to no maintenance required in the garden.



Salvia 'Sky Blue Marvel'

DARWIN PERENNIALS

'BLUE MARVEL'  



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: March to September

USDA Hardiness Zones: 4a to 9b

CPBR5343; PP27,018

The largest flowers of any *S. nemorosa*!

- Innovative variety can be finished as a first-year-flowering perennial.
- No PGRs needed!
- Outstanding habit and reliable reblooming for landscapes and container gardening.
- Ideal for positioning as a premium perennial item for a greater profit margin opportunity.



Salvia 'Blue Marvel'

SALVIA LYRICAL™

SALVIA ●
(SAGE)
Salvia nemorosa

DARWIN PERENNIALS
LYRICAL™ SERIES

 FirstYearFloweringTool.com
for easy scheduling

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: March to September
USDA Hardiness Zones: 4a to 9b

- Deeply toned buds and calyxes for longer garden color on Lyrical Blues, Rose and Silvertone.
- Silvertone is the first bicolor Salvia, featuring blue blooms with silver edges.
- Robust, well-branched plants with a manageable habit readily fill gallon containers.
- More flowers per container for extra show at retail.
- Excellent reblooming and heat tolerance.

Blues 'Balyriclu' PP22,919

Rose 'Balyricose' PP24,274

Silvertone 'Balyricsil' PP23,310

White 'Florsalwhite' PP21,243



Blues

Easy-to-grow,
well-matched series
in unique,
eye-catching colors.



Blues



Rose



Silvertone



White



Salvia Sensation Compact Deep Blue



Salvia Sensation Compact Sky Blue

SALVIA 
 (SAGE)
Salvia nemorosa

FLORENSIS, B.V. 
**SENSATION®
 COMPACT SERIES**  

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: April to August
USDA Hardiness Zones: 5a to 9b

Well-branched, compact series features rich displays of early-Summer color. Attracts hummingbirds and butterflies.

Deep Blue 'Florsaldblue' PP21,297
Sky Blue 'Florsalsbu'

SENSATION is a U.S. trademark of Florensis, B.V.

FLORENSIS, B.V. 
**SENSATION®
 MEDIUM DEEP
 ROSE**  

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: April to August
USDA Hardiness Zones: 5a to 9b
 'Florsaldro'

Well-branched, medium-habit series features bold displays of early-Summer color. A magnet for hummingbirds and butterflies.

SENSATION is a U.S. trademark of Florensis, B.V.



Salvia Sensation Medium Deep Rose



SALVIA 'BLUE BY YOU'

DARWIN
PERENNIALS

SALVIA ●
(SAGE)

Salvia hybrida

DARWIN PERENNIALS

'BLUE BY YOU'



FirstYearFloweringTool.com
for easy scheduling

Height: 20 to 22 in. (51 to 56 cm)

Bloom Months: March to September

USDA Hardiness Zones: 4b to 9a

PP31.033

- A hybrid between *Salvia nemorosa* and *Salvia pratensis*, it has excellent Winter hardiness and heat tolerance.
- Sterile hybrid for longer shelf life.
- Re-flushes very easily.
- Long, bright blue flower spikes.

Repeat flowers
throughout Spring
and Summer.

BETTER VERSIONS

by Darwin Perennials

'Blue by You' is better than May Night, thanks to earlier blooming, better habit and the ability to easily reflush up to 5 times.



TOP SELLER

Salvia 'Bumbleberry'



Salvia 'Bumbleblue'



Salvia 'Bumblesky'

SALVIA 
(SAGE)

Salvia nemorosa

'BLUE HILL'  

Height: 20 in. (51 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 4a to 9b
Long-bloomer produces lilac-blue flowers on neat clumps of gray-green foliage.

WALTERS GARDENS 

'BUMBLEBERRY'  

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 8b
PP31.602

TOP SELLER Bees and other pollinators swarm to this perennial in droves. Dark fuchsia-pink flowers with dark wine-purple calyxes on a petite habit of attractive deep green foliage. The deep, intense color makes other pink Salvias pale in comparison. This cute, small-sized package is perfect for the front of the border or grown in a quart pot.

WALTERS GARDENS 

'BUMBLEBLUE'  

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 8b
PP30.084

Attracts bees and other pollinators in droves. A prolific bloomer, producing loads of violet-blue flowers on a petite habit of healthy, deep green foliage. Perfect for the front of the border or grown in a quart pot.

WALTERS GARDENS 

'BUMBLESKY'  

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 8b
PP30.085

Bees and other pollinators are attracted to this perennial in droves. Features light sky blue flowers on a low, rounded habit of healthy, deep green foliage. This cute, small-sized package is perfect for the front of the border or grown in a quart pot.

WALTERS GARDENS 

'BUMBLESNOW'  

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 8b
PP31.399

Pure white flowers are produced on a petite habit with good reblooming if deadheaded.

'CARADONNA'  

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 4a to 9b

Rich, violet-blue flowers on glowing, purple-black stems.

RIJNBEEK & ZN, B.V.

MARCUS®  

Height: 8 to 12 in. (20 to 30 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 4a to 9b
'Haeumanarc'

Compact variety has a broad, spreading habit and violet-blue flowers, perfect for edging, containers and small spaces.

MARCUS is a registered trademark of Häussermann Stauden & Gehölze Gbr.



Salvia 'Bumblesnow'



Salvia 'Furman's Red'



Salvia 'Black & Blue'



Salvia 'Santa Barbara'



Salvia 'East Friesland'



Salvia May Night



Salvia 'Snow Hill'



Salvia Fashionista 'Ballerina Pink'



Salvia Fashionista 'Evening Attire'



Salvia Fashionista 'Midnight Model'



Salvia Fashionista 'Moulin Rouge'

SALVIA (SAGE)
Salvia greggii

PLANT SELECT

'FURMAN'S RED'  

Height: 12 to 20 in. (30 to 51 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 7a to 9b

Tender perennial with a compact, upright habit. Luxurious, deep rose-red flowers and bright green, rounded foliage.

SALVIA (SAGE)
Salvia guaranitica

'BLACK & BLUE'  

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: August to frost
USDA Hardiness Zones: 7a to 10b

Tender perennial has sky blue flowers and pitch-black calyxes.

SALVIA (SAGE)
Salvia leucantha

PLANTHAVEN INT'L. INC.

'SANTA BARBARA'  

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 8b to 10b

Tender perennial with large spikes of purple flowers and tomentose, gray-green leaves. A more compact selection of the species.

SALVIA (SAGE)
Salvia verticillata

'PURPLE RAIN'  

Height: 24 in. (61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b

Purple blooms form globes of individual florets up the stem with spacing between the globes.

SALVIA (SAGE)
Salvia x sylvestris

'EAST FRIESLAND'  

Height: 18 in. (46 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 4a to 9b

Compact, upright plant with medium green, basal leaves and deep purple flowers.

MAY NIGHT  

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 4a to 9b
'Mainacht'

Tall, upright plant with medium green leaves and large, violet-purple flowers.

'SNOW HILL'  

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 4a to 9b

Mounded, gray-green foliage with white flowers.

SALVIA (SAGE)
Salvia pratensis

WALTERS GARDENS 

FASHIONISTA® SERIES  

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: May to August
USDA Hardiness Zones: 3a to 8b

The cutting edge of perennial fashion, with big, bold blooms in an array of chic and stylish colors. Excellent garden performance.

'Ballerina Pink' Soft pink flowers are held by dark mauve-pink calyxes. PP29,957

'Evening Attire' Drought-tolerant, blue variety. PP32,573

'Midnight Model' Striking violet-blue flowers are produced in a round, dense clump. PP29,498

'Moulin Rouge' Rose-pink variety. PP32,387

FASHIONISTA is a registered U.S. trademark of Walters Gardens.

SALVIA 
(SAGE)

Salvia greggii

DARWIN PERENNIALS

'RADIO RED'



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: March to September

USDA Hardiness Zones: 7a to 10b

PP26.362

- Finally, a good, true red *S. greggii* meets demand for this popular color.
- Keeps its color without fading longer than other red varieties.
- Well-branched plants.

Blooms all Summer
long – nice in
containers.



TOP SELLER

SALVIA 'RADIO RED'





Blue



Burgundy



TOP SELLER

Cherry Red



TOP SELLER

Deep Purple



Hot Pink



Pink



Rose Bicolor



Salmon



Soft Pink



Violet



White

SALVIA (SAGE)

Salvia greggii

DARWIN PERENNIALS

MIRAGE™ SERIES

FirstYearFloweringTool.com
for easy scheduling

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: March to September
USDA Hardiness Zones: 7a to 9b

Bold, brightly colored blooms stand out at retail and in the landscape.

- Self-branching, mounded habit resists breaking for easy shipping and less shrink.
- Can be sold as an annual in the North; overwinters in the South.
- Heat-tolerant series features a full range of intense flower colors.
- Less maintenance and more color in the garden.

Blue Electric, deep-blue color. 'Balmirleu' PP33,036

Burgundy 'Balmirbur' PP28,537

TOP SELLER Cherry Red

'Balmircher' PP28,527

TOP SELLER Deep Purple

'Balmirdepur' PP28,538

Hot Pink 'Balmirhopi'

Pink 'Balmirpink'

Rose Bicolor Large, rose and cream bicolor flowers with a rounded habit. Retains its color in the heat. 'Balmirrobi' PP33,084

Salmon A deep salmon bloom with a dark calyx. 'Balmirsal' PP30,729

Soft Pink 'Balmirsopin'

Violet 'Balmirvio' PP29,724

White Crisp, clear white blooms. 'Balmirwite'

SALVIA
(SAGE)

Salvia hybrida

DARWIN PERENNIALS

ARCTIC BLAZE®
SERIES



 FirstYearFloweringTool.com
for easy scheduling

Height: 24 in. (61 cm)

Bloom Months: March to September

USDA Hardiness Zones: 6a to 11

- Bright blooms.
- Compact habit with sturdy, flexible branches.
- Blooms from Spring through Fall.

Fuchsia 'Novasalfuc' PP28,619

Purple 'Novasalpur' PP28,717

Red 'Novasatred' PP28,620

Bred for improved
hardiness and terrific
repeat blooming.



Fuchsia (also pictured right)



Purple



Red

SALVIA ARCTIC BLAZE®



SCABIOSA FLUTTER™

SCABIOSA (PINCUSHION FLOWER)
Scabiosa columbaria

DARWIN PERENNIALS
FLUTTER™ SERIES

 FirstYearFloweringTool.com
for easy scheduling

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: March to September
USDA Hardiness Zones: 5a to 9b

- Deeper colors, better habit and larger flowers than 'Butterfly Blue' and 'Pink Mist.'
- Neater displays for greater sell-through at retail.
- Hardy plants with long flowering windows.
- Beautiful in the landscape and in mixed containers.
- Very disease resistant.

Deep Blue 'Balfluttdelu' PP28,043
Pure White Stunning, pure-white variety is a unique color for the market. Self-cleaning and long-flowering. 'Balflutturite' PP30,119
Rose Pink (pictured left) 'Balfluttropi' PP27,809

Compact habit and shorter peduncles for easier shipping and showing!



Deep Blue

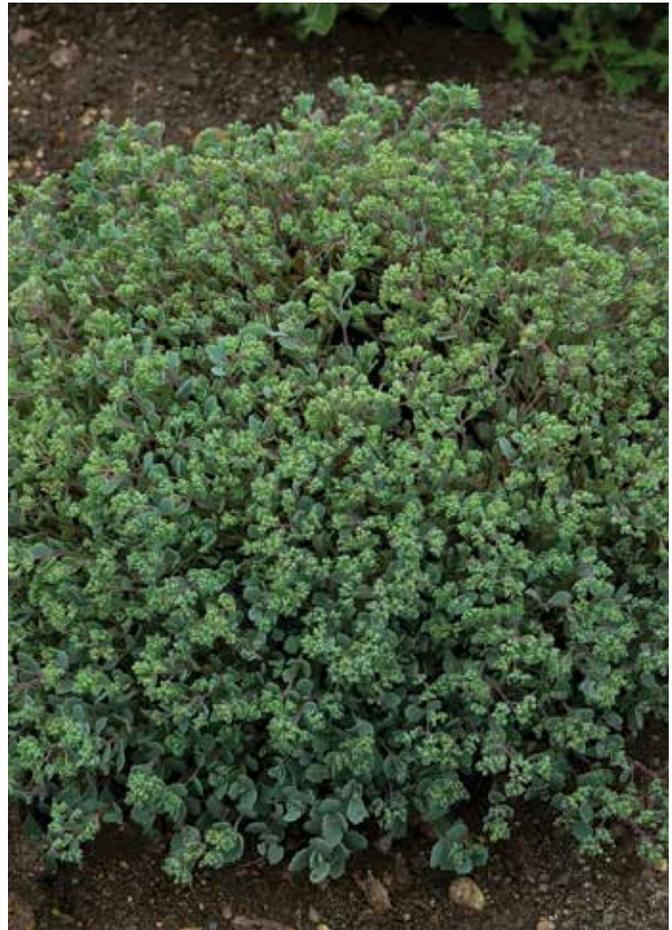


Pure White



TOP SELLER

Sedum 'Little Miss Sunshine'



Sedum 'Steel the Show'

SCABIOSA ●● (PINCUSHION FLOWER)
Scabiosa columbaria

'BUTTERFLY BLUE' 

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: May to hard frost
USDA Hardiness Zones: 4a to 9b

Compact, tidy mounds of deep green, basal leaves with wiry stems hold single, round, lavender-blue flowers.

'PINK MIST' 

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 9b

Compact, upright habit is similar to 'Butterfly Blue.' Variety features green, textured leaves and soft pink, fully double flowers.

SEDUM ● (STONECROP)
Sedum kamschaticum

WALTERS GARDENS 

'LITTLE MISS SUNSHINE'

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: July
USDA Hardiness Zones: 3a to 9b
PP30.039

TOP SELLER A groundcover Sedum that blooms in Summer with dark green, glossy foliage and tiny, yellow flowers.

SEDUM ● (STONECROP)
Sedum

WALTERS GARDENS 

'STEEL THE SHOW'

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: September
USDA Hardiness Zones: 3a to 9b
PP31.314

Tiny, silvery leaves and bright, blue-green foliage. One of the latest Sedum to bloom with rich, rosy-pink flowers.

SEDUM ● (STONECROP)
Sedum album

'CORAL CARPET'

Height: 2 to 6 in. (5 to 15 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 9b

Creeping groundcover with red-tinged, deep green leaves and tiny, pale pink flowers.

SEDUM ● (STONECROP)
Sedum dasyphyllum

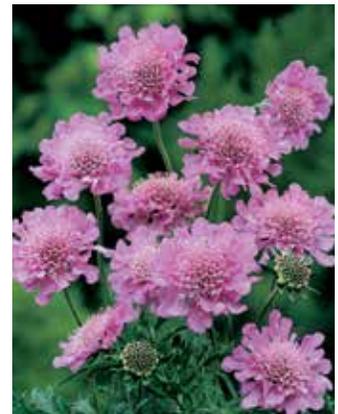
'MAJOR'

Height: 4 in. (10 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 9b

Prostrate mats of tight, blue foliage and small, white flowers.



Scabiosa 'Butterfly Blue'



Scabiosa 'Pink Mist'



Sedum 'Night Light'



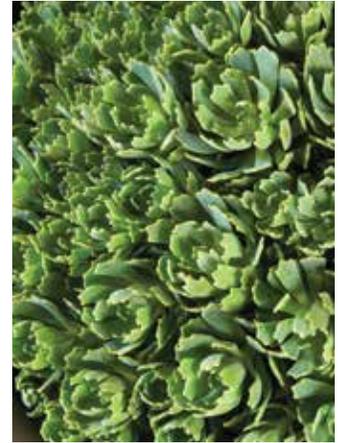
Sedum kamtschaticum



Sedum 'Variegatum'



Sedum 'Ogon'



Sedum pachyclados



Sedum 'Blue Spruce'

SEDUM ●
(STONECROP)
Sedum hybrida

WALTERS GARDENS



'NIGHT LIGHT'

Height: 22 to 26 in. (56 to 66 cm)
Bloom Months: August to September
USDA Hardiness Zones: 3a to 9b
PP34.272

'Night Light' produces deep olive green leaves on dark purple stems that hold clusters of light yellow flowers. Mature flowers have blush tones. Unlike other Sedum that lodge during flowering season, this variety has stocky stems and holds its dome-like shape late in the season.

SEDUM ●
(STONECROP)
Sedum kamtschaticum

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 9b

Scalloped, deep green leaves are covered with mounds of golden yellow flowers.

SEDUM ●
(STONECROP)
Sedum kamtschaticum
variegatum

'VARIEGATUM'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b

Compact plants have variegated foliage with creamy margins and star-shaped, yellow blooms that mature to red.

SEDUM ●
(STONECROP)
Sedum makinoi

'OGON'

Height: 4 in. (10 cm)
Bloom Months: July
USDA Hardiness Zones: 7a to 9b

Ground-hugging, tender perennial has chartreuse foliage and dainty, yellow flowers.

SEDUM ●
(STONECROP)
Sedum pachyclados

Height: 3 in. (8 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 9b

Deep blue, scalloped foliage forms a tight mound, with white, star-shaped flowers.

SEDUM ●
(STONECROP)
Sedum reflexum

'BLUE SPRUCE'

Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: July to August
USDA Hardiness Zones: 4a to 9b

Low-growing, spreading plants have blue, needle-like foliage and yellow flowers.

SEDUM ●
(CHINESE MOUNTAIN
STONECROP)

Sedum middendorffianum

DARWIN PERENNIALS
'YELLOW DIAMONDS'



FirstYearFloweringTool.com
for easy scheduling

Height: 7 to 10 in. (18 to 25 cm)

Bloom Months: July to August

USDA Hardiness Zones: 5a to 9a

PP35.077

- Mounding habit provides a better presentation at retail and in the garden.
- Striking color contrasts well against dark green foliage with red stems.
- Blooms late Spring to Summer.
- Rabbit resistant, drought tolerant and low maintenance.

Bright yellow,
star-shaped flowers
cover the dense,
nicely mounded habit.



SEDUM 'YELLOW DIAMONDS'



SEDUM WHAT A DOOZIE

SEDUM ●
(STONECROP)
Sedum spurium

DARWIN PERENNIALS
WHAT A DOOZIE

 [FirstYearFloweringTool.com](https://www.firstyearfloweringtool.com)
for easy scheduling

Height: 2 to 5 in. (5 to 13 cm)

Bloom Months: July to August

USDA Hardiness Zones: 5a to 9b

'Spiraling Doozie' PP31.789

- Trialed and proven to not show any reversion – a superior trait compared to competitors.
- Variegation is stable, for less shrink and more dependable production.
- Plants gain attractive blush pink and creamy pink flowers in Fall.

Creeping groundcover with reliable, green and white variegation.



SEDUM ●
(STONECROP)
Sedum rupestre

DARWIN PERENNIALS
PRIMA ANGELINA



Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: Non-flowering
USDA Hardiness Zones: 4a to 9b
'Gold Form' PP32,414

A sport of Angelina, this variety offers bright color that holds throughout the season.

- Sedum Prima Angelina has a denser, more compact habit and more vivid golden color than Angelina.
- Low growing and fast spreading, with fleshy, needle-like foliage.
- Ideal for 1 to 2.5-qt. pot sizes.



Sedum Prima Angelina

SEDUM ●
(STONECROP)
Sedum

WALTERS GARDENS
NEW FOR 2024



'AFTER DARK'

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: August to October
USDA Hardiness Zones: 3a to 9b
PPAF

An excellent choice for hot, dry places in the garden. Dark purple foliage appears near-black in the landscape. Garnet red flowers emerge from black buds in late Summer.



NEW

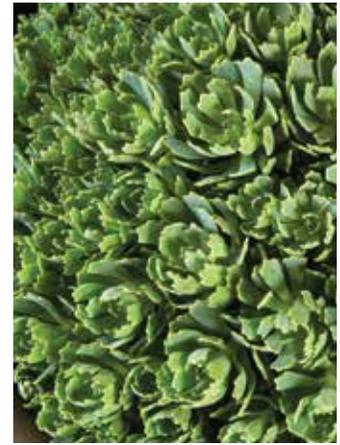
Sedum 'After Dark'



Sedum 'Night Embers'



Sedum 'Angelina'



Sedum sexangulare



Sedum sieboldii



Sedum 'Autumn Fire'



Sedum 'Autumn Joy'



Sedum 'Powderpuff'



Sedum 'Dragons Blood'

SEDUM ●
(STONECROP)
Sedum rupestre

'ANGELINA'

Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: July to August
USDA Hardiness Zones: 3a to 9b

Low growing and fast spreading, with fleshy, needle-like, golden yellow foliage.

SEDUM ●
(STONECROP)
Sedum sexangulare

Height: 4 in. (10 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 5b

Dense carpets of fine green foliage with bright yellow flowers in Spring.

SEDUM ●
(STONECROP)
Sedum sieboldii

Height: 6 in. (15 cm)
Bloom Months: September to October
USDA Hardiness Zones: 6a to 9b

Semi-evergreen, blue-green, succulent foliage with pink flowers in Fall.



Sedum 'Fuldaglut'

SEDUM ●
(STONECROP)
Sedum spectabile

'AUTUMN FIRE'

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: August to September

USDA Hardiness Zones: 3a to 9b
Dense, robust habit; flowers start blue-green and mature to pink, deep red and finally bronze.

'AUTUMN JOY'

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: August to September
USDA Hardiness Zones: 3a to 10b

Blue-green flower heads turn rosy-pink and intensify to deep ruby-red, then bronze.

WALTERS GARDENS ●
'NIGHT EMBERS'

Height: 24 to 26 in. (61 to 66 cm)
USDA Hardiness Zones: 3a to 9b
PP29.211

Deep red stems hold semi-glossy, dark black-purple succulent leaves and clusters of light mauve-pink flowers.

WALTERS GARDENS ●



'POWDERPUFF'

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: August to October
USDA Hardiness Zones: 3a to 9b
PP32.714

Billowy, puffy dome of bright rosy-pink flowers in late Summer to early Fall.

SEDUM ●
(STONECROP)
Sedum spurium

'DRAGONS BLOOD'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: July to August
USDA Hardiness Zones: 3a to 9b

Green leaves with red margins and deep red blooms in Summer. Foliage turns bright red in Fall.

'FULDAGLUT'

Height: 3 to 4 in. (8 to 10 cm)
Bloom Months: May to July
USDA Hardiness Zones: 4a to 9b

Dark green, spreading foliage with red flowers in July. Foliage turns red-orange in Fall.



Sedum 'John Creech'



Sedum 'Tricolor'



Sedum 'Coral Reef'



Sedum 'Lemon Ball'



Sedum
'Vera Jameson'



Sempervivum
'Cobweb'



Sempervivum
'Carmen'



Sempervivum
'Commander Hay'



Sempervivum
'Kalinda'



Sempervivum
'Red Beauty'



Sempervivum
'Royal Ruby'



Sempervivum
'Ruby Heart'



Sempervivum
'Silverine'



Sempervivum
'Sunset'

SEDUM ●
(STONECROP)
Sedum spurium

'JOHN CREECH'

Height: 2 in. (5 cm)
Bloom Months: June
USDA Hardiness Zones: 3a to 9b

Dense groundcover; striking green foliage and pink-purple blooms.

'TRICOLOR'

Height: 3 to 4 in. (8 to 10 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 9b

Mat-forming, with small, rounded, green leaves tinged in pink and edged in white; pink blooms.

SEDUM ●
Sedum tetractinum

'CORAL REEF'

Height: 2 to 3 in. (5 to 8 cm)
Bloom Months: July to August
USDA Hardiness Zones: 3a to 9a

Mounded, spreading groundcover has small, yellow flowers and smooth, green foliage that turns red in Fall.

SEDUM ●
(STONECROP)
Sedum x hybrida

'LEMON BALL'

Height: 6 in. (15 cm)
Bloom Months: June to July
USDA Hardiness Zones: 7a to 9b

Vivid mounds of chartreuse foliage stay dense, bushy and bright all Summer long.

'VERA JAMESON'

Height: 10 to 16 in. (25 to 41 cm)
Bloom Months: August to September
USDA Hardiness Zones: 3a to 9b

Large clusters of pink flowers and waxy, gray-green leaves turn burgundy as Summer progresses.

SEMPERVIVUM ●●
(HENS & CHICKS)
Sempervivum arachnoideum

'COBWEB'

Height: 2 to 8 in. (5 to 20 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 8b

Pale green rosettes covered with fine, silver hairs; produces bright reddish-pink flowers.

SEMPERVIVUM ●●
(HENS & CHICKS)
Sempervivum

'CARMEN'

Height: 2 to 8 in. (5 to 20 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Emerald green, succulent leaves with bright red tips.

'COMMANDER HAY'

Height: 1 to 3 in. (3 to 8 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Clumps of red and green rosettes.

'KALINDA'

Height: 2 to 8 in. (5 to 20 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 9b

Large, succulent leaves held in tight, green heads with blood-red tips.

'RED BEAUTY'

Height: 4 in. (10 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Dense rosettes are red in Summer and turn burgundy in cold weather. Color may vary from season to season. Produces clusters of light pink flowers in mid-Summer.

'ROYAL RUBY'

Height: 3 to 4 in. (8 to 10 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Forms dense mats of dark wine-red foliage.

'RUBY HEART'

Height: 2 to 8 in. (5 to 20 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Rosettes start red, turning green with red margins as they grow.

'SILVERINE'

Height: 3 to 4 in. (8 to 10 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Muted green foliage with red overtones.

SEMPERVIVUM ●●
(HENS & CHICKS)
Sempervivum tectorum

'SUNSET'

Height: 2 to 8 in. (5 to 20 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Emerald green leaves with red tips take on orange-red cast in cool weather.

NEW

STACHYS LITTLE LAMB

STACHYS ●
(LAMB'S EAR)
Stachys byzantina

DARWIN PERENNIALS
NEW FOR 2024

LITTLE LAMB



Height: 2 to 5 in. (5 to 13 cm)

Bloom Months: June to July

USDA Hardiness Zones: 4a to 8b

'Balstaclamb' PPAF

- Shorter flower stalks offer a better finish than the standard.
- Ideal for a groundcover or smaller gardens.



A Lamb's Ear with fine,
more decorative foliage.



Silene 'Clifford Moor'



Solidago 'Fireworks'



Solidago Little Lemon



Stachys 'Helene Von Stein'



Stachys 'Silver Carpet'



Stachys 'Hummelo'



Thymus 'Albiflorus'



Thymus 'Coccineus'

SILENE ●●
(CAMPION)
Silene dioica

'CLIFFORD MOOR'

Height: 18 in. (46 cm)
Bloom Months: May to July
USDA Hardiness Zones: 5a to 8b

Variegated leaves and single, pink flowers.

SOLIDAGO ●
(GOLDENROD)
Solidago rugosa

'FIREWORKS'

Height: 36 to 48 in. (91 to 122 cm)
Bloom Months: July to September
USDA Hardiness Zones: 5a to 9b

Golden yellow flowers with wild, multi-branched panicles.

SOLIDAGO ●
(GOLDENROD)
Solidago

PLANTHAVEN INT'L, INC.

LITTLE LEMON

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b
'Dansolitem' PP17,297

Compact, well-branched plants covered with racemes of bright lemon yellow flowers in Summer.

STACHYS ●
(LAMB'S EAR)
Stachys byzantina

'HELENE VON STEIN'

Height: 12 in. (30 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 9b

Clump-forming habit with big, broad leaves and velvety-soft, greenish-silver foliage. Great for edging, border gardens and containers.

'SILVER CARPET'

Height: 8 in. (20 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b

Drought-tolerant, low-growing and spreading variety with soft and fuzzy, oval, gray-white leaves.

STACHYS ●
(LAMB'S EAR)
Stachys monnieri

'HUMMELO'

Height: 20 in. (51 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 8b

Compact clumps of textured, glossy green foliage with spikes of purple flowers.

TEUCRIUM ●
(GERMANDER)
Teucrium chamaedrys

Height: 12 in. (30 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b

Evergreen sub-shrub with deep green leaves and rosy-purple flowers.

THYMUS ●
(THYME)
Thymus praecox

'ALBIFLORUS'

Height: 2 in. (5 cm)
USDA Hardiness Zones: 4a to 9b

Low-growing habit with green leaves and white flowers.

'COCCINEUS'

Height: 2 to 4 in. (5 to 10 cm)
USDA Hardiness Zones: 5a to 9b

Also known as Creeping Thyme. Low-growing perennial with small, elliptical, green leaves and fuchsia-red blooms in Summer.

HIGHLAND CREAM

Height: 2 to 4 in. (5 to 10 cm)
USDA Hardiness Zones: 3a to 8b
'Hartington Silver'

Also known as 'Hartington Silver.' Small, green leaves with creamy-white margins and tiny flowers of palest pink in late Spring.



Thymus 'Pseudolanuginosus'



Verbena 'Lollipop'



Verbena 'Homestead Purple'



Verbena 'Homestead Hot Pink'



Verbena 'Homestead Purple'



Verbena 'Homestead Purple'



Verbena 'Homestead Purple'



Verbena 'Homestead Hot Pink'

'PSEUDOLANUGINOSUS'

Height: 2 to 4 in. (5 to 10 cm)
USDA Hardiness Zones: 5a to 9b

Also known as Woolly Thyme. Creeper with gray foliage and white flowers is good for dry locations.

THYMUS (THYME)

Thymus serpyllum

'ELFIN'

Height: 1 in. (3 cm)
USDA Hardiness Zones: 4a to 9b

Tight, creeping groundcover with mats of tiny, dark green foliage and pink flowers in Summer.

'MAGIC CARPET'

Height: 2 in. (5 cm)
USDA Hardiness Zones: 4a to 9b

Tiny, pink flowers float over mats of green, slightly hairy foliage.

'PINK CHINTZ'

Height: 1 in. (3 cm)
USDA Hardiness Zones: 4a to 9b

Mat-forming creeper with tiny, green leaves and pink flowers.

VERBENA (VERVAIN)

Verbena bonariensis

MUST HAVE PERENNIALS

'LOLLIPOP'

Height: 20 to 24 in. (51 to 61 cm)
Bloom Months: May to frost
USDA Hardiness Zones: 8a to 9b

Tender perennial has unique dwarf form with lavender-blue flowers.

VERBENA (ROSE VERVAIN)

Verbena canadensis

DARWIN PERENNIALS

'HOMESTEAD HOT PINK'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: March to October
USDA Hardiness Zones: 6b to 9a

PP34,360
Hardy Verbena with a profusion of brightly colored flowers.

• Like its namesake 'Homestead Purple', this variety produces a carpet of color and features Zone 6 hardiness.

- Hot pink blooms work wonderfully as a groundcover.
- Mildew resistant, too.

DARWIN PERENNIALS

'HOMESTEAD PURPLE'

Height: 6 to 10 in. (15 to 25 cm)
Bloom Months: May to frost
USDA Hardiness Zones: 6a to 9b

Small, deep purple flowers on vigorous, mounded plants.

VERONICA (SPEEDWELL)

Veronica longifolia

FLORIUS PLANTS BV

FIRST GLORY

Height: 16 to 22 in. (41 to 56 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 8b

'Alllord' PP23,294

Compact, highly uniform plants with short, thick spikes of deep blue flowers; vernalization not required.

FLORIUS PLANTS BV

FIRST LADY

Height: 16 to 22 in. (41 to 56 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 8b

'Alllady' PP23,271

Sturdy, compact plant with white flower spikes; vernalization not required.

FLORIUS PLANTS BV

FIRST LOVE

Height: 22 in. (56 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b

'Alllove' PP21,478

Uniform, well-branched plants with short spikes of brilliant pink flowers; excellent flower canopy without vernalization.

VERONICA (SPEEDWELL)

Veronica spicata

WALTERS GARDENS

'LAVENDER LIGHTSABER'

Height: 28 to 30 in. (71 to 76 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 9b

PP32,359

A tall, columnar-shaped habit holds soft lavender flowers.

VERONICA
(SPEEDWELL)

Veronica hybrid

DARWIN PERENNIALS

SKYWARD™ SERIES



FirstYearFloweringTool.com
for easy scheduling

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

Bloom Months: April to September

USDA Hardiness Zones: 4b to 9a

- Durability ensures plants grow and ship without breakage, for more salable plants.
- Naturally compact habit reduces the need for additional pinching or PGRs – keeping labor and chemical costs down.
- Powdery mildew resistant.
- This pollinator plant boasts a high flower count and continuous blooming – for a beautiful presentation in the garden.

Blue 'Balskywlue' PP34,922

Pink 'Balskywink' PP34,890

Skyward's dense,
compact habit and
sturdy stems make it
a premium product.



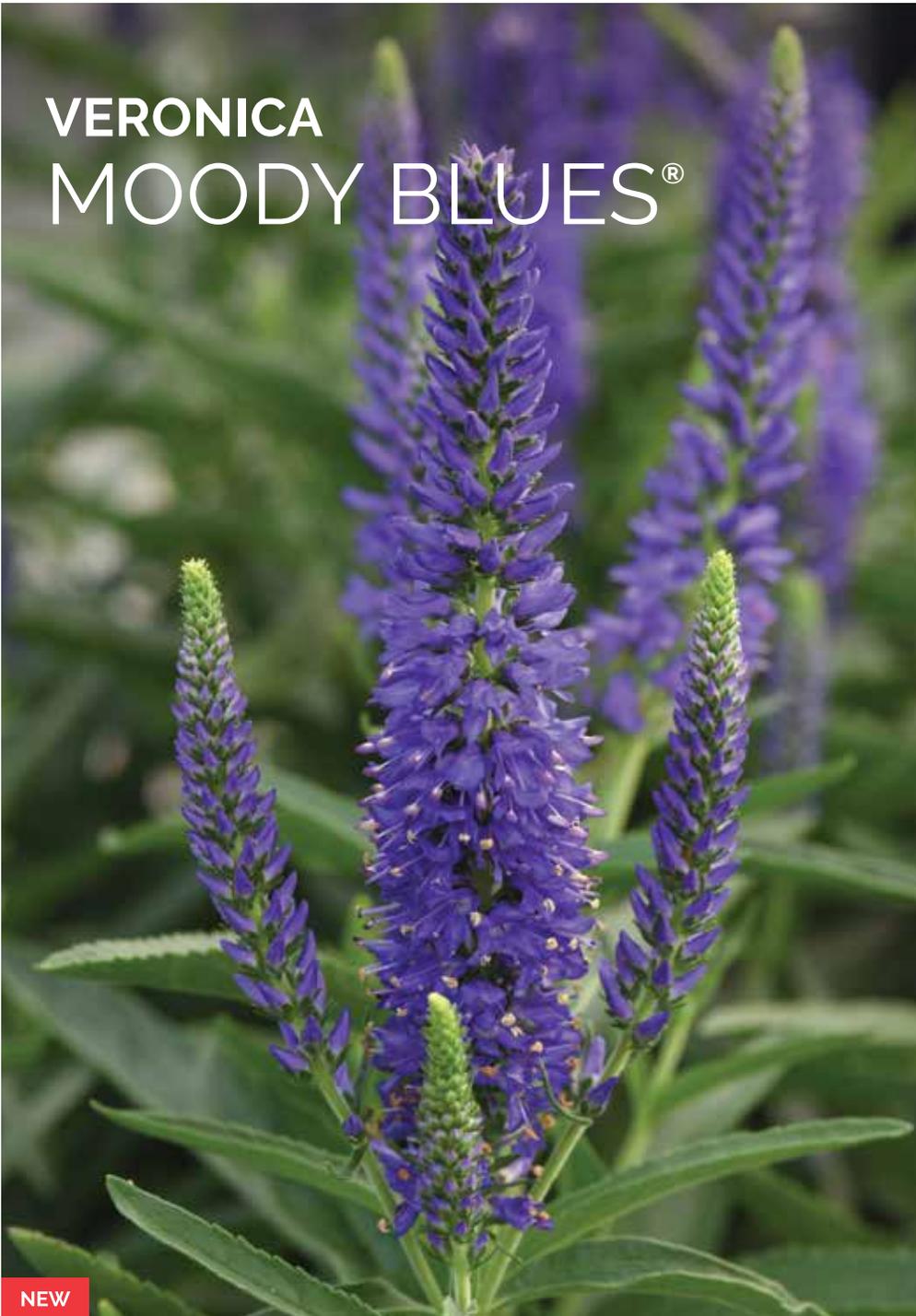
Blue (also pictured right)



Pink

VERONICA SKYWARD™





VERONICA MOODY BLUES®

VERONICA 
(SPIKE SPEEDWELL)
Veronica hybrida

DARWIN PERENNIALS
MOODY BLUES®
SERIES  

 FirstYearFloweringTool.com
for easy scheduling

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: May to October
USDA Hardiness Zones: 4b to 9b

- Excellent 2.5-qt. and 1-gal. production with great uniformity and habit.
- Continues to cycle and bloom all season until first frost.
- Compact, tidy habit is great for any garden or mixed container.
- No vernalization is required.

NEW Dark Blue Improved Offers a more upright habit that is ideal for container production. The flower spikes are also longer and in a deeper, more saturated blue color, providing a better color impact. 'Balmoodluim' PPAF

Dark Pink A long-flowering, deep pink variety. 'Balmoodink' PP31,832

Mauve 'Balmoomau' PP31,833

Pink 'Novaverpin' PP25,748

Sky Blue 'Novaversky' PP27,835

White 'Novaverwhi'

Compact series of first-year-flowering Veronica.



Dark Pink

NEW

Dark Blue Improved



Mauve



Pink



Sky Blue



White



Veronica Venice Blue



TOP SELLER

Veronica 'Blue Skywalker'



Veronica 'Perfectly Picasso'



Veronica 'Royal Rembrandt'

VERONICA 
(SPEEDWELL)
Veronica austriaca

FLORENSIS, B.V. 
VENICE BLUE  

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: March to April
USDA Hardiness Zones: 4a to 9b
'Florverblue' PP27,555

Easy-to-grow Veronica makes an excellent season extender! It requires less vernalization than other *austriaca* types; features strong, upright stems for outstanding show at retail and in the garden. Plus, this early Spring-flowering variety loves the heat.

VERONICA 
(SPEEDWELL)
Veronica longifolia

WALTERS GARDENS 
'BLUE SKYWALKER'  

Height: 28 to 30 in. (71 to 76 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 9b
PP29,406

TOP SELLER This taller perennial provides height in the garden without too much horizontal space. Lavender-blue flower spikes cover the top half of an incredibly upright, dense habit of dark green leaves.

WALTERS GARDENS 
'PERFECTLY PICASSO'  

Height: 22 to 26 in. (56 to 66 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 9b
PP29,720

Paintbrush-like spikes produce white buds that open to medium pink flowers, creating a bicolor look. Attractive flowers cover the top half of the plant, showing off its healthy, medium green leaves on a beautifully rounded habit.

WALTERS GARDENS 
'ROYAL REMBRANDT'  

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 9b
PP29,377

Discover your new Speedwell staple! Violet-purple flowers cover the top half of the plant, showcasing its dark green foliage. A remontant variety; shearing will encourage reblooming later in the season.

WALTERS GARDENS 
'VERY VAN GOGH'  

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: July
USDA Hardiness Zones: 4a to 8b
PP27,428

A posh perennial with a unique color palette. Paintbrush-like, rosy-purple flowers appear on well-branched scapes. Many secondary spikes extend the bloom time. Bright green, upright clumping foliage.



Veronica 'Very Van Gogh'

DARWIN PERENNIALS



Veronica 'Purpleicious'



Veronica 'Purple Leia'



Veronica Royal Candles



Vinca 'Bowles Cunningham'



Vinca 'Illumination'

VERONICA ●
(SPIKE SPEEDWELL)
Veronica hybrida

WALTERS GARDENS **'PURPLE LEIA'**

Height: 28 to 30 in. (71 to 76 cm)
Bloom Months: July to August
USDA Hardiness Zones: 4a to 8b
PP34,278

'Purple Leia' joins popular companions 'Blue Skywalker' and 'Lavender Lightsaber', with rosy purple flowers covering the top half of the upright, columnar habit. This Veronica adds height to the middle of the border.

VERONICA ●
(SPEEDWELL)
Veronica x hybrida

DARWIN PERENNIALS **'PURPLEICIOUS'**

Height: 16 to 20 in. (41 to 51 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b
PP17,639

Well-branched plants have a strong, tidy habit.

- Long-blooming variety with intense purple flowers and dark green foliage.
- Very healthy, disease-free cultivar.

VERONICA ●
(SPEEDWELL)
Veronica peduncularis

'GEORGIA BLUE'

Height: 8 in. (20 cm)
Bloom Months: March to April
USDA Hardiness Zones: 5a to 8b

Dense, gray-green, low-growing foliage has taller flowering stems covered with intense blue flowers.

'WATERPERRY BLUE'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Spreading habit with light blue flowers and purple Winter foliage.

CHICAGOLAND GROWS, INC. **'WHITEWATER'**

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 8b
PP22,783

Sport of 'Waterperry Blue' that produces bright white flowers on burgundy-green foliage.

VERONICA ●
(CREEPING SPEEDWELL)
Veronica repens

'SUNSHINE'

Height: 1 to 4 in. (3 to 10 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 8b

Groundcover type: creeping with white blooms on gold foliage.

VERONICA ●
(SPEEDWELL)
Veronica spicata

'GILES VAN HEES'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b

Dwarf form with dark green foliage and short, bright pink flower spikes.

'RED FOX'

Height: 12 in. (30 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Produces rose-red spikes in Summer.

PLANTHAVEN INT'L, INC. **ROYAL CANDLES**

Height: 15 to 18 in. (38 to 46 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b
'Glory'

Long-blooming, dwarf variety with solid, conical spikes of bright violet-blue flowers.

VINCA ●●
(MYRTLE)
Vinca minor

'BOWLES CUNNINGHAM'

Height: 5 to 8 in. (13 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 9b

Also known as 'Bowles.' Vigorous, spreading variety has thick, glossy leaves and sky blue flowers that are darker than standard *V. minor*.

PLANTHAVEN INT'L, INC. **'ILLUMINATION'**

Height: 4 in. (10 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 9b

Popular, low-growing, evergreen groundcover has variegated foliage and small, light lavender-blue flowers in Spring.

VIOLA 
(VIOLET)

Viola cornuta

DARWIN PERENNIALS
HALO SERIES



FirstYearFloweringTool.com
for easy scheduling

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: February to October
USDA Hardiness Zones: 4b to 9b

- Very heat tolerant.
- No vernalization required.
- Oversummers and overwinters.
- Larger flowers than Celestial.

'Halo Golden Yellow' PP30,900

'Halo Lemon Frost' Extra-large, two-toned flowers captivate customers for early sales. PP26,383

'Halo Lilac' CPBR4837; PP24,542

TOP SELLER 'Halo Sky Blue'
CPBR4838; PP24,541

'Halo Violet' CPBR4839; PP24,428



'Halo Sky Blue'

Excellent hardiness
for long-lasting
garden enjoyment.



'Halo Golden Yellow'



'Halo Lemon Frost'



'Halo Lilac'



'Halo Violet'



Viola Celestial Northern Lights



Viola Celestial Starry Night



Viola Celestial Twilight



Viola 'Etain'



Viola 'Rebecca Cawthorne'

VIOLA 
(VIOLET)
Viola cornuta

PLANTHAVEN INT'L, INC.
CELESTIAL™ SERIES

Height: 5 to 6 in. (13 to 15 cm)
Bloom Months: February to October
USDA Hardiness Zones: 5a to 10b

Ever-blooming, early-Spring perennial in bright, rich colors. Oversummers and overwinters; heat-tolerant, highly scented varieties bloom all Summer. No vernalization required.

Northern Lights 'SMEV4' PP24,591
Starry Night 'Lord Primrose' PP18,253
Twilight 'SMEV3' PP24,592

CELESTIAL is a U.S. trademark of PlantHaven, Inc.

'ETAİN'

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: February to October
USDA Hardiness Zones: 5a to 10b

Compact variety flowers profusely in Spring and Fall with large, fragrant, bicolor blooms.

VIOLA 
(VIOLET)
Viola pubescens

'REBECCA CAWTHORNE'

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: May
USDA Hardiness Zones: 5a to 9b

Fragrant, purple flowers splashed with white; sporadic reblooming.

REGIONAL TOP PICKS

This chart highlights top varieties from Darwin Perennials that will grow best in each season and region.

FLOWERING SEASON	PACIFIC NORTHWEST	SOUTHEAST	SOUTHWEST	
LATE WINTER	Dianthus Mountain Frost	Dianthus Mountain Frost	Dianthus Mountain Frost	
	Iberis 'Snowsation'	Iberis 'Snowsation'	Iberis 'Snowsation'	
	Lavender Primavera	Lavender Primavera	Lavender Primavera	
	Viola Halo	Viola Halo	Viola Halo	
EARLY SPRING	Alyssum 'Golden Spring'	Alyssum 'Golden Spring'	Alyssum 'Golden Spring'	
	Armeria Dreameria	Armeria Dreameria	Armeria Dreameria	
	Dianthus Mountain Frost	Delosperma Ocean Sunset	Delosperma Ocean Sunset	
	Heuchera Carnival	Dianthus Mountain Frost	Dianthus Mountain Frost	
	Iberis 'Snowsation'	Heuchera Carnival	Heuchera Carnival	
	Lavender 'Anouk', Primavera	Iberis 'Snowsation'	Iberis 'Snowsation'	
	Nepeta Junior Walker, Prelude, Whispurr	Lavender 'Anouk', Primavera	Lavender 'Anouk', Primavera	
	Salvia Lyrical, Marvel, Mirage	Nepeta Junior Walker, Prelude, Whispurr	Nepeta Junior Walker, Prelude, Whispurr	
	Veronica Moody Blues	Salvia Lyrical, Marvel, Mirage	Salvia Arctic Blaze, Lyrical, Marvel, Mirage	
	Viola Halo	Veronica Moody Blues	Veronica Moody Blues	
		Viola Halo	Viola Halo	
SPRING	Achillea Milly Rock, New Vintage	Achillea Milly Rock, New Vintage	Achillea Milly Rock, New Vintage	
	Armeria Dreameria	Armeria Dreameria	Armeria Dreameria	
	Artemisia SunFern	Artemisia SunFern	Artemisia SunFern	
	Buddleia Chrysalis	Buddleia Chrysalis	Buddleia Chrysalis	
	Brunnera Frostbite	Centaurea Silver Swirl	Centaurea Silver Swirl	
	Coreopsis 'Golden Stardust', 'Super Star', UpTick	Coreopsis 'Golden Stardust', 'Super Star', UpTick	Coreopsis 'Golden Stardust', 'Super Star', UpTick	
	Delosperma Ocean Sunset	Delosperma Ocean Sunset	Delosperma Ocean Sunset	
	Dianthus Mountain Frost	Dianthus Mountain Frost	Dianthus Mountain Frost	
	Digitalis Arctic Fox Rose	Digitalis Arctic Fox Rose	Digitalis Arctic Fox Rose	
	Echinacea Sombrero, Double Scoop	Echinacea Sombrero, Double Scoop	Echinacea Sombrero, Double Scoop	
	Heuchera Carnival	Heuchera Carnival	Heuchera Carnival	
	Iberis 'Summer Snowdrift'	Iberis 'Summer Snowdrift'	Iberis 'Summer Snowdrift'	
	Lavender Primavera, 'SuperBlue'	Lavender Primavera, 'SuperBlue'	Lavender Primavera, 'SuperBlue'	
	Leucanthemum Ooh La, 'Whitecap'	Leucanthemum Ooh La, 'Whitecap'	Leucanthemum Ooh La, 'Whitecap'	
	Miscanthus Bandwidth	Miscanthus Bandwidth	Miscanthus Bandwidth	
	Monarda Balmy, BeeMine	Monarda Balmy, BeeMine	Monarda Balmy, BeeMine	
	Nepeta Junior Walker, Prelude, Whispurr	Nepeta Junior Walker, Prelude, Whispurr	Nepeta Junior Walker, Prelude, Whispurr	
	Penstemon MissionBells Deep Rose, Quartz, Rock Candy	Penstemon MissionBells Deep Rose, Quartz, Rock Candy	Penstemon MissionBells Deep Rose, Quartz, Rock Candy	
	Salvia Lyrical, Marvel	Salvia Lyrical, Marvel	Salvia Lyrical, Marvel	
	Verbena Homestead Hot Pink	Verbena Homestead Hot Pink	Verbena Homestead Hot Pink	
Stachys Little Lamb	Stachys Little Lamb	Stachys Little Lamb		
Veronica Moody Blues	Veronica Moody Blues	Veronica Moody Blues		

REGIONAL TOP PICKS *Continued*

This chart highlights top varieties from Darwin Perennials that will grow best in each season and region.

FLOWERING SEASON	PACIFIC NORTHWEST	SOUTHEAST	SOUTHWEST	
SUMMER*	Achillea Milly Rock, New Vintage	Achillea Milly Rock, New Vintage	Achillea Milly Rock, New Vintage	
	Armeria Dreameria	Armeria Dreameria	Armeria Dreameria	
	Artemisia SunFern	Artemisia SunFern	Artemisia SunFern	
	Buddleia Chrysalis	Buddleia Chrysalis	Buddleia Chrysalis	
	Caryopteris 'Gold Crest', Emerald Crest, Grand Bleu	Caryopteris 'Gold Crest', Emerald Crest, Grand Bleu	Caryopteris 'Gold Crest', Emerald Crest, Grand Bleu	
	Delosperma Ocean Sunset	Delosperma Ocean Sunset	Delosperma Ocean Sunset	
	Digitalis Arctic Fox Rose	Digitalis Arctic Fox Rose	Digitalis Arctic Fox Rose	
	Heliopsis 'Sunstruck'	Heliopsis 'Sunstruck'	Heliopsis 'Sunstruck'	
	Iberis 'Summer Snowdrift'	Iberis 'Summer Snowdrift'	Iberis 'Summer Snowdrift'	
	Lavender Primavera, 'SuperBlue'	Kniphofia Glowstick	Kniphofia Glowstick	
	Leucanthemum Ooh La, 'Whitecap'	Lavender 'SuperBlue'	Lavender 'SuperBlue'	
	Monarda Balmy, BeeMine	Perovskia 'CrazyBlue'	Perovskia 'CrazyBlue'	
	Nepeta Prelude	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	
	Perovskia 'CrazyBlue'	Salvia Lyrical, Marvel	Salvia Lyrical, Marvel	
	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Scabiosa Flutter	Scabiosa Flutter	
	Salvia Lyrical, Marvel	Veronica Moody Blues		
	Scabiosa Flutter			
	Veronica Moody Blues			
FALL*	Achillea Milly Rock, New Vintage	Achillea Milly Rock, New Vintage	Achillea Milly Rock, New Vintage	
	Armeria Dreameria	Armeria Dreameria	Armeria Dreameria	
	Artemisia SunFern	Artemisia SunFern	Artemisia SunFern	
	Buddleia Chrysalis	Buddleia Chrysalis	Buddleia Chrysalis	
	Caryopteris 'Gold Crest', Emerald Crest, Grand Bleu	Caryopteris 'Gold Crest', Emerald Crest, Grand Bleu	Caryopteris 'Gold Crest', Emerald Crest, Grand Bleu	
	Coreopsis UpTick	Coreopsis UpTick	Coreopsis UpTick	
	Digitalis Arctic Fox Rose	Digitalis Arctic Fox Rose	Digitalis Arctic Fox Rose	
	Echinacea Sombrero, Double Scoop	Echinacea Sombrero, Double Scoop	Echinacea Sombrero, Double Scoop	
	Helenium Salud	Helenium Salud	Helenium Salud	
	Helianthus 'Autumn Gold'	Helianthus 'Autumn Gold'	Helianthus 'Autumn Gold'	
	Heuchera Carnival	Heuchera Carnival	Heuchera Carnival	
	Lavender Primavera, 'SuperBlue'	Kniphofia Glowstick	Kniphofia Glowstick	
	Miscanthus Bandwidth	Miscanthus Bandwidth	Miscanthus Bandwidth	
	Penstemon Rock Candy	Penstemon Rock Candy	Penstemon Rock Candy	
	Perovskia 'CrazyBlue'	Perovskia 'CrazyBlue'	Perovskia 'CrazyBlue'	
	Salvia Lyrical, Marvel, Mirage	Salvia Lyrical, Marvel, Mirage	Salvia Lyrical, Marvel, Mirage	

* Many of these varieties are included in our Summer and Fall culture trials.

	CANADA	MIDWEST	GREAT LAKES	NORTHEAST
	Achillea Milly Rock, New Vintage			
	Armeria Dreameria	Armeria Dreameria	Armeria Dreameria	Armeria Dreameria
	Artemisia SunFern	Artemisia SunFern	Artemisia SunFern	Artemisia SunFern
	Buddleia Chrysalis	Buddleia Chrysalis	Buddleia Chrysalis	Buddleia Chrysalis
	Caryopteris 'Gold Crest', Emerald Crest, Grand Bleu			
	Delosperma Ocean Sunset	Delosperma Ocean Sunset	Delosperma Ocean Sunset	Delosperma Ocean Sunset
	Digitalis Arctic Fox Rose			
	Heliopsis 'Sunstruck'	Echinacea Sombrero, Double Scoop	Heliopsis 'Sunstruck'	Echinacea Sombrero, Double Scoop
	Iberis 'Summer Snowdrift'	Heliopsis 'Sunstruck'	Iberis 'Summer Snowdrift'	Heliopsis 'Sunstruck'
	Lavender Primavera, 'SuperBlue'	Iberis 'Summer Snowdrift'	Lavender Primavera, 'SuperBlue'	Iberis 'Summer Snowdrift'
	Leucanthemum Ooh La, 'Whitecap'	Kniphofia Glowstick	Leucanthemum Ooh La, 'Whitecap'	Lavender Primavera, 'SuperBlue'
	Monarda Balmy, BeeMine	Lavender Primavera, 'SuperBlue'	Monarda Balmy, BeeMine	Leucanthemum Ooh La, 'Whitecap'
	Nepeta Junior Walker, Prelude, Whispurr	Leucanthemum Ooh La, 'Whitecap'	Nepeta Junior Walker, Prelude, Whispurr	Monarda Balmy, BeeMine
	Perovskia 'CrazyBlue'	Monarda Balmy, BeeMine	Penstemon MissionBells Deep Rose	Nepeta Junior Walker, Prelude, Whispurr
	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Nepeta Junior Walker, Prelude, Whispurr	Perovskia 'CrazyBlue'	Penstemon MissionBells Deep Rose
	Salvia Lyrical, Marvel	Penstemon MissionBells Deep Rose	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Perovskia 'CrazyBlue'
	Scabiosa Flutter	Perovskia 'CrazyBlue'	Salvia Lyrical, Marvel	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow
	Veronica Moody Blues	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Scabiosa Flutter	Salvia Lyrical, Marvel
		Salvia Lyrical, Marvel	Veronica Moody Blues	Scabiosa Flutter
		Scabiosa Flutter		Veronica Moody Blues
		Veronica Moody Blues		
	Achillea Milly Rock, New Vintage			
	Coreopsis UpTick	Coreopsis UpTick	Coreopsis UpTick	Coreopsis UpTick
	Artemisia SunFern	Artemisia SunFern	Artemisia SunFern	Artemisia SunFern
	Buddleia Chrysalis	Buddleia Chrysalis	Buddleia Chrysalis	Buddleia Chrysalis
	Digitalis Arctic Fox Rose			
	Echinacea Sombrero, Double Scoop			
	Helenium Salud	Helenium Salud	Helenium Salud	Helenium Salud
	Helianthus 'Autumn Gold'	Helianthus 'Autumn Gold'	Helianthus 'Autumn Gold'	Helianthus 'Autumn Gold'
	Heuchera Carnival	Heuchera Carnival	Heuchera Carnival	Heuchera Carnival
	Lavender Primavera, 'SuperBlue'	Kniphofia Glowstick	Lavender Primavera, 'SuperBlue'	Lavender Primavera, 'SuperBlue'
	Penstemon Rock Candy	Lavender Primavera, 'SuperBlue'	Miscanthus Bandwidth	Miscanthus Bandwidth
	Perovskia 'CrazyBlue'	Miscanthus Bandwidth	Penstemon Rock Candy	Penstemon Rock Candy
	Salvia Lyrical, Marvel	Penstemon Rock Candy	Perovskia 'CrazyBlue'	Perovskia 'CrazyBlue'
		Perovskia 'CrazyBlue'	Salvia Lyrical, Marvel	Salvia Lyrical, Marvel
		Salvia Lyrical, Marvel		

CULTURE GUIDE



All you need to grow
the finest perennials
in the industry.

DARWIN PERENNIALS ESSENTIAL CULTURE GUIDE

UPON RECEIPT

Unrooted perennials should be stuck as quickly as possible. Tender cuttings such as *Artemisia*, *Agastache*, *Lavandula*, *Perovskia* and *Salvia* should be immediate priority. Cuttings that cannot be stuck immediately should be maintained in a cooler at 40 to 45°F (4 to 7°C). Refer to the Propagation Guide for crop-specific suggestions. Generally speaking, herbaceous perennials benefit from a basal stem dip of IBA rooting hormone to speed up the rooting process. Be careful with misting levels. Perennials suffer from receiving too much mist more often than from too little mist.

Callused perennials have already begun the rooting process, arriving with less water loss than standard URCs. They *should not* be placed in the standard Day 1 mist area. Instead, they should begin at approximately 30–50% of the standard mist program, roughly the same amount of mist that standard cuttings would receive around Day 7 under mist. If using high humidity or tents at this stage, that is where callused cuttings should go. It is not necessary to use rooting hormones on callused cuttings, as they have already been treated at the farm. It is recommended to continue your standard protocols for using Pageant Intrinsic fungicide in propagation.

Rooted perennials should be unpacked and inspected for active root growth. It is often preferable to place recently received perennial liners on a bench or the ground for a few days to help them overcome transport stress. This is particularly important for liners that have been shipped in boxes. Water on arrival and look for new root activity prior to transplant, if possible.

AT TRANSPLANT

Well-rooted and toned perennial liners are able to withstand transplant stress very well. Critical to success, provide newly transplanted perennials with immediate irrigation. Watering at the end of the transplant line rather than after you've filled a bed greatly improves uniformity of new root establishment. In any case, do not allow media surface to dry after transplant for the first several days until new roots are extending into the media. Perennials do not like to be planted too deep. Generally speaking, perennial liners should be planted level with the soil surface.

Use a well-drained media containing properly composted bark. These types of perennial soil media are readily available. It is important that the media incorporates a surfactant to help ensure proper wetting and re-wetting of the media. The media should be stabilized to a pH of 5.8 to 6.2 and an EC of 1 to 1.2 using the Saturated Media Extract (SME) method.

FERTILIZATION

Perennials can be fed using liquid fertilizers on a periodic or constant feed basis. Liquid fertilizer rates can be found in the Perennial Finishing Guide. Use a balanced formula that complements the pH and alkalinity of your irrigation water. Liquid fertilizing offers advantages of greater flexibility and control over fertility levels, but can be difficult to administer economically when overhead irrigation is used. In the case of overhead irrigation, controlled release fertilizers (CRF) are preferable. Incorporate CRF into the media prior to planting based on manufacturer's recommendations, or top-dress after planting.

SPACING

Spring-planted perennials should be spaced to finished spacing after transplant. This allows better growing conditions and helps to avoid overcrowding and stretch. The added airflow will help reduce foliar diseases and allow for better insect control.

Fall-planted perennials can be spaced at transplant in temperate climates or placed pot-tight in climates where temperatures cause containers to freeze. In either case, proper spacing for the anticipated finished size of the plant will dramatically improve plant quality and reduce labor.

INSECTS AND DISEASES

Incoming perennial liners or cuttings should be inspected for pests and diseases. Apply appropriate treatments as needed.

After transplant, regular scouting and careful observation is critical to maintaining a healthy crop. The practice of integrated pest management (IPM) will reduce losses and pesticide costs by identifying and correcting problems before they escalate. If a pesticide treatment is necessary, please refer to the manufacturer's label regarding proper usage. It is always a good practice to test new varieties for phytotoxicity when making pesticide applications.

VERNALIZATION AND BULKING

A number of perennial species require a period of cold temperature exposure to flower. The length of time varies from just a few weeks below 50°F (10°C) to as much as 10 weeks below 40°F (4°C). Generally speaking, early Spring-flowering perennials like *Phlox subulata*, *Iberis* and *Alyssum* require a cold period to flower. Many perennials, such as *Salvia nemorosa*, *Monarda* and *Phlox paniculata* do not require vernalization to flower, but do benefit from a cold, short day bulking period. In these cases, Summer or Fall planting increases root and crown mass, and the corresponding flowering shoots on the plants. It has also been shown to hasten flowering in many species by up to 4 weeks.

OVERWINTERING

The keys to success when overwintering perennials are:

- Avoid standing water
- Provide adequate air circulation
- Use preventative disease treatments
- Remove dead leaf/tissue
- Utilize rodent control
- Low media EC when entering dormancy
- Avoid freeze-and-thaw cycles

The overwintering area, whether in a field or hoop house, should be sloped so that rain or other water sources cannot accumulate. In climates where Winter conditions freeze and thaw, cover prior to freeze and uncover as soon as possible. Where temperatures remain below freezing, cover after first freeze and maintain the cover until late Winter or early Spring when weather moderates. Remove dead and abscising leaves from herbaceous perennials like *Hosta*, *Monarda*, *Heliopsis* and dormant *Hemerocallis*. Apply a broad-spectrum fungicide prior to covering or closing hoop houses to reduce disease pressure.

Once weather conditions moderate, be sure to scout for insect and disease problems, and respond accordingly. Also, check pH and EC levels in the media. Perennials that emerge from dormancy will begin to grow rapidly, and the lack of adequate nutrition will lead to reduced branching, lower leaf loss and smaller flowers.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
18		ACHILLEA <i>Achillea hybrida</i>	Moon Dust	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA	
17		ACHILLEA <i>Achillea millefolium</i>	Milly Rock™ Series	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA	
15		ACHILLEA <i>Achillea millefolium</i>	New Vintage™ Series	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA	
21		AGASTACHE <i>Agastache rugosa</i>	'Little Adder'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
23		ALYSSUM <i>Alyssum wulfenianum</i>	'Golden Spring'	EC 0.80-1.0 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
26		ARMERIA <i>Armeria pseudarmeria</i>	Dreameria® Series	EC 0.80 mmhos/pH 5.8-6.2	70-74°F (21-23°C)	2,500 ppm IBA	
24		ARTEMISIA <i>Artemisia gmelinii</i>	SunFern™ Arcadia, SunFern™ Olympia	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
27		BRUNNERA <i>Brunnera macrophylla</i>	'Frostbite'	EC 0.75-0.80 mmhos/pH 5.8-6.2	68-72°F (21-22°C)	None	
28		BUDDLEIA <i>Buddleia hybrid</i>	Chrysalis™ Series	EC 0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
32		CARYOPTERIS <i>Caryopteris x clandonensis</i>	'Emerald Crest', 'Gold Crest'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000-3,000 ppm IBA	
32		CARYOPTERIS <i>Caryopteris x clandonensis</i>	Grand Bleu®	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000-3,000 ppm IBA	
31		CENTAUREA <i>Centaurea ragusina</i>	Silver Swirl	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
35		COREOPSIS <i>Coreopsis grandiflora</i>	Sunny Day	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
33, 34		COREOPSIS <i>Coreopsis hybrida</i>	'Golden Stardust', 'Super Star', UpTick™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA	
35		COREOPSIS <i>Coreopsis verticillata</i>	Crème Caramel	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
37		DELOSPERMA <i>Delosperma hybrida</i>	Ocean Sunset™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	



MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
Low to moderate	50-75 ppm N	Not necessary, remove premature flowers.	28-35 days after sticking	Do not over-mist.
Low to moderate	50-75 ppm N	Pinch to remove flower buds.	35-42 days after sticking	Mist enough to rehydrate cuttings. Do not over-mist beyond Day 2 or 3. Do not stick cuttings too deep. Tall leaves can be trimmed if necessary.
Low to moderate	50-75 ppm N	Not necessary, remove premature flowers.	28-35 days after sticking	Do not over-mist.
Low to moderate	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	28-35 days after sticking	Stick cuttings the day of arrival, if possible.
Low	50-75 ppm N	Recommended. Soft pinch. Lower nodes may become inactive.	35-42 days after sticking	This Alyssum requires light mist and soil moisture. Can be rooted under a dome or tent. Do not over-mist.
Low	100 ppm N starting at Day 7	Not necessary.	42-45 days after sticking	Quite easy to propagate. Do not over-mist. Remove from mist after 10 to 12 days. Allow media to dry slightly between irrigations to encourage root development.
Low to moderate	50-75 ppm N starting day 7	Pinch once, prior to transplant.	35-42 days after sticking	Mist enough to rehydrate cuttings. Do not over-mist beyond Day 2 or 3. Arcadia is particularly sensitive to over-misting in propagation.
Low mist or tenting	Balanced fertilizer 75-100 ppm	None	7-8 weeks	This is a tissue culture raised item. Please see our detailed tissue culture propagation guide at darwinperennials.com. This item is generally a Summer propagated item. Excessive heat can cause losses.
Low to moderate	50-75 ppm N starting at Day 7	Remove buds/flowers in propagation.	42-49 days after sticking	Buddleia Chrysalis series is very free flowering. Budding in cuttings does not affect rooting. Watch media moisture levels. Excessive moisture will delay rooting.
Low to moderate	50-75 ppm N	Pinch once in the liner stage.	35-42 days after sticking	Discontinue mist as quickly as possible once rooting occurs.
Low to moderate	50-75 ppm N	Pinch once in the liner stage.	35-42 days after sticking	Discontinue mist as quickly as possible once rooting occurs.
Low to moderate	50-75 ppm N starting day 7	Pinch once, prior to transplant.	35-42 days after sticking	Mist enough to rehydrate cuttings. Do not over-mist beyond Day 2 or 3.
Moderate	50-75 ppm N	Pinch once in the liner stage.	28-35 days after sticking	Begin fertilizing 7 days after stick. Avoid over-misting.
Moderate	50-75 ppm N	Pinch once in the liner stage.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Low	50-75 ppm N	Pinch once in the liner stage and once after transplant for best results.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Very low	50 ppm N starting at Day 7	Pinch once, prior to transplant.	35-42 days after sticking	Mist enough to rehydrate cuttings. Do not over-mist beyond Day 2 or 3. Do not oversaturate media.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
38		DELPHINIUM <i>Delphinium x hybrida</i>	'Red Lark'	5.8-6.2	68-72°F (21-22°C)	None	
40		DIANTHUS <i>Dianthus hybrida</i>	Pink Carpet, Pink PomPom, Pink Twinkle, Red Garnet, Rose Bouquet, Ruby Glitter, Ruby Snow, Silver Strike, White Twinkle	EC 0.80 mmhos/pH 5.8-6.2	68-70°F (20-21°C)	500 ppm IBA	
41		DIGITALIS <i>Digitalis hybrida</i>	Arctic Fox Series	EC 0.75-0.80 mmhos/pH 6.0-6.4	70-72°F (21-22°C)	1,000 ppm IBA basal dip	
43-45		ECHINACEA <i>Echinacea x hybrida</i>	Double Scoop™ Series, Sombrero Poco™ Series, Sombrero® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	72-78°F (21-24°C)	None	
46		ERYSIMUM <i>Erysimum linifolium</i>	'Bowles Me Away'	EC 0.80 mmhos/pH 5.8-6.2	68-70°F (20-21°C)	500 ppm IBA	
47		EUPATORIUM <i>Eupatorium dubium</i>	'Little Joe'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
47		EUPATORIUM <i>Eupatorium purpureum</i>	Euphoria™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
50		GAURA <i>Gaura lindheimeri</i>	Ballerina™ Series, Belleza® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	68-73°F (20-23°C)	500 ppm IBA	
49		GAURA <i>Gaura lindheimeri</i>	'Little Janie', 'Whiskers Deep Rose'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
52		HELENIUM <i>Helenium autumnale</i>	Salud™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
57		HELIANTHUS <i>Helianthus salicifolius</i>	'Autumn Gold'	EC 0.80 mmhos/pH 5.8-6.2	70-74°F (21-23°C)	500 ppm IBA	
58		HELIOPSIS <i>Heliopsis helianthoides</i>	Summer Eclipse	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
57		HELIOPSIS <i>Heliopsis helianthoides</i>	'Sunstruck'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
60		HEUCHERA <i>Heuchera x hybrida</i>	Carnival Series	EC 0.80-1.0 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA	
61		HEUCHERA <i>Heuchera x villosa</i>	'Big Top Caramel Apple'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-74°F (21-23°C)	None	



MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
Low mist or tenting	Balanced fertilizer 75-100 ppm	None	42-49 days	This is a tissue culture raised item. Please see our detailed tissue culture propagation guide at darwinperennials.com .
Very low	50 ppm N starting at Day 7	Pinch to remove any flower buds.	42-49 days after sticking	Dianthus require very low mist settings to root. Over-misting will result in slow rooting and high losses in propagation.
Low to moderate	50-75 ppm N	Not typical in propagation.	42-49 days after sticking	Digitalis root slowly with first roots showing 15 to 18 days after stick. However, it is best to discontinue mist prior to visible root, as they root more quickly when not over-misted and when media is allowed to dry slightly between waterings.
Low; prefers high humidity to mist	50 ppm N starting at Day 7	Not necessary.	49-56 days after sticking	Please refer to our complete Tissue Culture Echinacea guide at DarwinPerennials.com for detailed rooting information.
Low	Begin feeding 50-75 ppm N 10 days after sticking	Pinch 21-25 days after sticking.	42-49 days after sticking	Don't oversaturate media. Low mist levels work best.
High for first few days, then reduce to moderate.	50-100 ppm N	Recommended.	42-49 days after sticking	
Low to moderate	50 ppm N starting at Day 7	Yes, pinch once in propagation around Day 21.	42-49 days after sticking	Eupatorium are quite easy to root. Use a basal hormone tip to ensure rooting uniformity.
Low to moderate	75-100 ppm N when roots become visible; increase to 150-200 ppm N as roots develop	Yes, 7 days before transplanting.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Low to moderate	50-75 ppm N when roots become visible	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Moderate	50-75 ppm N	Pinch once in the liner stage.	42-49 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Low	Feed at 100 ppm N after 9 days	Pinch once shoots elongate for best branching.	35-42 days after sticking	Typically remove from propagation area after two weeks. Don't keep rooting media excessively wet. Use long-day lighting when propagating when day length is less than 12 hours.
Moderate to high for first 24 hours, then reduce to low	50 ppm N starting at Day 7	Recommended after roots are established. Leave 4-5 active internodes.	42-49 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation. Long day obligate plant. Must provide long days in propagation.
Low	50-75 ppm N when roots become visible	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation. Long day obligate plant. Must provide long days in propagation.
Low to moderate	50-75 ppm N after 14 days	Not necessary.	8-10 weeks after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
Low; prefers high humidity rather than mist.	50 ppm N starting at Day 7	Not necessary.	56-63 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Review our Heuchera Tissue Culture guide at darwinperennials.com/Culture/ProductionGuides .

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
63		IBERIS <i>Iberis hybrid</i>	'Summer Snowdrift'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
64		IBERIS <i>Iberis sempervirens</i>	'Snowsation'	EC 0.80 mmhos/pH 5.8-6.2	68-72°F (20-22°C)	300 ppm IBA	
62		KNIPHOFIA <i>Kniphofia uvaria</i>	Glowstick	EC 1.2-1.5 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
67		LAVANDULA <i>Lavandula angustifolia</i>	'Annet'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
67		LAVANDULA <i>Lavandula angustifolia</i>	'SuperBlue'	EC 0.75-0.80 mmhos/pH 5.9-6.2	70-72°F (21-22°C)	500 ppm IBA	
70		LAVANDULA <i>Lavandula stoechas</i>	Anouk Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
71		LAVANDULA <i>Lavandula stoechas</i>	Primavera	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
75		LEUCANTHEMUM <i>Leucanthemum x superbum</i>	'Santé'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
75		LEUCANTHEMUM <i>Leucanthemum x superbum</i>	'White Magic'	EC 0.80 mmhos/pH 5.8-6.4	68-74°F (20-23°C)	500 ppm IBA	
72		LEUCANTHEMUM <i>Leucanthemum x superbum</i>	'Whitecap'	EC 0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
77		LYSIMACHIA <i>Lysimachia alfredii</i>	'Night Light'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
80		MONARDA <i>Monarda didyma</i>	Balmy™ Series	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
79		MONARDA <i>Monarda didyma</i>	BeeMine™ Series	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
87		NEPETA <i>Nepeta subsessilis</i>	Prelude™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA	
86		NEPETA <i>Nepeta x faassenii</i>	Junior Walker™	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA	
83		NEPETA <i>Nepeta x faassenii</i>	Whispurr™ Series	EC 0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	



MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
Low to moderate	50-75 ppm N when roots become visible	Recommended after roots are established. Leave active internodes.	28-35 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation. Cuttings typically arrive with flowers already induced due to cool night temperatures in Colombia. Non-induced cuttings require 6 weeks of night temperatures below 55°F (13°C) to flower.
Low to moderate	100 ppm N starting at Day 10	Yes, pinch after 4 weeks. Can be double pinched in the liner stage for even greater branching.	42-49 days after sticking	Iberis benefit from a basal IBA dip prior to sticking. Do not over-mist or high losses can occur.
Low	50 ppm N when roots become visible	Not necessary.	12 weeks after sticking	May be transplanted sooner than 12 weeks, but bulking in the liner is more efficient than in the finished container.
Low; prefers high humidity rather than mist.	50-75 ppm N	Recommended.	42-56 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Low; prefers high humidity rather than mist.	50-75 ppm N	Recommended.	42-56 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Low; prefers high humidity rather than mist.	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	42-56 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Low; prefers high humidity rather than mist.	50 ppm N starting at Day 7	Recommended after roots are established. Leave 4-5 active internodes.	42-56 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Low	50-75 ppm N	Not typically necessary.	42-56 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
Low to moderate	75-100 ppm N starting at Day 7	Pinch while young plants are soft and actively growing.	35-42 days after sticking	Pinch any premature buds as they become visible.
Low to moderate	50 ppm N starting at Day 7	Pinch 21 days after sticking.	35-42 days after sticking	For fastest, most reliable rooting, do not oversaturate rooting media.
Moderate to high for first 24 hours, then reduce to low.	50 ppm N starting at Day 7	One or two pinches prior to transplant.	42-49 days after sticking	Lysimachia should root quickly. Watch for oversaturated media.
Moderate	50-75 ppm N	Recommended.	28-35 days after sticking	Do not oversaturate rooting media. Use long-day lighting when day length is less than 12 hours to keep plants actively growing.
Moderate	50-75 ppm N	Pinch once, prior to transplant.	35-42 days after sticking	Do not oversaturate rooting media. Use long-day lighting when day length is less than 12 hours to keep plants actively growing.
Moderate	50-75 ppm N	Recommended.	35-42 days after sticking	Roots quickly. Plan to pinch in liner tray.
Moderate	50-75 ppm N	Recommended.	35-42 days after sticking	Roots quickly. Plan to pinch in liner tray.
Low to moderate	50-75 ppm N	Yes, pinch 14-18 days after stick.	35-42 days after sticking	Nepeta root easily. Over-misting causes slow rooting and leaf spot diseases.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
88		OENOTHERA <i>Oenothera missouriensis</i>	'Evening Sun'	EC 1.2-1.5 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
89		PENSTEMON <i>Penstemon barbatus</i>	Rock Candy® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
91-92		PENSTEMON <i>Penstemon hybrida</i>	'Cherry Sparks', MissionBells™ Series, Quartz® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
94		PEROVSKIA <i>Perovskia atriplicifolia</i>	'CrazyBlue'	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000-1,500 ppm IBA	
93		PEROVSKIA <i>Perovskia atriplicifolia</i>	Little Lace	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000-1,500 ppm IBA	
100		PHLOX <i>Phlox paniculata</i>	'Cherry Cream'	EC 0.80 mmhos/pH 5.8-6.2	68-74°F (20-23°C)	500 ppm IBA	
96		PHLOX <i>Phlox paniculata</i>	Ka-Pow® Series	EC 0.80 mmhos/pH 5.8-6.2	68-74°F (20-23°C)	500 ppm IBA	
97		PHLOX <i>Phlox paniculata</i>	Super Ka-Pow™ Series	EC 0.80 mmhos/pH 5.8-6.2	68-74°F (20-23°C)	500 ppm IBA	
105		POLEMONIUM <i>Polemonium pulcherrimum</i>	'Golden Feathers'	EC 0.75-0.80 mmhos/pH 5.8-6.2	68-72°F (21-22°C)	None	
115		SALVIA <i>Salvia greggii</i>	Mirage™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
114		SALVIA <i>Salvia greggii</i>	'Radio Red'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
116		SALVIA <i>Salvia hybrida</i>	Arctic Blaze® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
111		SALVIA <i>Salvia hybrida</i>	'Blue by You'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
109		SALVIA <i>Salvia nemorosa</i>	Lyrical™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
107-108		SALVIA <i>Salvia nemorosa</i>	'Blue Marvel', 'Rose Marvel', 'Sky Blue Marvel'	EC 0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA basal dip	
56		SALVIA <i>Salvia officinalis</i>	Silver Scent	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	



MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
Low to moderate	50 ppm N when roots become visible	Benefits from one pinch prior to transplant.	42-45 days after sticking	Don't oversaturate the media. Remove from mist once root initials are visible.
Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N	Recommended.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N	Recommended.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N after 10 days	Recommended.	35-42 days after sticking	Do not oversaturate rooting media. Allow media to dry moderately starting 10 days after sticking to encourage root development.
Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N after 10 days	Recommended.	35-42 days after sticking	Do not oversaturate rooting media. Allow media to dry moderately starting 10 days after sticking to encourage root development.
Low to moderate	75-100 ppm N starting at Day 7	Yes, while young plants are soft and actively growing.	42-49 days after sticking	Plants grow more actively under long days. Use 13-hour extended day lighting for Winter propagation.
Low to moderate	75-100 ppm N starting at Day 7	Yes, while young plants are soft and actively growing. Allow at least two leaf internodes at each pinch.	42-49 days after sticking	Plants grow more actively under long days. Use 13-hour extended day lighting for Winter propagation.
Low to moderate	75-100 ppm N starting at Day 7	Yes, while young plants are soft and actively growing. Allow two internodes at each pinch.	42-49 days after sticking	Plants grow more actively under long days. Use 13-hour extended day lighting for Winter propagation.
Low mist or tenting	Balanced fertilizer 50-75 ppm once rooted to the bottom	None	7-8 weeks after sticking	This is a tissue culture raised item. Please see our detailed tissue culture propagation guide at darwinperennials.com .
Moderate	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
Moderate	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Begin fertilizing 7 days after stick.
Moderate	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Roots quickly. Plan to pinch in liner tray.
Low	50-75 ppm N at Day 7	A soft pinch will increase branching.	35-42 days after sticking	Discontinue mist as quickly as possible and only mist to avoid leaf wilt. Begin feeding 7 days after sticking with 50-75 ppm N.
Low	50-75 ppm N at Day 7	A soft pinch will increase branching.	35-42 days after sticking	Discontinue mist as quickly as possible and only mist to avoid leaf wilt. Begin feeding 7 days after sticking with 50-75 ppm N.
Low	50-75 ppm N at Day 7	A soft pinch will increase branching.	35-42 days after sticking	Over-misting and saturated propagation media will dramatically delay rooting and increase rooting losses. Discontinue mist as quickly as possible and only mist to avoid leaf wilt.
Low	50-75 ppm N only after rooted	A soft pinch will increase branching.	35-42 days after sticking	Discontinue mist as quickly as possible and only mist to avoid leaf wilt. Begin feeding 7 days after sticking with 50-75 ppm N.

DARWIN PERENNIALS PROPAGATION GUIDE

PAGE	CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE
117	 SCABIOSA <i>Scabiosa columbaria</i>	Flutter™ Series	EC 0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA
120	 SEDUM <i>Sedum middendorffianum</i>	'Yellow Diamonds'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
122	 SEDUM <i>Sedum rupestre</i>	Prima Angelina	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
121	 SEDUM <i>Sedum spurium</i>	What a Doozie	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
125	 STACHYS <i>Stachys byzantina</i>	Little Lamb	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
127	 VERBENA <i>Verbena canadensis</i>	'Homestead Hot Pink'	EC 0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	None
130	 VERONICA <i>Veronica austriaca</i>	Venice Blue	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
128	 VERONICA <i>Veronica hybrid</i>	Skyward™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
129	 VERONICA <i>Veronica hybrida</i>	Moody Blues® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
131	 VERONICA <i>Veronica x hybrida</i>	'Purpleicious'	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
132	 VIOLA <i>Viola cornuta</i>	Halo Series	EC 0.80-1.0 mmhos/pH 5.5-5.8	70-72°F (21-22°C)	500-750 ppm IBA



MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
Low to moderate	75-100 ppm N starting at Day 10	Typically not necessary. Remove premature flower buds as they appear.	42-49 days after sticking	Scabiosa cuttings are sensitive to over-misting and over-watering in propagation.
Low	50 ppm N when roots become visible	Typically not necessary in propagation.	35-42 days after sticking	Do not over-mist. Oversaturated rooting media will slow the rooting process and contribute to stem rot. Remove from mist environment before or as soon as roots appear.
Very low	50-75 ppm N	Typically not necessary in propagation.	35-42 days after sticking	Do not over-mist. Oversaturated rooting media will slow the rooting process and contribute to stem rot. Remove from mist environment as soon as roots appear.
Very low	50-75 ppm N	Typically not necessary in propagation.	35-42 days after sticking	Do not over-mist. Oversaturated rooting media will slow the rooting process and contribute to stem rot. Remove from mist environment as soon as roots appear.
Low to moderate	50-75 ppm N starting day 7	Pinch once, prior to transplant.	35-42 days after sticking	Mist enough to rehydrate cuttings. Do not over-mist beyond Day 2 or 3.
Low to moderate	50-75 ppm N starting Day 7	Yes, one to two times in propagation.	35-42 days after sticking	Do not oversaturate rooting media.
Moderate	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Roots quickly. Plan to pinch in liner tray.
Moderate	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Roots quickly. Plan to pinch in liner tray. Too wet will delay rooting
Moderate	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Roots quickly. Plan to pinch in liner tray.
Moderate	50-75 ppm N	Recommended after roots are established. Leave 4-5 active internodes.	35-42 days after sticking	Roots quickly. Plan to pinch in liner tray.
Moderate for first 24-48 hours, then reduce to low.	50-75 ppm N at Day 7	Soft pinch recommended 25-28 days after sticking.	35-42 days after sticking	Excessive media moisture will slow rooting. Begin fertilizing at Day 7 with 75 ppm N.

DARWIN PERENNIALS FINISHING GUIDE

PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT- CANDLES	WATERING	FERTILIZATION
18		ACHILLEA <i>Achillea hybrida</i>	Moon Dust	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
17		ACHILLEA <i>Achillea millefolium</i>	Milly Rock™ Series	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day facultative	No	2,500 to 4,500	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
15		ACHILLEA <i>Achillea millefolium</i>	New Vintage™ Series	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
21		AGASTACHE <i>Agastache rugosa</i>	'Little Adder'	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	Long day facultative	No	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
23		ALYSSUM <i>Alyssum wulfenianum</i>	'Golden Spring'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	Day length neutral	Yes	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
26		ARMERIA <i>Armeria pseudarmeria</i>	Dreameria® Series	5.8-6.2	Nights: 55°F (13°C) Days: 68°F (20°C)	Day length neutral	No	3,000 to 5,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
24		ARTEMISIA <i>Artemisia gmelinii</i>	SunFern™ Arcadia, SunFern™ Olympia	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
27		BRUNNERA <i>Brunnera macrophylla</i>	'Frostbite'	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	Day length neutral	Yes, required for flowering; however, plants sell as foliage.	1,500 to 2,500	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.
28		BUDDLEIA <i>Buddleia hybrid</i>	Chrysalis™ Series	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	Long day facultative	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
32		CARYOPTERIS <i>Caryopteris x clandonensis</i>	'Emerald Crest', 'Gold Crest'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
32		CARYOPTERIS <i>Caryopteris x clandonensis</i>	Grand Bleu®	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
31		CENTAUREA <i>Centaurea ragusina</i>	Silver Swirl	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)		No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
35		COREOPSIS <i>Coreopsis grandiflora</i>	Sunny Day	5.8-6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry evenly between watering.	Maintain constant fertilization at 150 to 200 ppm N.
33		COREOPSIS <i>Coreopsis hybrida</i>	'Golden Stardust'	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
33		COREOPSIS <i>Coreopsis hybrida</i>	'Super Star'	5.8-6.2	Nights: 55 to 65°F (13 to 17°C) Days: 60 to 80°F (15 to 27°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.

	PINCHING AFTER TRANSPLANT	PLANT GROWTH REGULATORS	PESTS AND FUNGAL DISEASES	CROP SCHEDULE & USES					
				1-QT. (10-CM) POT, 1 PLANT PER POT	1-GAL. (15-CM) POT, 1 PLANT PER POT	2 TO 3-GAL. (25 TO 30-CM) POT, 3 PLANTS PER POT	HEIGHT	USDA HARDINESS ZONES	BLOOM MONTHS
	Recommended	PGRs generally not needed	Pythium and rhizoctonia can result from overwatering.	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	12-14 in. (30-36 cm)	5-8	June to July
	Typically not required	PGRs generally not needed	Aphids on the buds	Rooted: 6 wks	Rooted: 6-8 wks	Not recommended	10-12 in. (25-30 cm)	4-9	April to September
	Typically not required	PGRs generally not needed	Pythium and rhizoctonia can result from overwatering.	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	26-28 in. (66-71 cm)	4-9	April to September
	Recommended	PGRs generally not needed	Thrips, white fly	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	15-18 in. (38-46 cm)	5-9	April to September
	Recommended	PGRs generally not needed	None noted	Unrooted: stick week 30-35 Rooted: plant week 35-40	Unrooted: stick week 26-32 Rooted: plant week 31-36	Unrooted: stick week 22-26 Rooted: plant week 27-31	6-8 in. (15-20 cm)	4-9	April to May
	No	PGRs generally not needed	Watch for crown rot if overwatered.	Liner: 10-12 wks	Liner: 14-16 wks	Liner: 16-18 wks	10-12 in. (25-30 cm)	5-9	March to October
	Typically not required	B-Nine/ Cycocel sprays 2,500/1,000 ppm	Not particularly sensitive. Use well-drained media.	Not recommended	Rooted: 6-8 wks	10-12 wks	14-18 in. (36-46 cm)	4-9	Non-flowering
	None	PGRs generally not needed	Pythium and rhizoctonia can result from overwatering.	Not recommended	10-12 wks	12-14 wks	6-9 in. (15-23 cm)	4-9	April to May
	Typically not required	PGRs generally not needed	Not particularly sensitive. Use well-drained media.	Not recommended	8-10 wks	10-12 wks	20-28 in. (51-71 cm)	5-9	March to October
	One pinch, two to three weeks after transplant	PGRs generally not needed	Thrips, spider mites	Not recommended	Rooted: 12-14 wks	Rooted: 14 wks	28-36 in. (71-91 cm)	6-9	August to October
	No	PGRs generally not needed	Spider mites	Not recommended	Rooted: 12-14 wks	Rooted: 14 wks	48 in. (122 cm)	6-9	August to October
	Typically not required		Not particularly sensitive. Use well-drained media.	Not recommended	Rooted: 6-8 wks	10-12 wks	8-11 in. (20-28 cm)	6-9	June to July
	Recommended	B-Nine 1,500 ppm/ Cycocel 800 ppm tank mix for height control	Keep good air movement to control powdery mildew.	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	18-24 in. (46-61 cm)	4-9	June to September
	Yes	PGRs generally not needed	Spider mites, thrips	Rooted: 7-8 wks	Rooted: 10-12 wks	Rooted: 12-14 wks	12-14 in. (30-36 cm)	5-9	March to November
	Yes	PGRs generally not needed	Spider mites, thrips	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	14-16 in. (36-41 cm)	5-9	March to November

DARWIN PERENNIALS FINISHING GUIDE

PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT- CANDLES	WATERING	FERTILIZATION	
34		COREOPSIS <i>Coreopsis hybrida</i>	UpTick™ Series	5.8-6.2	Nights: 55 to 65°F (13 to 17°C) Days: 60 to 80°F (15 to 27°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
35		COREOPSIS <i>Coreopsis verticillata</i>	Crème Caramel	5.8-6.2	Days: 55 to 80°F (13 to 27°C)	Long day obligate	Beneficial to enhance bulking and plant size.	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
37		DELOSPERMA <i>Delosperma hybrida</i>	Ocean Sunset™ Series	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	Day length neutral	No	5,000 to 8,000	Low to moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.	
38		DELPHINIUM <i>Delphinium x hybrida</i>	'Red Lark'	5.8-6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 70°F (16 to 21°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm N.	
40		DIANTHUS <i>Dianthus hybrida</i>	Pink Carpet, Pink PomPom, Pink Twinkle, Red Garnet, Ruby Glitter, Ruby Snow	5.8-6.2	45 to 60°F (7 to 16°C)	Day length neutral	Beneficial for an increased quantity of Spring blooms.	3,000 to 5,000	Low to moderate	Use a balanced fertilizer at a rate of 125 to 150 ppm N.	
40		DIANTHUS <i>Dianthus hybrida</i>	Rose Bouquet	5.8-6.2	45 to 60°F (7 to 16°C)	Day length neutral	Beneficial for an increased quantity of Spring blooms.	3,000 to 5,000	Low to moderate	Use a balanced fertilizer at a rate of 125 to 150 ppm N.	
40		DIANTHUS <i>Dianthus hybrida</i>	Silver Strike	5.8-6.2	45 to 60°F (7 to 16°C)	Day length neutral	Beneficial for an increased quantity of Spring blooms.	3,000 to 5,000	Low to moderate	Use a balanced fertilizer at a rate of 125 to 150 ppm N.	
40		DIANTHUS <i>Dianthus hybrida</i>	White Twinkle	5.8-6.2	45 to 60°F (7 to 16°C)	Day length neutral	Beneficial for an increased quantity of Spring blooms.	3,000 to 5,000	Low to moderate	Use a balanced fertilizer at a rate of 125 to 150 ppm N.	
41		DIGITALIS <i>Digitalis hybrida</i>	Arctic Fox Series	5.8-6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)	Long day facultative	No	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
43		ECHINACEA <i>Echinacea x hybrida</i>	Double Scoop™ Series	5.8-6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	No	3,500 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
45		ECHINACEA <i>Echinacea x hybrida</i>	Sombrero Poco™ Series	5.8-6.2	60 to 68°F (16 to 20°C)	Long day obligate	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.	
44		ECHINACEA <i>Echinacea x hybrida</i>	Sombrero® Series	5.8-6.2	60 to 68°F (16 to 20°C)	Long day obligate	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.	
46		ERYSIMUM <i>Erysimum linifolium</i>	'Bowles Me Away'	5.8-6.2	50 to 60°F (10 to 16°C)	Day length neutral	No	3,000 to 5,000	Low to moderate	150 to 175 ppm N.	
47		EUPATORIUM <i>Eupatorium dubium</i>	'Little Joe'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry moderately between watering. Prefers moist soils.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
47		EUPATORIUM <i>Eupatorium purpureum</i>	Euphoria™ Series	5.8-6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.	

	PINCHING AFTER TRANSPLANT	PLANT GROWTH REGULATORS	PESTS AND FUNGAL DISEASES	CROP SCHEDULE & USES					
				1-QT. (10-CM) POT, 1 PLANT PER POT	1-GAL. (15-CM) POT, 1 PLANT PER POT	2 TO 3-GAL. (25 TO 30-CM) POT, 3 PLANTS PER POT	HEIGHT	USDA HARDINESS ZONES	BLOOM MONTHS
	Yes	PGRs generally not needed	Spider mites, thrips	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	12-14 in. (30-36 cm)	5-9	March to November
	Recommended	PGRs generally not needed	Powdery mildew, aphids	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	18 in. (46 cm)	5-9	May to July
	Typically not required	PGRs generally not needed	Aphids on the buds	Rooted: 6 wks	9-11 wks	Not recommended	4-6 in. (10-15 cm)	5-9	March to October
	None	PGRs generally not needed	Watch for typical pests such as thrips, white fly, spider mites and aphids.	Not recommended	Winter: 12-16 wks; Summer: 10-12 wks	Winter: 12-16 wks; Summer: 10-12 wks	24-28 in. (61-71 cm)	5-8	April to July
	No	PGRs generally not needed	Thrips, carnation mottle virus	18-20 wks, including 6 wks below 50°F (10°C)	18-20 wks, including 6 wks below 50°F (10°C)	Not recommended	6-8 in. (15-20 cm)	4-9	March to October
	No	PGRs generally not needed	Thrips, carnation mottle virus	18-20 wks, including 6 wks below 50°F (10°C)	18-20 wks, including 6 wks below 50°F (10°C)	Not recommended	10-12 in. (25-30 cm)	4-9	March to October
	No	PGRs generally not needed	Thrips, carnation mottle virus	18-20 wks, including 6 wks below 50°F (10°C)	18-20 wks, including 6 wks below 50°F (10°C)	Not recommended	8-10 in. (20-25 cm)	4-9	March to October
	No	PGRs generally not needed	Thrips, carnation mottle virus	18-20 wks, including 6 wks below 50°F (10°C)	18-20 wks, including 6 wks below 50°F (10°C)	Not recommended	5-6 in. (13-15 cm)	4-9	March to October
	Recommended for more flowers per plant. Not required.	PGRs generally not needed	Aphids, white fly, spider mites	Not recommended	Rooted: 12-14 wks	Rooted: 14 wks	18-24 in. (46-61 cm)	5-9	April to September; Natural season flowering
	No	None	None noted	14-16 wks Spring plant; 11-13 wks Summer plant for Fall	14-16 wks Spring plant; 11-13 wks Summer plant for Fall	14-16 wks Spring plant; 11-13 wks Summer plant for Fall	22-24 in. (56-61 cm)	4-9	June to August
	Only to remove premature flower buds.	PGRs generally not needed	Not particularly sensitive. Use well-drained media.	Not recommended	10-12 wks	Not recommended	14-16 in. (36-41 cm)	4-9	June to August
	Only to remove premature flower buds.	Not recommended. 300 ppm Configure 2 weeks after transplant when greenhouse grown will reduce overall plant height.	Not particularly sensitive. Use well-drained media.	Not recommended	10-12 wks	Liner: 16-18 wks	18-20 in. (46-51 cm)	4-9	June to August
	Yes, a second pinch is often beneficial.	Sumagic 5-10 ppm spray	Watch for bacterial infections.	6-8 wks	10-12 wks	12-14 wks	18-24 in. (46-61 cm)	6-8	March to September
	Recommended	Concise/Sumagic 30-60 ppm spray	None noted	Not recommended	Rooted: 20 wks	Rooted: 20 wks	36-48 in. (91-122 cm)	3-9	July to September
	One pinch, two to three weeks after transplant.	PGRs generally not needed	Aphids, white fly, spider mites	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks Natural flowering in early July	Unrooted: 15-17 wks Rooted: 10-12 wks Natural flowering early July	24-32 in. (61-81 cm)	4-9	July to October

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PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT- CANDLES	WATERING	FERTILIZATION
50		GAURA <i>Gaura lindheimeri</i>	Ballerina™ Series, Belleza® Series	5.8-6.2	Nights: 56 to 61°F (13 to 16°C) Days: 71 to 76°F (21 to 24°C)	Day length neutral	No	5,000 to 9,000	Allow media to dry slightly between watering.	Maintain constant fertilization at 175 to 225 ppm N.
49		GAURA <i>Gaura lindheimeri</i>	'Little Janie'	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 55 to 60°F (13 to 16°C)	Day length neutral	No	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
49		GAURA <i>Gaura lindheimeri</i>	'Whiskers Deep Rose'	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 55 to 60°F (13 to 16°C)	Day length neutral	No	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
52		HELENIUM <i>Helenium autumnale</i>	Salud™ Series	5.8-6.2	Nights: 55 to 65°F (13 to 17°C) Days: 60 to 80°F (15 to 27°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
57		HELIANTHUS <i>Helianthus salicifolius</i>	'Autumn Gold'	5.8-6.2	55 to 70°F (13 to 21°C)	Short day obligate	No	5,000 to 8,000	Low to moderate	Use a balanced fertilizer at a rate of 150 ppm N.
58		HELIOPSIS <i>Heliopsis helianthoides</i>	Summer Eclipse	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	Long day obligate	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
57		HELIOPSIS <i>Heliopsis helianthoides</i>	'Sunstruck'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day obligate	Beneficial; aids in bulking.	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.
60		HEUCHERA <i>Heuchera x hybrida</i>	Carnival Series	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	Day length neutral	No	1,500 to 2,500	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.
61		HEUCHERA <i>Heuchera x villosa</i>	'Big Top Caramel Apple'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Day length neutral	No	1,500 to 2,500	Moderate	Use a balanced fertilizer at a rate of 125 to 150 ppm N.
63		IBERIS <i>Iberis hybrid</i>	'Summer Snowdrift'	5.8-6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	Day length neutral	Cuttings supplied from Darwin Colombia receive enough cold to induce into flower, so growers will not need to vernalize.	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
64		IBERIS <i>Iberis sempervirens</i>	'Snowsation'	5.8-6.2	45 to 60°F (7 to 16°C)	Day length neutral	Yes	3,000 to 5,000	Low to moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
62		KNIPHOFIA <i>Kniphofia uvaria</i>	Glowstick	5.8-6.2	68 to 72°F (20 to 22°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
67		LAVANDULA <i>Lavandula angustifolia</i>	'Annet'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
67		LAVANDULA <i>Lavandula angustifolia</i>	'SuperBlue'	5.9-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
70		LAVANDULA <i>Lavandula stoechas</i>	Anouk Series	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	Day length neutral	Beneficial for earlier flowering and more blooms.	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.

	PINCHING AFTER TRANSPLANT	PLANT GROWTH REGULATORS	PESTS AND FUNGAL DISEASES	CROP SCHEDULE & USES					
				1-QT. (10-CM) POT, 1 PLANT PER POT	1-GAL. (15-CM) POT, 1 PLANT PER POT	2 TO 3-GAL. (25 TO 30-CM) POT, 3 PLANTS PER POT	HEIGHT	USDA HARDINESS ZONES	BLOOM MONTHS
	Recommended	PGRs generally not needed	Pythium, rhizoctonia, botrytis	Unrooted: 10-13 wks Rooted: 7-10 wks	Unrooted: 12-15 wks, 2-3 ppp Rooted: 9-12 wks, 2-3 ppp	Unrooted: 14-16 wks, 3-5 ppp Rooted: 11-13 wks, 3-5 ppp	12-18 in. (30-46 cm)	6-9	April to September
	Recommended	PGRs generally not needed	Spider mites, aphids	Unrooted: 12-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	16-18 in. (41-46 cm)	6-9	April to September
	Recommended	PGRs generally not needed	Spider mites, aphids	Unrooted: 12-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	14-16 in. (36-41 cm)	6-9	April to September
	Yes	PGRs generally not needed	Spider mites, thrips	Not recommended	Rooted: 10-12 wks	Rooted: 10-12 wks	14-16 in. (36-41 cm)	4-9	July to September
	Typically not necessary if plants were pinched in the liner.	PGRs generally not needed	Very pest and disease resistant.	Not recommended	12-14 wks, Plant Week 22-26	12-14 wks, Plant Week 22-26	24-26 in. (61-66 cm)	5-10	September to November
	Yes, in cases where there are two or less shoots.	B-Nine/ Cycocel sprays 2,500/1,000 ppm	Not particularly sensitive. Use well-drained media.	Not recommended	9-11 wks	10-12 wks	24-30 in. (61-76 cm)	4-9	June to September
	Recommended	PGRs generally not needed	Pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids.	Unrooted: 14-16 wks Rooted: 8-10 wks	Unrooted: 16-19 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	14-16 in. (36-41 cm)	4-9	June to August
	No	PGRs generally not needed	Pythium and rhizoctonia can result from overwatering.	6-8 wks	10-12 wks	12-14 wks	10-12 in. (25-30 cm)	4-9	April to May
	No	PGRs generally not needed	Watch for crown rot if overwatered.	Not recommended	Rooted: 6-8 wks	10-12 wks	16-18 in. (41-46 cm)	4-9	April to May
	Recommended	PGRs generally not needed	May experience root rot diseases under poor growing conditions. Aphids.	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 16-18 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	10-12 in. (25-30 cm)	6-9	May to October
	Only if pinching not done in the liner stage.	PGRs generally not needed	Not particularly sensitive.	24 wks; requires vernalization	24 wks; requires vernalization	Not recommended	6-8 in. (15-20 cm)	4-9	February to April
	None	PGRs generally not needed	Pythium can result from overwatering. Aphids can also be a problem.	Not recommended	12-14 wks for Summer to Fall flowering	14-16 wks for Summer to Fall flowering	26-29 in. (66-74 cm)	6-9	July to November
	Once for smaller pot sizes, twice for larger containers.	PGRs generally not needed	Thielaviopsis, pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids, fungus gnats.	Unrooted: 14-16 wks Rooted: 7-8 wks	Unrooted: 16-19 wks Rooted: 9-11 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	16-18 in. (41-46 cm)	5-9	April to September
	Once for smaller pot sizes, twice for larger containers.	PGRs generally not needed	Thielaviopsis, pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids, fungus gnats.	Unrooted: 14-16 wks Rooted: 7-8 wks	Unrooted: 16-19 wks Rooted: 9-11 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	10-12 in. (25-30 cm)	5-8	April to September
	Recommended	PGRs generally not needed	Thielaviopsis, pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids, fungus gnats.	7-10 wks	9-11 wks, 1-3 ppp	10-12 wks, 3-5 ppp	14-18 in. (36-46 cm)	6-9	March to July

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PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT- CANDLES	WATERING	FERTILIZATION
71		LAVANDULA <i>Lavandula stoechas</i>	Primavera	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.
75		LEUCANTHEMUM <i>Leucanthemum x superbum</i>	'Santé'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	Beneficial for bulking and earlier flowering.	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
75		LEUCANTHEMUM <i>Leucanthemum x superbum</i>	'White Magic'	5.8-6.2	55 to 65°F (13 to 18°C)	Long day facultative	No	5,000 to 8,000	Moderate; more required when in flower.	Use a balanced fertilizer at a rate of 150 to 200 ppm N.
72		LEUCANTHEMUM <i>Leucanthemum x superbum</i>	'Whitecap'	5.8-6.2	Nights: 55°F (13°C) Days: 68°F (20°C)	Long day facultative	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
77		LYSIMACHIA <i>Lysimachia alfredii</i>	'Night Light'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Day length neutral	No	1,500 to 2,500	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
51		MISCANTHUS <i>Miscanthus sinensis</i>	Bandwidth	5.8-6.5	65 to 75°F (18 to 24°C)	Long day facultative	No	5,000 to 8,000	Low to moderate	Low
51		MISCANTHUS <i>Miscanthus sinensis</i>	High Frequency	5.8-6.2	60 to 68°F (16 to 20°C)	Short day obligate	No	5,000 to 8,000	Low to moderate	Use a balanced fertilizer at a rate of 100 to 125 ppm.
51		MISCANTHUS <i>Miscanthus sinensis</i>	My Fair Maiden	5.8-6.5	65 to 75°F (18 to 24°C)	Short day obligate	No	5,000 to 8,000	Low to moderate	Low
80		MONARDA <i>Monarda didyma</i>	Balmy™ Series	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	Beneficial for bulking and earlier flowering.	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
79		MONARDA <i>Monarda didyma</i>	BeeMine™ Series	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day obligate	Beneficial for bulking and earlier flowering. Not required for flowering.	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm N.
87		NEPETA <i>Nepeta subsessilis</i>	Prelude™ Series	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
86		NEPETA <i>Nepeta x faassenii</i>	Junior Walker™	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
83		NEPETA <i>Nepeta x faassenii</i>	Whispurr™ Series	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Long day facultative	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
88		OENOTHERA <i>Oenothera missouriensis</i>	'Evening Sun'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 150 ppm.
89		PENSTEMON <i>Penstemon barbatus</i>	Rock Candy® Series	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Long day facultative	No	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm N.

	PINCHING AFTER TRANSPLANT	PLANT GROWTH REGULATORS	PESTS AND FUNGAL DISEASES	CROP SCHEDULE & USES					
				1-QT. (10-CM) POT, 1 PLANT PER POT	1-GAL. (15-CM) POT, 1 PLANT PER POT	2 TO 3-GAL. (25 TO 30-CM) POT, 3 PLANTS PER POT	HEIGHT	USDA HARDINESS ZONES	BLOOM MONTHS
	A final pinching 8 to 10 weeks before flowering will help to increase flower count.	PGRs generally not needed	Thielaviopsis, pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids, fungus gnats.	7-10 wks	9-11 wks	10-12 wks	16-18 in. (41-46 cm)	7-9	Year round depending on location
	Recommended	PGRs generally not needed	Watch for leaf spots when growing in wet conditions.	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	22-26 in. (56-66 cm)	4-9	June to August
	Typically not required	B-Nine/Cycocel at 1,800/800 will reduce plant height	Watch for aphids when in bud.	Not recommended	Rooted: 8-10 wks	Rooted: 10-12 wks	20-24 in. (51-61 cm)	5-9	May to August
	Typically not required	PGRs generally not needed	Watch for crown rot if overwatered.	7-10 wks	9-11 wks	Not recommended	14-16 in. (36-41 cm)	5-9	March to October
	Typically not required	PGRs generally not needed	Not particularly sensitive. Use well-drained media.	6-8 wks	9-11 wks	10-12 wks	10-12 in. (25-30 cm)	5-9	Year round depending on location
	No	None	Rust resistant	8-10 wks	14-16 wks	20-24 wks, 1 ppp	30-36 in. (76-91 cm)	5-9	October to November
	No	PGRs generally not needed	Watch for crown rot if overwatered.	Not recommended	Not recommended	Liner: 16-18 wks	80-86 in. (203-218 cm)	5-9	September to October
	No	None	Rust resistant	Not recommended	16-18 wks	24-26 wks, 1 ppp	72-102 in. (183-259 cm)	5-9	October to November
	Recommended	PGRs generally not needed	Powdery mildew may be present if grown under poor air circulation and high humidity. White fly, spider mites.	Unrooted: 12-14 wks Rooted: 8-10 wks	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 14-16 wks Rooted: 12-14 wks	10-12 in. (25-30 cm)	4-9	June to July
	Typically not required	PGRs generally not needed	Powdery mildew when pressure is high.	Not recommended	9-11 wks	10-12 wks	15-18 in. (38-46 cm)	4-9	June to July
	Not necessary when pinched in liner.	Use B-Nine/Cycocel 2,500/800 ppm to control height	Aphids, white fly, spider mites	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	28-36 in. (71-91 cm)	4-9	March to September
	Recommended	PGRs generally not needed	White fly	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	18 in. (46 cm)	4-8	May to September
	Typically not required	B-Nine/Cycocel sprays 2,500/1,000 ppm	Spider mites, thrips	Not recommended	9-11 wks	10-12 wks	24-28 in. (61-71 cm)	4-9	April to September
	Typically not required	PGRs generally not needed	Watch for crown rot if overwatered.	6-8 wks	10-12 wks	12-14 wks	3-6 in. (8-15 cm)	5-9	March to October
	Yes	PGRs generally not needed	Spider mites, thrips. Watch for INSV/TSWV.	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	12 in. (30 cm)	5-8	April to September

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PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT- CANDLES	WATERING	FERTILIZATION
91		PENSTEMON <i>Penstemon hybrida</i>	'Cherry Sparks'	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Long day facultative	No	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
92		PENSTEMON <i>Penstemon hybrida</i>	MissionBells™ Series	5.8-6.2	Nights: 45 to 70°F (7 to 21°C) Days: 55 to 80°F (13 to 27°C)	Long day obligate	No	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
92		PENSTEMON <i>Penstemon hybrida</i>	Quartz® Series	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Long day obligate	No	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
94		PEROVSKIA <i>Perovskia atriplicifolia</i>	'CrazyBlue'	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
93		PEROVSKIA <i>Perovskia atriplicifolia</i>	Little Lace	5.8-6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
100		PHLOX <i>Phlox paniculata</i>	'Cherry Cream'	5.8-6.2	60 to 75°F (16 to 24°C)	Long day obligate	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 200 ppm N.
96		PHLOX <i>Phlox paniculata</i>	Ka-Pow® Series	5.8-6.2	60 to 75°F (16 to 24°C)	Long day obligate	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 200 ppm N.
97		PHLOX <i>Phlox paniculata</i>	Super Ka-Pow™ Series	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	Long day obligate	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
105		POLEMONIUM <i>Polemonium pulcherrimum</i>	'Golden Feathers'	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	Yes	1,500 to 2,500	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.
115		SALVIA <i>Salvia greggii</i>	Mirage™ Series	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Day length neutral	No	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
114		SALVIA <i>Salvia greggii</i>	'Radio Red'	5.8-6.2	Nights: 45 to 70°F (7 to 21°C) Days: 55 to 80°F (13 to 27°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
116		SALVIA <i>Salvia hybrida</i>	Arctic Blaze® Series	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.
111		SALVIA <i>Salvia hybrida</i>	'Blue by You'	5.8-6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	Day length neutral	Beneficial: aids in bulking. Not required for flowering.	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 200 ppm.
109		SALVIA <i>Salvia nemorosa</i>	Lyrical™ Series	5.8-6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	Day length neutral	Beneficial: aids in bulking. Not required for flowering.	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 200 ppm.
107-108		SALVIA <i>Salvia nemorosa</i>	'Blue Marvel', 'Rose Marvel', 'Sky Blue Marvel'	5.8-6.2	55 to 65°F (13 to 18°C)	Day length neutral	Beneficial: aids in bulking. Not required for flowering.	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 175 to 200 ppm N.

	PINCHING AFTER TRANSPLANT	PLANT GROWTH REGULATORS	PESTS AND FUNGAL DISEASES	CROP SCHEDULE & USES					
				1-QT. (10-CM) POT, 1 PLANT PER POT	1-GAL. (15-CM) POT, 1 PLANT PER POT	2 TO 3-GAL. (25 TO 30-CM) POT, 3 PLANTS PER POT	HEIGHT	USDA HARDINESS ZONES	BLOOM MONTHS
	Yes	PGRs generally not needed	White fly, spider mites	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	18-20 in. (46-51 cm)	5-9	May to August
	Yes	PGRs generally not needed	White fly, spider mites	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	20-24 in. (51-61 cm)	5-9	June to August
	Yes	PGRs generally not needed	Spider mites	Not recommended	Unrooted: 19-22 wks Rooted: 12-14 wks	Unrooted: 21-23 wks Rooted: 14-16 wks	20-24 in. (51-61 cm)	6-9	July to August
	Recommended	PGRs generally not needed	Pythium can be a problem if overwatered. White fly, spider mites.	Not recommended	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 14-16 wks Rooted: 10-12 wks	28-30 in. (71-76 cm)	4-9	July to September
	Recommended	PGRs generally not needed	Pythium can be a problem if overwatered. White fly, spider mites.	Not recommended	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 14-16 wks Rooted: 10-12 wks	18-24 in. (46-61 cm)	4-9	July to September
	Yes, in cases where there are two or less shoots.	Configure at 600 ppm to increase branching	Powdery mildew when pressure is high.	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks, 3 ppp	22-26 in. (56-66 cm)	4-9	June to August
	Yes, in cases where there are two or less shoots.	Configure at 600 ppm to increase branching	Powdery mildew when pressure is high.	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	16-18 in. (41-46 cm)	4-9	June to August
	Yes, in cases where there are two or less shoots.	Configure at 600 ppm to increase branching	Powdery mildew when pressure is high.	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	18-20 in. (46-51 cm)	4-9	June to August
	None	PGRs generally not needed	Pythium and rhizoctonia can result from overwatering.	6-8 wks	10-12 wks	12-14 wks	6-8 in. (15-20 cm)	5-9	April to June
	Yes	PGRs generally not needed	White fly, thrips	Rooted: 6-8 wks	Rooted: 8-10 wks	Rooted: 12-14 wks	12-14 in. (30-36 cm)	7-9	March to September
	Once for smaller pot sizes, twice for larger containers.	PGRs generally not needed	White fly, spider mites	Unrooted: 12-14 wks Rooted: 8-10 wks	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 16-18 wks Rooted: 12-14 wks	16-18 in. (41-46 cm)	7-10	March to September
	Yes	PGRs generally not needed	Thrips	Not recommended	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 16-18 wks Rooted: 12-14 wks	24 in. (61 cm)	6-11	March to September
	Yes	PGRs generally not needed	White fly, spider mites, botrytis	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 17-19 wks Rooted: 12-14 wks	20-22 in. (51-56 cm)	4-9	March to September
	Yes	PGRs generally not needed	White fly, spider mites, botrytis	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 17-19 wks Rooted: 12-14 wks	22-24 in. (56-61 cm)	4-9	March to September
	Typically not required	Will respond to 300 ppm Configure spray at young plant level	Spider mites	Not recommended	10-12 wks	12-14 wks	14-16 in. (36-41 cm)	4-9	March to September

DARWIN PERENNIALS FINISHING GUIDE

PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT- CANDLES	WATERING	FERTILIZATION	
56		SALVIA <i>Salvia officinalis</i>	Silver Scent	5.8-6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	Short day obligate	Beneficial; aids in bulking. Not required for flowering.	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 200 ppm.	
117		SCABIOSA <i>Scabiosa columbaria</i>	Flutter™ Series	5.5-6.2	55 to 65°F (13 to 18°C)	Day length neutral	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.	
120		SEDUM <i>Sedum middendorffianum</i>	'Yellow Diamonds'	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 150 ppm.	
122		SEDUM <i>Sedum rupestre</i>	Prima Angelina	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
121		SEDUM <i>Sedum spurium</i>	What a Doozie	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
125		STACHYS <i>Stachys byzantina</i>	Little Lamb	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)		No	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm N.	
127		VERBENA <i>Verbena canadensis</i>	'Homestead Hot Pink'	5.8-6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	Long day facultative	No	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 150 to 175 ppm N.	
130		VERONICA <i>Veronica austriaca</i>	Venice Blue	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	Day length neutral	Yes	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
128		VERONICA <i>Veronica hybrid</i>	Skyward™ Series	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 70°F (16 to 21°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
129		VERONICA <i>Veronica hybrida</i>	Moody Blues® Series	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 70°F (16 to 20°C)	Long day facultative	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
131		VERONICA <i>Veronica x hybrida</i>	'Purpleicious'	5.8-6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	Long day obligate	Beneficial for bulking and earlier flowering.	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
132		VIOLA <i>Viola cornuta</i>	Halo Series	5.5-5.8	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	Day length neutral	No	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced Pansy/Viola fertilizer at a rate of 125 to 150 ppm.	

	PINCHING AFTER TRANSPLANT	PLANT GROWTH REGULATORS	PESTS AND FUNGAL DISEASES	CROP SCHEDULE & USES					
				1-QT. (10-CM) POT, 1 PLANT PER POT	1-GAL. (15-CM) POT, 1 PLANT PER POT	2 TO 3-GAL. (25 TO 30-CM) POT, 3 PLANTS PER POT	HEIGHT	USDA HARDINESS ZONES	BLOOM MONTHS
	Yes	PGRs generally not needed		Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 17-19 wks Rooted: 12-14 wks	21-24 in. (53-61 cm)	5-9	April to May
	Typically not required	PGRs generally not needed	Very disease resistant. Watch for root and crown rot under poor growing conditions.	Not recommended	Rooted: 10-12 wks	Rooted: 10-12 wks	12-14 in. (30-36 cm)	5-9	March to September
	One pinch, two to three weeks after transplant.	PGRs generally not needed	Generally pest and disease free.	Unrooted: 10-12 wks Rooted: 6 wks	Unrooted: 12-14 wks Rooted: 8-10 wks	Not recommended	7-10 in. (18-25 cm)	5-9	July to August
	One pinch, two to three weeks after transplant.	PGRs generally not needed	Generally pest and disease free.	Unrooted: 10-12 wks Rooted: 6 wks	Unrooted: 12-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	3-6 in. (8-15 cm)	4-9	Non-flowering
	One pinch, two to three weeks after transplant.	PGRs generally not needed	Generally pest and disease free.	Unrooted: 10-12 wks Rooted: 6 wks	Unrooted: 12-14 wks Rooted: 8-10 wks	Not recommended	2-5 in. (5-13 cm)	5-9	July to August
	Typically not required		Not particularly sensitive. Use well-drained media.	Rooted: 4-6 wks	Rooted: 6-8 wks	10-12 wks	2-5 in. (5-13 cm)	4-8	June to July
	Typically not required	B-Nine/ Cycocel sprays 2,500/1,000 ppm	Not particularly sensitive. Use well-drained media.	4-6 wks	6-8 wks	Not recommended	4-6 in. (10-15 cm)	6-9	March to October
	Yes	PGRs generally not needed	Aphids	Unrooted: Plant by Week 40 (North), Week 45 (South) Rooted: Stick by Week 35 (North), Week 40 (South)	Unrooted: Plant by Week 35 (North), Week 40 (South) Rooted: Stick by Week 30 (North), Week 35 (South)	Unrooted: Plant by Week 32 (North), Week 37 (South) Rooted: Stick by Week 28 (North), Week 32 (South)	10-12 in. (25-30 cm)	4-9	March to April
	Yes	PGRs generally not needed	Aphids, white fly	Not recommended	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 16-18 wks Rooted: 12-14 wks	14-18 in. (36-46 cm)	4-9	April to September
	Yes	PGRs generally not needed	Aphids, white fly	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 16-18 wks Rooted: 12-14 wks	12-14 in. (30-36 cm)	4-9	May to October
	Yes	PGRs generally not needed	Aphids, white fly	Not recommended	Unrooted: Plant by Week 35 (North), Week 40 (South) Rooted: Stick by Week 30 (North), Week 35 (South)	Unrooted: Plant by Week 32 (North), Week 37 (South) Rooted: Stick by Week 28 (North), Week 32 (South)	16-20 in. (41-51 cm)	5-8	June to August
	Recommended	PGRs generally not needed	Watch for thielaviopsis, pythium, white fly, spider mites.	Unrooted: 11-13 wks Rooted: 6-8 wks	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 13-15 wks Rooted: 8-10 wks	8-10 in. (20-25 cm)	4-9	February to October

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Buddleia Chrysalis™ Pink
Best Heat Tolerant Perennial



Heliopsis Summer Eclipse
Best of Species



Echinacea Sombrero Rosada
Director's Select



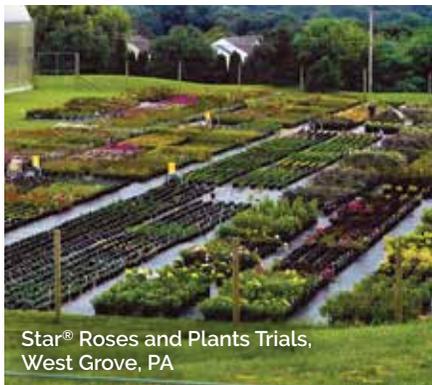
The Gardens at Ball,
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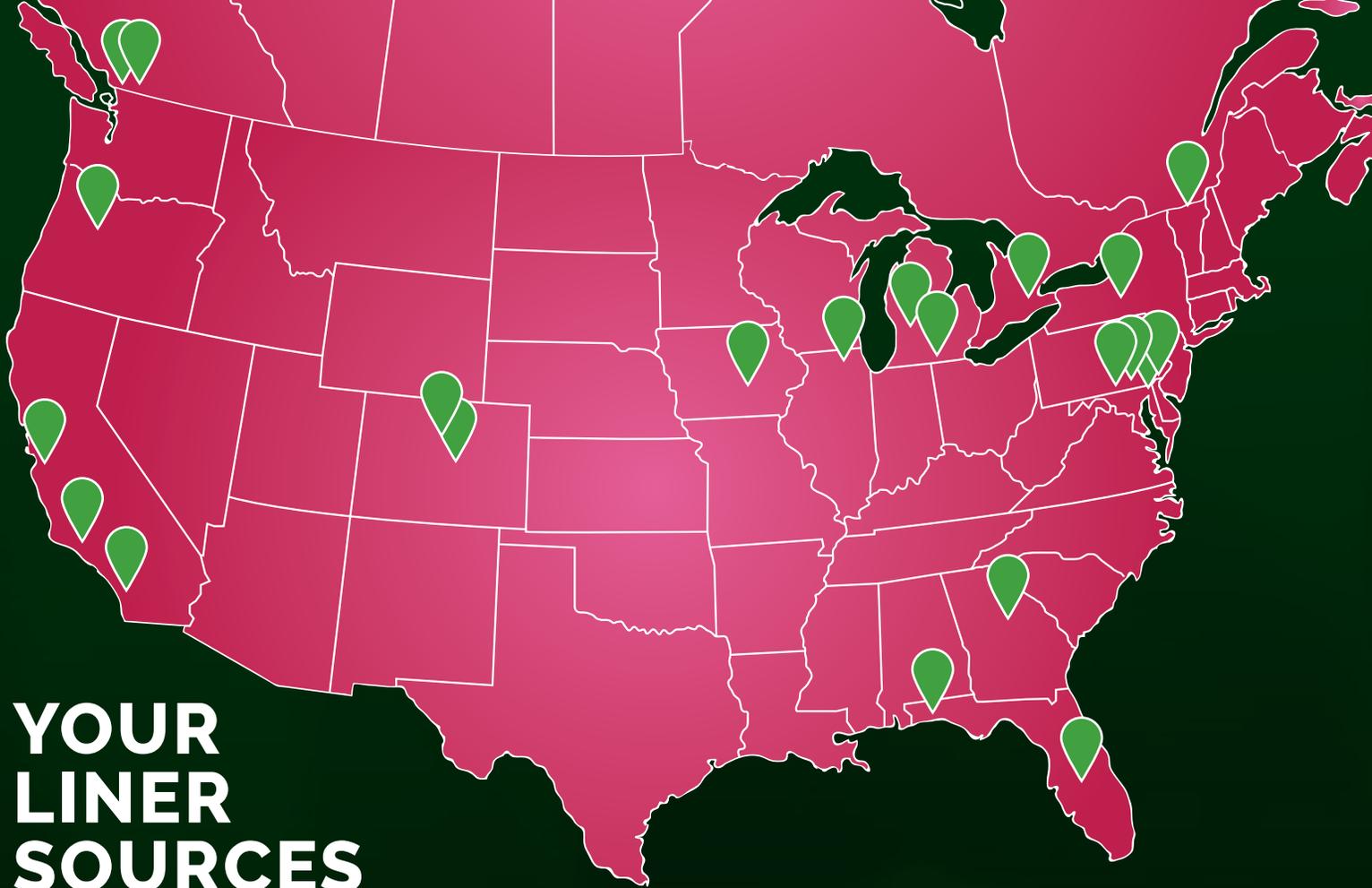
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