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DARWIN PERENNIALS®

BaïSeed®



ABOVE & BEYOND PERENNIAL STANDARDS

Darwin Perennials goes beyond the industry standard for perennials with our latest lineup for 2023. We have exciting offerings for shade, heat, cold and color! You'll also find our reliable supply of **Stage three tissue culture-raised plants**, available for popular varieties like NEW Delphinium 'Red Lark', featuring a unique coral-red color with strong retail appeal. For information on our tissue culture products, see page 13.

In addition, we are dedicated to providing growers with expert educational opportunities like Darwin Perennials University, where details about new products, culture and growing information can be found. See page 7 or visit darwinperennials.com/university.

Another outstanding resource is our interactive First-Year-Flowering Tool, which helps you schedule a wide range of our first-year-flowering perennials! Turn to page 8 or visit FirstYearFloweringTool.com.

We are proud to offer high-quality cuttings from our **Darwin Colombia farm**. We continue to expand and improve production by investing in our people and our facilities. Discover what's new at the farm on page 10.

For product details, program selection and more, contact your Ball Seed® Sales Representative today!

Sincerely,

Seth Reed
Sales & Marketing Manager
630 588-3473 | SReed@darwinperennials.com



DARWIN PERENNIALS VARIETIES

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See page 163 for full product index.



Achillea Milly Rock™
Yellow Terracotta;
pg 19



Brunnera
'Frostbite';
pg 29

NEW FOR 2023



Delphinium
'Red Lark',
pg 41



Echinacea Sombrero Poco™
Hot Pink (shown here),
Red and White,
pg 47



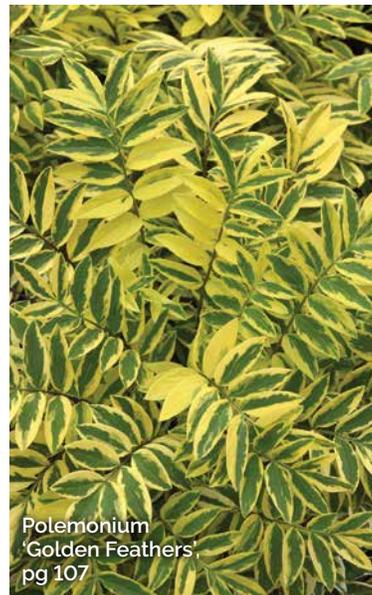
Kniphofia
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Polemonium
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Sedum
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Sedum
'Yellow Diamonds',
pg 122



Veronica Skyward™
Pink (shown here) and Blue,
pg 128

NEW VARIETIES

NEW



Agastache
'Blue Bayou',
pg 22

TRUSTED BREEDER PARTNER

WALTERS GARDENS

Expanding on the Finest Genetics

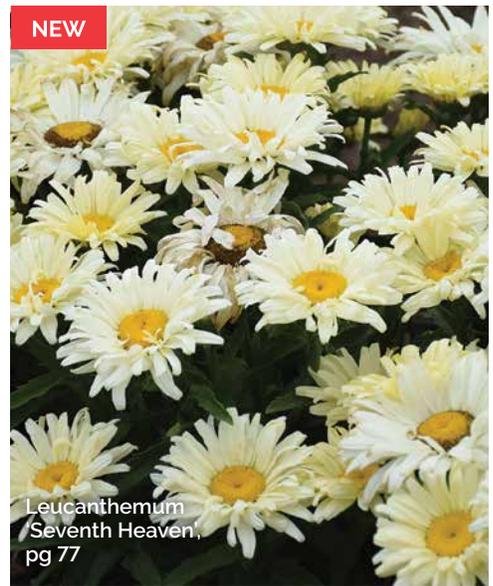
Walters Gardens, Inc. has built its reputation on offering the highest-quality perennial liners available as unrooted cuttings.

We are proud to continue our partnership with Walters Gardens by offering their genetics from Darwin Colombia. This season, the selection includes many new varieties in a range of popular classes, expanding our unbeatable selection of the finest genetics in perennials.

Here is a sample of their latest introductions:

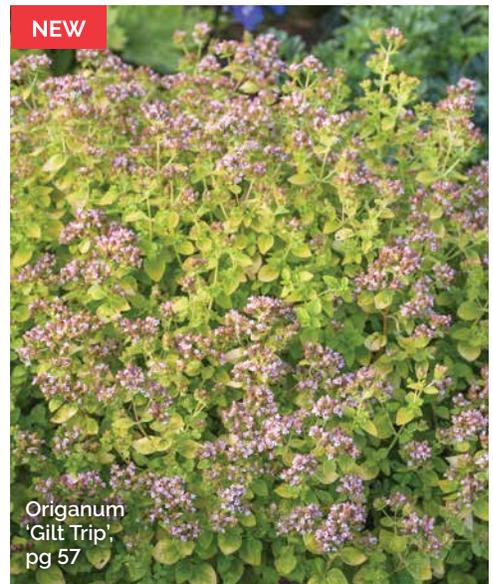
NEW Agastache 'Blue Bayou'	22
NEW Buddleia 'Pink Cascade II'	32
NEW Leucanthemum 'Ice Cream Dream'	77
NEW Leucanthemum 'Seventh Heaven'	77
NEW Origanum (Ornamental Oregano) 'Gilt Trip'	57
NEW Perovskia 'Prime Time'	96
NEW Sedum 'Glitterbug'	121
NEW Phlox Baby Doll White	102
NEW Sedum 'Night Embers'	124

NEW



Leucanthemum
'Seventh Heaven',
pg 77

NEW



Origanum
'Gilt Trip',
pg 57





NEW

Buddleia
'Butterfly Gold',
pg 31



NEW

Delosperma
'Mountain Dew',
pg 39



Euphorbia
'Bonfire',
pg 52



NEW

Leucanthemum
'Sunshine Freak!',
pg 77

TRUSTED BREEDER PARTNER

MUST HAVE PERENNIALS®

Tried & Trusted™

We continue building our lasting partnership with Must Have Perennials by adding four new varieties, along with popular plants and bringing back some of the classics that continue to please. After years of rigorous trialing and testing, you can count on Must Have Perennials to provide you with only the best.

Must Have Perennials offers high-quality unrooted cuttings available exclusively through Darwin Perennials – bringing innovation to the perennial market.

Don't miss these must-have varieties in this year's catalog

Achillea Little Moonshine	18
NEW Buddleia 'Butterfly Gold'	31
Centaurea 'Amethyst in Snow'	33
NEW Delosperma 'Mountain Dew'	39
NEW Delosperma 'Orange Crush'	39
Euphorbia 'Bonfire'	52
NEW Leucanthemum Sunshine Freak!.....	77
Lychnis Petite Jenny	79
Lychnis Petit Henri.....	79
Verbena 'Lollipop'	127





Eupatorium
Euphoria™ Ruby,
pg 51



Salvia Sensation™ Compact
Deep Blue,
pg 112

TRUSTED BREEDER PARTNER

FLORENSIS

Global Partners

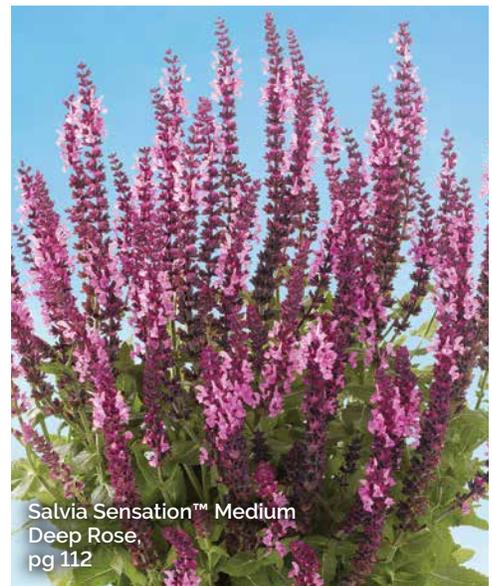
Florensis is a breeder and young plant producer in The Netherlands, with decades of experience in the perennial marketplace.

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

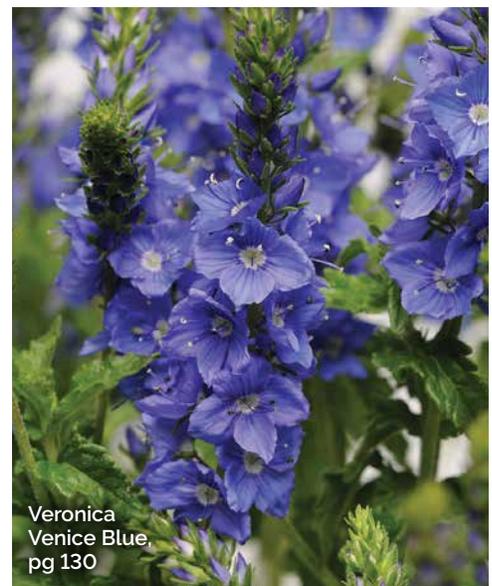
Florensis has been providing professional growers with excellent plant propagation materials and solutions since 1941. We are pleased to include a wide assortment of their top-quality varieties from Darwin Colombia.

Take a look at these outstanding perennials:

NEW Achillea Milly Rock™ Yellow Terracotta.....	19
Eupatorium Euphoria™ Ruby.....	51
Leucanthemum Ooh La™ 'LaSpider'.....	77
Salvia Sensation™ Compact Deep Blue and Medium Deep Rose.....	112
Veronica Venice Blue.....	130



Salvia Sensation™ Medium
Deep Rose,
pg 112



Veronica
Venice Blue,
pg 130



NEW



Veronica Skyward Blue, pg 128

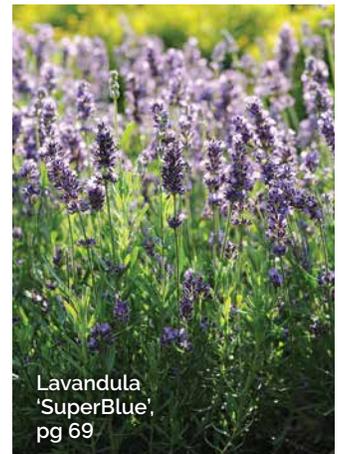
TOP POLLINATOR PLANTS

We've gathered all the best pollinator-friendly varieties that are known to attract bees, butterflies, hummingbirds and more. Check out these buzz-worthy perennials that are sure to captivate.

Agastache 'Little Adder'.....	23
Buddleia Chrysalis™ Series.....	30
Caryopteris 'Gold Crest' and Grand Bleu®.....	34
Digitalis Arctic Fox Rose.....	44
Echinacea Sombrero® Series.....	46
Echinacea Sombrero Poco™ Series.....	47
Lavandula Anouk Series.....	72
Lavandula Primavera.....	73
Lavandula 'SuperBlue'.....	69
Monarda Balmy™ Series.....	84
Monarda BeeMine™ Series.....	83
Nepeta Junior Walker™.....	89
Nepeta Prelude™ Series.....	90
Nepeta Whispurr™ Series.....	87
Penstemon MissionBells™ Deep Rose.....	95
Penstemon Quartz® Series.....	95
Penstemon Rock Candy® Series.....	92
Perovskia 'CrazyBlue'.....	97
Salvia Arctic Blaze® Series.....	118
Salvia Lyrical™ Series.....	111
Salvia Marvel Collection.....	109-110
Salvia Mirage™ Series.....	117
Scabiosa Flutter™ Series.....	119
Veronica Moody Blues® Series.....	129
NEW Veronica Skyward™ Series.....	128



Echinacea Sombrero® Poco White, pg 47



Lavandula 'SuperBlue', pg 69



Salvia
'Blue by You',
pg 116



Echinacea
Sombbrero® Series,
pg 46



Heuchera
Carnival Series,
pg 63

DYNAMIC LANDSCAPE PERFORMERS

Darwin Perennials offers a wide selection of durable, hardy varieties that offer great performance in all conditions. From bold, enduring colors to drought, heat and cold tolerance, these long-lasting plants are bred, trialed and selected for impressive success in the landscape.

Spring:

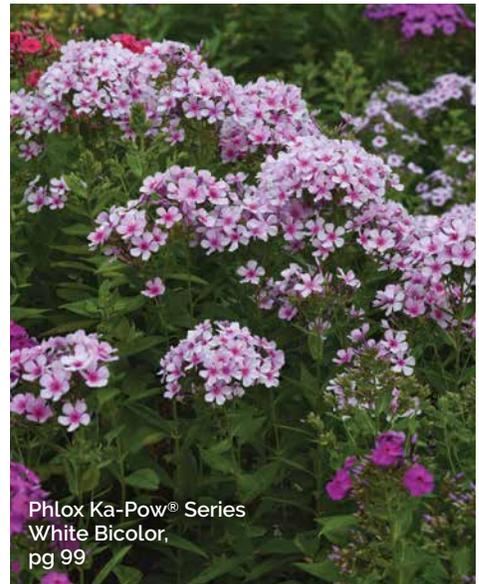
Achillea New Vintage™ Series	17
Dianthus Mountain Frost™ Collection	43
Leucanthemum 'Whitecap'	75
Nepeta Whispurr™ Series	87
Salvia 'Blue by You'	116
Veronica Moody Blues® Series	129

Summer:

Coreopsis UpTick™ Series	37
Echinacea Sombbrero® Series	46
Eupatorium Euphoria™ Ruby	51
Perovskia 'CrazyBlue'	97
Phlox Ka-Pow® Series	99

Fall:

Caryopteris 'Gold Crest'	34
Helianthus 'Autumn Gold'	60
Heuchera Carnival Series	63
Miscanthus Bandwidth	81



Phlox Ka-Pow® Series
White Bicolor,
pg 99



Helianthus
'Autumn Gold',
pg 60

View now on
YouTube



Propagation of Artemisia SunFern™



View now on
YouTube



Transplanting of Lavender



View now on
YouTube



Finished Echinacea Sombbrero®

DARWIN PERENNIALS UNIVERSITY

Take advantage of **FREE educational training** to help your team succeed at perennial production and make your season more profitable. The video courses include tips and tricks from perennial experts to produce top crops.

The current series available covers:

- Propagating
- Transplanting
- Finishing
- Selling...and more!

Discover "can't-miss" video courses on:

- Artemisia SunFern™ Collection
- Buddleia Chrysalis™ Series
- Echinacea Sombbrero® Series
- Lavender (English and Spanish)
- Monarda BeeMine™ Series
- Nepeta Prelude™ Purple
- Phlox Ka-Pow® Series
- Salvia 'Blue by You'

We will continue to add new content throughout the year, so check back often.

To learn more, subscribe to our YouTube channel and visit darwinperennials.com/university.



Scan with your
smartphone camera
to start watching!



Salvia
'Rose Marvel',
pg 109

PERENNIAL STARTERS

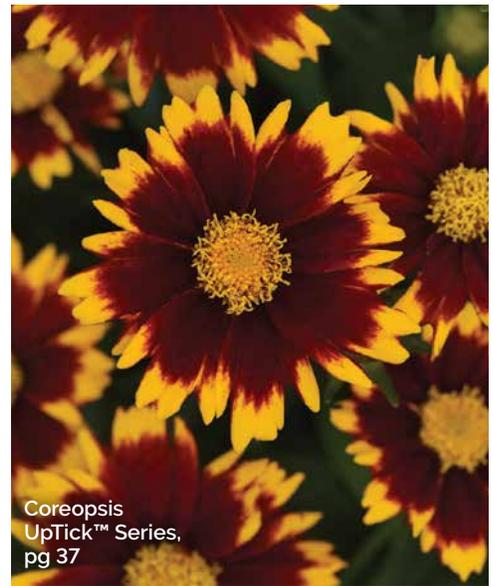
Grow Like a Perennial Pro

Our **First Year Flowering Tool** is a quick guide to help new and experienced growers produce perennials successfully. Look up these 10 "easiest-to-grow" perennials in the tool and find when to schedule your crops.

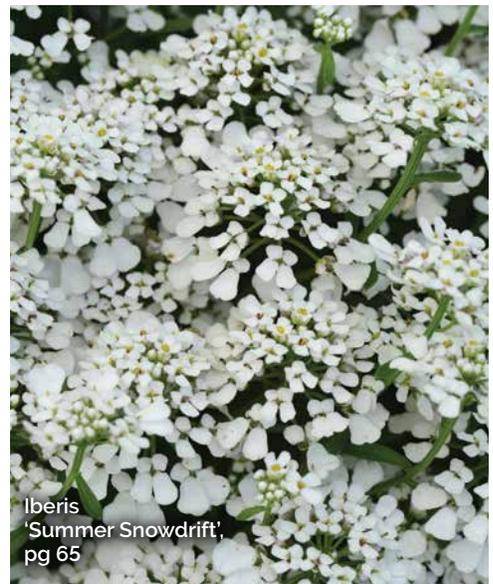
These low-maintenance starter varieties can be incorporated into your roster for a program that is sure to hit the **popular perennial classes** your customers want. No special environments, fertilizers, cold treatment or lighting is needed.

Plant these and you won't be able to keep them from flowering!

Achillea Milly Rock™ Series (Zone 4)	19
Coreopsis UpTick™ Series (Zone 5)	37
Iberis 'Summer Snowdrift' (Zone 6)	65
Lavandula (English) 'SuperBlue' (Zone 5)	69
Lavender (Spanish) Primavera (Zone 7)	73
Leucanthemum 'Whitecap' (Zone 5)	75
Penstemon Rock Candy® Series (Zone 5)	92
Phlox Ka-Pow® Series (Zone 4)	99
Salvia 'Rose Marvel' (Zone 4)	109
Veronica Moody Blues® Series (Zone 4)	129



Coreopsis
UpTick™ Series,
pg 37



Iberis
'Summer Snowdrift',
pg 65

DarwinPerennials®

Schedule Your Crops with Ease

We offer more than **170 first-year-flowering varieties** that do not require cold treatment. Use our interactive **First-Year-Flowering Tool** to find exact scheduling dates for any bloom week.



Just visit
[FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com)
and click "begin scheduling"





TRUSTED BREEDER PARTNER

DARWIN COLOMBIA FARM

The Darwin Colombia farm near Bogotá is centered on sustaining and extending the quality, reliability and consistency you'd expect from Darwin Perennials. We are focused on investing in our infrastructure, increasing our sustainability measures and expanding our facilities to support our customers not just for today, but well into the future.

Investing in People

We continue to direct the focus of our company development on the health, safety and well-being of our employees. This means ensuring reliable transportation to and from work, providing access to healthcare, offering classes in English, other educational opportunities and more. We care for our employees, and in return you will see the pride and care they put into every order. As a result, the Darwin Colombia farm was one of two companies in the Colombian flower industry to receive the Great Place to Work® certification.



DarwinColombia



Focusing on Sustainability

We are proud to announce that Darwin Colombia continues to maintain their A+ rating from MPS (More Profitable Sustainability), the highest level MPS offers in environmental accreditation.

To accomplish our goals of increasing sustainability, we have instituted several environmentally friendly practices. Darwin Colombia sources 80% of our current water for irrigation from filtered rainwater collected in 4 onsite lagoons. In addition, the farm has built a unique wastewater treatment plant that recovers irrigation runoff, which results in less reliance on outside water sources. Darwin Colombia has also launched a solar panel project to reduce CO₂ emissions. What's more, 100% of the material inputs we use can be composted or recycled. Our goal is zero waste to the landfill. These aggressive steps will help cut costs and reduce our overall carbon footprint.

Expanding Our Facilities

Our new elite stock block with 2.5 acres of newly constructed, state-of-the-art greenhouses is now planted with stock plants and ready to meet the growing demand for our perennials. Our capacity has gone up – we can now start over 10,000,000 more cuttings than before! Our old greenhouses are being replaced with new, high-tech production greenhouses that are filled with clean and pathogen-free vegetative perennials. This translates to the healthiest plant stock for your growing operations.

We have also increased our capacity to ship unrooted and Autostix® cuttings with the expansion of our cold room. This facility ensures exact temperature-controlled maintenance of cuttings post-harvest, during packing and prior to shipment – for the best possible conditions and the highest-quality cuttings.



Lavendula 'Anouk', pg 72
 Left: Unrooted Cuttings Right: Callused Cuttings

GENESIS™ CALLUSED CUTTINGS

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.

The benefits of Genesis callused cuttings include:

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

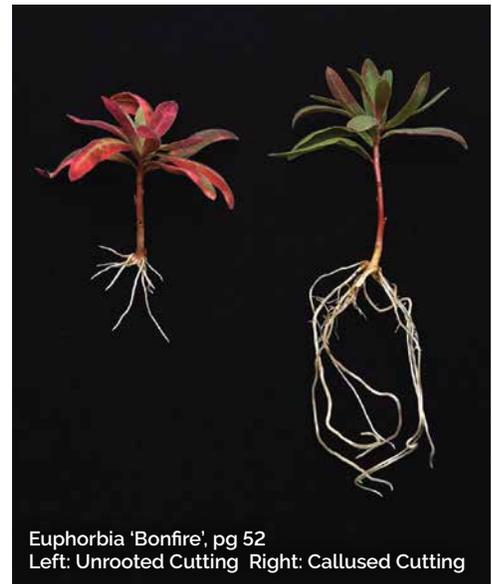
Testimonials:

“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 2000 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



Euphorbia 'Bonfire', pg 52
 Left: Unrooted Cutting Right: Callused Cutting



Lavender 'SuperBlue', pg 69
 Left: Unrooted Cutting Right: Callused Cutting



TISSUE CULTURE

Expanding Reliable Tissue Culture Supply

The most exciting, newest genetics cannot always be produced as an unrooted cutting. That's where 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.

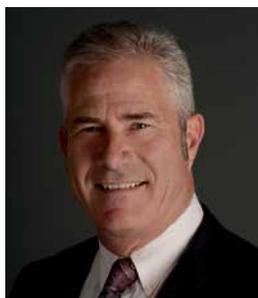
At Darwin Perennials, we partner with the best labs around the world and work with the best perennial suppliers to bring these plants to market. A higher value is placed on these genetics due to this specialization.

Some of our most popular varieties are offered as tissue culture-initiated plants, including:

NEW Brunnera 'Frostbite'	29
NEW Delphinium 'Red Lark'	41
Echinacea Double Scoop™ Series	48
Echinacea Sombrero® Series	46
NEW Echinacea Sombrero Poco™ Series	47
Heuchera 'Big Top Caramel Apple'	62
Heuchera Carnival Series	63
NEW Polemonium 'Golden Feathers'	107

DARWIN PERENNIALS TEAM

These industry-leading professionals are experts in operations, logistics, plant production and marketing. They understand the challenges in the perennial marketplace and provide innovative solutions to support your growing success.



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Iberis
'Summer Snowdrift'
pg 65



Lavender
'Primavera'
pg 73

TEAM FAVORITES

“Lavender 'Primavera' truly is a game changer. It **doesn't require any chill to flower**, making it one of the most versatile Lavenders on the market. You can have it blooming in the deep South for Winter or Valentine's Day, and in the North for Spring, Summer and Fall!

– Karl Batschke, *General Manager*

“Iberis 'Summer Snowdrift' is one of the most impressive plants I saw this last year. **Its bloom window is super-long**. It was blooming from Spring until Fall. It's a great zone 6 perennial, or it can be used as an annual in mixed containers.

– Seth Reed, *Sales & Marketing Manager*

“Caryopteris 'Gold Crest' is a **pollinator powerhouse** with the perfect golden hue. The striking gold foliage provides interest in early Spring and then beautiful blue flowers in late Summer add an additional wow-factor.

– Sarah Greenwood, *Global Product Manager*

“Salvia 'Blue by You' flowers earlier, has incredible flower power and **reblooms up to 5 times** without a cutback. What's not to love? Everyone should be growing Salvia 'Blue by You'.

– Christopher Fifo, *Product Representative*

“Perovskia 'CrazyBlue' stays upright, has much darker flowers than any Russian Sage on the market, and is **drought tolerant and low maintenance**. It's also deer and rabbit resistant. The compact size makes it perfect for a container or in the landscape. A winner in the garden!

– Darren Barshaw, *Product Representative*



Caryopteris
'Gold Crest'
pg 34



Salvia
'Blue by You'
pg 116



Perovskia
'CrazyBlue'
pg 97



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

First Year Flowering

Height: 26 to 28 in. (66 to 71 cm)

Bloom Months: April to September

USDA Hardiness Zones: 4a to 9b

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

- 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 'Balvinrose' PP25,712

Violet 'Balviolet' PP25,750

White 'Balvinwhite' PP25,711

Rose



Red



Rose



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

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.

'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

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

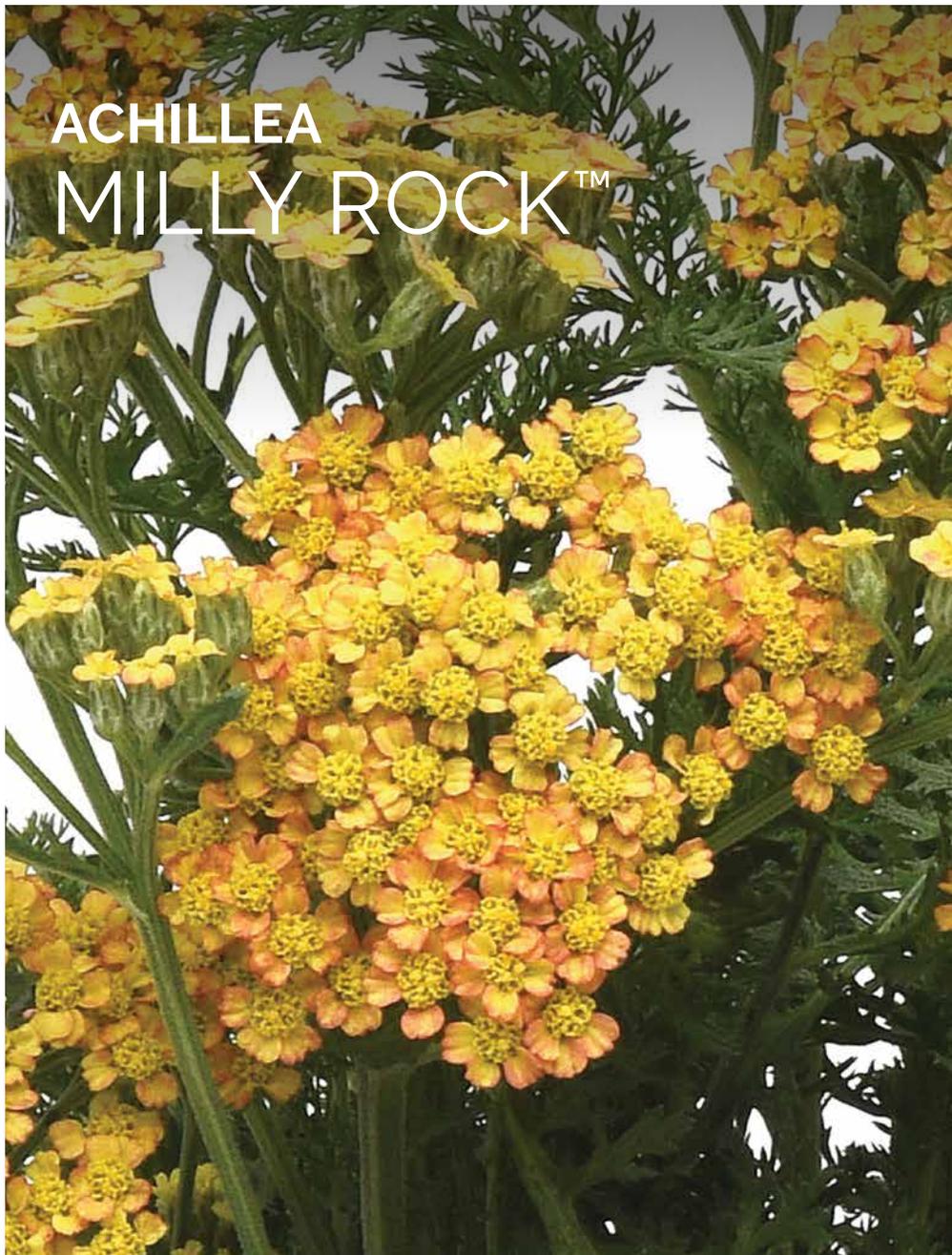
'Sunny Seduction' PP20,808



Achillea 'Strawberry Seduction'



Achillea 'Sunny Seduction'



ACHILLEA ●
(YARROW)
Achillea millefolium

FLORENSIS, B.V.

MILLY ROCK™ SERIES

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

NEW Yellow Terracotta
'FLORACHYE2' PPAF

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

Yellow Terracotta



Red



Rose



Yellow



Yellow Terracotta



Achillea Tutti Frutti 'Apricot Delight'



Achillea Tutti Frutti 'Pink Grapefruit'



Achillea Tutti Frutti 'Pomegranate'



Achillea Moon Dust



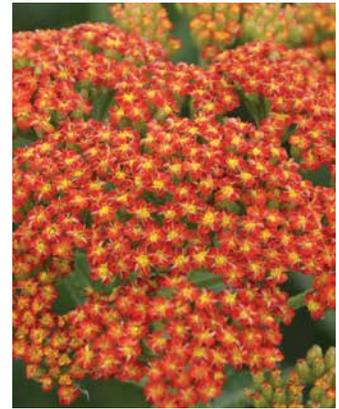
Achillea 'Sassy Summer Lemon'



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

First Year Flowering

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 Silver' Bright yellow flowers contrast with intense silvery foliage. PP31,754
- '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'



Agastache 'Mango Tango'



Agastache 'Peachie Keen'



TOP SELLER

Agastache 'Rosie Posie'

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

Selected for its compact habit and vibrant flower color. Overall, the plant has a rich, mango-orange color. Individual flowers have dusky rose calyces 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)
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 calyces. 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

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

AGASTACHE ●
(ANISE HYSSOP,
HUMMINGBIRD MINT)

Agastache

WALTERS GARDENS

NEW FOR 2023

'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 flowers attract bees, butterflies and hummingbirds. Dark calyxes remain attractive after the plant has finished blooming. This compact plant has low water needs and excellent heat tolerance.





AGASTACHE 'LITTLE ADDER'

AGASTACHE ●●
(ANISE HYSSOP)

Agastache rugosa

DARWIN PERENNIALS

'LITTLE ADDER'

First Year Flowering

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

Bloom Months: April to September

USDA Hardiness Zones: 5a to 9b

PP26,514

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

- 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.



Ajuga 'Metallica Crispa'



Ajuga 'Burgundy Glow'



Ajuga 'Bronze Beauty'



Ajuga 'Catlin'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.

'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
'Valfreda'

Dwarf form with narrow, chocolate-colored leaves and blue flowers.



Ajuga 'Silver Queen'



Ajuga Chocolate Chip

ALYSSUM 'GOLDEN SPRING'

ALYSSUM ●
Alyssum wulfenianum

DARWIN PERENNIALS

'GOLDEN SPRING'

Vernalization Required

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

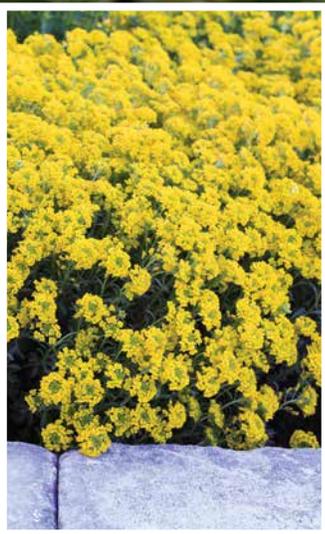
Bloom Months: April to May

USDA Hardiness Zones: 4a to 9b

PP25,710

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

- 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.



ARTEMISIA 
(RUSSIAN WORMWOOD)

Artemisia gmelinii

DARWIN PERENNIALS

SUNFERN™ COLLECTION

Height: Varies by variety

Bloom Months: Non-flowering

USDA Hardiness Zones: 4a to 9a

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

- 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



Arcadia



Arcadia



Olympia



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 mounded 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

First Year Flowering

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: March to October
USDA Hardiness Zones: 5a to 9a

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

- Dreameria moves the genus from strictly early-Spring and late-Fall, cool-season perennial to season-long flowering.
- Heat tolerant.
- Tidy habit is perfect for landscape and patio containers.

TOP SELLER 'Daydream'

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

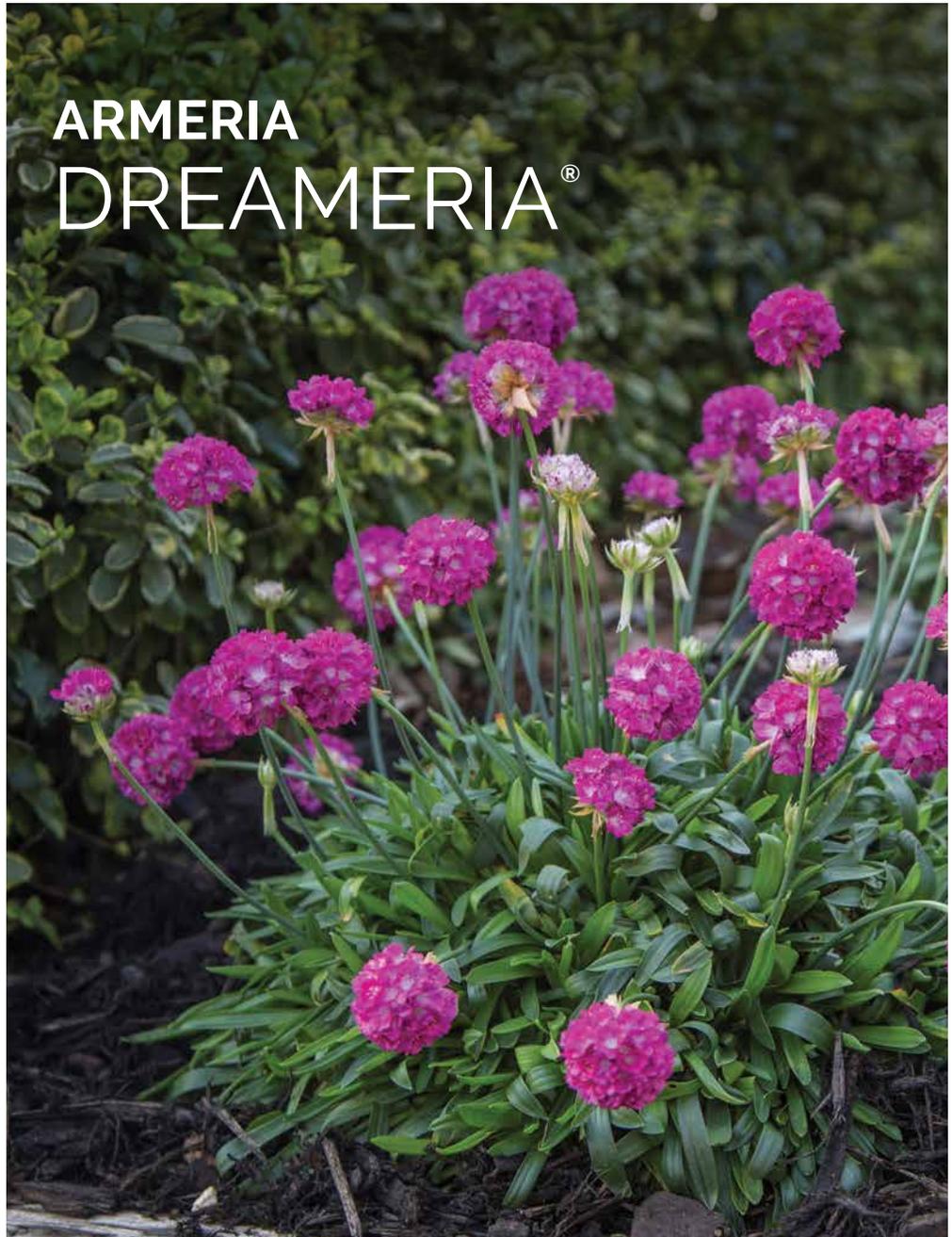
'Dream Clouds' Beautiful, pure-white variety provides nice accent color in Dreameria combos. PP33,597

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

'Dreamland' A dark salmon bloom. PP30,601

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

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



TOP SELLER

'Daydream'

'Dream Weaver'

Image Courtesy of Plants Management Australia



'Dream Clouds'



'Dream Weaver'



'Dreamland'



'Sweet Dreams'

Image Courtesy of Plants Management Australia

Image Courtesy of Plants Management Australia

NEW

BRUNNERA 'FROSTBITE'

BRUNNERA ●
(GREAT FORGET-ME-NOT)

Brunnera macrophylla

DARWIN PERENNIALS

NEW FOR 2023

'FROSTBITE'

Available as stage 3 tissue culture and 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

PPAF

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

- This low-maintenance option for the shade offers a better 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.
- Deer and rabbit resistant; frost tolerant.
- Produces bright blue flowers in Spring.

BUDDLEIA 
(BUTTERFLY BUSH)

Buddleia hybrid

DARWIN PERENNIALS

CHRYSALIS™ SERIES

First Year Flowering

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

Bloom Months: March to October

USDA Hardiness Zones: 5a to 9a

Compact Chrysalis features an abundance of flowers and continuous blooming!

- Bred and selected for its profusion of flowers that attract 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



Blue

Blue



Cranberry



Pink



Purple



White



Buddleia 'Butterfly Gold'

NEW



Buddleia 'Gold Drop'



Buddleia Monarch 'Blue Knight'



Buddleia Monarch 'Glass Slippers'



Buddleia Monarch 'Prince Charming'



Buddleia Monarch 'Princess Pink'



Buddleia Monarch 'Queen of Hearts'

BUDDLEIA ●
(BUTTERFLY BUSH)
Buddleia

MUST HAVE PERENNIALS
NEW FOR 2023

'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.

WALTERS GARDENS

'GOLD DROP'

Height: 30 to 36 in. (76 to 91 cm)
Bloom Months: July to September
USDA Hardiness Zones: 5a to 10b
PPAF

Prized for its compact habit and shorter stature. Purple flower panicles are produced all over the dense habit of gold foliage.

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

'LIL CASCADE'

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

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.

'Blue Knight' Outward-facing flower panicles open light lavender-purple and deepen to blue-purple. PP28,178
'Crown Jewels' Magenta-purple flowers. PP27,878
'Dark Dynasty' Rich, royal purple, fragrant flowers. PP27,834
'Glass Slippers' Silvery-green foliage and icy, periwinkle-blue blooms. 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 blooms. PP27,987

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



Buddleia Humdinger 'Lavender Cupcake'



Buddleia Humdinger 'Little Angel'



Buddleia Humdinger 'Magenta Munchkin'



Buddleia Humdinger 'Orchid Annie'



Buddleia 'Grand Cascade'



Buddleia 'Violet Cascade'



Buddleia 'Pink Cascade II'

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.

'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

'Orchid Annie' Soft, 8-in. (20-cm), orchid-purple flower panicles. PP28,176

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
PPAF

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

NEW FOR 2023

'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 'Birch Hybrid'



Campanula Blue Waterfall



Centaurea 'Amethyst Dream'



Centaurea 'Amethyst in Snow'

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.

'PORT PLUS'

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

The main characteristic of this cultivar is its compact habit compared to other selections. It remains compact and the spread fits well in containers.

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' PP13,161

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

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.

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.

CARYOPTERIS (BLUEBEARD)

Caryopteris x clandonensis

DARWIN PERENNIALS

'GOLD CREST'

First Year Flowering

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.



Caryopteris 'Gold Crest'

DARWIN PERENNIALS

GRAND BLEU®

First Year Flowering

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 'Electric Sunshine'



Coreopsis 'Golden Stardust'



Ceratostigma plumbaginoides



Chrysogonum 'Pierre'



Coreopsis 'American Dream'



Coreopsis Solanna Golden Sphere

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

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

'ELECTRIC SUNSHINE'

First Year Flowering

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: June to November
USDA Hardiness Zones: 8a to 9a
 PP30,975

Beautiful Coreopsis is a real stunner in the garden.

- Flowers beautifully from Spring until late Fall in a nonstop display of color.
- Self-branching, with excellent vigor.
- Use as a tender perennial in the South and an annual in the North.
- Doesn't require cleaning or cutback to flower.

DARWIN PERENNIALS

'GOLDEN STARDUST'

First Year Flowering

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.

COREOPSIS 
(TICKSEED)

Coreopsis hybrida

DARWIN PERENNIALS

'SUPER STAR'

First Year Flowering

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

Bloom Months: March to November

USDA Hardiness Zones: 5a to 9a

PP30.805

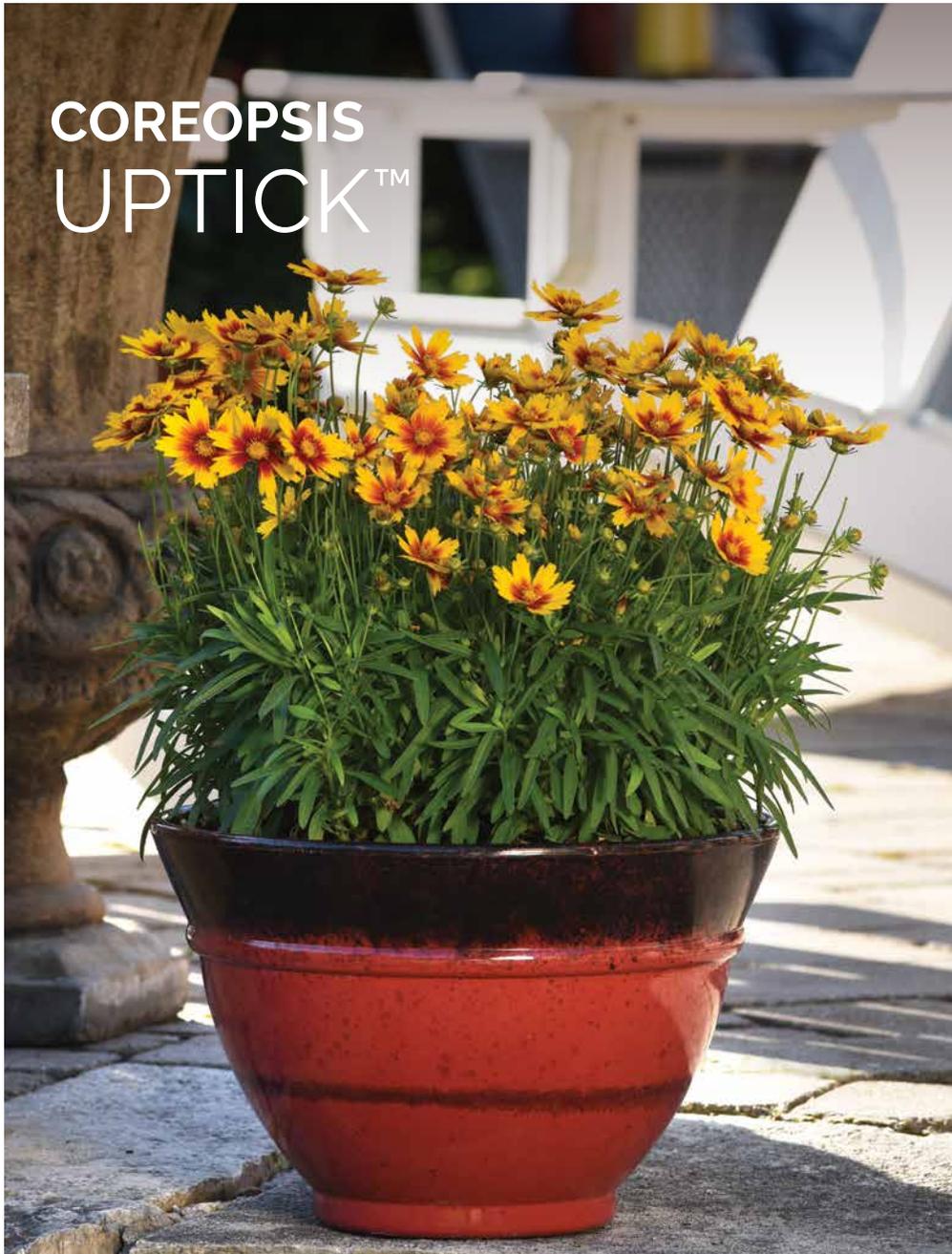
Largest flowers – 2.5 to 3 in. (6 to 8 cm) – of any Coreopsis on the market.

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

COREOPSIS 'SUPER STAR'



Coreopsis 'Super Star' (top)
'Golden Stardust' (bottom)



COREOPSIS UPTICK™

COREOPSIS (TICKSEED)

Coreopsis hybrida

DARWIN PERENNIALS

UPTICK™ SERIES

First Year Flowering

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

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

- 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



Cream



Cream & Red



TOP SELLER

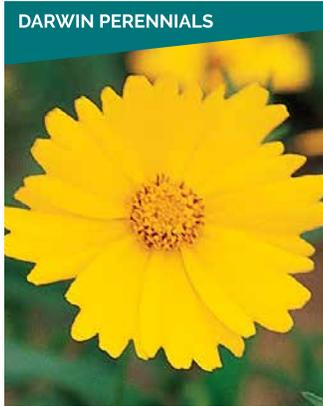
Gold & Bronze



Red



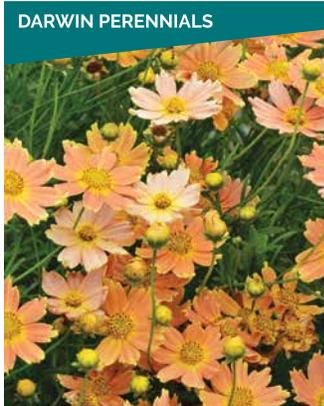
Yellow & Red



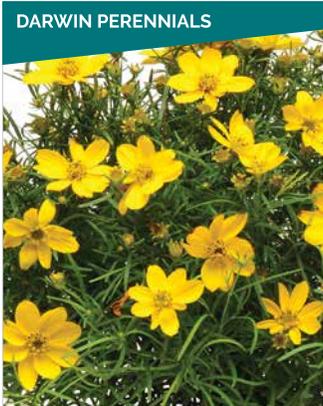
Coreopsis Sunny Day



Coreopsis 'Crème Brulee'



Coreopsis Crème Caramel



Coreopsis 'Sylvester'



Coreopsis Sizzle & Spice 'Crazy Cayenne'



Coreopsis Sizzle & Spice 'Curry Up'



Coreopsis Sizzle & Spice 'Hot Paprika'



Coreopsis Sizzle & Spice 'Zesty Zinger'

COREOPSIS ●
(TICKSEED)

Coreopsis grandiflora

DARWIN PERENNIALS

SUNNY DAY

First Year Flowering

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 BRULÉE'

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.

DARWIN PERENNIALS

'SYLVESTER'

Height: 16 to 20 in. (41 to 51 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 9b
PP24,767

Stays in place in the landscape.

- Fuller plants can be finished from first-year cuttings.
- Bright, golden yellow blooms are twice the size of other *C. verticillata*.
- Perfect for gallon programs.

'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

IITSUL 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 ●
(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
'PWWG02S'

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
NEW FOR 2023

'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
NEW FOR 2023

'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 
(ICE PLANT)

Delosperma hybrida

DARWIN PERENNIALS

OCEAN SUNSET™ SERIES

First Year Flowering

Height: 4 to 6 in. (10 to 15 cm)

Bloom Months: March to October

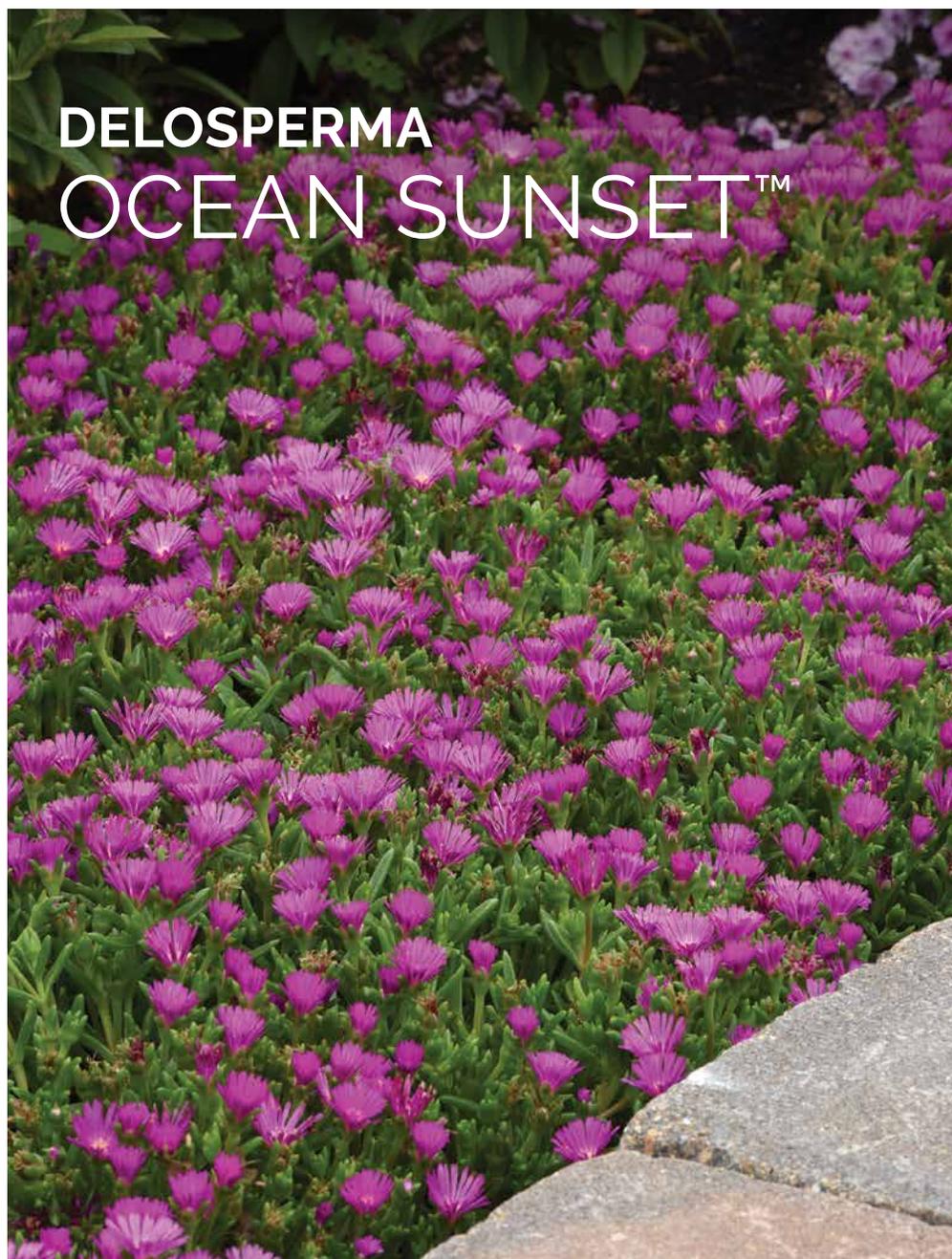
USDA Hardiness Zones: 5a to 9b

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



Violet



Orange Glow



Orange Vibe



Violet

NEW

DELPHINIUM 'RED LARK'



DELPHINIUM (LARKSPUR)

Delphinium x hybrida

DARWIN PERENNIALS

NEW FOR 2023

'RED LARK'

First Year Flowering

Available as stage 3 tissue culture and 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

Exciting breakthrough in hybridization!

- 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.

DIANTHUS

Dianthus
Mountain Frost™ Pink Twinkle



Ruby Snow

DIANTHUS ●
(CHINA PINKS,
CHEDDAR PINKS)

Dianthus hybrida

DARWIN PERENNIALS

**MOUNTAIN FROST™
COLLECTION**

First Year Flowering

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



Red Garnet



Ruby Glitter



Ruby Snow



Pink Carpet



Pink PomPom



Pink Twinkle



White Twinkle



Rose Bouquet



Silver Strike

DIGITALIS ●
(FOXGLOVE)

Digitalis hybrida

DARWIN PERENNIALS

ARCTIC FOX ROSE

First Year Flowering

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

TOP SELLER This beautiful hybrid *Digitalis* offers much needed Winter hardiness for northern growers, plus Summer-long flowering for southern growers.

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



TOP SELLER

Digitalis Arctic Fox Rose

DARWIN PERENNIALS

FOXLIGHT™ SERIES

Height: 22 to 24 in. (56 to 61 cm)

Bloom Months: May to September;
Natural season flowering

USDA Hardiness Zones: 7a to 10b

Bold novelty colors boost retail appeal and drive impulse sales.

- Lower input costs provide greater profit margin at wholesale and retail.
- Needs no bulking for full plants.
- More compact than competing varieties, with deeper green foliage.
- Blooms all Summer long, with outward-facing flowers for better retail show.

Plum Gold

'Takfoplgo' CPBR5341; PP26,586

Rose Ivory

'Takforoiiv' CPBR5342; PP26,554



Digitalis Foxlight Plum Gold



Digitalis Foxlight Rose Ivory

ECHINACEA

Echinacea
Sombrero® Fiesta Orange

HEIGHT COMPARISON

Echinacea x hybrida



Sombrero Poco™
Series

Sombrero® Series

ECHINACEA (CONEFLOWER)

Echinacea x hybrida

DARWIN PERENNIALS

SOMBRERO® SERIES

First Year Flowering

Available as stage 3 tissue culture and 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

TOP SELLER Baja Burgundy

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

Blanco 'Balsomblanc'

Fiesta Orange

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

Flamenco Orange

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

Granada Gold Rich, golden yellow, non-fading color.

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

TOP SELLER Lemon Yellow

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

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

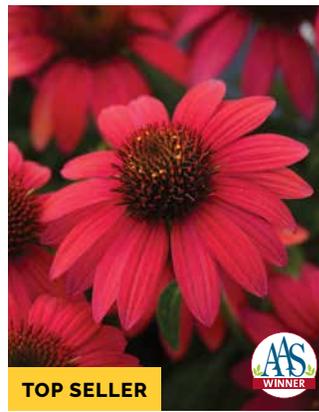
Tres Amigos

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



TOP SELLER

Adobe Orange



TOP SELLER

Baja Burgundy



Blanco



Fiesta Orange



Flamenco Orange



Granada Gold



TOP SELLER

Lemon Yellow



Rosada



TOP SELLER

Salsa Red



TOP SELLER

Sangrita



Summer Solstice



Tango Tangerine



Tres Amigos



Yellow

ECHINACEA (CONEFLOWER)

Echinacea x hybrida

DARWIN PERENNIALS

SOMBRERO POCO™ SERIES

First Year Flowering

Available as stage 3 tissue culture and 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.

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

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

NEW Red High-impact, red flowers. 'Balsompred' PPAF; US7,982,110

NEW White 'Balsompocwi' US7,982,110

Yellow 'Balsompocel' US7,982,110; US PAF



Hot Coral



Hot Pink



Red



White



Yellow

ECHINACEA ●
(CONEFLOWER)

Echinacea x hybrida

DARWIN PERENNIALS

DOUBLE SCOOP™ SERIES

First Year Flowering

Available as stage 3 tissue culture and 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

Abundant, fully double flowers boast brilliant, non-fading color.

- Very hardy plants overwinter well and provide long-lasting garden enjoyment.
- First-rate branching for more flowers and superior show at retail.
- More compact than the competition.

TOP SELLER Bubble Gum

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

TOP SELLER Cranberry

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

Lemon Cream

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

Mandarin

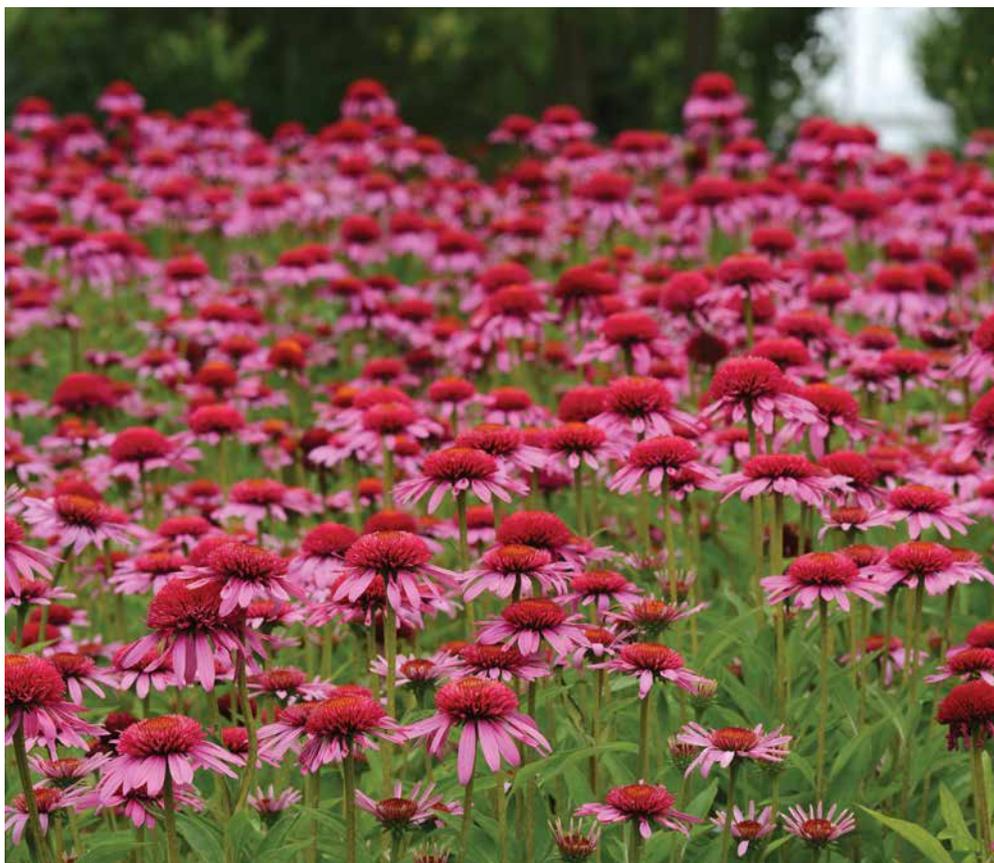
'Balscandin' PP26,640; US7,982,110

Orangeberry

'Balscoberr' PP23,145; US7,982,110

Raspberry

'Balsceras' PP23,117; US7,982,110



Bubble Gum



TOP SELLER

Bubble Gum



TOP SELLER

Cranberry



Lemon Cream



Mandarin



Orangeberry



Raspberry



ERYSIMUM 'BOWLES ME AWAY'

ERYSIMUM 
(WALLFLOWER)
Erysimum linifolium

DARWIN PERENNIALS

'BOWLES ME AWAY'

First Year Flowering

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 
(WALLFLOWER)

Erysimum linifolium

DARWIN PERENNIALS

CHEERS™ SERIES

First Year Flowering

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

Bloom Months: March to September

USDA Hardiness Zones: 7a to 10b

This series offers more flowers, richer colors and better habits than standard Erysimum.

- Continuous blooming and excellent heat tolerance make satisfied customers.
- Blooms without vernalization from early Spring into late Summer.

Florange Rich orange color.

'Balcherflora' PP29,657

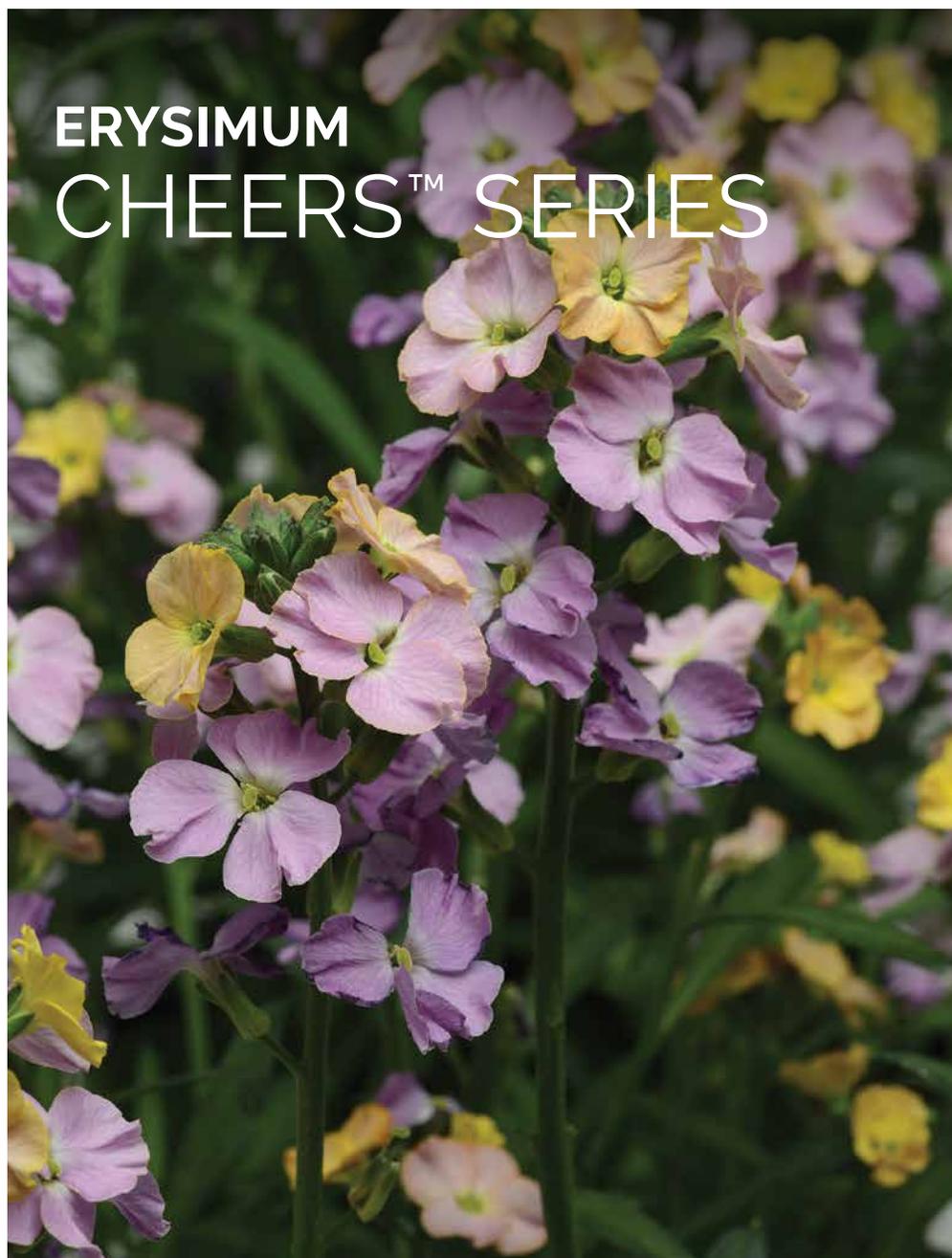
Lemon Yellow

'Balcherlemy' PP26,623

Mighty Mauve

'Balchermauv' PP26,604

Sun-kissed Amethyst Like a bouquet of flowers on one plant. Flowers open as golden-yellow and mature to colors from bronze to lavender. 'Balcherissam' PP29,379



Sun-kissed Amethyst



Florange



Lemon Yellow



Mighty Mauve



Sun-kissed Amethyst

DARWIN PERENNIALS



Eupatorium 'Little Joe'

EUPATORIUM (JOE-PYE WEED)

Eupatorium dubium

DARWIN PERENNIALS

'LITTLE JOE'

First Year Flowering

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

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

PLANTHAVEN INT'L, INC.

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'

First Year Flowering

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'

First Year Flowering

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.

DARWIN PERENNIALS



Gaura Ballerina Rose

DARWIN PERENNIALS



Gaura Ballerina White



Gaura Belleza Compact Light Pink



Gaura Belleza Dark Pink

GAURA (WAND FLOWER)

Gaura lindheimeri

DARWIN PERENNIALS

BALLERINA™ SERIES

First Year Flowering

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.
- White is one of the most compact, well-branched white Gauras on the market.

Rose 'Baltinrose' PP14,635

White 'Baltincite' PP20,326

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.

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 'Florgaucompi'

Red 'Florgaure' PP26,518

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



Gaura Belleza White



Gaura Gaudi Pink



Gaura Gaudi Red



HELENIUM SALUD™

HELENIUM ●
(SNEEZE WEED)
Helenium autumnale

DARWIN PERENNIALS
SALUD™ SERIES

First Year Flowering

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9a

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

- 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.

TOP SELLER Embers

'Balsalumb' PP30,617

Golden 'Balsaluglo' PP30,616

Yellow 'Balsalulow' PP30,771

Yellow



TOP SELLER

Embers



Golden



Yellow

HERBS

Mint 'Mojito'
Salvia Pineapple Sage
Stevia Sweet Leaf
Thyme 'Lemon'

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

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





Artemisia
French Tarragon



Coriander
Vietnamese



Mentha
'Kentucky Colonel'



Mentha Spearmint



Mentha Moroccan



Mentha Apple



Mentha Pineapple
Variegated



Mentha Chocolate



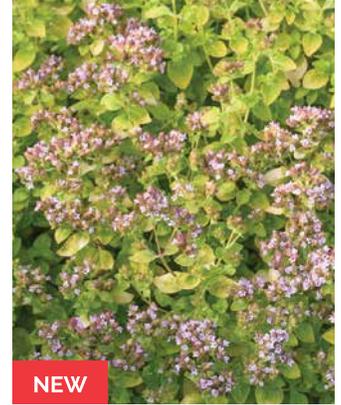
Mentha Citrata Orange



Mentha Peppermint



Mentha Mojito



Origanum 'Gilt Trip'

ARTEMISIA ●
(WORMWOOD)

Artemisia dracunculus sativa

FRENCH TARRAGON

Height: 16 to 24 in. (41 to 61 cm)
USDA Hardiness Zones: 4a to 2b

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

CORIANDER ●
(VIETNAMESE CORIANDER)

Persicaria odorata

VIETNAMESE

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: May to June
USDA Hardiness Zones: 10a to 11

This flavorful culinary herb is often compared to Cilantro. It features colorful, attractive, scented foliage. Plant this mounded, heat-tolerant Coriander in sunny 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 ●
(MOROCCAN MINT)

Mentha spicata var. crispata

MOROCCAN

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: July to August
USDA Hardiness Zones: 5b to 11

Low-maintenance, upright plant; use this scented mint in culinary dishes. Works best in a container for non-invasive growing.

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 ● ●

Mentha x piperita

AFTER EIGHT

Height: 12 in. (30 cm)
USDA Hardiness Zones: 3a to 7b

Green foliage with an excellent chocolate mint flavor.

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.

PEPPERMINT UPRIGHT

Height: 16 in. (41 cm)
USDA Hardiness Zones: 3a to 7b

Green leaves with a reddish hue and purple flower. Upright habit.

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 rotundifolium

WALTERS GARDENS
NEW FOR 2023

'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 'Kent Beauty'



Origanum Greek



Origanum 'Hot and Spicy'



Origanum Variegated



Origanum Italian



Rosmarinus officinalis



Rosmarinus 'Arp'



Rosmarinus 'Barbecue'



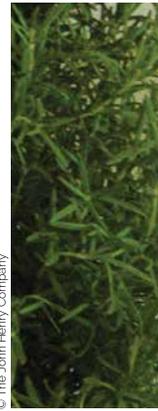
Rosmarinus 'Gorizia'



Rosmarinus 'Huntington Carpet'



Rosmarinus 'Prostratus'



Rosmarinus 'Salem'



Rosmarinus 'Spice Island'



Rosmarinus 'Tuscan Blue'



Salvia 'Aurea'



Salvia Pineapple Sage

ORIGANUM ●
(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 ●
(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.

GREEK

Height: 12 to 28 in. (30 to 71 cm)
USDA Hardiness Zones: 4a to 9b
Strong-growing, hardy strain.

'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 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 harder 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
TOP SELLER 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.



Salvia 'Berggarten'



Salvia Garden Sage



Salvia 'Icterina'



Salvia 'Purpurascens'



Salvia 'Tricolor'



Stevia Sweet Leaf



Thymus English



Thymus French



Thymus 'Doone Valley'



Thymus Golden Lemon



Thymus Lemon



Thymus Orange



Thymus Silver Edged



Thymus 'Silver King'



Thymus 'Spicy Orange'



Thymus 'Variegatus'

'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.

'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.

SWEET MARJORAM (SWEET MARJORAM)

Origanum majoranum

HORTENSIS

Height: 12 to 24 in. (30 to 61 cm)
Bloom Months: July to September
USDA Hardiness Zones: 8b to 10a

This popular culinary herb features scented foliage and works best in soups and stews. Plant this upright, heat-tolerant Marjoram in full sun.

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 citridorodorus

'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.

ORANGE

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

Orange or citrus-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.

'SILVER KING'

Height: 4 to 5 in. (10 to 13 cm)
USDA Hardiness Zones: 7a to 9b

Lemon-scented, medium-green leaves are splashed with cream.

'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.

'VARIEGATUS'

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

Lemon-scented, green leaves with a thin, white-splashed margin and purple flowers.

HELIANTHUS ●
(NARROW-LEAVED
SUNFLOWER)

Helianthus salicifolius

DARWIN PERENNIALS

'AUTUMN GOLD'

First Year Flowering

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.



Helianthus 'Autumn Gold'

HELIOPSIS ●
(OX-EYE)

Heliopsis helianthoides

DARWIN PERENNIALS

'SUNSTRUCK'

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.



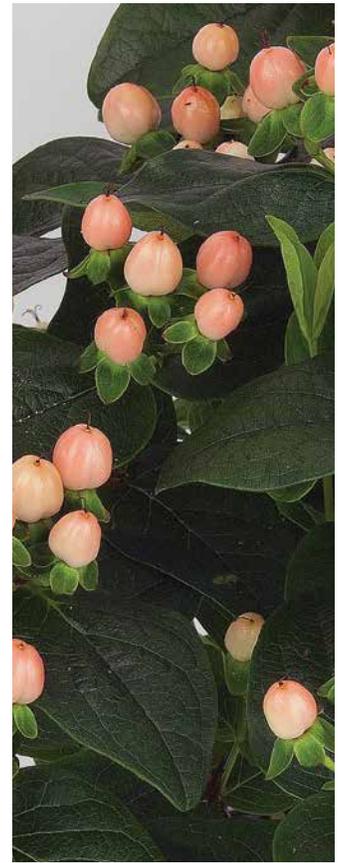
Heliopsis 'Sunstruck'



Heliopsis 'Lorraine Sunshine'



Hypericum Miracle Grandeur



Hypericum Miracle Horizon



Hypericum Miracle Primo

HELIOPSIS ●
(OX-EYE)

Heliopsis helianthoides

MUST HAVE PERENNIALS

'LORRAINE SUNSHINE'

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

Large, golden yellow daisy flowers on erect, loosely branched plants with unique, variegated leaf form.

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.



Hypericum calycinum

'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

RENE VAN GAALLEN, B.V.

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 villosa

DARWIN PERENNIALS

'BIG TOP CARAMEL APPLE'

Available as stage 3 tissue culture and 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

PPAF

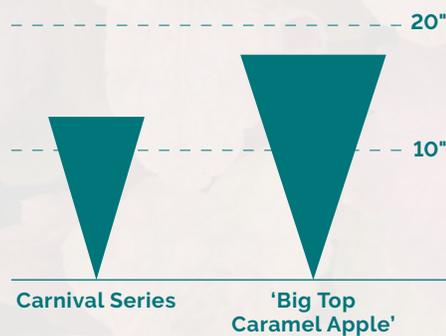
Large Heuchera delivers big performances and amazing color!

- 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.

HEUCHERA 'BIG TOP CARAMEL APPLE'



HEIGHT COMPARISON





'Carnival Black Olive'



'Carnival Burgundy Blast'



'Carnival Cinnamon Stick'

HEUCHERA ●●
(CORAL BELLS)

Heuchera x hybrida

DARWIN PERENNIALS

CARNIVAL SERIES

Available as stage 3 tissue culture and 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

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

- 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 PPAF

'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

TOP SELLER 'Carnival Plum Crazy'
PP24,771

TOP SELLER 'Carnival Rose Granita'

TOP SELLER 'Carnival Watermelon'
PP24,803



'Carnival Cocomint'



'Carnival Coffee Bean'



'Carnival Fall Festival'



'Carnival Limeade'



'Carnival Peach Parfait'



TOP SELLER

'Carnival Plum Crazy'



TOP SELLER

'Carnival Rose Granita'



TOP SELLER

'Carnival Watermelon'

KNIPHOFIA ●
(RED-HOT POKER)

Kniphofia uvaria

DARWIN PERENNIALS

NEW FOR 2023

GLOWSTICK

First Year Flowering

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'

Versatile Glowstick makes a bold statement in the garden.

- 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.

NEW

KNIPHOFIA GLOWSTICK





IBERIS ●
(CANDYTUFT)
Iberis hybrid

DARWIN PERENNIALS

'SUMMER SNOWDRIFT'

First Year Flowering

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

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

- 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.

Bloom Months											
Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.

IBERIS ●
(EVERGREEN CANDYTUFT)

Iberis sempervirens

DARWIN PERENNIALS

'SNOWSATION'

Vernalization Required

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

TOP SELLER The largest flowers of any compact Iberis!

- 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.



Bloom Months											
Jan.	Feb.	March	April	May	June	July	August	Sept.	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 72

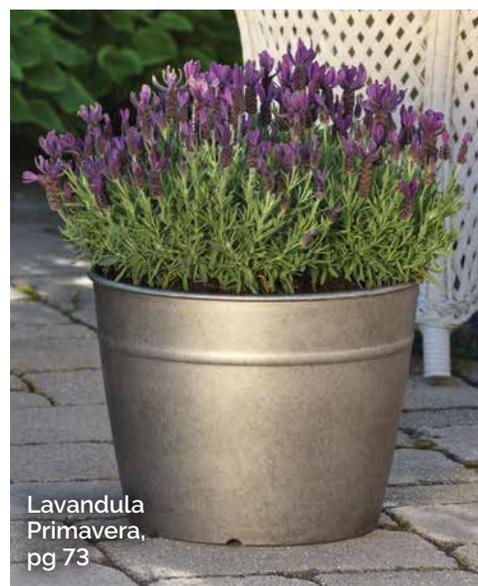
LAVENDER

Expand Your Lavender Program & Extend Your Growing Season

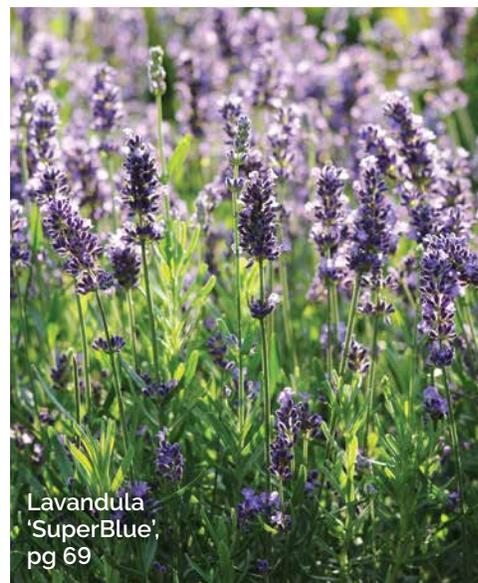
Kick off your Lavender season in early Spring with **Spanish Lavender** varieties such as the Anouk series (hardy to Zone 6). Spanish Lavender are tender perennials that flower under short days and generally require a cool treatment to flower – ensuring their best performances in the cooler, early Spring season. Although this class generally cycles out of flower in the Summer heat, these Mediterranean natives perform very well in the landscape. Spanish Lavender are also known for their sweet, piney scent and are very showy with pineapple-shaped flowers and colorful flags, ranging from white to rose to deep purple. The perfect impulse buy for consumers!

Lavender Primavera – All-Season Performer. One 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 and extremely showy, rich purple bracts. With this season extender, growers and retailers can offer a versatile Spanish Lavender for Fall programs and even Christmas and Valentine's Day events.

As the days start to get warmer and longer, it's time to transition your Lavender program to more **English Lavenders**, such as 'SuperBlue' and 'Annet'. These angustifolia types will cover your traditional, sweetly scented Lavender needs, with the classic flower form used for drying, oils, potpourri and more. 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 will flower all season long in most North American regions – making them outstanding landscape plants.



Lavandula
Primavera,
pg 73



Lavandula
'SuperBlue',
pg 69



Lavandula 'Annet'

LAVANDULA ●
(ENGLISH LAVENDER)

Lavandula angustifolia

DARWIN PERENNIALS

'ANNET'

First Year Flowering

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.



Lavandula 'SuperBlue'

DARWIN PERENNIALS

'SUPERBLUE'

First Year Flowering

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

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.



Lavandula Big Time Blue



Lavandula 'Blue Cushion'



Lavandula 'Hidcote'



Lavandula 'Munstead'



Lavandula 'Vera'



Lavandula dentata



Lavandula 'Grosso'

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: 14 to 18 in. (36 to 46 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

'Momparder' PP23,834

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

PLATINUM BLONDE is a U.S. trademark of Momparder 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 ●
(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.



Lavandula 'Provence'



Lavandula 'Otto Quast'



Lavandula 'Goodwin Creek Grey'



Lavandula 'Dilly Dilly'



Lavandula Phenomenal

'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 gingsii

'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

'DILLY DILLY'

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

Compact growth habit with flower spikes high above the foliage.

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

Outstanding in containers and landscapes.

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

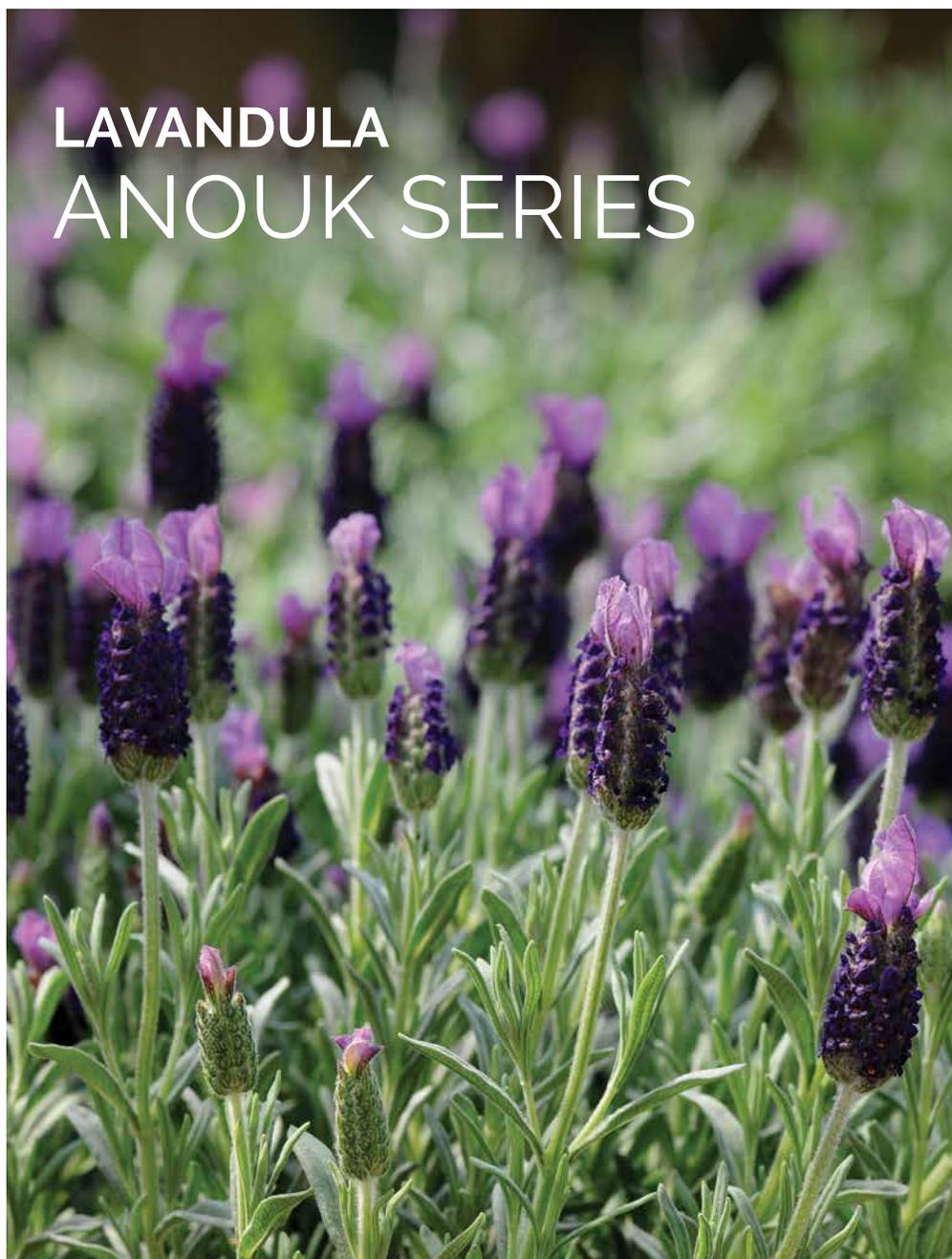
'Anouk' Dark violet flower spikes topped by clear purple flags.
CPBR3299; PP16,685

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

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



LAVANDULA ANOUK SERIES



'Anouk'

'Anouk'



Anouk Supreme



Deep Rose



Double Anouk



'Silver Anouk'

TOP SELLER

LAVANDULA PRIMAVERA



LAVANDULA ●
(SPANISH LAVENDER)

Lavandula stoechas

DARWIN PERENNIALS

PRIMAVERA

First Year Flowering

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

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

- 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.

Bloom Months

Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
		Traditional Spanish Lavender									
Darwin Perennials Lavender Primavera											

LAVANDULA ●
(SPANISH LAVENDER)

Lavandula stoechas

DARWIN PERENNIALS

LUXURIOUS

Height: 14 to 18 in. (36 to 46 cm)

Bloom Months: March to July

USDA Hardiness Zones: 6a to 9b

'Anouk Deluxe 109'

CPBR5615; PP26,494

**Outstanding weather and
humidity tolerance.**

- Stands up to boxing and shipping better than other Spanish Lavenders.
- Very resistant to foliar disease.

LAVANDULA LUXURIOUS





LEUCANTHEMUM 'WHITECAP'

LEUCANTHEMUM ●
(SHASTA DAISY)

Leucanthemum x superbum

DARWIN PERENNIALS

'WHITECAP'

First Year Flowering

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

Bloom Months: March to October

USDA Hardiness Zones: 5a to 9a

PP33,605

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

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

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 'Cream Puff'

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 'Whoops A Daisy'



NEW
Leucanthemum 'Seventh Heaven'



NEW
Leucanthemum Sunshine Freak!



Leucanthemum 'Becky'



Leucanthemum Freak!



NEW
Leucanthemum 'Ice Cream Dream'



Leucanthemum Ooh La 'LaCrosse'

LEUCANTHEMUM ●
(SHASTA DAISY)
Leucanthemum
WALTERS GARDENS
NEW FOR 2023
'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
NEW FOR 2023

'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 Ooh La 'LaSpider'

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
NEW FOR 2023

'ICE CREAM DREAM'

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

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.

DARWIN PERENNIALS



Leucanthemum 'Santé'

LEUCANTHEMUM ●
(SHASTA DAISY)

Leucanthemum x superbum

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

TOP SELLER 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



Leucanthemum 'White Magic'

DARWIN PERENNIALS

'WHITE MAGIC'

First Year Flowering

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.



TOP SELLER

Leucanthemum 'Spoonful of Sugar'



Lithodora 'White Star'

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.



Lithodora 'Grace Ward'



Lithodora 'Heavenly Blue'



Lychnis Petit Henri



Lychnis Petite Jenny

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

PETIT HENRI

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: May to August
USDA Hardiness Zones: 5a to 7b
'IFLYPH' PP31,373

Double-flowered dwarf variety forms compact, bushy clumps with masses of bright white blooms.



Lysimachia 'Goldilocks'

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 'Alexander'

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 (MONEYWORT)

Lysimachia alfredii

DARWIN PERENNIALS

'NIGHT LIGHT'

First Year Flowering

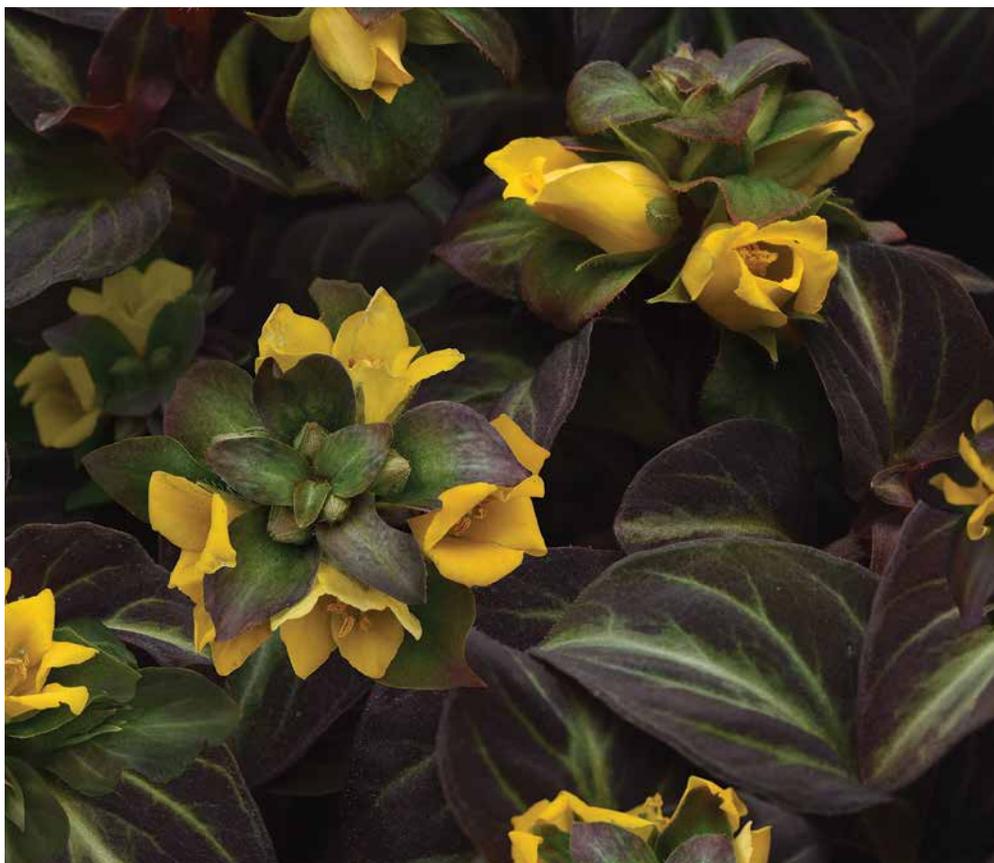
Height: 10 to 12 in. (25 to 30 cm)

Bloom Months: Year round depending on location

USDA Hardiness Zones: 5a to 9a
PPAF

Shade-loving, flowering groundcover.

- 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.



Lysimachia 'Night Light'

LYSIMACHIA (MONEYWORT)

Lysimachia congestiflora

DARWIN PERENNIALS

'FIREFLY'

First Year Flowering

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

Bloom Months: Year round depending on location

USDA Hardiness Zones: 5b to 9a
PPAF

An excellent flowering groundcover for the shade.

- Burgundy foliage and continuously blooming, bright yellow flowers.
- Prefers shady locations.
- Works as an accent plant, mixing well with other varieties.



Lysimachia 'Firefly'



NEW

Miscanthus High Frequency



Miscanthus Bandwidth



Miscanthus My Fair Maiden

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

DARWIN PERENNIALS
NEW FOR 2023

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' PPAF

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 – 15 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' CPBRAFF; PP26,387

A non-invasive, infertile hybrid Maiden Grass.

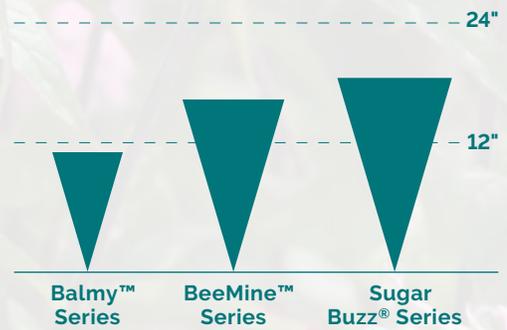
- Ideal for dramatic backgrounds in the landscape.

MONARDA

Monarda
BeeMine™ Red

HEIGHT COMPARISONS

Monarda didyma



MONARDA BEEMINE™



Lavender

MONARDA 
(BEE BALM, BERGAMOT)
Monarda didyma

DARWIN PERENNIALS

BEEMINE™ SERIES

First Year Flowering

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

Excellent early-flowering, medium-height Monarda.

- Series height reaches 15 to 18 in. (38 to 46 cm).
- 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



Lavender



Pink



Red

MONARDA ●●
(BEE BALM, BERGAMOT)

Monarda didyma

DARWIN PERENNIALS

BALMY™ SERIES

First Year Flowering

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

Bloom Months: June to July

USDA Hardiness Zones: 4a to 9b

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

- 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.

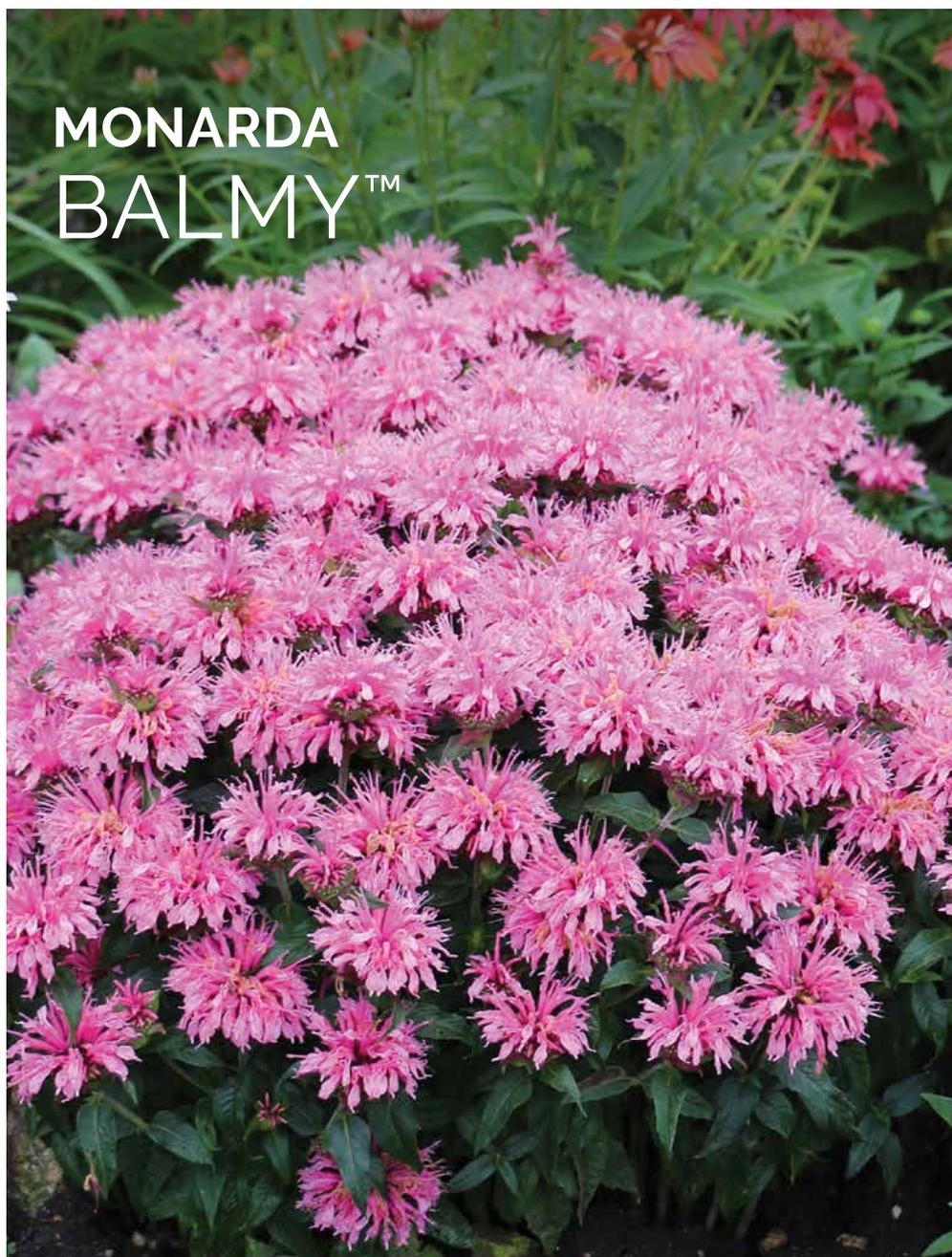
Lilac 'Balbalmac' PP26,594

Pink 'Balbalmink' PP26,566

TOP SELLER Purple

'Balbalmurp' PP25,561

Rose 'Balbalmos366'



Pink



Lilac



Pink



Purple



Rose



Monarda Sugar Buzz 'Berry Taffy'



Monarda Sugar Buzz 'Blue Moon'



Monarda Sugar Buzz 'Bubblegum Blast'



TOP SELLER

Monarda Sugar Buzz 'Cherry Pops'



Monarda Sugar Buzz 'Grape Gumball'



Monarda Sugar Buzz 'Lilac Lollipop'



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. PPAF

'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

'Lilac Lollipop' Lavender-lilac flowers. PP27,571

'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'

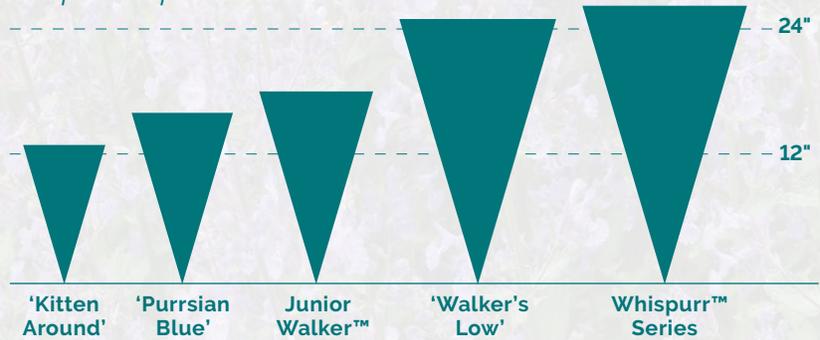
Height: 3 in. (8 cm)
Bloom Months: May to July
USDA Hardiness Zones: 6a to 10b

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

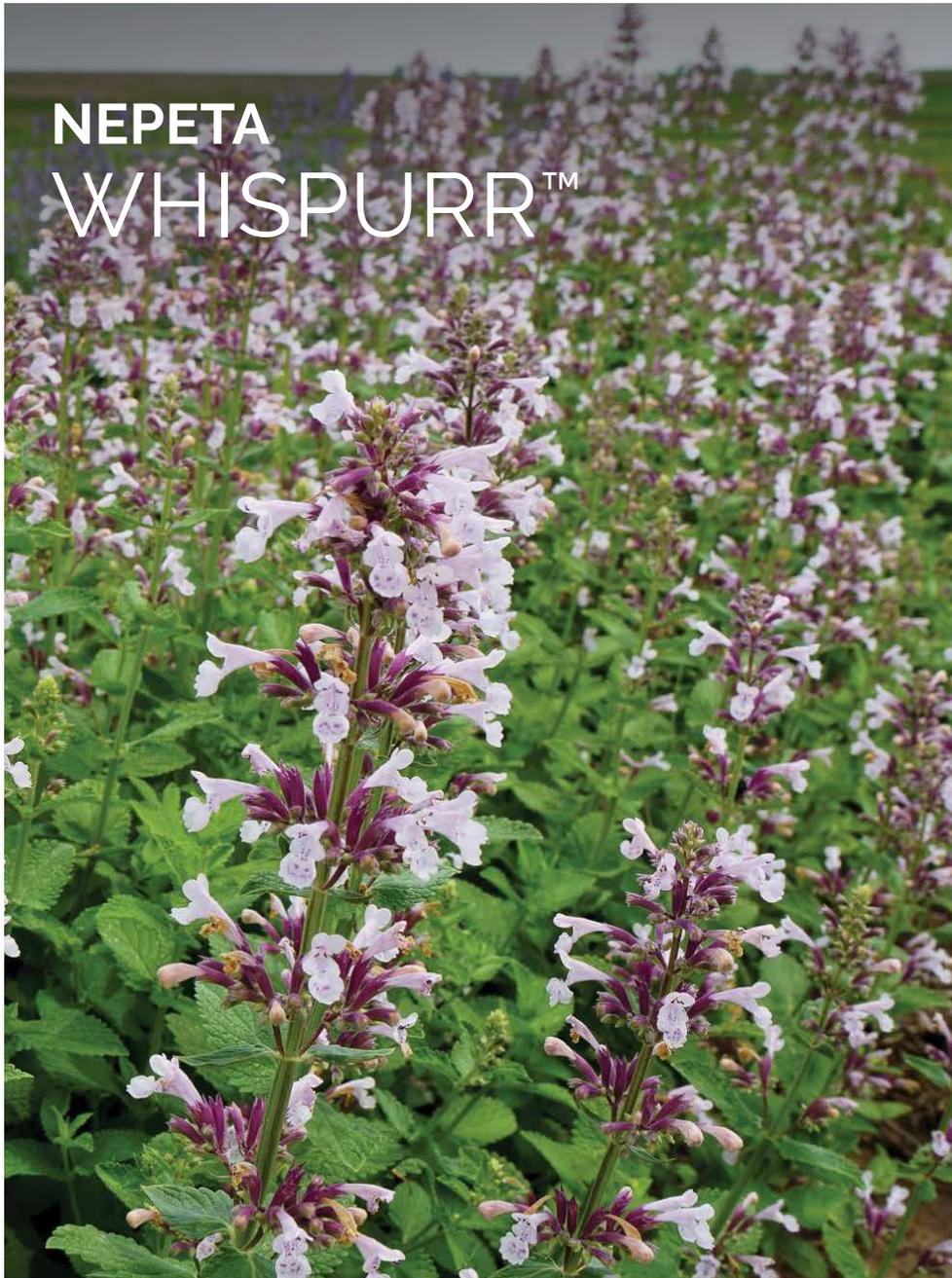
NEPETA

HEIGHT COMPARISONS

Nepeta x faassenii



Nepeta
Junior Walker



NEPETA WHISPURR™

NEPETA (CATMINT)

Nepeta x faassenii

DARWIN PERENNIALS

WHISPURR™ SERIES

First Year Flowering

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

Bloom Months: April to September

USDA Hardiness Zones: 4a to 9a

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

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

Blue 'Balpurrlu' PP33,042

Pink 'Balpurrink' PP33,184

Pink



Blue



Pink



Nepeta 'Picture Purrfect'

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

PPAF

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.



Nepeta 'Kitten Around'

PLANT SELECT

LITTLE TRUDY®

Height: 10 to 14 in. (25 to 36 cm)
Bloom Months: May to October
USDA Hardiness Zones: 4a to 9b

'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 'Six Hills Giant'



Nepeta 'Blue Wonder'

DARWIN PERENNIALS



TOP SELLER

Nepeta Junior Walker

NEPETA (CATMINT)

Nepeta x faassenii

DARWIN PERENNIALS

JUNIOR WALKER™

First Year Flowering

Height: 18 in. (46 cm)

Bloom Months: May to September

USDA Hardiness Zones: 5a 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.



TOP SELLER

Nepeta 'Purrsian Blue'

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.

NEPETA 
(JAPANESE CATMINT)

Nepeta subsessilis

DARWIN PERENNIALS

PRELUDE™ SERIES

First Year Flowering

Height: 28 to 36 in. (71 to 91 cm)

Bloom Months: March to September

USDA Hardiness Zones: 5a to 9a

First-year-flowering, robust plant in the landscape with large flowers and medium controlled habit.

- 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. 'Balprelurp' PP33,997



Blue



Blue



Purple



Purple



DARWIN PERENNIALS

NEW

Oenothera 'Evening Sun'



Oenothera 'Siskiyou'



Panicum Ruby Ribbons

OENOTHERA ●
(MISSOURI EVENING
PRIMROSE)

Oenothera missouriensis

DARWIN PERENNIALS
NEW FOR 2023

'EVENING SUN'

First Year Flowering

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

Bright yellow flowers create striking displays against silvery green foliage.

- Flowers open in the afternoon and bloom throughout the night, attracting butterflies and moths.
- North American native is tolerant of a wide range of soil types.
- Drought tolerant once established and low maintenance.
- Requires less chemicals and features less shrink for simplified production.

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.

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.

PENSTEMON ●
(BEARD TONGUE)

Penstemon barbatus

DARWIN PERENNIALS

ROCK CANDY® SERIES

First Year Flowering

Height: 12 in. (30 cm)

Bloom Months: April to September

USDA Hardiness Zones: 5a to 8b

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

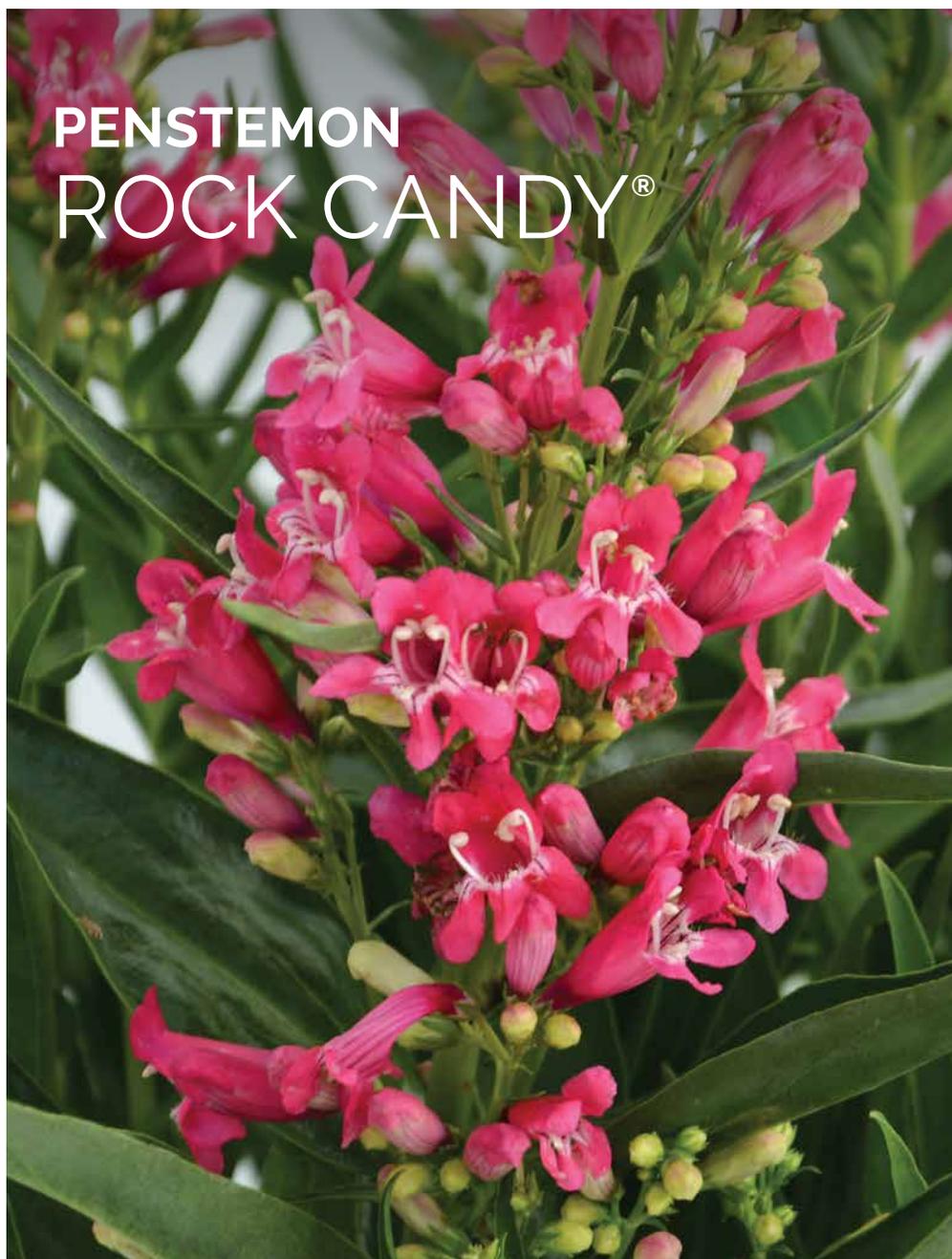
- Bell-shaped blooms on compact flower spikes.
- Plump panicles stand out against green foliage.
- Fits well at the front of a border, along walkways and in containers.
- Hardy to Zone 5.

Blue 'Novapenblu' PP27.786

Light Pink 'Novapenlig' PP27.787

Pink 'Novapenpin' PP26.701

Ruby 'Novapenrub' PP27.820



Ruby



Blue



Light Pink



Pink



Ruby



Penstemon Mini-Bells Lavender Bicolor



Penstemon Mini-Bells Red



Penstemon 'Blackbeard'



Penstemon 'Onyx and Pearls'



Penstemon Mini-Bells Red

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.

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 ●
(BEARD TONGUE)

Penstemon hybrida

DARWIN PERENNIALS

MINI-BELLS™ SERIES

First Year Flowering

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

Bloom Months: June to August

USDA Hardiness Zones: 7a to 9a

Flowers profusely in early Spring and reblooms in Fall.

- Compact, interspecific Penstemon.
- Full, upright habit.
- Dark green foliage.

Lavender Bicolor Rich lavender flowers have a white throat. 'Balmblavbi' PP30.698

Red Stunning rose-red flowers. 'Balmbred' PP30.699

PENSTEMON ●
(BEARD TONGUE)

Penstemon hybrida

DARWIN PERENNIALS

'CHERRY SPARKS'

First Year Flowering

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

Bloom Months: May to August

USDA Hardiness Zones: 5a to 9b

PP28.869

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

- 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.

PENSTEMON 'CHERRY SPARKS'





Penstemon MissionBells Deep Rose

PENSTEMON ●
(BEARD TONGUE)

Penstemon hybrida

DARWIN PERENNIALS

MISSIONBELLS™
DEEP ROSE

First Year Flowering

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 Quartz Amethyst



Penstemon Quartz Red



Penstemon Quartz Rose

DARWIN PERENNIALS

QUARTZ® SERIES

First Year Flowering

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. 'Balquaired' PP32,296

Rose 'Novapenros' PP27,919



Penstemon Quartz Amethyst



Perovskia 'Prime Time'

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

NEW FOR 2023

'PRIME TIME'

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

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



Perovskia Little Lace

DARWIN PERENNIALS
LITTLE LACE

First Year Flowering

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.



Penstemon Pike's Peak Purple



Penstemon Red Rocks



Perovskia atriplicifolia

DARWIN PERENNIALS



TOP SELLER

Perovskia 'CrazyBlue'

PEROVSKIA ●
(RUSSIAN SAGE)

Perovskia atriplicifolia

DARWIN PERENNIALS

'CRAZYBLUE'

First Year Flowering

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 'Blue Jean Baby'

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.

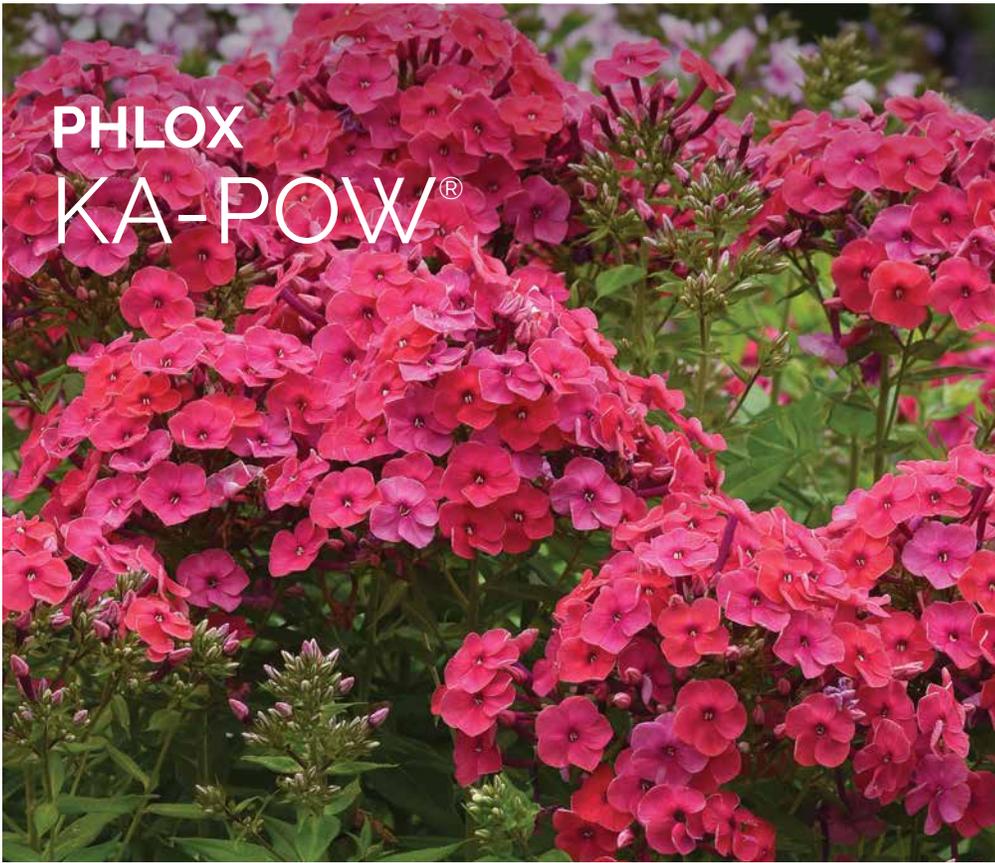
PHLOX

HEIGHT COMPARISONS

Phlox paniculata



Phlox Ka-Pow
White Bicolor



PHLOX
KA-POW®

PHLOX ●
(HYBRID PHLOX)
Phlox paniculata

DARWIN PERENNIALS

KA-POW® SERIES

First Year Flowering

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

Ka-Pow packs a punch!

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

Lavender 'Balkapolav' PP30,780

Pink 'Balkapopink' PP30,779

Purple 'Balkapopur' PP30,781

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

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

TOP SELLER White Bicolor
'Balkapowibi' PP30,782

Pink



Lavender



Pink



Purple



Soft Pink



White



TOP SELLER
White Bicolor

PHLOX 
 (HYBRID PHLOX)
Phlox paniculata

DARWIN PERENNIALS

SUPER KA-POW™ SERIES

First Year Flowering

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

Super-sized for more power!

- 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



PHLOX SUPER KA-POW™

Lavender



Blue



Coral



Fuchsia



Lavender



Pink



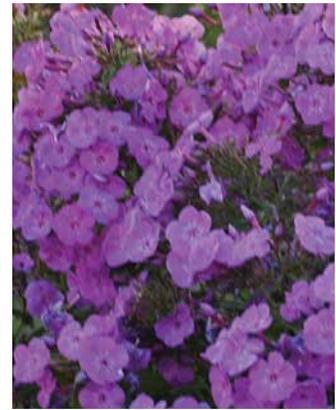
White



Phlox 'Fashionably Early Crystal'



Phlox 'Fashionably Early Flamingo'



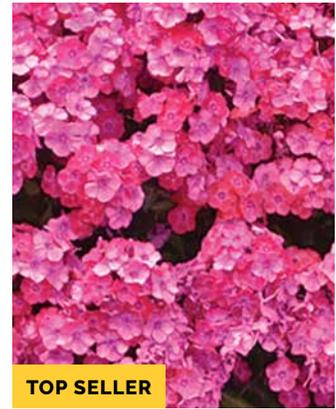
Phlox Garden Girls 'Cover Girl'



Phlox 'Fashionably Early Lavender Ice'



Phlox 'Fashionably Early Princess'



Phlox Garden Girls 'Glamour Girl'



Phlox Garden Girls 'Party Girl'



Phlox Garden Girls 'Uptown Girl'

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.

TOP SELLER

'Fashionably Early Crystal'

Pure white flowers with a faint, light purple eye and broad, dark green foliage. PP28,679

'Fashionably Early Flamingo'

Perfectly defined panicles of light lavender-pink flowers with broad, thick, bright green foliage. PP29,912

'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

WALTERS GARDENS

GARDEN GIRLS™ COLLECTION

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

Tall garden Phlox collection topped with large panicles of vibrant-colored flowers. These varieties thrive in the heat and attract pollinators for a big show in the garden 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

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. Powdery mildew resistant. PP25,778

'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 powdery mildew resistance and impressive reblooming. PP32,287

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



Phlox 'Baby Doll Pink'



Phlox 'Baby Doll White'



Phlox 'Cherry Cream'



Phlox 'Magenta Pearl'



Phlox 'Bright Eyes'



Phlox 'Laura'



Phlox 'Nicky'



Phlox 'Norah Leigh'



Phlox 'Red Riding Hood'



Phlox 'Starfire'



Phlox 'Younique Old Blue'



Phlox 'Younique Red'

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
NEW 'Baby Doll White' PP33,487

'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.

DARWIN PERENNIALS

'CHERRY CREAM'

First Year Flowering

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.

'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.

WALTERS GARDENS

'MAGENTA PEARL'

Height: 20 to 24 in. (51 to 61 cm)
Bloom Months: July to August
USDA Hardiness Zones: 4a to 8b
 PP33,795

Lavender pink flowers have a slight halo. Flowers densely pack the habit at peak bloom; excellent reblooming.

'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.

'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.

COMPASS PLANTS, B.V.

YOUNIQUE SERIES

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

Great series of large-flowered, compact garden Phlox.

Old Blue 'Versoldblue' PP26,070
Red 'Versred' PP28,144



Phlox 'Bedazzled Lavender'



Phlox 'Bedazzled Pink'



Phlox 'Rocky Road Grape'



Phlox 'Rocky Road Magenta'



Phlox 'Rocky Road Pink'



Phlox 'Rocky Road Violet Blue'



Phlox Paparazzi Angelina



Phlox Paparazzi Jagger

PHLOX ●
(HYBRID SPRING PHLOX)

Phlox hybrida

WALTERS GARDENS

BEDAZZLED SERIES

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

Bloom Months: June

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

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.

WALTERS GARDENS

ROCKY ROAD SERIES

Height: 4 to 6 in. (10 to 15 cm)

Bloom Months: May to June

USDA Hardiness Zones: 4a to 8b

The perfect Spring groundcover for dry rock gardens.

'**Rocky Road Grape**' Red-purple flowers with unique notched petals. PP32,248

'**Rocky Road Magenta**' Magenta flowers have a small, dark eye. PP31,485

'**Rocky Road Pink**' PP31,486

'**Rocky Road Violet Blue**' PP32,288



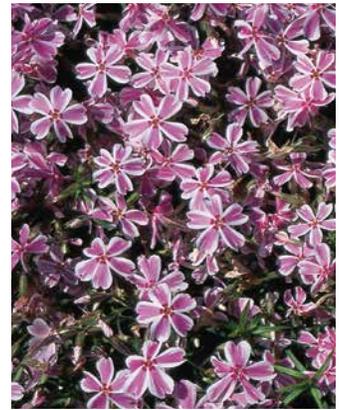
Phlox 'Violet Pinwheels'



Phlox 'Blue Moon'



Phlox 'May Breeze'



Phlox 'Candy Stripe'



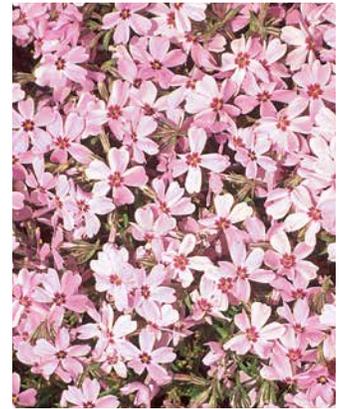
Phlox 'Coral Eyes'



Phlox 'Drummond's Pink'



Phlox 'Emerald Cushion Blue'



Phlox 'Emerald 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.

'CORAL EYES'

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

Blush-pink flowers with a coral-red eye and green, needle-like leaves.

'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 '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: June
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: April to June
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: June
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.



Physostegia Autumn Carnival



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

WALTER BLOM PLANTS, B.V.

AUTUMN CARNIVAL

Height: 15 to 17 in. (38 to 43 cm)
Bloom Months: August to September
USDA Hardiness Zones: 5a to 9b

'NICAUCA' PP29,859

Perfect for Summer flowering programs.

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
PP12,637

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'

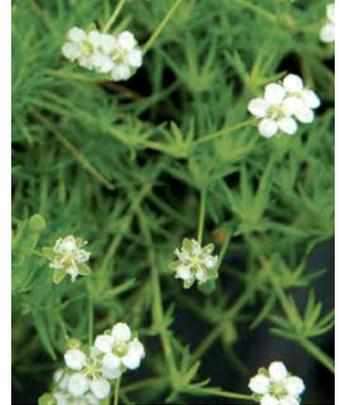
Height: 2 in. (5 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 7b

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

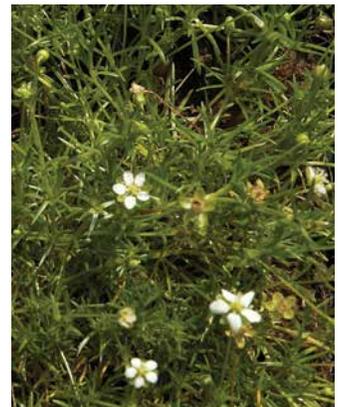
IRISH MOSS

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

Solid green, tight grower with small, white flowers.



Sagina 'Aurea'



Sagina Irish Moss

NEW

POLEMONIUM 'GOLDEN FEATHERS'

POLEMONIUM ●
(JACOB'S LADDER)

Polemonium pulcherrimum

DARWIN PERENNIALS

NEW FOR 2023

'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

PPAF

**Golden variegated foliage
brings innovation to the shade.**

- 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.



SALVIA

HEIGHT COMPARISONS

Salvia nemorosa



Salvia
'Blue By You'

Marvel
Collection

Sensation™ Medium
& Compact Series

'Blue by You'

Lyrical™ Series

TOP SELLER

SALVIA 'ROSE MARVEL'



SALVIA ●
(SAGE)

Salvia nemorosa

DARWIN PERENNIALS

'ROSE MARVEL'

First Year Flowering

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

Bloom Months: March to September

USDA Hardiness Zones: 4a to 9b

PP30,118

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

- 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.

SALVIA ●
(SAGE)

Salvia nemorosa

DARWIN PERENNIALS

'SKY BLUE MARVEL'

First Year Flowering

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'

First Year Flowering

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

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

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

- 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



Blues



Rose



Silvertone



White



Salvia Sensation Compact Deep Blue



Salvia Sensation Compact Sky Blue



Salvia Sensation Medium Deep Rose

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.

WALTERS GARDENS

'TIDAL POOL'

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: May to August
USDA Hardiness Zones: 3a to 8b
 PP33,801

Bicolor flowers have violet blue hoods and lighter insides. Individual flowers are larger than typical *S. nemorosa* and cover a low, wide habit.



Salvia 'Tidal Pool'



TOP SELLER

Salvia 'Bumbleberry'

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.



Salvia 'Bumbleblue'

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.



Salvia 'Bumblesky'

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.



Salvia 'Bumblesnow'

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' PP13.322

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 'Furman's Red'



Salvia 'Black & Blue'



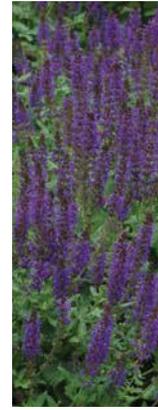
Salvia 'Wendy's Wish'



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 hybrid

PLANTHAVEN INT'L, INC.

'WENDY'S WISH'

Height: 30 to 40 in. (76 to 102 cm)
Bloom Months: July to frost
USDA Hardiness Zones: 9a to 10a
PP21.889

Vivid magenta, tubular flowers with fluted tips atop large, glossy foliage and a compact, slightly open habit. Great for use in landscapes and containers.

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.

TOP SELLER

SALVIA 'RADIO RED'

SALVIA ●
(SAGE)

Salvia greggii

DARWIN PERENNIALS

'RADIO RED'

First Year Flowering

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

Bloom Months: March to September

USDA Hardiness Zones: 7a to 10b

PP26,362

TOP SELLER Blooms all Summer
long – nice in containers.

- 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.



SALVIA 
(SAGE)

Salvia hybrida

DARWIN PERENNIALS

'BLUE BY YOU'

First Year Flowering

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

Bloom Months: March to September

USDA Hardiness Zones: 4b to 9a

PP31.033

Repeat flowers throughout
Spring and Summer.

- 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.





Blue



Burgundy



TOP SELLER

Cherry Red

SALVIA ●
(SAGE)

Salvia greggii

DARWIN PERENNIALS

MIRAGE™ SERIES

First Year Flowering

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'

Neon Rose 'Balmirrose'

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. 'Balmirsat' PP30,729

Soft Pink 'Balmirsopin'

Violet 'Balmirvio' PP29,724

White Crisp, clear white blooms. 'Balmirwite'



TOP SELLER

Deep Purple



Hot Pink



Neon Rose



Pink



Rose Bicolor



Salmon



Soft Pink



Violet



White

SALVIA 
(SAGE)

Salvia hybrida

DARWIN PERENNIALS

ARCTIC BLAZE® SERIES

First Year Flowering

Height: 24 in. (61 cm)

Bloom Months: March to September

USDA Hardiness Zones: 6a to 11

**Bred for improved hardiness
and terrific repeat blooming.**

- Bright blooms.
- Compact habit with sturdy,
flexible branches.
- Blooms from Spring through Fall.

Fuchsia 'Novasalfuc' PP28.619

Purple 'Novasalpur' PP28.717

Red 'Novasalred' PP28.620



Fuchsia



Fuchsia



Purple



Red



SCABIOSA FLUTTER™

SCABIOSA (PINCUSHION FLOWER)

Scabiosa columbaria

DARWIN PERENNIALS

FLUTTER™ SERIES

First Year Flowering

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

Compact habit and shorter peduncles for easier shipping and showing!

- 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 'Balfuttddelu' PP28,043

Pure White Stunning, pure-white variety is a unique color for the market. Self-cleaning and long-flowering. 'Balfutturite' PP30,119

Rose Pink 'Balfuttropi' PP27,809

Rose Pink



Deep Blue



Pure White



Rose Pink



TOP SELLER

Sedum 'Little Miss Sunshine'

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

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.

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 'Steel the Show'

SEDUM ●
(STONECROP)
Sedum album

'ATHOUM'

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

Plump, dark green rosettes of red-tipped, evergreen leaves and light pink to white flowers.

'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 'Night Light'

SEDUM ●
(STONECROP)
Sedum dasphyllum

'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.

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
PPAF

'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.



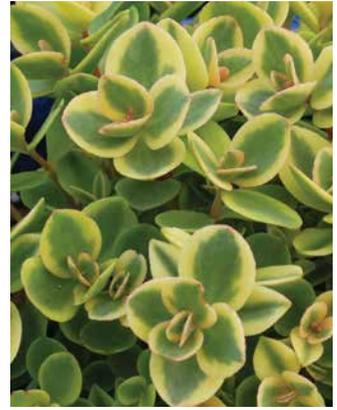
Sedum SunSparkler 'Blue Elf'



Sedum SunSparkler 'Cherry Tart'



Sedum SunSparkler Dazzleberry



Sedum SunSparkler 'Lime Twister'



Sedum SunSparkler 'Lime Zinger'



Sedum SunSparkler 'Plum Dazzled'



Sedum SunSparkler 'Wildfire'



Sedum 'Glitterbug'

GARDEN SOLUTIONS

SUNSPARKLER® SERIES

Height: 4 to 6 in. (10 to 15 cm)

Bloom Months: August to September

USDA Hardiness Zones: 4b to 10a

An excellent addition to rock gardens and pathways. Vibrant, colorful foliage attracts pollinators for a big show.

'Blue Elf' PP27,113

'Cherry Tart' PP24,603

Dazzleberry 'Razzleberry' PP22,457

'Lime Twister' PP26,895

'Lime Zinger' PP24,632

'Plum Dazzled' PP30,348

'Wildfire' PP28,621

SUNSPARKLER is a U.S. registered trademark of Christopher M. Hansen.

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.

WALTERS GARDENS

NEW FOR 2023

'GLITTERBUG'

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

Bloom Months: July

USDA Hardiness Zones: 3a to 9b

PPAF

Very small, mounding Sedum with bright yellow flowers on red stems with green leaves. Does not spread or run around the garden. Great for filling small spaces or rock gardens.

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

NEW FOR 2023

'YELLOW DIAMONDS'

First Year Flowering

Height: 7 to 10 in. (18 to 25 cm)

Bloom Months: July to August

USDA Hardiness Zones: 5a to 9a

PPAF

**Bright yellow, star-shaped
flowers cover the dense,
nicely mounded habit.**

- 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.
- Deer and rabbit resistant; drought tolerant and low maintenance.



Sedum 'Yellow Diamonds'

SEDUM ●
(STONECROP)

Sedum spurium

DARWIN PERENNIALS

NEW FOR 2023

WHAT A DOOZIE

First Year Flowering

Height: 2 to 5 in. (5 to 13 cm)

Bloom Months: July to August

USDA Hardiness Zones: 5a to 9b

'Spiraling Doozie' PP31,789

**Creeping groundcover
with reliable green and
white variegation.**

- Trialed and proven to not show any reversion – a superior trait compared to competitors.
- Variegation is stable, for less shrink and dependable production.
- Plants gain attractive blush pink and creamy pink flowers in Fall.



Sedum What A Doozie

SEDUM PRIMA ANGELINA

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 (EU:Grosegold)'
CPBRAFF; 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 'Angelina'



Sedum sexangulare



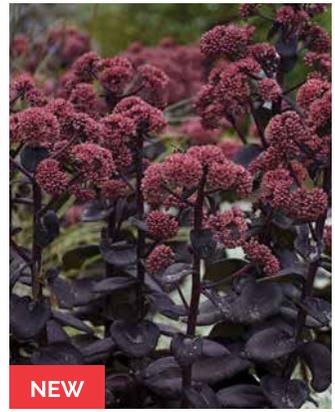
Sedum sieboldii



Sedum 'Autumn Fire'



Sedum 'Autumn Joy'



Sedum 'Night Embers'



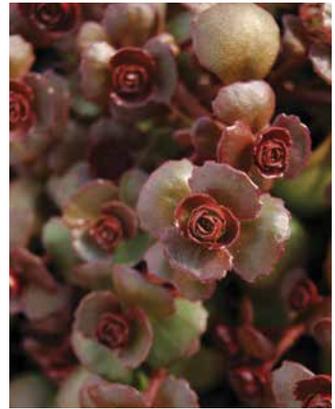
Sedum 'Powderpuff'



Sedum 'Spellbound'



Sedum 'Dragons Blood'



Sedum 'Fuldaglut'

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 
(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
NEW FOR 2023

'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
PP29.714

Billowy, puffy dome of bright rosy-pink flowers in late Summer to early Fall.

WALTERS GARDENS

'SPELLBOUND'

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: August to October
USDA Hardiness Zones: 3a to 9b
PPAF

Soft pink buds open to cream flowers that bubble over a domed habit of gray-green leaves.

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 'Carmen'



Sempervivum 'Commander Hay'



Sempervivum 'Kalinda'



Sempervivum 'Red Beauty'



Sempervivum 'Royal Ruby'



Sempervivum 'Ruby Heart'



Sempervivum 'Silverine'

'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

'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 'Cobweb'



Sempervivum 'Sunset'



Silene 'Clifford Moor'



Solidago 'Little Lemon'



Solidago 'Fireworks'



Stachys 'Hummelo'



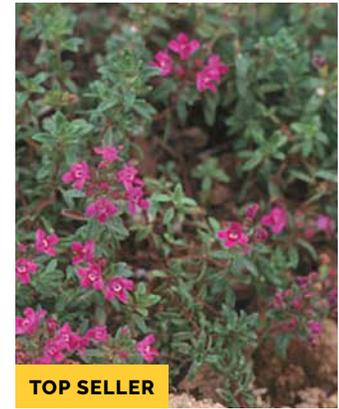
Stachys 'Helene Von Stein'



Stachys 'Silver Carpet'



Thymus 'Albiflorus'



Thymus 'Coccineus'

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 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.

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

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.

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.

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.

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.

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

TOP SELLER 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.



TOP SELLER

Thymus 'Pseudolanuginosus'



Thymus 'Magic Carpet'



Thymus 'Pink Chintz'



Verbena 'Lollipop'



DARWIN PERENNIALS



Verbena 'Lavender Lightsaber'



Verbena First Glory



Verbena First Lady



Verbena First Love

Verbena 'Homestead Hot Pink'

THYMUS ●
(THYME)

Thymus praecox

'PSEUDOLANUGINOSUS'

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

TOP SELLER Also known as Woolly Thyme. Woolly creeper with gray foliage and white flowers; 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'

First Year Flowering

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

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.

'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 ●
(SPIKE SPEEDWELL)

Veronica

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 longifolia

FLORIUS PLANTS B.V.

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 B.V.

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 B.V.

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 longifolia

DARWIN PERENNIALS

NEW FOR 2023

SKYWARD™ SERIES

First Year Flowering

Height: 14 to 18 in. (36 to 46 cm)

Bloom Months: April to September

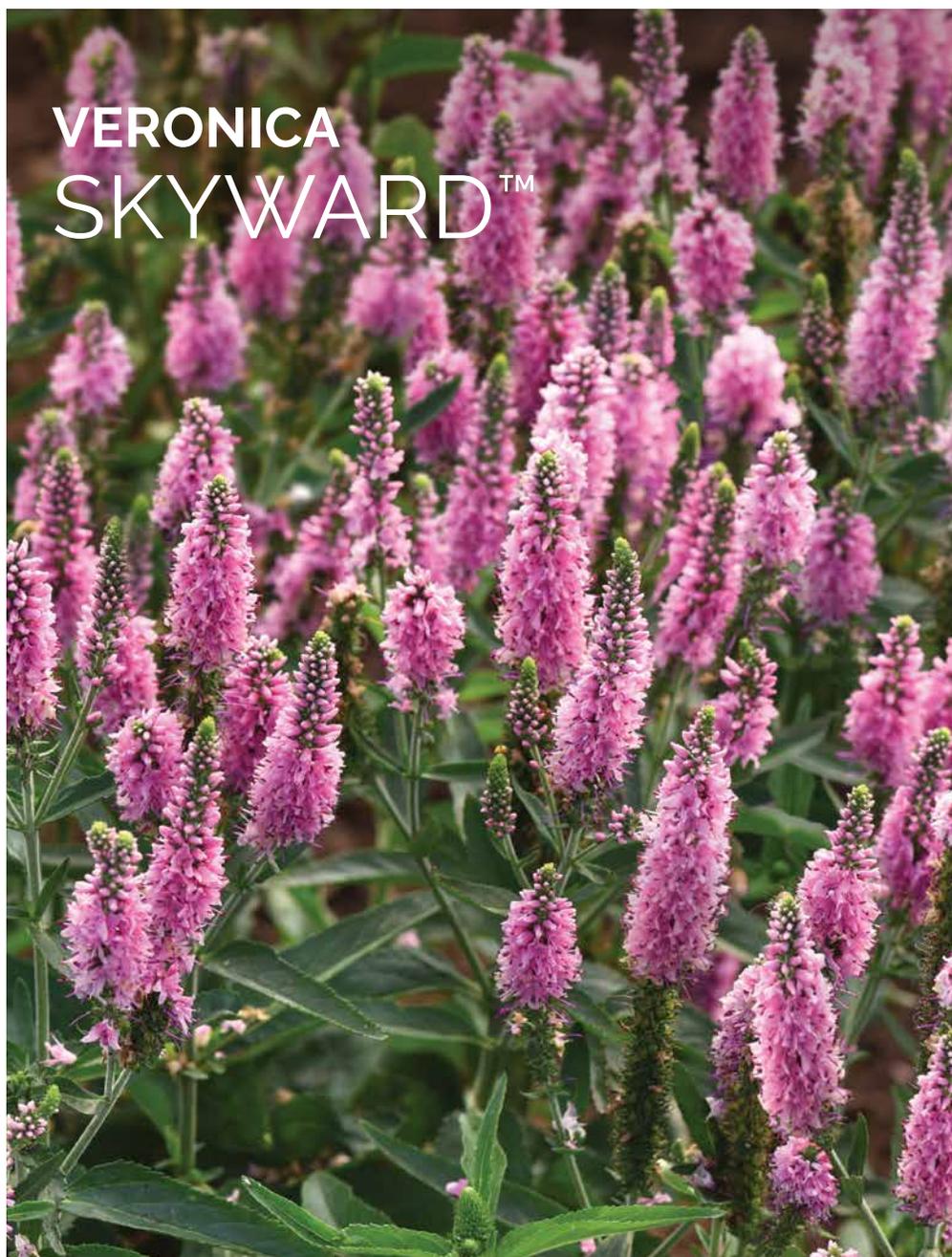
USDA Hardiness Zones: 4b to 9a

Skyward's dense, compact habit and sturdy stems make it a premium product in 2.5-qt. to 1.5-gal. containers.

- 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 'Balskywtue' PPAF

Pink 'Balskywink' PPAF



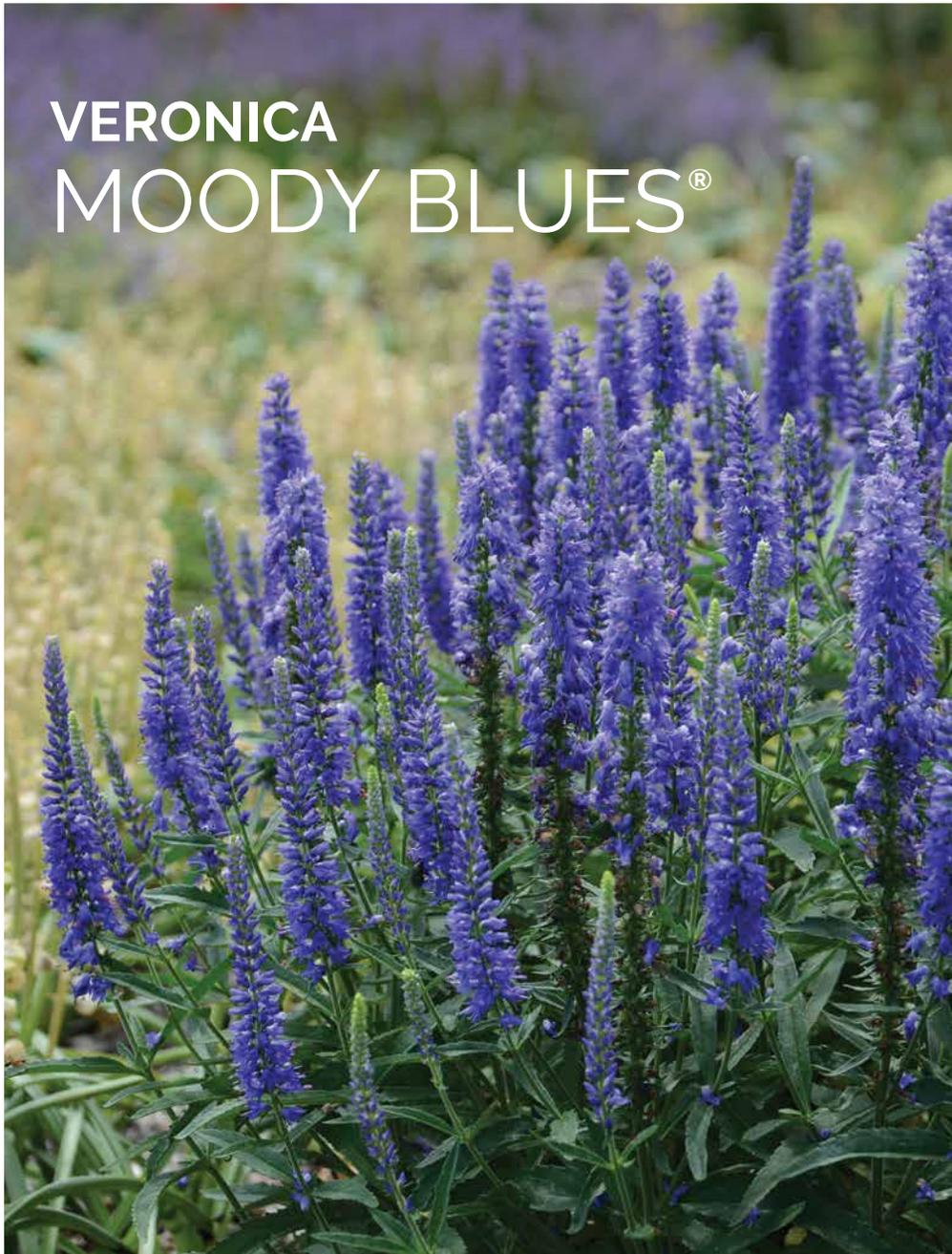
Pink



Blue



Pink



VERONICA MOODY BLUES®

VERONICA ●
(SPIKE SPEEDWELL)

Veronica hybrida

DARWIN PERENNIALS

MOODY BLUES® SERIES

First Year Flowering

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: May to October
USDA Hardiness Zones: 4b to 9b

Compact series of first-year-flowering Veronica.

- 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.

TOP SELLER Dark Blue

'Novaverblu' PP26,602

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'

Dark Blue



TOP SELLER

Dark Blue



Dark Pink



Mauve



Pink



Sky Blue



White



Veronica Venice Blue

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 'Blue Skywalker'

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.



Veronica 'Perfectly Picasso'

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 remountant 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 'Royal Rembrandt'



Veronica 'Very Van Gogh'



Veronica 'Purple Leia'

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
PPAF

'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 'Purpleicious'

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 Royal Candles

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.



Vinca 'Illumination'

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' PP18,932

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

First Year Flowering

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

Bloom Months: February to October

USDA Hardiness Zones: 4b to 9b

Excellent hardiness for long-lasting garden enjoyment.

- 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 Violet'



'Halo Golden Yellow'



'Halo Lemon Frost'



'Halo Lilac'



TOP SELLER

'Halo Sky Blue'



Viola Celestial Northern Lights



Viola Celestial Starry Night



Viola Celestial Twilight



Viola 'Etain'



Viola 'Rebecca Cawthorne'

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	
	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	Echinacea Sombrero	Echinacea Sombrero	
	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	
	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', Grand Bleu	Caryopteris 'Gold Crest', Grand Bleu	Caryopteris 'Gold 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'	Lavender 'SuperBlue'	Lavender 'SuperBlue'	
	Leucanthemum Ooh La, 'Whitecap'	Perovskia 'CrazyBlue'	Perovskia 'CrazyBlue'	
	Monarda Balmy, BeeMine	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	
	Nepeta Prelude	Salvia Lyrical, Marvel	Salvia Lyrical, Marvel	
	Perovskia 'CrazyBlue'	Scabiosa Flutter	Scabiosa Flutter	
	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Veronica Moody Blues		
	Salvia Lyrical, Marvel			
	Scabiosa Flutter			
	Verbena Homestead Hot Pink			
	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', Grand Bleu		Caryopteris 'Gold Crest', Grand Bleu	Caryopteris 'Gold Crest', Grand Bleu	
Coreopsis UpTick		Coreopsis UpTick	Coreopsis UpTick	
Digitalis Arctic Fox Rose		Digitalis Arctic Fox Rose	Digitalis Arctic Fox Rose	
Echinacea Sombrero		Echinacea Sombrero	Echinacea Sombrero	
Helenium Salud		Helenium Salud	Helenium Salud	
Helianthus 'Autumn Gold'		Helianthus 'Autumn Gold'	Helianthus 'Autumn Gold'	
Heuchera Carnival		Heuchera Carnival	Heuchera Carnival	
Lavender Primavera, 'SuperBlue'		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', Grand Bleu			
	Delosperma Ocean Sunset	Delosperma Ocean Sunset	Delosperma Ocean Sunset	Delosperma Ocean Sunset
	Digitalis Arctic Fox Rose			
	Heliopsis 'Sunstruck'	Heliopsis 'Sunstruck'	Heliopsis 'Sunstruck'	Heliopsis 'Sunstruck'
	Iberis 'Summer Snowdrift'	Iberis 'Summer Snowdrift'	Iberis 'Summer Snowdrift'	Iberis 'Summer Snowdrift'
	Lavender Primavera, 'SuperBlue'	Lavender Primavera, 'SuperBlue'	Lavender Primavera, 'SuperBlue'	Lavender Primavera, 'SuperBlue'
	Leucanthemum Ooh La, 'Whitecap'			
	Monarda Balmy, BeeMine	Monarda Balmy, BeeMine	Monarda Balmy, BeeMine	Monarda Balmy, BeeMine
	Nepeta Junior Walker, Prelude, Whispurr			
	Perovskia 'CrazyBlue'	Penstemon MissionBells Deep Rose	Penstemon MissionBells Deep Rose	Penstemon MissionBells Deep Rose
	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Perovskia 'CrazyBlue'	Perovskia 'CrazyBlue'	Perovskia 'CrazyBlue'
	Salvia Lyrical, Marvel	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow	Phlox 'Cherry Cream', Ka-Pow, Super Ka-Pow
	Scabiosa Flutter	Salvia Lyrical, Marvel	Salvia Lyrical, Marvel	Salvia Lyrical, Marvel
	Verbena Homestead Hot Pink	Scabiosa Flutter	Scabiosa Flutter	Scabiosa Flutter
	Veronica Moody Blues	Verbena Homestead Hot Pink	Verbena Homestead Hot Pink	Verbena Homestead Hot Pink
		Veronica Moody Blues	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	Echinacea Sombrero	Echinacea Sombrero	Echinacea Sombrero
	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'	Lavender Primavera, 'SuperBlue'	Lavender Primavera, 'SuperBlue'	Lavender Primavera, 'SuperBlue'
	Penstemon Rock Candy	Miscanthus Bandwidth	Miscanthus Bandwidth	Miscanthus Bandwidth
	Perovskia 'CrazyBlue'	Penstemon Rock Candy	Penstemon Rock Candy	Penstemon Rock Candy
	Salvia Lyrical, Marvel	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.

DARWIN PERENNIALS PROPAGATION GUIDE

PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
20		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	
19		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	
17		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	
23		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	
25		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	
28		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	
26		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	
29		BRUNNERA <i>Brunnera macrophylla</i>	'Frostbite'	EC 0.75-0.80 mmhos/pH 5.8-6.2	68-72°F (21-22°C)	None	
30		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	
34		CARYOPTERIS <i>Caryopteris x clandonensis</i>	'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	
34		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	
38		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	
35, 36, 37		COREOPSIS <i>Coreopsis hybrida</i>	'Electric Sunshine', '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	
38		COREOPSIS <i>Coreopsis verticillata</i>	'Sylvester', Crème Caramel	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
40		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	
41		DELPHINIUM <i>Delphinium x hybrida</i>	'Red Lark'	5.8-6.2	68-72°F (21-22°C)	None	

Go to [FirstYearFloweringTool.com](https://www.FirstYearFloweringTool.com) to find the most current information in our interactive culture guide.

	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.
	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.
	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.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
43		DIANTHUS <i>Dianthus hybrida</i>	Mountain Frost™ Collection	EC 0.80 mmhos/pH 5.8-6.2	68-70°F (20-21°C)	500 ppm IBA	
44		DIGITALIS <i>Digitalis hybrida</i>	Arctic Fox Series, Foxlight™ Series	EC 0.75-0.80 mmhos/pH 6.0-6.4	70-72°F (21-22°C)	1,000 ppm IBA basal dip	
46, 47, 48		ECHINACEA <i>Echinacea x hybrida</i>	Double Scoop™ Series, Sombbrero Poco™ Series, Sombbrero® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	72-78°F (21-24°C)	None	
49		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	
50		ERYSIMUM <i>Erysimum linifolium</i>	Cheers™ Series	EC 0.80 mmhos/pH 5.8-6.2	68-70°F (20-21°C)	500 ppm IBA	
51		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	
51		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	
54		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	
53		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	
55		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	
60		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	
60		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	
63		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	
62		HEUCHERA <i>Heuchera x villosa</i>	Big Top Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-74°F (21-23°C)	None	
65		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	

Go to FirstYearFloweringTool.com to find the most current information in our interactive culture guide.

	MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
	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 10 days after sticking	Pinch 21-25 days after sticking.	42-49 days after sticking	Don't oversaturate media. Low mist levels work best.
	Low	Begin feeding 50-75 ppm 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.
	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 .
	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.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
66		IBERIS <i>Iberis sempervirens</i>	'Snowsation'	EC 0.80 mmhos/pH 5.8-6.2	68-72°F (20-22°C)	300 ppm IBA	
64		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	
69		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	
69		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	
73, 74		LAVANDULA <i>Lavandula stoechas</i>	Anouk Series, Luxurious	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
72		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	
78		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	
78		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	
75		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	
80		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		LYSIMACHIA <i>Lysimachia congestiflora</i>	'Firefly'	EC 0.75-0.80 mmhos/pH 5.8-6.2	72-78°F (21-24°C)	500 ppm IBA	
84		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	
83		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	
90		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	
89		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	
87		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	

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	MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
	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.
	Low to moderate	50 ppm N starting at Day 7	One or two pinches in propagation for fuller plants.	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	
91		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	
92		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	
94, 95		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	
93		PENSTEMON <i>Penstemon hybrida</i>	Mini-Bells™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
97		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	
96		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	
99		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	
99		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	
100		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	
107		POLEMONIUM <i>Polemonium pulcherrimum</i>	'Golden Feathers'	0.75-0.80 mmhos/pH 5.8-6.2	68-72°F (21-22°C)	None	
117		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	
115		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	
118		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	
116		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, 110		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	
111		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	

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	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).
	Low to moderate	50-75 ppm N when roots become visible	Recommended.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media.
	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	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 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.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
119		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	
122		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	
123		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	
122		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	
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	
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	
128		VERONICA <i>Veronica longifolia</i>	Skyward™ 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	

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	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	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.
	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 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
20		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.
19		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.
17		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.
23		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.
25		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.
28		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.
26		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.
29		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.
30		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.
34		CARYOPTERIS <i>Caryopteris x clandonensis</i>	'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.
34		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.
38		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.
35		COREOPSIS <i>Coreopsis hybrida</i>	'Electric Sunshine'	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 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.
36		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
	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, as needed.	PGRs generally not needed	Spider mites, thrips	Not recommended	Rooted: 8-10 wks	Rooted: 10-12 wks	18-24 in. (46-61 cm)	8-9	June to November
	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

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PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT CANDLES	WATERING	FERTILIZATION	
37		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.	
38		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.	
38		COREOPSIS <i>Coreopsis verticillata</i>	'Sylvester'	5.8-6.2	Days: 55 to 80°F (13 to 27°C)	Long day obligate	No	5,000 to 8,000	Allow media to dry evenly between watering.	Maintain constant fertilizer at 150 to 200 ppm N.	
40		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.	
41		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.	
43		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.	
43		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.	
43		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.	
43		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.	
44		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.	
44		DIGITALIS <i>Digitalis hybrida</i>	Foxlight™ 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	Beneficial: needed for early flowering. Not needed for Summer flowering.	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	
48		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.	
47		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.	
46		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.	
49		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.	

	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
	Recommended	PGRs generally not needed	Manage soil moisture to avoid root diseases.	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	16-20 in. (41-51 cm)	4-9	June to September
	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
	Recommended	PGRs generally not needed	Aphids, White fly, Spider mites	Not recommended	12-14 wks	12-14 wks	22-24 in. (56-61 cm)	7-10	May 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

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50		ERYSIMUM <i>Erysimum linifolium</i>	Cheers™ Series	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.	
51		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.	
51		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.	
54		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.	
53		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.	
53		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.	
55		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.	
60		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.	
60		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.	
63		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.	
62		HEUCHERA <i>Heuchera x villosa</i>	Big Top Series	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.	
65		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.	
66		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.	
64		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.	
69		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.	

	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, a second pinch is often beneficial.	Sumagic 5-10 ppm spray	Watch for bacterial infections.	6-8 wks	10-12 wks	12-14 wks	18-22 in. (46-56 cm)	7-10	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
	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
	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

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69		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.	
73, 74		LAVANDULA <i>Lavandula stoechas</i>	Anouk Series, Luxurious	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.	
72		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.	
72		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.	
78		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.	
75		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.	
80		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.	
80		LYSIMACHIA <i>Lysimachia congestiflora</i>	'Firefly'	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	1,500 to 2,500	Low to moderate	Use a balanced fertilizer at a rate of 125 to 150 ppm N. Sensitive to high EC levels early in production.	
81		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	
81		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.	
81		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	
84		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.	
83		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.	
90		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.	
89		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.	

	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
	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
	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
	Typically not required	PGRs generally not needed	Watch for crown rot if overwatered.	6-8 wks	9-11 wks	Not recommended	6-8 in. (15-20 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)	5-9	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)	5-8	May to September

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PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT CANDLES	WATERING	FERTILIZATION
87		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.
91		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.
92		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.
94		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.
93		PENSTEMON <i>Penstemon hybrida</i>	Mini-Bells™ 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.
95		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.
95		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.
96		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.
97		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.
99		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.
102		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.
100		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.
107		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.
117		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.
115		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.

	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
	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
	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	Aphids, spider mites	Unrooted: 10-14 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)	7-9	June 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

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PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT CANDLES	WATERING	FERTILIZATION	
118		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.	
116		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>	'Blue Marvel', 'Rose 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.	
111		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.	
110		SALVIA <i>Salvia nemorosa</i>	'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.	
119		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.	
122		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.	
123		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.	
122		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.	
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.	
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.	
128		VERONICA <i>Veronica longifolia</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.	
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	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
	Typically not required	Will respond to 300 ppm Configure spray at young plant level	Spider mites	Not recommended	10-12 wks	12-14 wks	10-12 in. (25-30 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
	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	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	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: 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	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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The laws of the State of Illinois, including but not limited to the Uniform Commercial Code as adopted therein, shall govern all matters arising out of or relating to Seller's sale of merchandise. ANY DISPUTE NOT SUBJECT TO ARBITRATION AND ANY ACTION TO ENFORCE AN ARBITRATION AWARD ARISING OUT OF OR RELATING TO THE SALE OF MERCHANDISE HEREUNDER SHALL BE MAINTAINED IN THE STATE OR FEDERAL COURTS LOCATED IN DUPAGE OR COOK COUNTIES, ILLINOIS, AND PURCHASER SUBMITS TO THE JURISDICTION OF AND VENUE IN SAID COURTS.

INDEMNITY

By accepting merchandise, Purchaser agrees to defend Seller, to hold it harmless and indemnify it from and against any claim or loss asserted by any or all transferees of such merchandise or users of the products of such merchandise who are not notified by Purchaser in writing of Limitation of Warranty, Limitation of Remedy, Mandatory Arbitration, Governing Law Jurisdiction and Venue in language substantially equivalent to that contained in these Terms and Conditions of Sale.

PRICES

All prices are subject to change without notice. The price in effect at time of shipment will prevail. Prices do not include installation; Seller takes no responsibility, and shall have no liability for installation. Additional processing and handling charges may be added.

PAYMENT

Payment is due in invoiced currency and in accordance with the terms specified on invoice. In the event of default in the payment of any amount when due, and in addition to all other rights and remedies available to Seller, SELLER SHALL BE ENTITLED TO COLLECT A LATE CHARGE OF 2% PER MONTH (24% PER YEAR) OR THE MAXIMUM RATE ALLOWED BY LAW, WHICHEVER IS LESS, ON ALL AMOUNTS PAST DUE FROM THE DATE DUE UNTIL THE DATE PAID. A FEE OF \$25.00 WILL BE CHARGED FOR ANY RETURNED CHECK, DECLINED EFT TRANSACTION OR DECLINED BANKCARD TRANSACTION.

If paying by Pre-Authorized Debit (PAD), or EFT, please note you have waived your right to receive pre-notification of the amount of the PAD and agreed that you do not require advance notice of the amount of PADs before the debit is processed. You have certain recourse rights if any debit does not comply with these terms. For example, you have the right to receive a reimbursement for any PAD that is not authorized or is not consistent with this PAD agreement. To obtain more information on your recourse rights, contact your financial institution.

FREIGHT & HANDLING CHARGES, INSPECTION, DAMAGED GOODS

The freight and handling charge on Purchaser's invoice covers shipment of the merchandise to Purchaser's destination, and replacement or credit for damaged merchandise if the steps listed here are followed. PURCHASER WILL NOT REFUSE OR RETURN GOODS, OR THE RIGHT TO FILE A CLAIM IS LOST AND PURCHASER WILL STILL BE LIABLE FOR THE MATERIAL AND THE FREIGHT. When Purchaser receives shipment: 1) Count all cartons. 2) Inspect all cartons for external damage. 3) Check for open or resealed cartons. 4) Note any damages, shortages, open or resealed cartons on the delivery receipt; the carrier's representative must also sign the receipt. 5) Open all boxes immediately and inspect for damage such as scorched, frozen or broken plants; material shortages; etc. NOTIFY SELLER IMMEDIATELY IF A SHIPMENT IS DAMAGED. Call your sales representative to report the damage and receive details on what is needed to file a claim.

CANCELLATION POLICY

Cancellations for unrooted cuttings must be received at least thirty (30) days prior to scheduled ship date. Cancellations for liners must be received prior to stick or sow date.

NOTICE & RETURN

Seller shall have no liability for any defect unless notice is given promptly, not to exceed thirty (30) days after such defect is or should have been discovered. No merchandise may be returned without Seller's prior written authorization.

DELAYS, SHORTAGES & SUBSTITUTIONS

Seller shall not be responsible for delays in delivery or for losses resulting from such delays. Seller reserves the right to make partial shipment. In the event of shortages, Seller may substitute such other, similar merchandise as is available.

PLANT PROTECTION

Varieties described herein may be covered by the Flowering-Only Terms and Conditions of Sale Agreement, United States Plant Patents, United States Plant Variety Protection, Utility Patents, and Plant Breeders' Rights. These varieties may not be reproduced without authorization. The breeder or authorized representative has the right to inspect customers' nurseries during normal business hours to assess compliance with the restrictions on use of protected varieties.

TRADEMARKS

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SALES LIMITATIONS

EXPORT CONTROL. THE COMPANY'S PRODUCTS MAY NOT BE SOLD, DIVERTED, TRANSFERRED OR RE-EXPORTED, DIRECTLY OR INDIRECTLY, TO ANY INDIVIDUAL, ENTITY, OR DESTINATION THAT IS SUBJECT TO UNITED STATES OR UNITED NATIONS SANCTIONS PROGRAMS OR EMBARGOES (INCLUDING BUT NOT LIMITED TO OFAC SANCTIONS PROGRAMS AND THOSE LISTED ON OFAC'S "SPECIALLY DESIGNATED NATIONALS" LIST) WITHOUT AN APPROPRIATE EXPORT LICENSE.

FOREIGN CORRUPT PRACTICES ACT. EACH PARTY REPRESENTS AND WARRANTS TO THE OTHER PARTY THAT IT WILL TAKE NO ACTION IN RELATION TO THIS TRANSACTION THAT WOULD BE IN VIOLATION OF THE APPLICABLE LAWS AND REGULATIONS OF ANY COUNTRY AND THE UNITED STATES OF AMERICA. NO PAYMENTS OF MONEY OR ANYTHING OF VALUE WILL BE OFFERED, PROMISED OR PAID, DIRECTLY OR INDIRECTLY, TO ANY OFFICIALS TO INFLUENCE THE ACTS OF SUCH OFFICIALS TO INDUCE THEM TO USE THEIR INFLUENCE WITH A GOVERNMENT OR AN INSTRUMENTALITY THEREOF, OR TO OBTAIN AN IMPROPER ADVANTAGE.

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Artemisia SunFern Olympia
Best of Species

DARWIN PERENNIALS TRIAL & AWARD WINNERS

Congratulations to these top-performing varieties from Darwin Perennials. These awards are based on the results of extensive trials and competitions held throughout various regions.

Best Drought Tolerant Perennial – University of Georgia 2019

Lavandula 'Annet'69

Best Heat Tolerant Perennial – Smith Trial Gardens Trials 2020

Lavandula Primavera73

Best of Species – Pennsylvania State University Trials 2021

Artemisia SunFern™ Olympia26

Buddleia Chrysalis™ Purple30

Dianthus Mountain Frost™ Ruby Snow43

Echinacea Sombbrero® Fiesta Orange46

Best Pollinator Friendly Perennial & Top Performer – Raker-Roberta's Trials 2020

Nepeta Whispurr™ Blue87

Director's Select – Pennsylvania State University Trials 2021

Echinacea Sombbrero® Rosada46

Monarda BeeMine™ Lavender83

Top Performer – Colorado State University Flower Trial 2021

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Perovskia 'CrazyBlue'97

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Lavandula Primavera
Best Heat Tolerant Perennial



Echinacea Sombbrero Rosada
Director's Select



Veronica Moody Blues Mauve
Top Performer



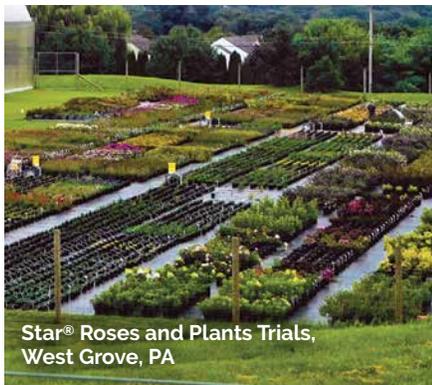
The Gardens at Ball,
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Raker Trial Gardens,
Litchfield, MI



The Ohio State University
Columbus, OH



Star® Roses and Plants Trials,
West Grove, PA

TRIAL LOCATIONS

We trial each of our new varieties for 3 to 7 years before bringing them to market – ensuring only the best products for your success.

Botanic Gardens of the Ozarks,
Fayetteville, AR

University of Guelph,
Guelph, ON, Canada

Vanstone Nurseries,
Portage la Prairie, MB, Canada

Colorado State University,
Fort Collins, CO

Florida Flower Trials,
Orlando, FL

University of Georgia,
Athens, GA

The Gardens at Ball,
West Chicago, IL

Louisiana State University,
Shreveport, LA

Raker Trial Gardens,
Litchfield, MI

University of Minnesota,
Morris, MN

Mississippi State University,
Mississippi State, MS

Metrolina Trial Garden,
Huntersville, NC

North Carolina State University,
Raleigh, NC

North Dakota State University,
Fargo, ND

Cincinnati Zoo,
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The Ohio State University,
Columbus, OH

Longwood Gardens,
Kennett Square, PA

Green Leaf Plants,
Smoketown, PA

Penn State University,
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Star® Roses and Plants Trials,
West Grove, PA

Texas A&M University,
Overton, TX

Smith Gardens,
Marysville, WA

University of Wisconsin,
Madison, WI



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To order Darwin Perennials liners and check live inventory, visit ballseed.com/webtrack

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Colbert, GA

Swift Greenhouses, Inc.
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GET Group, Inc.
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Zeeland, MI

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Auburn, NY

Little Prince of Oregon Nursery
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