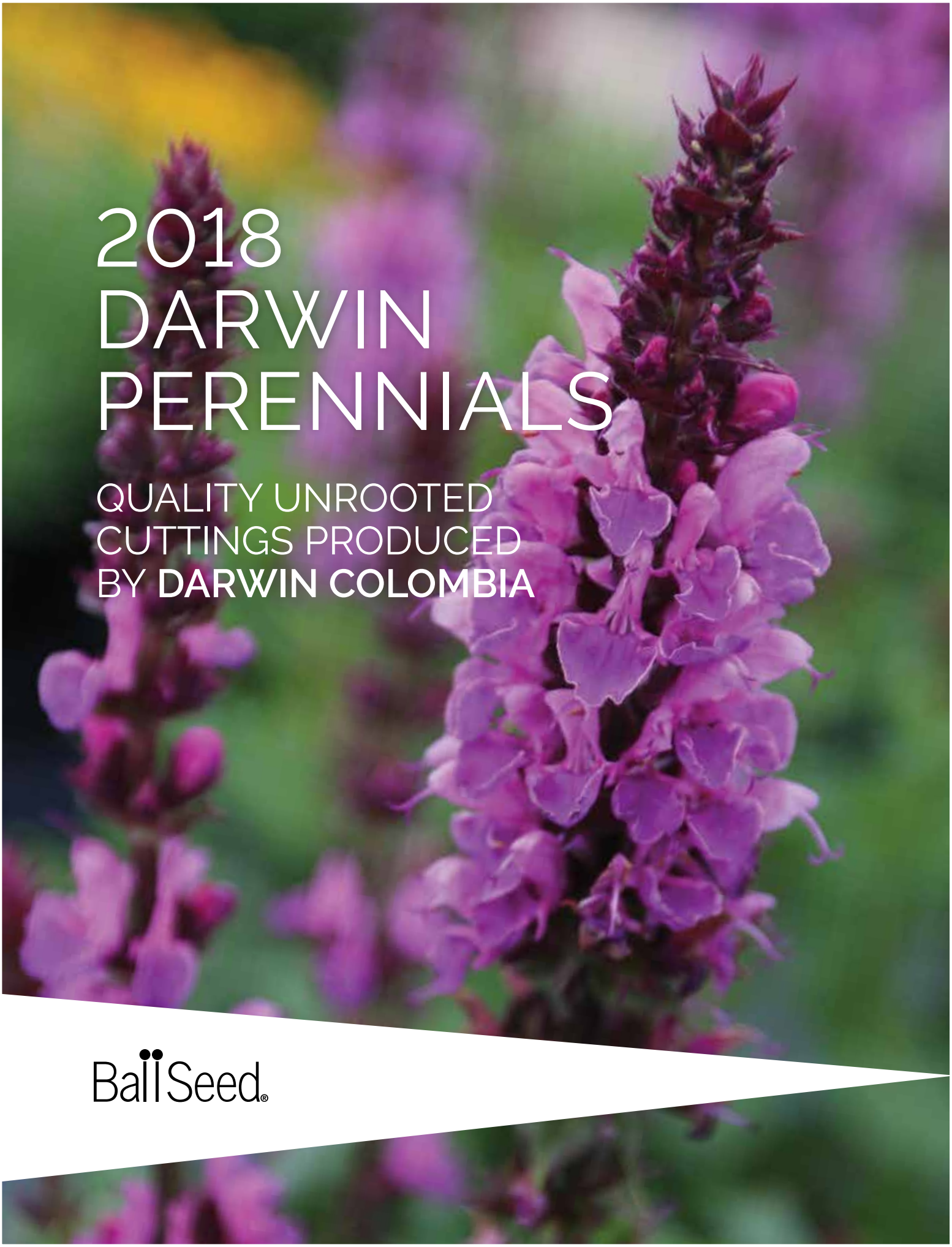


2018 DARWIN PERENNIALS

QUALITY UNROOTED CUTTINGS PRODUCED BY **DARWIN COLOMBIA**

Ball Seed®

BIGGER AND BETTER

Welcome to the 2018 Darwin Perennials catalog. Our breeding and product development pipeline is full and growing, with exciting new introductions that will provide you with Perennials With Staying Power™ for continued and repeat retail sales, plus performance in the garden and in patio containers.

You'll find exciting introductions like the new **Mountain Frost™ Collection Dianthus** on page XV, a great landscape border option that reblooms consistently from early Spring to Fall. **NEW Dreameria™ Armeria** on page 17 can take the heat for season-long flowering. Expanding on a tried-and-true series, we have two new and one improved variety of **Sombrero® Echinacea** on page XVI that offer rich colors along with the series' exceptional Winter hardiness. And, we are into **GRASSES!** Check out this section on page 6 for information on a compact form of **Miscanthus** called **Bandwidth**. This dwarf ornamental grass is infertile with attractive banded foliage.

Darwin Perennials is also pleased to offer the fine genetics from Walters Gardens breeding program as an exclusive from Darwin Colombia. This includes popular Walters genera like **Monarda, Nepeta, Phlox** and more. Our partnership strengthens the supply chain for these perennials.

And don't miss our new unrooted cutting sales exclusives from Ball Seed! **Salvia 'Rose Marvel'** on page XII offers a premium Spring perennial option for high impact in the landscape. Walters Gardens' three new **Agastache** varieties on page XIII feature compact habits and vibrant flower colors.

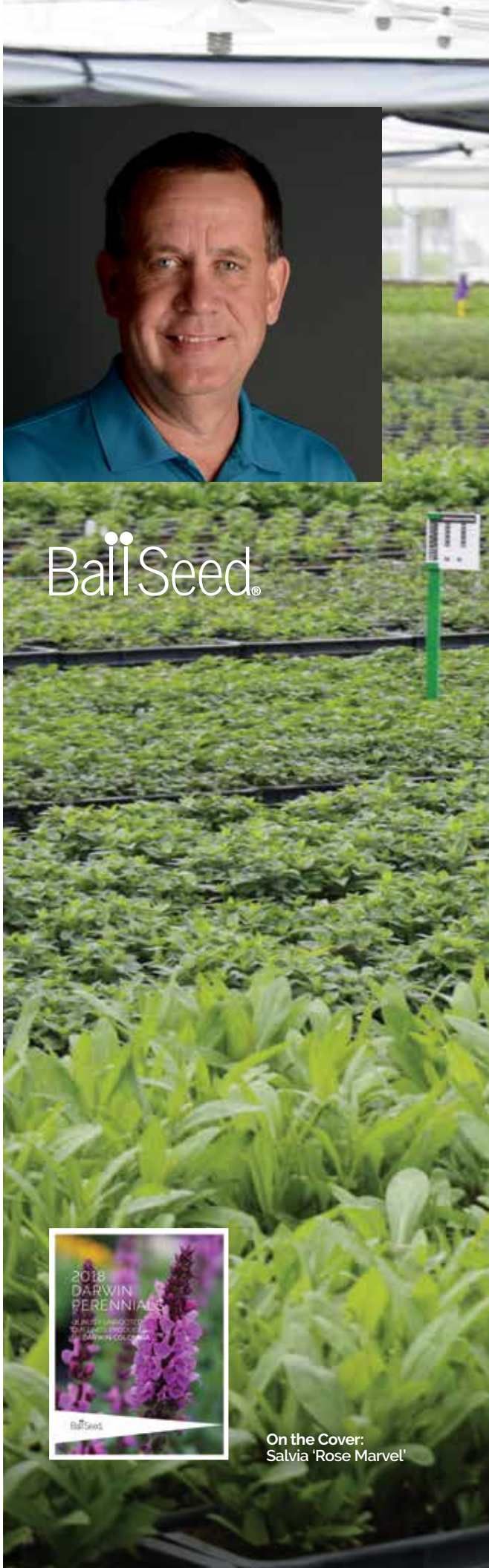
New for this year, we've included a **Grower Resources** section on page 114, focusing on scheduling perennials for Summer through Fall flowering, so you can guarantee fresh plants at retail.

As always, we are committed to bringing you the best, from our top-quality Perennials With Staying Power, to our Darwin Perennials customer service team, to our experienced technical support and growing culture information. We look forward to helping you find bigger and better success in the perennial business!

Mike

Sincerely,

Mike Klopmeyer, General Manager
630 588-3107, mklopmeyer@ballhort.com



On the Cover:
Salvia 'Rose Marvel'

DARWIN COLOMBIA

We have invested over $2 million in improvements to **Darwin Colombia,** our unrooted cutting production farm outside of Bogotá, to bring you a reliable supply of outstanding genetics. We are committed to maintaining our status as a leading supplier of perennial cuttings for the North American and European markets.

The farm has reliably produced unrooted cuttings since 2002, and we continue to make a number of significant infrastructure investments, including new water treatment and storage systems, and a new fertigation system for all of our greenhouses.

We also have installed new benching throughout the farm for stock production grown in pasteurized coco fiber that allows for excellent root development, resulting in high-quality cuttings.

In addition, **we have worked to establish our 600+ varieties** in our onsite tissue culture laboratory for annual renewal of elite, pathogen-tested clean stock, along with dedicated plant pathology support for production. Like you, we're in this for the long term!

DARWIN PERENNIALS® VARIETIES

Here's where to find our Perennials With Staying Power™ in this catalog.

Achillea 8, 10-12
Agastache 13
Alyssum 16
Armeria 17
Caryopteris 24
Coreopsis ..... X-XI, 26-27
Dianthus XV
Digitalis 31
Echinacea XVI-3
Erysimum 32-34
Eupatorium 35
Gaura 39-40
Helianthus 42
Heliopsis 43, 46
Heuchera 4-5
Iberis 47-48
Lavandula 51, 53-54
Leucanthemum 56-57
Miscanthus 6
Monarda 60-61
Nepeta 63
Penstemon 66-70
Perovskia 72-73
Phlox 76
Rhodanthemum 81
Salvia ..... XII, 84-87, 89-91
Scabiosa 94-95
Veronica 106-108
Viola 110-112

See inside back cover for full product listing.

DarwinPerennials®

DARWIN TEAM EVERYWHERE YOU NEED THEM

YOUR DARWIN PERENNIALS TEAM OF PLANT-LOVING PROFESSIONALS IS DEDICATED TO HELPING YOU GROW AND SELL SUCCESSFULLY!

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DarwinPerennials®

DARWIN 2018
NEW VARIETIES

HERE ARE THE LATEST VARIETIES FROM DARWIN PERENNIALS TO SATISFY THE DEMANDS OF AN EXPANDING PERENNIALS MARKET.

NEW Armeria Dreameria™ Series, page 17
NEW 'Daydream'
NEW 'Sweet Dreams'

NEW Dianthus Mountain Frost™ Collection, page XV
NEW Pink Carpet
NEW Pink PomPom
NEW Pink Twinkle
NEW Rose Bouquet
NEW Silver Strike
NEW White Twinkle

Echinacea Sombrero® Series, page XVI
NEW Granada Gold
NEW Lemon Yellow Improved
NEW Sangrita

NEW Erysimum 'Bowles Me Away', page 34

Erysimum Cheers™ Series, page 32
NEW Florange
NEW Sun-kissed Amethyst

NEW Helianthus 'Autumn Gold', page 42

NEW Iberis 'Snowsation', page 48

NEW Leucanthemum 'White Magic', page 56

NEW Miscanthus Bandwidth, page 6

NEW Phlox 'Cherry Cream', page 76

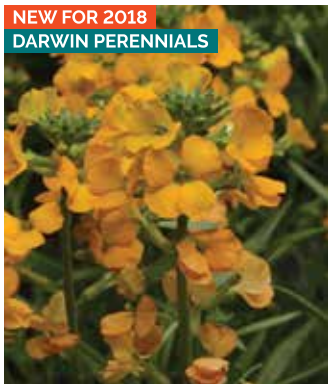
NEW Salvia 'Rose Marvel', page XII

Scabiosa Flutter™ Series, page 94
NEW Pure White

Armeria Dreameria 'Daydream', p. 17

Dianthus Mountain Frost Pink PomPom, p. XV

Echinacea Sombrero Granada Gold, p. XVI



Erysimum Cheers Florange, p. 32

Iberis 'Snowsation', p. 48

Leucanthemum 'White Magic', p. 56

Miscanthus Bandwidth, p. 6

Salvia 'Rose Marvel', p. XII

DARWIN PERENNIALS 2016 TRIAL AND AWARD WINNERS

CONGRATULATIONS TO THESE TOP-PERFORMING VARIETIES FROM DARWIN PERENNIALS, AWARDED BASED ON THE RESULTS OF TRIALS AND COMPETITIONS HELD THROUGHOUT 2016 IN VARIOUS REGIONS.

Coreopsis UpTick™ Series, page X
• Four Oaks "Best New Nursery Stock Plant Introduction"
• Louisiana State University 2016 Field Trials "Top Performer"
• Greenhouse Grower Medal Of Excellence Industry's Choice Award 2016
• Metrolina Greenhouse Field Trials 2016 "Top Performer"

Coreopsis UpTick™ Gold&Bronze, page X
• Costa Garden Trials 2016 "Top Performer"
• Allan Armitage California Spring Trials "Top Picks"

Digitalis Foxlight™ Series, page 31
Plantarium 2016 Silver Medal

Heuchera 'Carnival Rose Granita', page 4
Colorado State University Flower Trial 2016 "Top Performer Perennials"

Monarda Balmy™ Purple, page 60
Plantarium 2016 Bronze Medal

Perovskia 'CrazyBlue', page 72
Colorado State University Flower Trial 2016 "Top Performer Perennials"

Salvia Arctic Blaze® Series, page 86
University of Georgia Trial Gardens "Plants of Distinction"

Salvia 'Blue Marvel', page 89
• Plantarium 2016 Gold Medal
• HTA National Plant Show "Best In Show"

Salvia Mirage™ Cherry Red, page 84
Colorado State University Flower Trial "Best Of..." Award

Coreopsis UpTick Cream&Red, p. X

Coreopsis UpTick Gold&Bronze, p. X

Digitalis Foxlight Plum Gold, p. 31

Heuchera 'Carnival Rose Granita', p. 4

Monarda Balmy Purple, p. 60

Perovskia 'CrazyBlue', p. 72

Salvia Arctic Blaze Red, p. 86

Salvia 'Blue Marvel', p. 89

Salvia Mirage Cherry Red, p. 84

WALTERS GARDENS

EXPANDING ON THE FINEST GENETICS

We are pleased to be partnering with a well-recognized North American perennial young plant supplier, Walters Gardens, in offering their varieties as unrooted cuttings out of Darwin Colombia. The Walters Gardens lineup includes more than 40 varieties covering 10 popular classes, expanding our unbeatable selection of the finest genetics in perennials.

Look for these impressive introductions:

NEW Agastache 'Mango Tango', 'Peachie Keen' and **'Rosie Posie'**, page XIII

NEW Buddleia Humdinger® Series, page 20

NEW Buddleia Monarch® Series, page 22

NEW Coreopsis Sizzle & Spice™ Series, page 28

NEW Leucanthemum 'Spoonful of Sugar' and **'Whoops a Daisy'**, page 57

NEW Monarda Sugar Buzz® Series, page 62

NEW Penstemon 'Blackbeard', page 67

NEW Perovskia 'Rocketman', page 73

NEW Phlox Fashionably Early Series, page 74

NEW Phlox 'Glamour Girl', page 77

NEW Salvia 'Bumbleberry', 'Bumbleblue' and **'Bumblesky'**, page 92

NEW Salvia Fashionista™ Series, page 93

NEW Veronica 'Blue Skywalker', page 107

NEW Veronica 'Perfectly Picasso', 'Royal Rembrandt' and **'Very Van Gogh'**, page 108

WaltersGardens INC

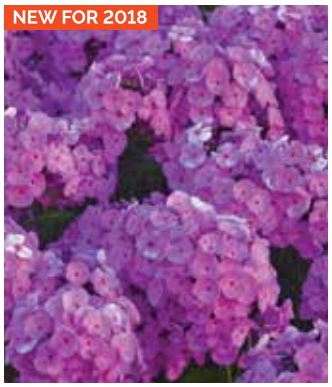
Agastache 'Mango Tango', p. XIII

Buddleia Humdinger 'Magenta Munchkin', p. 20

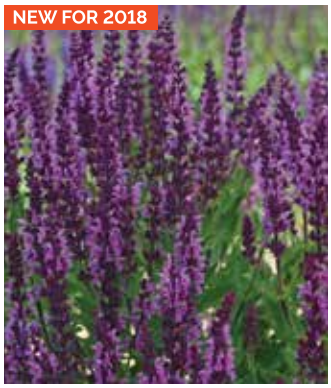
Coreopsis Sizzle & Spice 'Zesty Zinger', p. 28

Leucanthemum 'Whoops a Daisy', p. 57

Monarda Sugar Buzz 'Cherry Pops', p. 62



Phlox 'Fashionably Early Flamingo', p. 74



Salvia 'Bumbleberry', p. 92

Veronica 'Very Van Gogh', p. 108

MUST HAVE PERENNIALS™

TRIED & TRUSTED™

We continue to build on our relationship with Must Have Perennials as the exclusive unrooted cutting supplier of their perennial program. Must Have Perennials is the rename and relaunch of the Blooms of Bressingham program. We offer more than 40 of these high-quality varieties that have been tested for years – in gardens and pot trials – at secure trial sites, leading perennial growers, universities and botanical gardens throughout North America. These comprehensive trials establish reliability and provide valuable information on regional performance to ensure success for you and your customers.

You won't want to miss these best-performing varieties:

NEW Achillea Ritzy Series, page 9

Achillea Seduction Series, page 9

Campanula Blue Waterfall, page 24

Centaurea 'Amethyst in Snow', page 25

Coreopsis 'Crème Brulee', page 26

Euphorbia 'Bonfire', page 35

Leucanthemum Freak!®, page 55

Polemonium Brise D'Anjou, page 81

MUST HAVE Perennials™

Achillea Ritzy Rose, p. 9

Achillea 'Strawberry Seduction', p. 9

Campanula Blue Waterfall, p. 24

Centaurea 'Amethyst in Snow', p. 25

Coreopsis 'Crème Brulee', p. 26

Euphorbia 'Bonfire', p. 35

Leucanthemum Freak!®, p. 55

Polemonium Brise D'Anjou, p. 81

FLORENSIS

GLOBAL PARTNERS

We have had a long-standing partnership with Florensis, a breeder and young plant producer in The Netherlands. Florensis has been providing professional growers with excellent plant propagation material and solutions since 1941. We are pleased to offer more than 25 top-quality varieties in this catalog from our partners at Florensis.

Be sure to check out these notable offerings:

Euphorbia Red Velvet, page 35

Gaillardia Gallo™ Series, page 37

Gaura Gaudi™ Series, page 40

NEW Iberis Monte Bianco, page 49

Leucanthemum Ooh La™ Series, page 55

NEW Phlox Fabulous™ Series, page 79

Salvia Sensation™ Series, page 92

Veronica Venice Blue, page 104

Florensis

Euphorbia Red Velvet, p. 35

Gaillardia Gallo Peach, p. 37

Gaura Gaudi Red, p. 40

Iberis Monte Bianco, p. 49

Leucanthemum Ooh La LaGrande, p. 55

Phlox Fabulous Rose, p. 79

Salvia Sensation Medium Deep Blue, p. 92

Veronica Venice Blue, p. 104

2018 EXCLUSIVES FROM DARWIN PERENNIALS & WALTERS GARDENS

COREOPSIS UPTICK™ SERIES
SALVIA 'ROSE MARVEL'
AGASTACHE 'MANGO TANGO'
AGASTACHE 'PEACHIE KEEN'
AGASTACHE 'ROSIE POSIE'

UPTICK™

DARWIN PERENNIALS

Coreopsis UpTick Cream&Red

BIG, COLORFUL, LONG-LASTING BLOOMS LIGHT UP THE LANDSCAPE FROM SPRING TO FALL.

DARWIN PERENNIALS
Gold&Bronze

AWARD-WINNING UPTICK SERIES EARNS TOP HONORS IN TRIALS ACROSS THE COUNTRY.

DARWIN PERENNIALS

Gold&Bronze

DARWIN PERENNIALS

Yellow&Red

DARWIN PERENNIALS

Cream&Red

DARWIN PERENNIALS

Cream

COREOPSIS (TICKSEED)

Coreopsis hybrida

UPTICK™ SERIES

DARWIN PERENNIALS

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.

Louisiana State University 2016 Field Trials "Top Performer"; Four Oaks "Best New Nursery Stock Plant Introduction"; Winner, Medal Of Excellence Industry's Choice Award 2016; Metrolina Greenhouses Field Trials 2016 "Top Performer"

Cream 'Balupteam' PPAF
Cream&Red 'Balupteamed' PPAF
Gold&Bronze Costa Garden Trials 2016 "Top Performer" 'Baluptgonz' PPAF
Yellow&Red 'Baluptowed' PPAF

"Being day neutral, the UpTick Series can be used to extend the shipping seasons — great for early-Spring sales and Fall shipping. With its large, 3-in. (8-cm), Gaillardia-like yellow and red flowers and flower power, UpTick Gold&Bronze is my favorite in the series. Definitely a 'must-add' to any perennial program."

Paul Pilon
Editor-at-Large, Perennial Pulse
Perennial Production Consultant, Perennial Solutions Consulting

To order, please see back cover.

NEW FOR 2018 DARWIN PERENNIALS

ROSE MARVEL

Salvia 'Rose Marvel'

SALVIA
(SAGE)
Salvia nemorosa

'ROSE MARVEL'

NEW FOR 2018
DARWIN PERENNIALS

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

The largest flowers of any rose-colored *Salvia nemorosa*.

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

Agastache 'Mango Tango'

Agastache 'Peachie Keen'

Agastache 'Rosie Posie'

AGASTACHE (ANISE HYSSOP)

Agastache aurantiaca

'MANGO TANGO'

NEW FOR 2018
WALTERS GARDENS

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: Late Summer
USDA Hardiness Zones: 6a to 9b
PPAF

Selected for its compact habit and vibrant flower color. Overall, the plant has a rich, mango-orange color. Individual flowers have dusky rose calyxes and light peach to dusky orange flowers. A deeper shade of orange than 'Peachie Keen'. Flowers cover the top three-quarters of the plant.

AGASTACHE (ANISE HYSSOP)

Agastache rupestris

'PEACHIE KEEN'

NEW FOR 2018
WALTERS GARDENS

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

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

'ROSIE POSIE'

NEW FOR 2018
WALTERS GARDENS

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

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

2018 VARIETIES FEATURING THE FINEST DARWIN PERENNIALS GENETICS

DIANTHUS MOUNTAIN FROST™ COLLECTION
ECHINACEA SOMBRERO® SERIES
ECHINACEA DOUBLE SCOOP™ SERIES
HEUCHERA CARNIVAL SERIES
GRASSES (MISCANTHUS BANDWIDTH,
MISCANTHUS MY FAIR MAIDEN & PANICUM RUBY RIBBONS)

Dianthus Mountain Frost Pink Carpet

Dianthus Mountain Frost White Twinkle

Dianthus Mountain Frost Pink Twinkle

Dianthus Mountain Frost Rose Bouquet

Dianthus Mountain Frost Silver Strike

Dianthus Mountain Frost Pink PomPom

DIANTHUS
(CHINA PINKS, CHEDDAR PINKS)

Dianthus hybrida

MOUNTAIN FROST™ COLLECTION

NEW FOR 2018
DARWIN PERENNIALS

Height: Varies by Variety
Bloom Months: March to October
USDA Hardiness Zones: 5a to 9a
Available as a liner only

- Requires no vernalization to flower.
- Will rebloom consistently from early Spring until Fall.
- Tolerant of rainy and wet conditions.
- A great landscape border collection.
- Tidy, mounding habit is great for landscape borders.

Liners available from Green Leaf Plants, PA

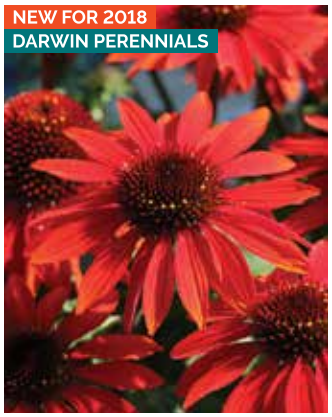
Pink Carpet Height: 6 to 8 in. (15 to 20 cm) A burst of bright pink color and strong, green foliage. 'KonD1010K2' PPAF
Pink PomPom Height: 6 to 8 in. (15 to 20 cm) Double rose-pink flowers. 'KonD1014K3' PPAF
Pink Twinkle Height: 6 to 8 in. (15 to 20 cm) Bright, bicolor pink flowers with silvery-green foliage. 'KonD1060K3' PPAF
Rose Bouquet Height: 10 to 12 in. (25 to 30 cm) Extra-large, deep rose flowers with deep green foliage. 'KonD1044K2' PPAF
Silver Strike Height: 8 to 10 in. (20 to 25 cm) Bright, bicolor pink flowers and silver foliage. 'KonD1039K1' PPAF
White Twinkle Height: 5 to 6 in. (13 to 15 cm) Bright, bicolor white and pink flowers. 'KonD1060K1' PPAF

SOMBRERO®

DARWIN PERENNIALS

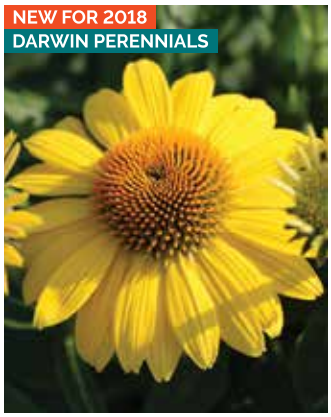
Echinacea Sombrero Flamenco Orange

THE UNIFORM HABIT AND VIBRANT COLORS OF SOMBRERO COMBINE TO CREATE A FIESTA FOR THE LANDSCAPE.



Sangrita

Granada Gold



Lemon Yellow Improved

Flamenco Orange

Adobe Orange

Baja Burgundy

Salsa Red

Sandy Yellow

DARWIN PERENNIALS
Salsa Red

WELL-BRANCHED SOMBRERO LOOKS EXCELLENT IN CONTAINERS AT RETAIL TO COMMAND A PREMIUM PRICE.

Blanco

Hot Coral

ECHINACEA (CONEFLOWER)

Echinacea x hybrida

SOMBRERO® SERIES

DARWIN PERENNIALS

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 9b
Available as tissue culture-raised liners

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

- 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.

Adobe Orange 'Balsomador' PP26,639; US7,982,110
Baja Burgundy 'Balsombabur' PPAF; US7,982,110
Blanco 'Balsomblanc'
Flamenco Orange 'Balsomenco' PP25,523; US7,982,110
NEW **Granada Gold** Rich, golden-yellow color doesn't fade. 'Balsomold' PPAF; US7,982,110
Hot Coral 'Balsomcor' PP23,097; US7,982,110
NEW **Lemon Yellow Improved** Wider, overlapping petals, plus it's more compact with more flowers. 'Balsomemyim' PPAF; US7,982,110
Salsa Red 'Balsomsed' PP23,105; US7,982,110
Sandy Yellow 'Balsomselo' PP23,104; US7,982,110
NEW **Sangrita** A vibrant scarlet-red with burgundy-red flower stems. 'Balsomanita' PPAF; US7,982,110

DOUBLE SCOOP™

DARWIN PERENNIALS

Echinacea Double Scoop Bubble Gum

DOUBLE THE EXCITEMENT! HUGE DOUBLE BLOOMS AND BOLD, RICH COLORS HIGHLIGHT THIS SWEET GARDEN TREAT.

DARWIN PERENNIALS

Mandarin

ECHINACEA DOUBLE SCOOP SHOWS MORE FLOWERS AND SUPERIOR BRANCHING AT RETAIL.

DARWIN PERENNIALS

Raspberry

DARWIN PERENNIALS

Mandarin

DARWIN PERENNIALS

Lemon Cream

DARWIN PERENNIALS

Cranberry

DARWIN PERENNIALS

Orangeberry

DARWIN PERENNIALS

Bubble Gum

ECHINACEA (CONEFLOWER)

Echinacea x hybrida

DOUBLE SCOOP™ SERIES

DARWIN PERENNIALS

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b
Available as tissue culture-raised liners

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.

Bubble Gum 'Balscblum' PP23,103; US7,982,110
Cranberry 'Balscanery' PP24,769; US7,982,110
Lemon Cream 'Balsclemc' PP27,858; US7,982,110
Mandarin 'Balscandin' PP26,640; US7,982,110
Orangeberry 'Balscoberr' PP23,145; US7,982,110
Raspberry 'Balsceras' PP23,117; US7,982,110

To order, please see back cover.

CARNIVAL

MIXED CONTAINER IDEA **DARWIN PERENNIALS**

Heuchera 'Carnival Watermelon'
Salvia 'Radio Red'
Salvia Lyrical™ White

JOIN THE PARTY! THESE OUTSTANDING HEUCHERA OFFER A CARNIVAL OF COLOR AT A PRICE EVERYONE CAN ENJOY.

'Carnival Black Olive'

'Carnival Candy Apple'

'Carnival Cocomint'

'Carnival Coffee Bean'

'Carnival Fall Festival'

'Carnival Limeade'

'Carnival Peach Parfait'

'Carnival Plum Crazy'

'Carnival Rose Granita'

'Carnival Silver Streak'

'Carnival Watermelon'

HEUCHERA (CORAL BELLS)

Heuchera x hybrida

CARNIVAL SERIES

DARWIN PERENNIALS

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 9b
Available as tissue culture-raised liners; contact your rep for more details.

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 one-gallon programs and shade mixed containers.
- Mounding habits are also brilliant in shady landscapes.
- Carnival tissue culture-raised liners finish more quickly and uniformly.

'Carnival Black Olive'
'Carnival Candy Apple'
'Carnival Cocomint' PP24,927
'Carnival Coffee Bean' PP24,943
'Carnival Fall Festival'
'Carnival Limeade' PP24,899
'Carnival Peach Parfait' PP24,928
'Carnival Plum Crazy' PP24,771
'Carnival Rose Granita' Colorado State University Flower Trial 2016 "Top Performer Perennials" Winner
'Carnival Silver Streak' PP24,770
'Carnival Watermelon' PP24,803

Miscanthus Bandwidth

Miscanthus My Fair Maiden

Panicum Ruby Ribbons

MISCANTHUS (JAPANESE SILVER GRASS)

Miscanthus sinensis

BANDWIDTH

NEW FOR 2018
DARWIN PERENNIALS

Height: 30 to 36 in. (76 to 91 cm)
Bloom Months: October to November
USDA Hardiness Zones: 5a to 9b
'NCMS2B' PPAF

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

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

Liners available from Emerald Coast Growers, FL

"The new Miscanthus Bandwidth is infertile, so it won't reseed for the grower or the gardener, and its full, compact size is ideal for any yard or outdoor garden room. We placed a container of Bandwidth on a company patio this Summer, and it was a big hit here at Emerald Coast Growers. We love the bright green leaves with gold highlights. I want one of these on my balcony at home!"

Pamela Straub
Key Accounts and Customer Service Manager, Emerald Coast Growers, FL

MISCANTHUS (MAIDEN GRASS)

Miscanthus sinensis

MY FAIR MAIDEN

DARWIN PERENNIALS

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

A non-invasive, infertile hybrid Maiden Grass.

• Ideal for dramatic backgrounds in the landscape.

Liners available from Emerald Coast Growers, FL

PANICUM (SWITCH GRASS)

Panicum virgatum

RUBY RIBBONS

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: September to October
USDA Hardiness Zones: 4a to 9a
'RR1' PP17,994

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.

Liners available from Emerald Coast Growers, FL, and North Creek Nurseries, PA

A-Z LISTING FROM ACHILLEA TO WALDSTEINIA, MORE THAN 600 UNROOTED, IN-DEMAND VARIETIES TO EXPAND YOUR PERENNIAL PROGRAM.

MOON DUST

Achillea Moon Dust

ACHILLEA
(YARROW)
Achillea hybrida

MOON DUST

DARWIN PERENNIALS

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 'Coronation Gold'

Achillea 'Paprika'

Achillea 'Moonshine'

Achillea 'Strawberry Seduction'

Achillea 'Saucy Seduction'

Achillea 'Peachy Seduction'

Achillea 'Sunny Seduction'

NEW FOR 2018

Achillea Ritzy 'Rose'

NEW FOR 2018

Achillea Ritzy 'Ruby'

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, excellent for drying.

'MOONSHINE'

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 8b

- Bright yellow flowers over silvery foliage.
- Wide heads come in early Summer and are slow to fade.
- If cut back, more leaves – and sometimes flowers – appear later.

ACHILLEA (YARROW)

Achillea millefolium

'PAPRIKA'

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 9b

Low, spreading plants have red blooms with yellow centers; gray-green, fernlike foliage.

RITZY SERIES

NEW FOR 2018
MUST HAVE PERENNIALS™

Height: 10 to 14 in. (25 to 36 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 4a to 8b

Compact, long-flowering Achillea.

'Rose' PPAF
'Ruby' PPAF

SEDUCTION SERIES

MUST HAVE PERENNIALS™

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.

Peachy 'Peachy Seduction' PP22,262
Saucy 'Saucy Seduction' PP20,782
Strawberry 'Strawberry Seduction' PP18,401
Sunny 'Sunny Seduction' PP20,808

NEW VINTAGE™

DARWIN PERENNIALS

Achillea New Vintage Violet

LONG-LASTING COLOR LIGHTS UP SPRING CONTAINERS.

Achillea New Vintage Red

Achillea New Vintage Rose

Achillea New Vintage White

Achillea New Vintage Violet

Achillea Tutti Frutti 'Apricot Delight'

Achillea Tutti Frutti 'Pink Grapefruit'

Achillea Tutti Frutti 'Pomegranate'

Achillea Tutti Frutti 'Wonderful Wampee'

Achillea Little Moonshine

ACHILLEA (YARROW)

Achillea millefolium

NEW VINTAGE™ SERIES

DARWIN PERENNIALS

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: June to July
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 one-gallon programs.

Red 'Balvinred' PP25,618
Rose 'Balvinrose' PP25,712
Violet A two-time winner with an excellent overall average score for the second season, from the Franklin Park Conservatory, Columbus, Ohio. 'Balvinolet' PP25,750
White 'Balvinwite' PP25,711

LITTLE MOONSHINE

MUST HAVE PERENNIALS™

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

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

TUTTI FRUTTI SERIES

MUST HAVE PERENNIALS™

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
'Wonderful Wampee' PP18,760

Achillea Song Siren 'Angie'

Achillea Song Siren 'Little Susie'

Achillea Song Siren 'Layla'

ACHILLEA (YARROW)

Achillea millefolium

SONG SIREN™ SERIES

DARWIN PERENNIALS

Height: 20 to 22 in. (51 to 56 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b

- Colors as inspired as the songs they're named for!
- Rich color selection in a garden-height Achillea.
- Color holds up well in the garden.
- Ideal for one or two-gallon Summer programs.

'Angie'
'Laura'
'Layla'
'Little Susie'
'Pretty Woman'

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 wooly foliage.

AEGOPODIUM (SNOW-ON-THE-MOUNTAIN, GOUTWEED)

Aegopodium podagraria

'VARIEGATUM'

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: Summer
USDA Hardiness Zones: 4a to 9b

Green and white variegated groundcover with lacy, creamy white flowers.

Achillea Song Siren 'Pretty Woman'

Achillea Song Siren 'Laura'

Achillea 'King Edward'

Aegopodium 'Variegatum'

DARWIN PERENNIALS

Agastache 'Little Adder'

Agastache 'Blue Fortune'

Agastache 'Purple Haze'

AGASTACHE (MEXICAN HYSSOP)

Agastache hybrida

'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.

AGASTACHE (ANISE HYSSOP)

Agastache rugosa

'LITTLE ADDER'

DARWIN PERENNIALS

Height: 15 to 18 in. (38 to 46 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 9b
PP26,514

- 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.
- Three times the blooms of 'Black Adder' for three times the flower power.
- Great show at retail and in the garden for better sell-through and repeat sales.

Ajuga 'Burgundy Glow'

Ajuga 'Catlin's Giant'

Ajuga 'Metallica Crispa'

Ajuga 'Black Scallop'

Ajuga 'Bronze Beauty'

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

'BLACK SCALLOP'

PLANTHAVEN, INC.

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.

'PINK LIGHTNING'

SUNNY BORDER NURSERY

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b
PP22,255

Green and white variegated leaves with soft pink flower spikes.

MIXED CONTAINER IDEA

Perennial Mixed Container suggestion: Touch Of Class Polemonium, Swirling Fantasy Heuchera, Chocolate Chip Ajuga

Ajuga 'Pink Lightning'

Ajuga 'Silver Queen'

Ajuga 'Dixie Chip'

Photo courtesy of Skagit Gardens

Ajuga Chocolate Chip

Ajuga 'Mint Chip'

'SILVER QUEEN'

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

Blue flower spikes over white and green variegated leaves.

AJUGA (BUGLEWEED)

Ajuga x tenorii

CHOCOLATE CHIP

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

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

'DIXIE CHIP'

ITSAUL PLANTS, INC.

Height: 3 in. (8 cm)
Bloom Months: May to June
USDA Hardiness Zones: 3a to 9b
PP20,890

Unique, multi-colored foliage with brilliant blue flowers; spreading habit.

'MINT CHIP'

ITSAUL PLANTS, INC.

Height: 3 in. (8 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 9b
PP20,374

Narrow, deep green leaves are covered with brilliant blue flowers in Spring.

GOLDEN SPRING

Alyssum 'Golden Spring'

ALYSSUM

Alyssum wulfenianum

'GOLDEN SPRING'

DARWIN PERENNIALS

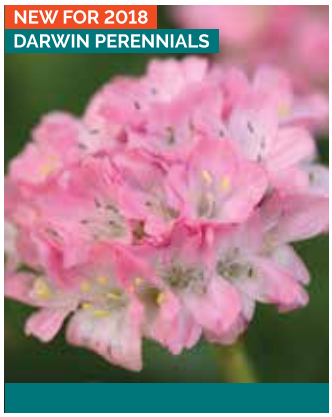
Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 9b
PP25,710

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.

Amsonia 'Blue Ice'

Armeria 'Nifty Thrifty'



Armeria Dreameria 'Daydream'

Artemisia 'Powis Castle'

Armeria 'Rubrifolia'

Armeria Dreameria 'Sweet Dreams'

Armeria Dreameria 'Sweet Dreams'

Artemisia French Tarragon

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.

ARMERIA
(THRIFT, SEA PINKS)

Armeria maritima

'NIFTY THRIFTY'

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: May to July
USDA Hardiness Zones: 4a to 8b

Compact green foliage with cream edges, rose-red globular flowers.

'RUBRIFOLIA'

Height: 4 in. (10 cm)
Bloom Months: May to July
USDA Hardiness Zones: 4a to 8b

Pink globe flowers over thin green foliage that turns red-purple in Fall.

ARMERIA
(THRIFT, SEA PINKS)

Armeria pseudarmeria

DREAMERIA™ SERIES

NEW FOR 2018
DARWIN PERENNIALS

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: March to October
USDA Hardiness Zones: 6a 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.
- Tidy habit is perfect for patios and gardens.

'Daydream' Shows bright pink flowers from Spring until Fall. PPAF
'Sweet Dreams' Attractive lavender-mauve flowers. PPAF

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 dracunculus sativa

FRENCH TARRAGON

Height: 36 in. (91 cm)
Bloom Months: Non-flowering
USDA Hardiness Zones: 3a to 7b

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

Artemisia 'Silver Mound'

Aster 'Purple Dome'

Aster 'Moench'

Aster 'Professor Anton Kippenburg'

Aster 'Wood's Pink'

Aster 'Wood's Purple'

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.

ASTER
Aster novae-angliae

'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 novi-belgii

'PROFESSOR ANTON KIPPENBURG'

Height: 15 in. (38 cm)
Bloom Months: Late Summer to Fall
USDA Hardiness Zones: 4a to 8b

Lavender-blue flowers with gold centers.

'WOOD'S PINK'

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: Late Summer to Fall
USDA Hardiness Zones: 4a to 8b

Pale pink flowers with light yellow centers.

'WOOD'S PURPLE'

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: Late Summer to Fall
USDA Hardiness Zones: 4a to 8b

Purple-blue flowers with light yellow centers.

ASTER
Aster x frikartii

'MOENCH'

Height: 24 in. (61 cm)
Bloom Months: Late Summer to Fall
USDA Hardiness Zones: 4a to 8b

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

Artemisia 'Silver Brocade'

Buddleia Buzz Lavender

NEW FOR 2018

Buddleia Buzz 'Soft Pink'

Buddleia Buzz Sky Blue

NEW FOR 2018

Buddleia Buzz 'Hot Raspberry'

Buddleia Berry Fizz

Buddleia Buzz Ivory

Buddleia Buzz Magenta

Buddleia Buzz Velvet

Buddleia Buzz Purple

Buddleia Buzz Midnight

Buddleia 'Black Knight'

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.

BUZZ™ SERIES

CULTIVARIS NORTH AMERICA, LLC

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.

NEW **'Hot Raspberry'** PPAF
Ivory 'TOBUD072' PP23,464
Lavender 'TOBUDVIOLE' PP22,063
Magenta 'TOBUD0802' PP23,463
Midnight 'TOBUDMIDNI' PPAF
Purple 'TOBUDPIPUR' PP22,064
Sky Blue 'TOBUD0615' PP23,461
NEW **'Soft Pink'** PPAF
Velvet 'TOBUD0703' PP23,462

BERRY FIZZ

STAR ROSES AND PLANTS

Height: 48 to 60 in. (122 to 152 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 10b
'Bosbrizz'

Drought and heat-tolerant Buddleia is the first choice for low-water gardens. Offers a beautiful full habit, long blooming and spectacular color.

Buddleia Humdinger 'Magenta Munchkin'

Buddleia Humdinger 'Little Angel'

Buddleia Humdinger 'Little Nugget'

Buddleia Humdinger 'Lavender Cupcake'

BUDDLEIA
(BUTTERFLY BUSH)
Buddleia davidii

HUMDINGER® SERIES

NEW FOR 2018
WALTERS GARDENS

Height: 30 to 48 in. (76 to 122 cm)
Bloom Months: Late Summer
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 mid-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. PPAF
'Little Angel' Very long 10 to 12-in. (25 to 30-cm) pure white flower panicles. PPAF
'Little Nugget' Brilliant gold foliage and 5 to 6-in. (13 to 15-cm) magenta purple-to-blue-purple flowers. PPAF
'Magenta Munchkin' Bold, 7 to 8-in. (18 to 20-cm) fuchsia red flowers have lighter, eye-type centers. PPAF
'Orchid Annie' Soft, 8-in. (20-cm) orchid purple flower panicles. PPAF

'WISTERIA LANE'

NEW FOR 2018
CULTIVARIS NORTH AMERICA, LLC

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: Summer to Fall
USDA Hardiness Zones: 5a to 9b
PP27,833

Unique weeping habit looks outstanding in large containers.

BUDDLEIA
(NECTAR BUSH)
Buddleia hybrida

BLAZE PINK

STAR ROSES AND PLANTS

Height: 62 to 74 in. (157 to 188 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 10a
'Bosblink' PP25,731

- The first really pink Buddleia!
- Smaller flowers accented by silvery foliage.
- Long flowering period.
- Drought and heat tolerant.

TRUE BLUE

STAR ROSES AND PLANTS

Height: 61 to 73 in. (155 to 185 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 10b
'Bostulu' PP25,708

- The truest blue flowers with silvery gray foliage.
- Strong stems and upright habit.
- Reblooming, with big flowers.
- Low seed set.

Buddleia Humdinger 'Orchid Annie'

Buddleia Blaze Pink

Buddleia True Blue

Buddleia 'Wisteria Lane'

CRANRAZZ

Buddleia CranRazz

CRANRAZZ

STAR ROSES AND PLANTS

Height: 60 to 72 in. (152 to 183 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 10b
'Boscranz' PP25,730

A great pollinator plant – bees and hummingbirds love the deep cranberry-color flowers!

- Extremely free-flowering.
- Blooms from Spring until mid-Fall.
- Panicles grow an amazing 8 in. (20 cm) long.

Buddleia Monarch 'Blue Knight'

Buddleia Monarch 'Prince Charming'

Buddleia Monarch 'Crown Jewels'

BUDDLEIA
(BUTTERFLY BUSH)

Buddleia davidii

MONARCH® SERIES

NEW FOR 2018
WALTERS GARDENS

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

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

'Blue Knight' Outward-facing flower panicles open light lavender purple and deepen to blue-purple with age, over minty green leaves. PPAF
'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 blossoms. PP27,832
'Prince Charming' Bright cerise pink flower spikes. PPAF
'Queen of Hearts' Vibrant magenta red blossoms. PPAF

Buddleia Monarch 'Dark Dynasty'

Buddleia Monarch 'Glass Slippers'

Buddleia Monarch 'Queen of Hearts'

Calamintha 'Variegata'

Campanula 'Dickson's Gold'

Campanula Genti Blue

Campanula 'Birch Hybrid'

Campanula 'Miss Melanie'

Campanula Genti Twisterbell

Campanula Genti White

CALAMINTHA (CALAMINT)

Calamintha grandiflora

'VARIEGATA'

Height: 18 in. (46 cm)
Bloom Months: May to July
USDA Hardiness Zones: 6a to 11

Pink flowers on fragrant, variegated white and green foliage.

CAMPANULA (BELLFLOWER)

Campanula garganica

'DICKSON'S GOLD'

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

Blue star-shaped flowers on golden foliage.

CAMPANULA (BELLFLOWER)

Campanula glomerata

GENTI SERIES

RENE VAN GAALEN, B.V.

Height: 14 to 19 in. (36 to 48 cm)
Bloom Months: May to July
USDA Hardiness Zones: 3a to 8b

- Beautiful, long-flowering Campanula.
- Holds its shape well in the garden.
- Very Winter-hardy.

Blue 'Allgentibl' PP24,687
Twisterbell Unique purple and white bicolored flower. 'Allgentitwist' PP25,403
White 'Allgentiw' PP24,686

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.

'MISS MELANIE'

Height: 8 in. (20 cm)
Bloom Months: May to July
USDA Hardiness Zones: 5a to 7b

Lavender-blue flowers on a compact plant.

Campanula 'Blue Rivulet'

Campanula Blue Waterfall

Campanula Iridescent Bells

DARWIN PERENNIALS

Caryopteris Grand Bleu

CAMPANULA (BELLFLOWER)

Campanula poscharskyana

'BLUE RIVULET'

MUST HAVE PERENNIALS™

Height: 6 in. (15 cm)
Bloom Months: May to July
USDA Hardiness Zones: 4a to 9b
PP20,082

Vigorous grower features a spreading habit and prolific star-shaped, lavender-blue flowers with a white eye.

BLUE WATERFALL

MUST HAVE PERENNIALS™

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.

CAMPANULA (BELLFLOWER)

Campanula punctata

'CHERRY BELLS'

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: May to July
USDA Hardiness Zones: 4a to 8b

Cherry-red bells with creamy spotted interiors and spreading foliage.

CAMPANULA (BELLFLOWER)

Campanula x hybrida

IRIDESCENT BELLS

BURPEE

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: April to September
USDA Hardiness Zones: 5a to 8b
'Iribella' PPAF

- Blooms a long time for better sell-through and excellent garden show.
- Eggplant-colored buds and light lavender flowers that bloom all Summer long.
- Non-seeding variety won't become invasive in gardens and landscapes.
- Tidy habit for patio containers, smaller beds and mid-borders.

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.

GRAND BLEU®

DARWIN PERENNIALS

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 till first frost.

Campanula 'Cherry Bells'

Caryopteris 'Dark Knight'

Centaurea 'Amethyst Dream'

Centaurea 'Gold Bullion'

Ceratostigma plumbaginoides

Centaurea 'Lavender Mist'

Centaurea 'Amethyst in Snow'

Chrysogonum 'Pierre'

Coreopsis 'Nana'

© The John Henry Company

Coreopsis Solanna 'Golden Sphere'

CENTAUREA (CORNFLOWER)

Centaurea montana

'AMETHYST DREAM'

MUST HAVE PERENNIALS™

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.

'AMETHYST IN SNOW'

MUST HAVE PERENNIALS™

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.

'GOLD BULLION'

MUST HAVE PERENNIALS™

Height: 12 to 15 in. (30 to 38 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 9b
PP10,865

High-wattage chartreuse leaves contrast with electric blue blooms in late Spring, early Summer.

'LAVENDER MIST'

BURPEE

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

- Better branching, shorter habit and lots more flower power!
- 50% more flowers on a compact habit for plenty of retail appeal.
- Uniform flowering when bulked and overwintered.
- Longer blooming time than other cultivars.

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: Spring
USDA Hardiness Zones: 5a to 9b

Yellow daisy flowers on soft green foliage clumps.

COREOPSIS (TICKWEED)

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 (TICKWEED)

Coreopsis hybrida

SOLANNA™ 'GOLDEN SPHERE'

DANZIGER "DAN" FLOWER FARMS

Height: 8 in. (20 cm)
Bloom Months: May to September
USDA Hardiness Zones: 5a to 9b
PPAF

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

DARWIN PERENNIALS

Coreopsis Créme Caramel

Coreopsis 'Limerock Ruby'

Coreopsis 'Limerock Dream'

Coreopsis 'Limerock Passion'

Coreopsis 'Crème Brulee'

COREOPSIS (TICKSEED)

Coreopsis grandiflora

SUNNY DAY

DARWIN PERENNIALS

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 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.

'LIMEROCK DREAM'

MUST HAVE PERENNIALS™

Height: 16 in. (41 cm)
Bloom Months: June to July
USDA Hardiness Zones: 8a to 10b
PP16,923

Tender perennial has long-blooming daisy flowers that start apricot-pink and mature to hot orange.

'LIMEROCK PASSION'

MUST HAVE PERENNIALS™

Height: 16 in. (41 cm)
Bloom Months: June to July
USDA Hardiness Zones: 8a to 10b
PP15,979

Tender perennial has graceful habit and lavender-pink daisy flowers that mature to lighter pink tones.

'LIMEROCK RUBY'

MUST HAVE PERENNIALS™

Height: 16 in. (41 cm)
Bloom Months: June to July
USDA Hardiness Zones: 8a to 10b
PP15,455

Tender perennial boasts bright ruby-red daisy flowers – a rarity among garden plants!

COREOPSIS (TICKSEED)

Coreopsis verticillata

'CRÈME BRULEE'

MUST HAVE PERENNIALS™

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.

CRÈME CARAMEL

DARWIN PERENNIALS

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

Coreopsis Sunny Day

© Master Tag

Coreopsis 'American Dream'

DARWIN PERENNIALS

Coreopsis Little Bird

Coreopsis 'Sweet Marmalade'

DARWIN PERENNIALS

Coreopsis 'Sylvester'

Coreopsis 'Moonbeam'

Coreopsis Cruizin' 'Main Street'

Coreopsis Cruizin' 'Route 66'

Coreopsis 'Zagreb'

'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.

'SWEET MARMALADE'

MUST HAVE PERENNIALS™

Height: 12 in. (30 cm)
Bloom Months: June to July
USDA Hardiness Zones: 5a to 9b
PP20,702

Flowers open deep orange and mellow to soft apricot-yellow; can become bright yellow in very high temperatures.

'SYLVESTER'

DARWIN PERENNIALS

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

- 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.
- Stays in place in the landscape.

'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 hybrida

CRUIZIN' SERIES

ITSAUL PLANTS, INC.

Height: Varies by Variety
Bloom Months: June to July
USDA Hardiness Zones: 5a to 9b

Brilliant flowers and dark green, threadleaf foliage.

'Main Street' Height: 18 in. (46 cm) PP24,562
'Route 66' Height: 24 to 27 in. (61 to 69 cm) Yellow flowers with a striking burgundy ring around the crown that bleeds to petal tips as the season progresses. PP20,609

LITTLE BIRD

DARWIN PERENNIALS

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 9b
'Novacorbir' PP26,108

- Significant advancement in dwarf and rounded habit makes this a great container plant.
- True dwarf with rounded habit.
- Yellow flowers and dense, narrow foliage.
- Makes a great container plant.
- Stays in place in the landscape.

Coreopsis Sizzle & Spice 'Zesty Zinger'

Coreopsis Sizzle & Spice 'Hot Paprika'

Coreopsis Sizzle & Spice 'Curry Up'

COREOPSIS (TICKWEED)

Coreopsis verticillata

SIZZLE & SPICE™ SERIES

NEW FOR 2018
WALTERS GARDENS

Height: 15 to 18 in. (38 to 46 cm)
Bloom Months: Summer
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 cover the gray-green foliage. PPAF
'Curry Up' Golden yellow flowers with clear, dark red eyes over bright green foliage. PPAF
'Hot Paprika' Rich, deep red flowers and bright green foliage. PPAF
'Zesty Zinger' Light ivory flowers have pronounced dark magenta centers that cover the bright green foliage. PPAF

COREOPSIS (TICKWEED)

Coreopsis x hybrida

'JETHRO TULL'

ITSAUL PLANTS, INC.

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.

Coreopsis Sizzle & Spice 'Crazy Cayenne'

Coreopsis 'Jethro Tull'

Coreopsis 'Tequila Sunrise'

Delosperma 'Alan's Apricot'

Delosperma Red Mountain Flame

Delosperma Fire Spinner

Delosperma cooperi

© The John Henry Company

Delosperma Table Mountain

Delosperma Mesa Verde

Delosperma Lavender Ice

DELOSPERMA (ICE PLANT)

Delosperma congestum

Height: 2 in. (5 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 10b

(NOT SHOWN) Cheery yellow flowers on tight, succulent foliage.

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 hybrida

FIRE SPINNER®

PLANT SELECT

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.

DELOSPERMA (ICE PLANT)

Delosperma

'ALAN'S APRICOT'

PLANT SELECT

Height: 2 to 3 in. (5 to 8 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 10b

Hardy, drought-tolerant groundcover in shades of apricot with yellow highlights is a Plant Select® award winner.

LAVENDER ICE

PLANT SELECT

Height: 2 to 3 in. (5 to 8 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b
'Psfave'

Frosted lavender flowers and strong green succulent foliage.

MESA VERDE®

PLANT SELECT

Height: 2 in. (5 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b
'Kelaidis' PP13,876

Vigorous, compact plants have iridescent salmon-pink flowers and succulent gray-green foliage.

RED MOUNTAIN FLAME®

PLANT SELECT

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

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

TABLE MOUNTAIN®

PLANT SELECT

Height: 2 in. (5 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b
'John Proffitt'

Shimmering fuchsia blooms with white centers.

Delosperma 'Jewel of Desert Grenade'

Delosperma 'Jewel of Desert Peridot'

Delosperma 'Jewel of Desert Ruby'

Delosperma 'Jewel of Desert Garnet'

Delosperma 'Jewel of Desert Topaz'

Delosperma 'Jewel of Desert Opal'

Delosperma 'Jewel of Desert Moon Stone'

DELOSPERMA (ICE PLANT)

Delosperma hybrida

JEWEL OF DESERT SERIES

CONCEPT PLANTS, B.V.

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 Amethyst' PPAF
'Jewel of Desert Garnet' PP23,471
'Jewel of Desert Grenade' PPAF
'Jewel of Desert Moon Stone' PP23,491
'Jewel of Desert Opal' PPAF
'Jewel of Desert Peridot' PP23,566
'Jewel of Desert Rosequartz' PP23,452
'Jewel of Desert Ruby' PP23,453
'Jewel of Desert Topaz' PP23,492

DELOSPERMA (ICE PLANT)

Delosperma floribundum

STARBURST®

PLANT SELECT

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

Orchid-pink blooms accented with white centers.

Delosperma 'Jewel of Desert Amethyst'

Delosperma 'Jewel of Desert Rosequartz'

Delosperma Starburst

Digitalis Foxlight Plum Gold

Digitalis Foxlight Rose Ivory

Digitalis Foxlight Ruby Glow

Delosperma Wheels of Wonder
Hot Pink Wonder

Delosperma Wheels of Wonder
Orange Wonder

Delosperma Wheels of Wonder
Golden Wonder

Delosperma Wheels of Wonder
White Wonder

DELOSPERMA (ICE PLANT)

Delosperma hybrida

WHEELS OF WONDER™ SERIES

CONCEPT PLANTS, B.V.

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

- Perfect for rock gardens.
- Drought tolerant.
- Large flowers.

Fire Wonder 'WOWDAY2' PP25,645
Golden Wonder 'WOWD20111' PP25,684
Hot Pink Wonder 'WOWDRY1' PPAF
Orange Wonder 'WOWDOY3' PP25,600
Violet Wonder 'WOWDRW5' PP25,572
White Wonder 'WOWDW7' PP25,599

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

(NOT SHOWN) Spreading, succulent leaves and deep yellow flowers.

Delosperma Wheels of Wonder
Violet Wonder

Delosperma Wheels of Wonder
Fire Wonder

DIGITALIS (FOXGLOVE)

Digitalis hybrida

FOXLIGHT™ SERIES

DARWIN PERENNIALS

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: April to September; Natural season flowering
USDA Hardiness Zones: 7a to 10b

- Three bold novelty colors boost retail appeal and drive impulse sales.
- Lower input costs provide greater profit margin at wholesale and retail.
- First-year-flowering perennial 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.

Plantarium 2016 Silver Medal Winner

Plum Gold 'Takfoplgo' PP26,586
Rose Ivory 'Takforoiv' PP26,554
Ruby Glow 'Takforugl' PP25,640

CHEERS™

NEW FOR 2018 DARWIN PERENNIALS

Erysimum Cheers Sun-kissed Amethyst

ABUNDANT BLOOMS, RICH COLORS AND GREAT GARDEN PERFORMANCE YOU CAN SHOUT ABOUT!

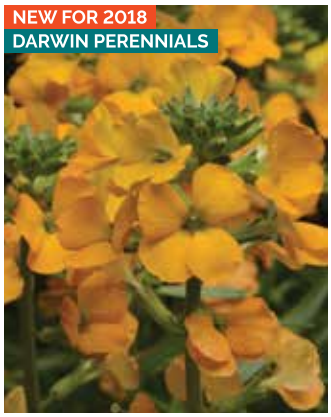
DARWIN PERENNIALS

Erysimum Cheers Mighty Mauve

DARWIN PERENNIALS

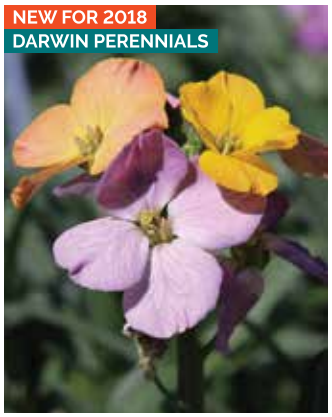
Erysimum Cheers Lemon Yellow

NEW FOR 2018
DARWIN PERENNIALS



Erysimum Cheers Florange

NEW FOR 2018
DARWIN PERENNIALS



Erysimum Cheers Sun-kissed Amethyst

NEW FOR 2018
DARWIN PERENNIALS

Erysimum Cheers Florange

© The John Henry Company

Erysimum 'Bowles Mauve'

ERYSIMUM (WALLFLOWER)

Erysimum linifolium

CHEERS™ SERIES

DARWIN PERENNIALS

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 Summer.

NEW **Florange** Rich orange color. 'Balcherflora' PPAF
Lemon Yellow 'Balcherlemy' PP26,623
Mighty Mauve 'Balchermauv' PP26,604
NEW **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' PPAF

'BOWLES MAUVE'

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: April to May
USDA Hardiness Zones: 6a to 8b

Narrow, gray-green leaves and large flower heads with bright lavender blooms.

NEW FOR 2018 DARWIN PERENNIALS

BOWLES ME AWAY

Erysimum 'Bowles Me Away'

ERYSIMUM
(WALLFLOWER)
Erysimum linifolium

'BOWLES ME AWAY'

NEW FOR 2018
DARWIN PERENNIALS

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: March to September
USDA Hardiness Zones: 6a to 8b
PPAF

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.

DARWIN PERENNIALS

Eupatorium 'Little Joe'

Eupatorium 'Gateway'

Eupatorium 'Chocolate'

© The John Henry Company

Euphorbia Walberton's Ruby Glow

Euphorbia Blackbird

Euphorbia Red Velvet

Euphorbia 'Bonfire'

Euphorbia 'Blue Haze'

EUPATORIUM (JOE-PYE WEED)

Eupatorium dubium

'LITTLE JOE'

DARWIN PERENNIALS

Height: 36 to 48 in. (91 to 122 cm)
Bloom Months: August 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 head in Fall.
- Tolerates seasonally wet to rather dry sites.

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.

EUPATORIUM (JOE-PYE WEED)

Eupatorium rugosum

'CHOCOLATE'

Height: 48 to 60 in. (122 to 152 cm)
Bloom Months: August to September
USDA Hardiness Zones: 4a to 8b

Upright perennial with dark bronze-purple, lanceolate foliage and creamy white flowers.

EUPHORBIA (SPURGE)

Euphorbia amygdaloides

RED VELVET

FLORENSIS, B.V.

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: March to May
USDA Hardiness Zones: 6a to 10b
'Floreupred' PP27,387

- Strong red color sparks Summer and Fall programs and sales.
- Striking foliage survives Summer heat and intensifies into Fall.
- Perfect for container gardens and landscapes.
- Thrives in full sun and well-drained soils.

WALBERTON'S® RUBY GLOW

PLANTHAVEN, INC.

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: March to May
USDA Hardiness Zones: 6a to 11
'Waleuphglo' PP22,200

Eye-catching, ruby foliage on compact plants with spreading habit.

EUPHORBIA (SPURGE)

Euphorbia characias x martinii

BLACKBIRD

PLANTHAVEN, INC.

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: Spring to Summer
USDA Hardiness Zones: 6a to 9b
'Nothowlee' PP17,178

- Chartreuse flowers contrast with dark purple foliage.
- Foliage is dark green when planted in shadier areas.
- Compact, bushy habit.

EUPHORBIA (SPURGE)

Euphorbia polychroma

'BONFIRE'

MUST HAVE PERENNIALS™

Height: 10 in. (25 cm)
Bloom Months: Spring to Summer
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)

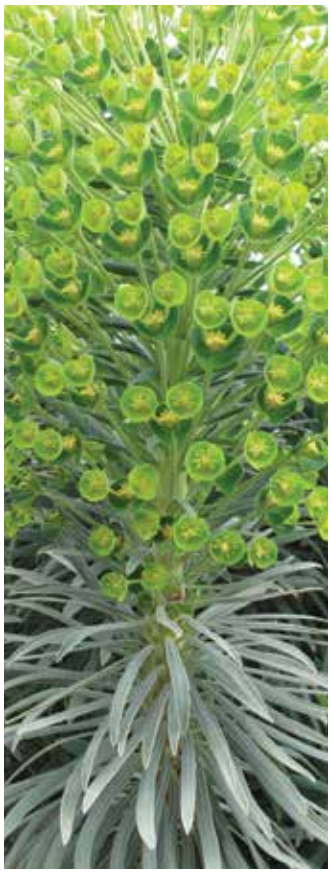
Euphorbia sequieriana x nicaeensis

'BLUE HAZE'

PLANTHAVEN, INC.

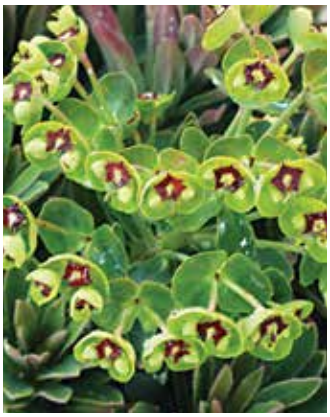
Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: April to May
USDA Hardiness Zones: 7a to 9b
PP14,868

Tender perennial's blue foliage, blue stems and yellow flowers make a stunning display.



Euphorbia 'Shorty'

Euphorbia 'Ascot Rainbow'



Euphorbia Tiny Tim

Gaillardia 'Celebration'

EUPHORBIA
(SPURGE)
Euphorbia wulfenii

'SHORTY'

ITSAUL PLANTS, INC.

Height: 24 to 28 in. (61 to 71 cm)
Bloom Months: April to May
USDA Hardiness Zones: 7a to 9b
PP19,808

Tender perennial has blue-green foliage and large yellow blooms.

EUPHORBIA
(SPURGE)
Euphorbia x martinii

'ASCOT RAINBOW'

PLANTHAVEN, INC.

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.

TINY TIM

PLANTHAVEN, INC.

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: April to May
USDA Hardiness Zones: 6a to 9b
'Waleutiny' PP16,930

Fleshy, medium green leaves topped with spikes of chartreuse flowers with red eyes.

GAILLARDIA
(BLANKET FLOWER)
Gaillardia x grandiflora

'FANFARE BLAZE'

PLANTHAVEN, INC.

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: June to frost
USDA Hardiness Zones: 5a to 9b
PP23,494

Unsurpassed performance in containers, beds and borders, with unique pinwheel blooms in warm, burnt-orange tones.

'FANFARE CITRONELLA'

PLANTHAVEN, INC.

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 9b
PP26,943

Floriferous variety with sunny, bright yellow pinwheel flowers is great in containers, beds and borders.

GAILLARDIA
(BLANKET FLOWER)
Gaillardia x hybrida

'CELEBRATION'

PLANTHAVEN, INC.

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

Long-blooming, colorfast variety has elegant red flowers on strong stems.

Gaillardia 'Fanfare Blaze'

Gaillardia 'Fanfare Citronella'

Gaillardia Gallo Peach

Gaillardia Gallo Red

Gaillardia Gallo Bright Red

Gaillardia Gallo Yellow

Gaillardia Gallo Dark Bicolor

GAILLARDIA (BLANKET FLOWER)

Gaillardia aristata

GALLO™ SERIES

FLORENSIS, B.V.

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: June to frost
USDA Hardiness Zones: 6a to 8b

- Long-blooming for stunning Summer borders.
- Compact series with a uniform flower canopy.
- Excellent performance in containers.
- Heat-tolerant plants bloom all Summer, well into Fall.

Gallo Bright Red 'Floragalbred'
Gallo Dark Bicolor 'KIEGALDAB' PP20,718
Gallo Fire 'Florgalire'
Gallo Peach 'KIEGALPEA' PP20,717
Gallo Red 'Florgaled'
Gallo Yellow 'KIEGALYEL' PP20,716

Galium odoratum

Gaillardia Gallo Fire

GALIUM (SWEET WOODRUFF)

Gallium odoratum

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

Photo Courtesy of Skagit Gardens

Gaura Passionate Blush

Photo Courtesy of Skagit Gardens

Gaura 'Passionate Rainbow'

Gaura Pink Fountain

Gaura 'Siskiyou Pink'

GAURA
(WAND FLOWER)

Gaura lindheimeri

PASSIONATE BLUSH

PLANTHAVEN, INC.

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.

'PASSIONATE RAINBOW'

PLANTHAVEN, INC.

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: May to September
USDA Hardiness Zones: 7a to 9b
PP17,002

Tender perennial with attractive open habit. Perfect as accent plant or in mixed containers.

PINK FOUNTAIN

PLANTHAVEN, INC.

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.

'SISKIYOU PINK'

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

Clusters of bright, red-pink flowers with white stamens on willowy foliage.

SNOW FOUNTAIN

PLANTHAVEN, INC.

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: May to September
USDA Hardiness Zones: 6a to 9b
'Walsnofou' PP19,376

Extraordinary upright habit with strong stems and masses of heavy white blooms.

'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 Snow Fountain

Gaura 'Whirling Butterflies'

DARWIN PERENNIALS

Gaura Ballerina Blush

DARWIN PERENNIALS

Gaura Ballerina Rose

DARWIN PERENNIALS

Gaura Ballerina White

Gaura Belleza Dark Pink

Gaura Belleza White

Gaura Belleza Compact Light Pink

BALLERINA™ SERIES

DARWIN PERENNIALS

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 the most compact, well-branched white Gaura on the market.

Blush 'Baltinblus' PP14,683
Rose 'Baltinrose' PP14,635
White 'Baltincite' PP20,326

BELLEZA™ SERIES

SELECTA

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

- A great-looking companion plant in containers and landscapes.
- Excellent branching with short flower stems.
- Dark Pink and White have upright habits; Compact Light Pink is mounded.
- Compact Light Pink is well-suited to high-density programs.

Compact Light Pink 'KLEGL06261'
Dark Pink 'KLEAU04263'
White 'KLEGL14844'

Gaura Gaudi Red

Gaura 'Little Janie'

Gaura Gaudi Rose

Gaura Gaudi Pink

GAURA
(WAND FLOWER)

Gaura lindheimeri

GAUDI™ SERIES

FLORENSIS, B.V.

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

- Compact, well-branched habit.
- Darker foliage in cooler temperatures.
- Makes a beautiful container plant.

Pink
Red 'Florgaure' PP26,518
Rose

'WHISKERS DEEP ROSE'

DARWIN PERENNIALS

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

- 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.
- A great container item for impulse sales.

'LITTLE JANIE'

DARWIN PERENNIALS

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'

Geum Cocktails 'Sangria'

Geum Cocktails 'Banana Daiquiri'

Geum Cocktails 'Alabama Slammer'

Geum Cocktails 'Mai Tai'

Geum Cocktails 'Tequila Sunrise'

Hedera English Ivy

Hedera 'Thorndale'

Helenium Mardi Gras

Geum 'Totally Tangerine'

GEUM (AVENS)

Geum hybrida

COCKTAILS™ SERIES

INTRINSIC PERENNIAL GARDENS

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

Hybrid series features good vigor and disease tolerance.

'Alabama Slammer' PP23,750
'Banana Daiquiri' PP25,351
'Mai Tai' PP22,433
NEW 'Sangria'
'Tequila Sunrise' PP21,514

GEUM (AVENS)

Geum chiloense x rivale

'TOTALLY TANGERINE'

PLANTHAVEN, INC.

Height: 22 to 26 in. (56 to 66 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 8b
PP22,041

Large apricot blooms form sprays of color for a long flowering period; robust habit.

HEDERA (ENGLISH IVY)

Hedera helix

ENGLISH IVY

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 10b

Large, semi-evergreen leaves, bright to dark green.

'THORNDALE'

Height: 3 to 5 in. (8 to 13 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Purple-green stems; large, dark green leaves with light veins that turn white in Winter.

HELENIUM (HELEN'S FLOWER)

Helenium autumnale

MARDI GRAS

MUST HAVE PERENNIALS™

Height: 36 to 40 in. (91 to 102 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b
'Helbro' PP15,124

- Produces a riot of "tie-dyed" blooms with deep brown, mounded center cones.
- Forms upright clumps with sturdy stems that sway in the Summer breeze.
- Massed plantings form tight, shrubby bushes of impressive size in two years.

NEW FOR 2018 DARWIN PERENNIALS

AUTUMN GOLD

Helianthus 'Autumn Gold'

HELIANTHUS (WILLOWLEAF SUNFLOWER)

Helianthus salicifolius

'AUTUMN GOLD'

NEW FOR 2018
DARWIN PERENNIALS

Height: 24 to 26 in. (61 to 66 cm)
Bloom Months: September to November
USDA Hardiness Zones: 5a to 10a
PPAF

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.

DARWIN PERENNIALS

SUNSTRUCK

Heliopsis 'Sunstruck'

HELIOPSIS
(OX-EYE)
Heliopsis helianthoides

'SUNSTRUCK'

DARWIN PERENNIALS

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 one-gallon containers with more plants per rack and lower input costs.

"We were impressed with Heliopsis 'Sunstruck' because it's the best variegated Heliopsis we've seen to date. What does that mean? Stable variegation in the fields (no reverting back to green), and no lodging compared to older varieties. Very impressive!"

John Walters
CEO, Walters Gardens, MI

HERBS

ADD SPICE TO YOUR PROGRAM! YOU'LL FIND A WIDE VARIETY OF THE MOST POPULAR CULINARY HERBS IN OUR SELECTION. USE THIS EASY HERB INDEX TO FIND THEM ALL.

HERBS

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English
French
Golden Lemon
Lemon
Orange
Silver Edged
Spicy Orange
Variegatus

DARWIN PERENNIALS

Heliopsis 'Double Sunstruck'

NEW FOR 2018

Houttuynia Chameleon

Heliopsis 'Loraine Sunshine'

Heliopsis 'Bressingham Doubloon'

HELIOPSIS
(OX-EYE)

Heliopsis helianthoides

'BRESSINGHAM DOUBLOON'

MUST HAVE PERENNIALS™

Height: 48 to 60 in. (122 to 152 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 9b
PP11,270

Semi-double, true golden flowers on strong, sturdy stems – no staking needed!

'LORAINE SUNSHINE'

MUST HAVE PERENNIALS™

Height: 30 in. (76 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 9b
PP10,690

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

'DOUBLE SUNSTRUCK'

DARWIN PERENNIALS

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: May to July
USDA Hardiness Zones: 4a to 9b
PP26,608

- Semi-double flowers on free-branching plants make a striking season extender.
- Compact habit lets growers ship more plants per rack.
- Intense yellow flowers and variegated foliage command attention.
- Long-flowering plants light up Spring and Summer gardens.

HOUTTUYNIA
(CHAMELEON PLANT)

Houttuynia cordata

CHAMELEON

NEW FOR 2018
Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: Summer
USDA Hardiness Zones: 5a to 9b

With stunning foliage, this one is excellent as a marginal plant for water gardens or as a vigorous groundcover in moist soil. Plant with strong-growing perennials such as ostrich fern, water iris and large-leaved hostas, or grow in sunken containers to restrain spread.

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 calycinum

DARWIN PERENNIALS

Iberis 'White Heat'

DARWIN PERENNIALS

Iberis 'Lavish'

Hypericum Hypearl Compact Star

Hypericum Hypearl Compact Yellow

Hypericum Hypearl Compact Red

HYPERICUM
(ST. JOHN'S WORT)

Hypericum inodorum

HYPEARL® SERIES

DE RUITER INNOVATIONS, B.V.

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: May to June
USDA Hardiness Zones: 6a to 9b

Compact, well-branched shrubs for landscapes and containers have star-shaped flowers in Spring, followed by showy berries in Summer that remain until Fall.

Compact Red 'Ruihyi174a'
Compact Star 'Ruihyg219a' PP26,342
Compact Yellow 'Ruihyh002a' PP26,341

IBERIS
(EVERGREEN CANDYTUFT)

Iberis amara

'WHITE HEAT'

DARWIN PERENNIALS

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: January to August
USDA Hardiness Zones: 7a to 10b
PPAF

- Extremely long-blooming variety for a longer selling window.
- No vernalization needed for flowering.
- Ideal for very early sales in the South.
- High heat tolerance.
- Tender perennial.

IBERIS
(EVERGREEN CANDYTUFT)

Iberis gibraltarica

'LAVISH'

DARWIN PERENNIALS

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: April to August
USDA Hardiness Zones: 6a to 9b
PP27,686

- Long bloom time, with deep lavender flowers.
- Requires no vernalization for flowering.
- Great in mixed containers.
- Tender perennial.

NEW FOR 2018 DARWIN PERENNIALS

SNOWSATION

Iberis 'Snowsation'

IBERIS
(EVERGREEN CANDYTUFT)
Iberis sempervirens

'SNOWSATION'

NEW FOR 2018
DARWIN PERENNIALS

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

The largest flowers of any compact, hardy 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.

Iberis 'Alexander's White'

NEW FOR 2018

Iberis Monte Bianco

Iberis Snowflake

Iberis 'Purity'

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.

MONTE BIANCO

NEW FOR 2018
FLORENSIS, B.V.

Height: 18 to 22 in. (46 to 56 cm)
Bloom Months: Spring to early Summer
USDA Hardiness Zones: 4a to 9b
'Floribmobi' PPAF

Compact, early flowering Iberis. Great for quarts or gallons. Crisp, white flowers on medium-green foliage.

'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.

SNOWFLAKE

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

Medium-habit Iberis cascades over walls or is useful as a groundcover. Evergreen foliage has long leaves; pure white flowers in early Spring appear iridescent in sunlight. Woody base can be cut back easily if needed.

Lamiastrum 'Hermann's Pride'

© MasterTag

Lamium 'Anne Greenaway'

Lamium 'Beacon Silver'

Lamium 'Orchid Frost'

Lamiastrum 'Variegatum'

Lamium 'Pink Pewter'

Lamium 'Purple Dragon'

Lamium 'Red Nancy'

Lamium 'Shell Pink'

Lamium 'White Nancy'

LAMIASTRUM (YELLOW ARCHANGEL)

Lamiastrum galeobdolon

'HERMANN'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.

'ORCHID FROST'

PLANTHAVEN, INC.

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 9b
PP11,122

- Orchid-pink flowers rebloom in Fall.
- Good resistance to leaf spots.
- Low-maintenance garden performer.

'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.

'PURPLE DRAGON'

HORTECH, INC.

Height: 4 to 8 in. (10 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 3a to 9b
Available as tissue culture-raised liners
PP15,890

- Rich purple spikes contrast with bright silvery foliage.
- Snapdragon-like flowers.
- 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 border or container.

'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.

DARWIN PERENNIALS

SUPERBLUE

Lavandula SuperBlue

LAVANDULA
(LAVENDER)
Lavandula angustifolia

SUPERBLUE

DARWIN PERENNIALS

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

Scored 4.7/5 average during July to September 2016 Best of Species at Penn State University, Landisville, Pennsylvania, first season.

Lavandula Big Time Blue

Lavandula 'Blue Cushion'

Lavandula 'Goodwin Creek Grey'

Lavandula 'Hidcote'

Lavandula 'Jean Davis'

Lavandula 'Munstead'

Lavandula Platinum Blonde

Lavandula 'Thumbelina Leigh'

LAVANDULA (LAVENDER)

Lavandula angustifolia

BIG TIME BLUE

CONCEPT PLANTS, B.V.

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.

'BLUE CUSHION'

MUST HAVE PERENNIALS™

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.

'JEAN DAVIS'

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

Pale pink flowers over silvery foliage.

'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.

PLATINUM BLONDE™

CULTIVARIS NORTH AMERICA, LLC

Height: 16 to 24 in. (41 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 6a to 9b
'Momparler' PP23,834

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

'THUMBELINA LEIGH'

KIWI FLORA LIMITED

Height: 9 to 11 in. (23 to 28 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b
PP15,231

Compact habit with sturdy stems of fragrant foliage and purple flowers.

'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 x ginginsii

'GOODWIN CREEK GREY'

Height: 12 to 36 in. (61 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 'Vera'

Lavandula French Lavender

DARWIN PERENNIALS

Lavandula Bright Luxurious

DARWIN PERENNIALS

Lavandula Luxurious

Lavandula 'Otto Quast'

Lavandula 'Dilly Dilly'

Lavandula pinnata

Lavandula Phenomenal

Lavandula 'Grosso'

Lavandula 'Provence'

© The John Henry Company

LAVANDULA (LAVENDER)

Lavandula intermedia

'GROSSO'

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

Fragrant and wonderful addition to scent gardens.

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.

PHENOMENAL™

B & S PLANTS, LLC

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.

'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 (LAVENDER)

Lavandula stoechas

BRIGHT LUXURIOUS

DARWIN PERENNIALS

Height: 14 to 18 in. (36 to 46 cm)
Bloom Months: March to July
USDA Hardiness Zones: 6a to 9b
'Anouk Deluxe 1956' PP26,496

- Compact variety is perfect for small novelty containers...and big sell-through!
- Full, compact habit.
- Excellent reblooming variety.
- Can be grown in quarts and specialty containers.
- Lighter color flags than Luxurious.

LUXURIOUS

DARWIN PERENNIALS

Height: 14 to 18 in. (36 to 46 cm)
Bloom Months: March to July
USDA Hardiness Zones: 6a to 9b
'Anouk Deluxe 109' PP26,494

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

'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, silvery foliage, upright habit.

Lavandula 'Anouk'

Lavandula Anouk Supreme

Lavandula Anouk Deep Rose

LAVANDULA
(SPANISH LAVENDER)

Lavandula stoechas

ANOUK SERIES

DARWIN PERENNIALS

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

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

'Anouk' Dark violet flower spikes topped by clear purple flags. PP16,685
Anouk Supreme Flowers one week earlier than Anouk. 'Anouk Deluxe 901' PP26,495
Anouk Deep Rose Deep rose flags on lavender-rose flowers. 'Anouk Deluxe 179' PP26,493
Double Anouk Double lavender flags on purple flowers. 'Anouk Deluxe 1205' PPAF
'Silver Anouk' Compact and upright with narrow, blue-silver foliage. PP20,068
White Anouk Bright white, non-burning flags on blue flowers. 'Anouk Deluxe 10173' PPAF

Lavandula 'Silver Anouk'

Lavandula White Anouk

Lavandula Double Anouk

Leucanthemum 'Becky'

Leucanthemum Freak!®

Leucanthemum Ooh La 'LaCrosse'

NEW FOR 2018

Leucanthemum Ooh La LaGrande

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.

FREAK!®

MUST HAVE PERENNIALS™

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 show-stopper.

OOH LA™ SERIES

FLORENSIS

Height: Varies by Variety
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9a

- Flowers well, even in the first season!
- Compact, dark green leaves.
- Ideal for borders, rock gardens and containers.

'LaCrosse' Height: 10 to 12 in. (25 to 30 cm) Unique, trumpet-shaped white petals.
NEW **LaGrande** Height: 10 to 12 in. (25 to 30 cm) Extra-large white daisy flowers. 'Florleulag' PPAF
'LaSpider' Height: 12 to 14 in. (30 to 36 cm) Makes a fun, frilly statement in beds and containers. Attractive semi-double flowers. Fringed flower petals. Compact habit.

NEW FOR 2018 DARWIN PERENNIALS

WHITE MAGIC

Leucanthemum 'White Magic'

LEUCANTHEMUM
(SHASTA DAISY)
Leucanthemum x superbum

'WHITE MAGIC'

DARWIN PERENNIALS

NEW FOR 2018
Height: 20 to 24 in. (51 to 61 cm)
Bloom Months: May to August
USDA Hardiness Zones: 5b to 9b
PPAF

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.

NEW FOR 2018

Leucanthemum 'Spoonful of Sugar'

Leucanthemum Realflor 'Real Dream'

Leucanthemum Realflor 'Real Galaxy'

NEW FOR 2018

Leucanthemum 'Whoops A Daisy'

Leucanthemum Realflor 'Real Glory'

DARWIN PERENNIALS

Leucanthemum 'Santé'

Leucanthemum 'Snowcap'

Leucanthemum Spellbook 'Lumos'

REALFLOR® COLLECTION

PLANTHAVEN, INC.

Height: 16 to 36 in. (41 to 91 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 9b

Well-branched, floriferous varieties with unique flower forms, improved disease resistance and upright habits.

'Real Dream' PP25,664
'Real Galaxy' PP23,873
'Real Glory' PP25,733

'SANTÉ'

DARWIN PERENNIALS

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'

MUST HAVE PERENNIALS™

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.

SPELLBOOK® 'LUMOS'

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: April to August
USDA Hardiness Zones: 5a to 9b
PPAF

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

'SPOONFUL OF SUGAR'

NEW FOR 2018
WALTERS GARDENS

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

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.

'WHOOPS A DAISY'

NEW FOR 2018
WALTERS GARDENS

Height: 15 in. (38 cm)
Bloom Months: Summer
USDA Hardiness Zones: 5a to 9b
PPAF

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.

Lithodora 'Grace Ward'

Lithodora 'Heavenly Blue'

Lithodora 'White Star'

Lobelia Crimson Princess

Lobelia Rose Princess

Lobelia Scarlet Princess

Lychnis Petite Jenny

Lysimachia 'Goldilocks'

Lysimachia 'Alexander'

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.

'WHITE STAR'

MUST HAVE PERENNIALS™

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.

LOBELIA (CARDINAL FLOWER)
Lobelia hybrida

PRINCESS SERIES

WALTER BLOM PLANTS, B.V.

Height: 20 in. (51 cm)
Bloom Months: July to September
USDA Hardiness Zones: 7a to 10b

- Tender perennials.
- Bright, fan-shaped flowers.
- Deep-toned foliage.

Crimson Princess 'Gencrim' PP24,945
Rose Princess 'Genross' PP24,930
Scarlet Princess 'Genlet' PP24,944

LYCHNIS (CATCHFLY)
Lychnis flos-cuculi

PETITE JENNY

MUST HAVE PERENNIALS™

Height: 14 in. (36 cm)
Bloom Months: May to June
USDA Hardiness Zones: 5a to 8b
'LychJen' PP14,139

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

LYSIMACHIA (LOOSESTRIFE)
Lysimachia nummularia

'GOLDILOCKS'

Height: 2 to 4 in. (5 to 10 cm)
Bloom Months: None
USDA Hardiness Zones: 3a to 10b

Trailing habit and golden foliage are beautiful in mixed containers.

LYSIMACHIA (LOOSESTRIFE)
Lysimachia punctata

'ALEXANDER'

PLANTHAVEN, INC.

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.

Mazus reptans

Mentha 'Kentucky Colonel' Mint

Mentha Spearmint

Mentha Apple Mint

Mentha Variegated Pineapple Mint

Mentha Ginger Mint

Mentha Chocolate Mint

Mentha Citrata Orange Mint

Mentha Peppermint

Mentha Mojito Mint

MAZUS
(CREEPING MAZUS)
Mazus reptans

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

Small, toothed leaves and purple-blue flowers with red and yellow spots.

MENTHA
(MINT)
Mentha spicata

'KENTUCKY COLONEL' MINT

Height: 24 in. (61 cm)
Bloom Months: None
USDA Hardiness Zones: 3a to 7b

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

SPEARMINT

Height: 36 in. (91 cm)
Bloom Months: None
USDA Hardiness Zones: 3a to 7b

Spearmint-scented green leaves with purple-blue flowers.

MENTHA
(MINT)
Mentha suaveolens

APPLE MINT

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

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

VARIEGATED PINEAPPLE MINT

Height: 24 in. (61 cm)
Bloom Months: None
USDA Hardiness Zones: 6a to 9b
'Variegata'

Green and white variegated leaves with sweet pineapple scent.

MENTHA
(MINT)
Mentha x gracillis

GINGER MINT

Height: 6 to 12 in. (15 to 30 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Spreading habit with ginger-flavored leaves and violet flowers.

MENTHA
(MINT)
Mentha x piperita

CHOCOLATE MINT

Height: 24 in. (61 cm)
Bloom Months: None
USDA Hardiness Zones: 3a to 7b

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

CITRATA ORANGE MINT

Height: 24 in. (61 cm)
Bloom Months: None
USDA Hardiness Zones: 3a to 7b

Very fragrant orange mint with a neat, attractive habit.

PEPPERMINT

Height: 24 in. (61 cm)
Bloom Months: None
USDA Hardiness Zones: 3a to 7b

Deliciously spicy scent – great for tea.

MENTHA
(MINT)
Mentha x villosa

MOJITO MINT

Height: 36 in. (91 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

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

BALMY™

DARWIN PERENNIALS

Monarda Balmy Rose

THE IDEAL GROWER-FRIENDLY SERIES IN FOUR ATTENTION-GRABBING COLORS.

Monarda Balmy Lilac

Monarda Balmy Pink

Monarda Balmy Purple

Monarda Balmy Rose

Monarda 'Blue Stocking'

Photo Courtesy of Skagit Gardens

Monarda Dancing Bird

Monarda Grand Parade

Monarda 'Jacob Cline'

Monarda 'Marshall's Delight'

Monarda 'Raspberry Wine'

MONARDA
(BEE BALM, BERGAMOT)

Monarda didyma

BALMY™ SERIES

DARWIN PERENNIALS

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

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

- 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
Purple Plantarium 2016 Bronze Medal Winner 'Balbalmurp' PP25,561
Rose Rated 2016 Best of Species at Penn State University, Landisville, Pennsylvania, first season. 'Balbalmose' PP26,567

'BLUE STOCKING'

Height: 24 to 48 in. (61 to 122 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b

Striking, deep violet flowers attract butterflies and hummingbirds.

DANCING BIRD

NEW FOR 2018
RENE VAN GAALEN, B.V.

Height: 18 to 22 in. (46 to 56 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b
'Allmobird' PPAF

Mildew-tolerant, medium-habit Monarda has a long bloom window.

GRAND PARADE™

BAILEY NURSERIES, INC.

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: June to July
USDA Hardiness Zones: 3a to 8b
'Acrade' PP19,580

Lots of lavender-purple flowers mid through late Summer, with aromatic foliage that smells like mint when crushed.

'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.

'MARSHALL'S DELIGHT'

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 9b

Plants have pink blooms on stout stems, with high tolerance to mildew.

'RASPBERRY WINE'

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b

Raspberry-like buds open to wine-red flowers with dark green, mildew-resistant foliage.

Monarda Sugar Buzz 'Blue Moon'

Monarda Sugar Buzz 'Bubblegum Blast'

Monarda Sugar Buzz 'Cherry Pops'

Monarda Sugar Buzz 'Cotton Candy'

MONARDA
(BEE BALM, BERGAMOT)

Monarda didyma

SUGAR BUZZ® SERIES

NEW FOR 2018
WALTERS GARDENS

Height: 14 to 24 in. (36 to 61 cm)
Bloom Months: Summer
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.

'Blue Moon' Lavender blue flowers are held by attractive purple bracts. A breakthrough, shorter height for this color. PPAF
'Bubblegum Blast' Hot pink flowers. PPAF
'Cherry Pops' Cherry red flowers. PP27,618
'Cotton Candy' Light pink buds open to pale pink flowers with light pink centers. PPAF
'Grape Gumball' Vibrant magenta flowers. PPAF
'Lilac Lollipop' Lavender lilac flowers. PP27,571
'Pink Frosting' Pastel pink flowers form a carpet of blossoms that completely cover the foliage. PPAF
'Rockin' Raspberry' Deep raspberry purple flowers. PPAF

Monarda Sugar Buzz 'Grape Gumball'

Monarda Sugar Buzz 'Lilac Lollipop'

Monarda Sugar Buzz 'Pink Frosting'

Monarda Sugar Buzz 'Rockin' Raspberry'

Muehlenbeckia 'Nana'

Nepeta 'Six Hills Giant'

Nepeta Little Trudy

Nepeta 'Walker's Low'

DARWIN PERENNIALS

Nepeta Junior Walker

NEW FOR 2018

Nepeta 'Purrsian Blue'

Nepeta 'Blue Wonder'

Nepeta 'Dropmore'

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 (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

JUNIOR WALKER

DARWIN PERENNIALS

Height: 18 in. (46 cm)
Bloom Months: May to September
USDA Hardiness Zones: 5a to 8b
'Novanepjun' PP23,074

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

LITTLE TRUDY®

PLANT SELECT

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.

'PURRSIAN BLUE'

NEW FOR 2018
WALTERS GARDEN

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

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.

'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. (60 cm) wide.

'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.

Ocimum 'Kasar'

Oenothera 'Siskiyou'

OCIMUM (BASIL)

Ocimum basilicum

'KASAR'

Height: 28 to 32 in. (71 to 81 cm)
Bloom Months: None
USDA Hardiness Zones: 9a to 11

Tender perennial has purple shading from leaf base to green tip: tasty and beautiful!

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. Spreads rapidly in the garden.

OENOTHERA (EVENING PRIMROSE)

Oenothera macrocarpa ssp. fremontii

'SHIMMER'

PLANTHAVEN, INC.

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b
PP19,663

Papery, lemon yellow flowers and narrow silvery foliage.

ORIGANUM (COMPACT SWEET MARJORAM)

Origanum majorana

'COMPACTUM'

Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: None
USDA Hardiness Zones: 6b to 9b

(NOT SHOWN) Marjoram with small, round leaves and neat, compact habit.

ORIGANUM (ORNAMENTAL OREGANO)

Origanum rotundifolium

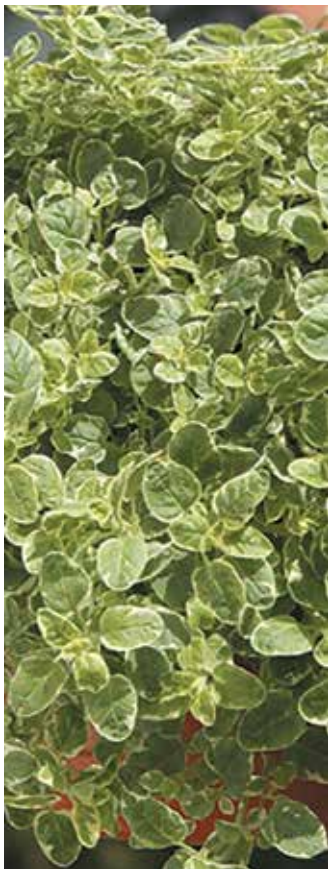
'KENT BEAUTY'

Height: 4 in. (10 cm)
Bloom Months: Late Summer to Fall
USDA Hardiness Zones: 5a to 8b

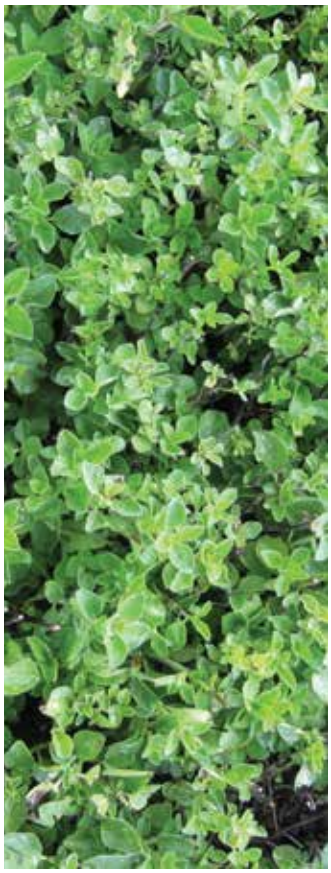
Clusters of hop-like, pendant bracts; color segues from green to mauve-pink.

Oenothera 'Shimmer'

Origanum 'Kent Beauty'


Origanum 'Aureum'

Origanum 'Compactum'


Origanum Greek Oregano

Origanum 'Hot and Spicy'

Origanum Variegated Oregano

Origanum Italian Oregano

ORIGANUM (OREGANO)

Origanum vulgare

'AUREUM'

Height: 12 in. (30 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

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

'COMPACTUM'

Height: 6 in. (15 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Spicy flavor and fragrance, smaller mounding habit and leaves, pale pink to white flowers.

GREEK OREGANO

Height: 12 to 28 in. (30 to 71 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

Strong-growing, hardy strain.

'HOT AND SPICY'

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

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

VARIEGATED OREGANO

Height: 16 in. (41 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

Green with creamy variegated edge.

ORIGANUM (OREGANO)

Origanum x majoricum

ITALIAN OREGANO

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Deliciously scented culinary herb.

ROCK CANDY®

DARWIN PERENNIALS

Penstemon Rock Candy Ruby

SWEET SERIES MAKES A SUMMER-LONG STATEMENT AND GROWS MORE POPULAR EVERY YEAR.

DARWIN PERENNIALS

Penstemon Rock Candy Blue

DARWIN PERENNIALS

Penstemon Rock Candy Light Pink

DARWIN PERENNIALS

Penstemon Rock Candy Pink

NEW FOR 2018

Penstemon 'Blackbeard'

DARWIN PERENNIALS

Penstemon Rock Candy Ruby

Penstemon 'Prairie Twilight'

Penstemon 'Prairie Dusk'

PENSTEMON (BEARD TONGUE)

Penstemon barbatus

ROCK CANDY® SERIES

DARWIN PERENNIALS

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

Blue 'Novapenblu' PP27,786
Light Pink 'Novapenlig' PP27,787
Pink 'Novapenpin' PP26,701
Ruby 'Novapenrub' PP27,820

'PRAIRIE DUSK'

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

Rosy purple, trumpet-shaped blooms on thin spikes.

PENSTEMON (BEARD TONGUE)

Penstemon digitalis

'BLACKBEARD'

NEW FOR 2018
WALTERS GARDENS

Height: 28 to 34 in. (71 to 86 cm)
Bloom Months: Summer
USDA Hardiness Zones: 3a to 8b
PPAF

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

'PRAIRIE TWILIGHT'

MUST HAVE PERENNIALS™

Height: 22 in. (56 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b
PP19,893

Showy, late Spring perennial has masses of tubular, white-tipped lavender flowers that attract bees and hummingbirds.

PENSTEMON
(BEARD TONGUE)
Penstemon hybrida

'CHERRY SPARKS'

DARWIN PERENNIALS

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: May to August
USDA Hardiness Zones: 5a to 9b
PPAF

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 has no big, unsightly seed heads.

MISSIONBELLS™ DEEP ROSE

DARWIN PERENNIALS

Height: 20 to 24 in. (51 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 9b
'Balmibepro' PPAF

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, long-flowering variety with attractive dark stems for contrast.

Penstemon 'Cherry Sparks'

Penstemon MissionBells Deep Rose

DARWIN PERENNIALS

Penstemon Quartz Amethyst

DARWIN PERENNIALS

Penstemon Quartz Rose

QUARTZ® SERIES

DARWIN PERENNIALS

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 maximum color.

- Sturdy, upright habit.
- Good basal branching.

Amethyst 'Novapename' PP27,821
Rose 'Novapenros' PP27,919

DARWIN PERENNIALS

LITTLE BELLS

Penstemon Little Bells

PENSTEMON
(BEARD TONGUE)
Penstemon hybrida

LITTLE BELLS

DARWIN PERENNIALS

Height: 16 in. (41 cm)
Bloom Months: June to July
USDA Hardiness Zones: 6a to 9b
'Novapenbel' PP27,920

Prolific rebloomer with lilac flowers and compact habit.

- Flowers profusely in early Spring and reblooms in Fall.
- Rich purple flowers with white throat.
- Dark green foliage forms a nice basal mat.

Penstemon Pike's Peak Purple

Penstemon Red Rocks

Perovskia Blue Spritzer

Perovskia Lacey Blue

PENSTEMON (BEARD TONGUE)

Penstemon x mexicali

PIKE'S PEAK PURPLE®

PLANT SELECT

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.

RED ROCKS®

PLANT SELECT

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.

PEROVSKIA (RUSSIAN SAGE)

Perovskia atriplicifolia

BLUE SPRITZER

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

- Naturally well-branched and fills a container quickly.
- Lower input costs and faster turns.

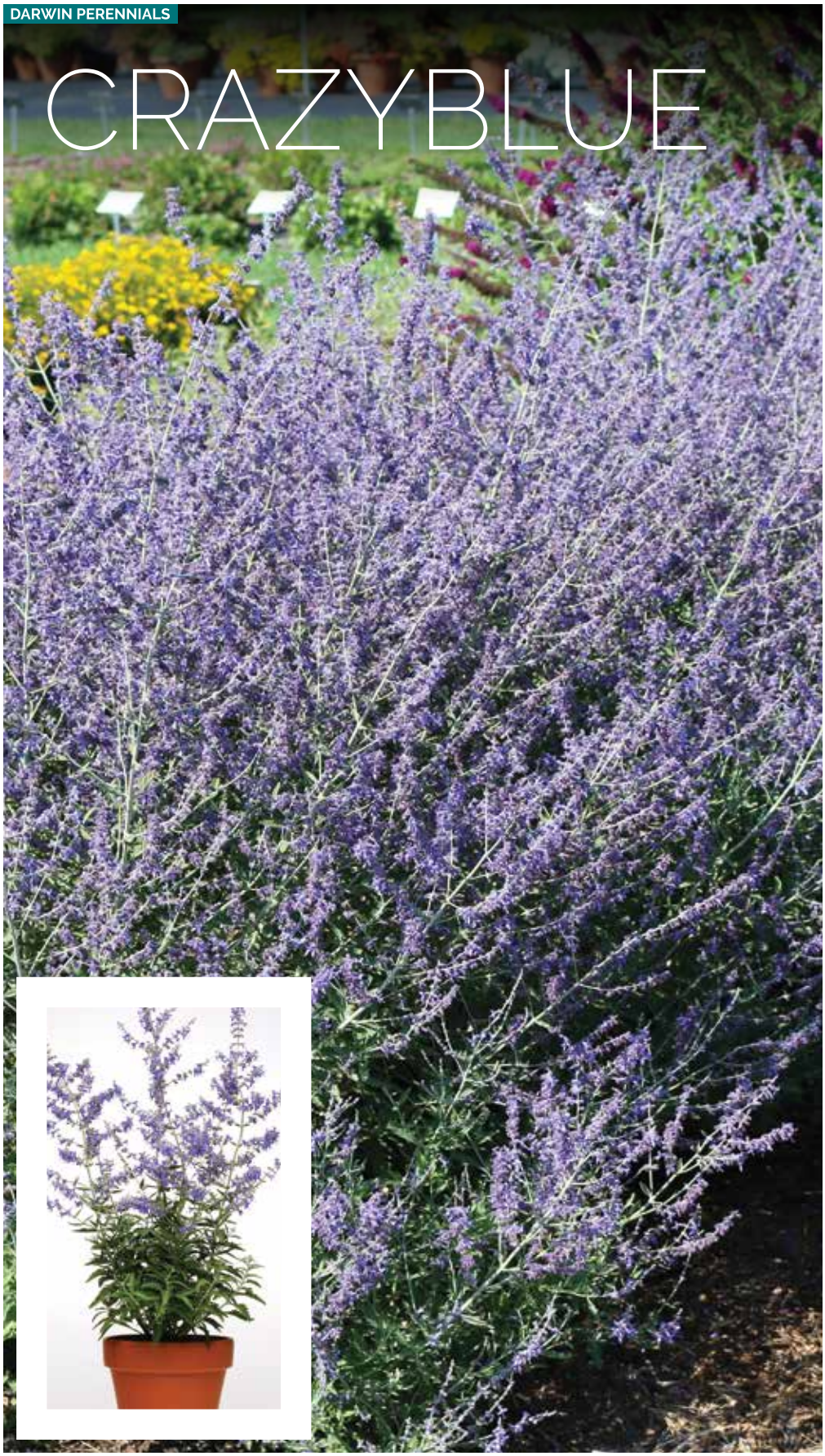
LACEY BLUE

CONCEPT PLANTS, B.V.

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b
'Lisslitt' PP20,845

- Larger flowers for more color!
- Truly dwarf variety stays small in subsequent years.
- Features the largest flowers of any Russian Sage.
- Dense branching prevents flopping.

CRAZYBLUE



Perovskia 'CrazyBlue'

PEROVSKIA
(RUSSIAN SAGE)
Perovskia atriplicifolia

'CRAZYBLUE'

DARWIN PERENNIALS

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: July to August
USDA Hardiness Zones: 4a to 9b
PP25,639

Colorado State University Flower Trial 2016 "Top Performer Perennials" Winner.

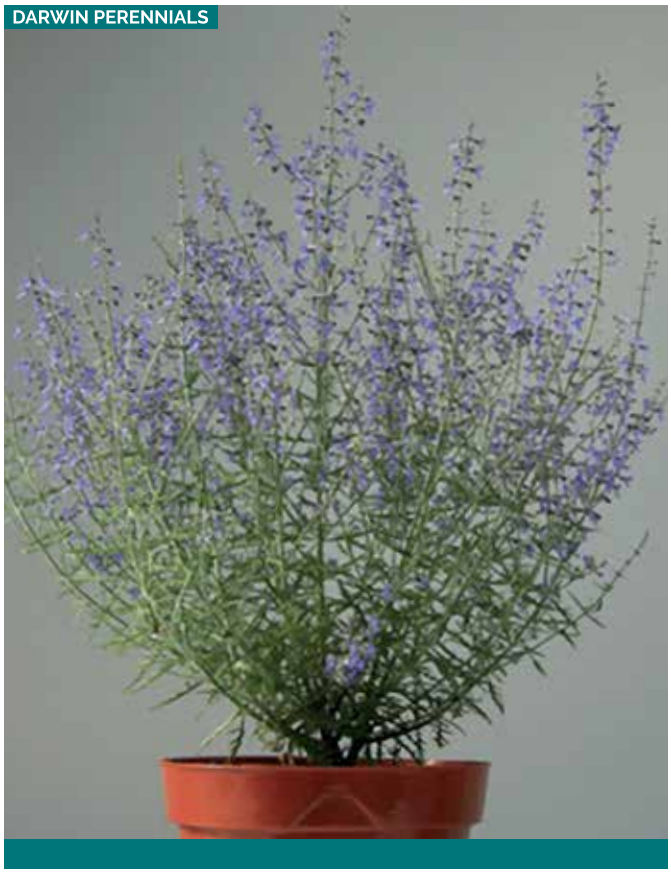
- Unique interlacing branches prevent breakage during shipping.
- Looks good longer at retail and in patio containers.
- Deeper blue flowers than any other Perovskia.

Very good performer with 4.6/5 average score, excellent flowering from Penn State University, Landisville, Pennsylvania, first season, 2015.

"Of all the Perovskia I've tried, CrazyBlue most floats my boat — it stole the show this year. Beautifully upright the entire season from a Spring-planted, non-vernalized plug. That's a tall order. And, it was the longest blooming in the trial!"

Paul Westervelt
Annual & Perennial Production Manager, Saunders Brothers, Inc., VA

DARWIN PERENNIALS



Perovskia Little Lace

NEW FOR 2018

Perovskia 'Rocketman'

Perovskia atriplicifolia

Perovskia 'Longin'

PEROVSKIA
(RUSSIAN SAGE)
Perovskia atriplicifolia

LITTLE LACE

DARWIN PERENNIALS

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

- Unique growth habit combines a shorter plant with great uniformity.
- Long-lasting purple flower spikes create a lot of flower power.
- A good choice for xeric areas.

One of Colorado State University's "Top Performers" for 2015 Season: Class of 2013 and Grown in 2015.

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.

'ROCKETMAN'

NEW FOR 2018
WALTERS GARDENS

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

A narrower, upright vase-shaped habit and relatively short stature set this new Perovskia apart. Its aromatic, gray-green, non-dissected leaves line the silvery stems, which are topped with large, fluffy textured, lavender-blue flowers.

PEROVSKIA
(RUSSIAN SAGE)
Perovskia x hybrida

'LONGIN'

Height: 36 to 42 in. (91 to 107 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b

Narrow, upright habit with airy spikes of lavender blooms and narrow silver leaves.

Phlox 'Blue Moon'

Phlox 'May Breeze'

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.

NEW FOR 2018

Phlox 'Fashionably Early Crystal'

PHLOX
(GARDEN PHLOX)

Phlox paniculata

'BLUE BOY'

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

Extremely prolific plants have blue blooms with white eyes and foliage with blue overlay.

'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.

'EVA CULLUM'

MUST HAVE PERENNIALS™

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

Warm pink florets with red eyes.

NEW FOR 2018

Phlox 'Fashionably Early Flamingo'

FASHIONABLY EARLY SERIES

NEW FOR 2018
WALTERS GARDENS

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

New 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.

Crystal Pure white flowers with a faint light purple eye and broad, dark green foliage. 'Fashionably Early Crystal' PPAF
Flamingo Perfectly defined panicles of light lavender pink flowers with broad, thick, bright green foliage. 'Fashionably Early Flamingo' PPAF
Lavender Ice Pale lavender flowers with a lavender pink eye over narrow, spiky, dark green foliage. 'Fashionably Early Lavender Ice' PPAF
Princess Light fuchsia pink flowers with a darker pink eye cover broad, thick, glossy green foliage. 'Fashionably Early Princess' PPAF

NEW FOR 2018

Phlox 'Fashionably Early Princess'

NEW FOR 2018

Phlox 'Fashionably Early Lavender Ice'

Phlox 'Blue Boy'

© The John Henry Company

Phlox 'Bright Eyes'

Phlox 'Eva Cullum'

Phlox Younique Bicolor

NEW FOR 2018

Phlox Younique 'Blend'

Phlox Younique Cerise

NEW FOR 2018

Phlox Younique 'Mauve'

Phlox Younique Old Blue

NEW FOR 2018

Phlox Younique Old Pink

NEW FOR 2018

Phlox Younique 'Orange'

Phlox Younique Red

NEW FOR 2018

Phlox Younique 'Trendy'

Phlox 'Laura'

Phlox 'Nicky'

Phlox 'Norah Leigh'

Phlox 'Starfire'

'LAURA'

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

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

'NICKY'

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

Intense, deep magenta-purple flower heads.

'NORAH LEIGH'

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

Pale pink flowers and variegated leaves of creamy white with thin green center.

'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.

YOUNIQUE SERIES

COMPASS PLANTS, B.V.

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.

Bicolor 'Versbicolor' PP24,790
NEW **'Blend'**
Cerise 'Verscerise' PP26,102
NEW **'Mauve'**
Old Blue 'Versoldblue' PP26,070
NEW **Old Pink** 'Versoldpink' PP26,139
NEW **'Orange'**
Red
NEW **'Trendy'**

NEW FOR 2018 DARWIN PERENNIALS

CHERRY CREAM

Phlox 'Cherry Cream'

PHLOX
(GARDEN PHLOX)
Phlox paniculata

'CHERRY CREAM'

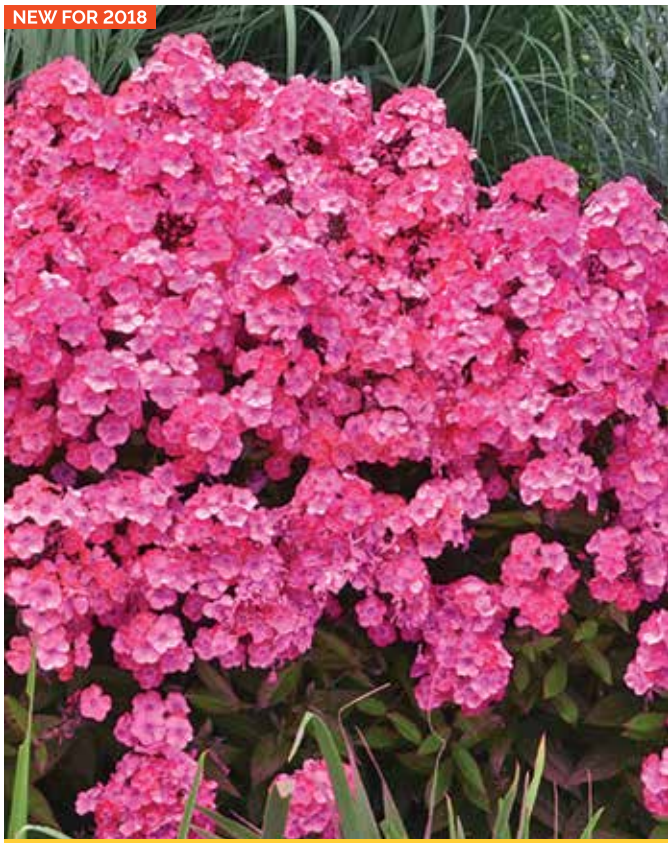
NEW FOR 2018
DARWIN PERENNIALS

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

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-tolerant phlox that offers more uniform production with less chemicals needed for disease control.
- Can be used as cut flowers as well.

NEW FOR 2018



Phlox 'Glamour Girl'

Phlox Paparazzi Britney

Phlox Paparazzi Levine

Phlox Paparazzi Adele

Phlox Paparazzi Angelina

Phlox Paparazzi Jagger

Phlox Paparazzi Paris

Phlox Goldmine Improved

'GLAMOUR GIRL'

NEW FOR 2018
WALTERS GARDENS

Height: 32 in. (81 cm)
Bloom Months: Summer
USDA Hardiness Zones: 3a to 8b
PP25,778

A new gold standard in Tall Phlox. Bright green, healthy foliage shrugs off powdery mildew with ease and looks great all season. Large panicles of glowing hot coral pink, fragrant flowers on dark stems steal the show at the height of Summer. Glamorous indeed!

GOLDMINE IMPROVED

RENE VAN GAALEN, B.V.

Height: 24 to 28 in. (61 to 71 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 9b
'Goldmine IMP' PP26,910

- Gold and green variegated foliage.
- Improved habit and disease resistance.

PHLOX
Phlox x hybrida

PAPARAZZI® COLLECTION

PLANT 21

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.

Adele 'PHL091601' PPAF
Angelina 'PPPHL07301' PP23,702
Britney 'PPPHL0604' PP23,703
Jagger 'PHL090201' PPAF
Levine 'PHL090401' PPAF
Paris 'PPPH07201' PP23,705

Phlox 'Forever Pink'

Phlox 'Amazing Grace'

Phlox 'Candy Stripe'

Phlox 'Coral Eyes'

Phlox 'Crimson Beauty'

PHLOX
Phlox x hybrida

'FOREVER PINK'

CHICAGOLAND GROWS, INC.

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: June to October
USDA Hardiness Zones: 4a to 8b
PP24,918

Compact, carefree and long-blooming, with purplish-pink flowers and mildew-free, yellowish-green foliage.

PHLOX
(MOSS PHLOX)
Phlox subulata

'AMAZING GRACE'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Early Spring
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 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: Early Spring
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, hot pink blooms.

Phlox 'Drummond's Pink'

Phlox 'Emerald Blue'

Phlox 'Emerald Cushion Blue'

Phlox 'Emerald Pink'

NEW FOR 2018

Phlox Fabulous Blue Violet

NEW FOR 2018

Phlox Fabulous Rose

NEW FOR 2018

Phlox Fabulous White

Phlox 'Millstream Daphne'

Phlox 'Oakington Blue Eyes'

Phlox 'Purple Beauty'

Phlox 'Ronsdorfer Beauty'

'MILLSTREAM DAPHNE'

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

A profusion of pink flowers makes an excellent groundcover display.

'OAKINGTON BLUE EYES'

MUST HAVE PERENNIALS™

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Early Spring
USDA Hardiness Zones: 2a to 8b

Evergreen mats of pine needlelike foliage with sky blue flowers.

'PURPLE BEAUTY'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Early Spring
USDA Hardiness Zones: 2a to 8b

Deep purple blooms.

'RONSDORFER BEAUTY'

Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Early Spring
USDA Hardiness Zones: 2a to 8b

Rich rose-pink flowers with magenta-red center ring.

FABULOUS™ SERIES

FLORENSIS, B.V.

NEW FOR 2018
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Early Spring
USDA Hardiness Zones: 4a to 9b

Nicely mounded habit. Provides beautiful early-Spring color.

Blue Violet 'Florphfabv' PPAF
Rose 'Florphfaro' PPAF
White 'Florphfawh'

Phlox 'Fort Hill'

Phlox 'Red Wings'

Phlox 'Scarlet Flame'

Phlox 'Snowflake'

Phlox 'White Delight'

PHLOX
(MOSS PHLOX)
Phlox subulata

'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.

'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.

'SCARLET FLAME'

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

Red, star-shaped flowers over creeping, needlelike, evergreen foliage.

'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.

PHLOX
(HYBRID CREEPING PHLOX)
Phlox x procumbens

'PINK PROFUSION'

CHICAGOLAND GROWS, INC.

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: March to June
USDA Hardiness Zones: 5a to 8b
PP25,883

Oversized purplish-pink blossoms feature broad, overlapping petals.

PHLOX
(HYBRID CREEPING PHLOX)
Phlox hybrida

'VIOLET PINWHEELS'

CHICAGOLAND GROWS, INC.

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, needlelike foliage and vivid purple flowers with notched, upturned petals.

Phlox 'Pink Profusion'

Phlox 'Violet Pinwheels'

NEW FOR 2018

Physostegia 'Autumn Carnival'

Physostegia 'Miss Manners'

Polemonium Brise D'Anjou

Polemonium 'Touch of Class'

Prunella 'Summer Daze'

Polemonium Bressingham Purple

DARWIN PERENNIALS

Rhodanthemum 'Casablanca'

DARWIN PERENNIALS

Rhodanthemum 'Marrakech'

PHYSOSTEGIA
(OBEDIENT PLANT, FALSE DRAGONHEAD)
Physostegia virginiana

'AUTUMN CARNIVAL'

NEW FOR 2018
WALTER BLOM PLANTS, B.V.

Height: 15 to 17 in. (38 to 43 cm)
Bloom Months: Late Summer to Fall
USDA Hardiness Zones: 5a to 9b
PPAF

Perfect for Summer flowering programs.

'MISS MANNERS'

PLANTHAVEN, INC.

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."

POLEMONIUM
(JACOB'S LADDER)
Polemonium caeruleum

BRISE D'ANJOU

MUST HAVE PERENNIALS™

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 9b
'Blanjou'

Violet-blue flowers from late Spring to early Summer on bushy clumps of creamy-edged, fern-like foliage.

POLEMONIUM
(JACOB'S LADDER)
Polemonium reptans

'TOUCH OF CLASS'

SUNNY BORDER NURSERY

Height: 14 to 18 in. (36 to 46 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 9b
PP19,768

Green and white variegated foliage with rich blue flowers and an elegant habit.

POLEMONIUM
(JACOB'S LADDER)
Polemonium yezoense

BRESSINGHAM PURPLE

MUST HAVE PERENNIALS™

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: May to June
USDA Hardiness Zones: 4a to 9b
'Polbress' PP15,367

Ferny foliage with deep lavender-blue flowers on burgundy stems.

PRUNELLA
(SELF-HEAL)
Prunella hybrida

'SUMMER DAZE'

PLANTHAVEN, INC.

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.

RHODANTHEMUM
Rhodanthemum hosmariense

'CASABLANCA'

DARWIN PERENNIALS

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: March to May and September to October
USDA Hardiness Zones: 8a to 10b
PPAF

- Tender perennial flowers early in the season.
- Floriferous variety has a neat, compact habit.
- Winter-hardy in the South–survives a freeze.
- Ideal for early-Spring containers and landscapes.

'MARRAKECH'

DARWIN PERENNIALS

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: March to May and September to October
USDA Hardiness Zones: 8a to 10b
PPAF

- Early Spring-flowering tender perennial extends your selling season.
- Excellent season starter, along with 'Casablanca'.
- More cold-tolerant than Argyranthemum and Osteospermum.

Rosmarinus officinalis

Rosmarinus 'Arp'

Rosmarinus 'Barbecue'

Rosmarinus 'Gorizia'

Rosmarinus 'Huntington Carpet'

Rosmarinus 'Madeline Hill'

© The John Henry Company
Rosmarinus 'Prostratus'

Rosmarinus 'Salem'

ROSMARINUS (ROSEMARY)

Rosmarinus officinalis

Height: 48 to 60 in. (122 to 152 cm)
Bloom Months: None
USDA Hardiness Zones: 8a to 11

Shrubby tender perennial has evergreen needlelike leaves with pungent pine scent.

'ARP'

Height: 60 in. (152 cm)
Bloom Months: None
USDA Hardiness Zones: 7a to 11

Tender perennial with needlelike leaves, woody stems and sparkling blue flowers.

'BARBECUE'

Height: 36 to 48 in. (91 to 122 cm)
Bloom Months: None
USDA Hardiness Zones: 8a to 11

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

'GORIZIA'

Height: 48 to 60 in. (122 to 152 cm)
Bloom Months: None
USDA Hardiness Zones: 8a to 11

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

'HUNTINGTON CARPET'

Height: 18 in. (46 cm)
Bloom Months: None
USDA Hardiness Zones: 8a to 11

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

'MADELINE HILL'

Height: 36 in. (91 cm)
Bloom Months: None
USDA Hardiness Zones: 6a to 11

Sturdy, upright form; reputably hardy to Zone 6.

'PROSTRATUS'

Height: 6 to 12 in. (15 to 30 cm)
Bloom Months: None
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)
Bloom Months: None
USDA Hardiness Zones: 8a to 11

Tender perennial but hardier than most, with a tidy, upright habit.

'SPICE ISLAND'

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: None
USDA Hardiness Zones: 8a to 11

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

'TUSCAN BLUE'

Height: 36 in. (91 cm)
Bloom Months: None
USDA Hardiness Zones: 8a to 11

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

Rosmarinus 'Spice Island'

Rosmarinus 'Tuscan Blue'

Rudbeckia 'Viette's Little Suzy'

Salvia Pineapple Sage

Sagina 'Aurea'

Sagina Irish Moss

Salvia 'Furman's Red'

Salvia 'Ultra Violet'

RUDBECKIA (BLACK-EYED SUSAN)

Rudbeckia speciosa

'VIETTE'S LITTLE SUZY'

MUST HAVE PERENNIALS™

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.

SALVIA (SAGE)

Salvia elegans

PINEAPPLE SAGE

Height: 36 in. (91 cm)
Bloom Months: None
USDA Hardiness Zones: 8a to 11

Tender perennial with pineapple-scented foliage and red flowers.

SALVIA (SAGE)

Salvia greggii

'FURMAN'S RED'

PLANT SELECT

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 (AUTUMN SAGE)

Salvia x greggii

'ULTRA VIOLET'

PLANTHAVEN, INC.

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: Summer to Frost
USDA Hardiness Zones: 7a to 9b
PP21,411

Vibrant purple flowers and aromatic, mid-green foliage.

MIRAGE™

DARWIN PERENNIALS

Salvia Mirage Hot Pink

YOU'RE NOT SEEING THINGS... THESE BEAUTIFUL BLOOMS ARE FOR REAL!

Salvia Mirage Burgundy

Salvia Mirage Cherry Red

Salvia Mirage Cream

Salvia Mirage Deep Purple

Salvia Mirage Hot Pink

Salvia Mirage Neon Rose

Salvia Mirage Pink

Salvia Mirage Soft Pink

Salvia Mirage Violet

SALVIA (SAGE)

Salvia greggii

MIRAGE™ SERIES

DARWIN PERENNIALS

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 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.

Burgundy 'Balmirbur' PPAF
Cherry Red Colorado State University Flower Trial "Best of..." Award Winner. 'Balmircher' PPAF
Cream 'Balmircemi'
Deep Purple 'Balmirdepur' PPAF
Hot Pink 'Balmirhopi'
Neon Rose 'Balmirnose'
Pink 'Balmirpink'
Soft Pink 'Balmirsopin'
Violet 'Balmirvio' PPAF

ARCTIC BLAZE®

DARWIN PERENNIALS

Salvia Arctic Blaze Red

BOLD COLORS IGNITE LANDSCAPES FROM SPRING THROUGH FALL.

DARWIN PERENNIALS

Salvia Arctic Blaze Fuchsia

DARWIN

Salvia
Arctic Blaze Purple

DARWIN

Salvia
Arctic Blaze Red

DARWIN PERENNIALS

Salvia Suncrest 'Flamenco Rose'

DARWIN PERENNIALS

Salvia Suncrest 'Lemon Light'

DARWIN PERENNIALS

Salvia 'Radio Red'

DARWIN PERENNIALS

Salvia Suncrest 'Orchid Glow'

DARWIN

Salvia Suncrest
'Autumn Moon'

DARWIN

Salvia Suncrest
'Fancy Dancer'

DARWIN

Salvia Suncrest
'Fire Dancer'

DARWIN

Salvia Suncrest
'Golden Girl'

DARWIN

Salvia Suncrest
Landscape
'Dancing Dolls'

DARWIN

Salvia Suncrest
Landscape
'Shell Dancer'

SALVIA (SAGE)

Salvia hybrida

ARCTIC BLAZE® SERIES

DARWIN PERENNIALS

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' PPAF
Purple 'Novasalpur' PPAF
Red 'Novasalred' PPAF

SALVIA (SAGE)

Salvia greggii

'RADIO RED'

DARWIN PERENNIALS

Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: March to September
USDA Hardiness Zones: 7a to 10b
PP26,362

- Finally: a good, true red *S. greggii* meets demand for this popular color.
- Keeps its color without fading longer than other red varieties.
- Well-branched plants.
- Blooms all Summer long – nice in containers.

Rated Best of Species at Penn State University, Landisville, Pennsylvania, first season.

SUNCREST SERIES

DARWIN PERENNIALS

Height: 16 to 24 in. (41 to 61 cm)
Bloom Months: March to October
USDA Hardiness Zones: 7a to 11

Compact, tidy, well-branched tender perennials.

'Autumn Moon' PP24,106
'Fancy Dancer' PP24,088
'Fire Dancer'
'Flamenco Rose'
'Golden Girl' PP23,997
'Lemon Light' PP24,105
'Orchid Glow' PP22,520

SUNCREST LANDSCAPE SERIES

DARWIN PERENNIALS

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: March to October
USDA Hardiness Zones: 7a to 11

Tender perennials with a moderately sized plant habit.

'Dancing Dolls' PP19,820
'Shell Dancer' PP20,680

Salvia 'Black & Blue'

Salvia 'Love and Wishes'

Salvia 'Ember's Wish'

Salvia 'Santa Barbara'

Salvia 'Blue Hill'

SALVIA
(SAGE)
Salvia guaranitica

'BLACK & BLUE'

Height: 36 in. (91 cm)
Bloom Months: Late Summer to Frost
USDA Hardiness Zones: 7a to 10b

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

SALVIA
(SAGE)
Salvia hybrida

'LOVE AND WISHES'

PLANTS MANAGEMENT AUSTRALIA

Height: 32 to 36 in. (81 to 91 cm)
Bloom Months: Summer to frost
USDA Hardiness Zones: 9a to 9b

- Forms a ball of color with no pruning or deadheading.
- A portion of plant proceeds goes to Make-A-Wish® Australia.
- Reblooming, heat-tolerant variety makes a good cut flower.

'EMBER'S WISH'

PLANTS MANAGEMENT AUSTRALIA

Height: 32 to 36 in. (81 to 91 cm)
Bloom Months: May to September
USDA Hardiness Zones: 9a to 10b

Fast-growing variety displays vibrant, coral, tubular flowers on lush, mid-green foliage complemented by maroon stems.

SALVIA
(SAGE)
Salvia leucantha

'SANTA BARBARA'

PLANTHAVEN, INC.

Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: Mid-May to July
USDA Hardiness Zones: 8b to 10b
PP12,949

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

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.

'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.

'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.

Salvia 'Caradonna'

Salvia 'East Friesland'

DARWIN PERENNIALS

BLUE MARVEL

Salvia 'Blue Marvel'

SALVIA
(SAGE)
Salvia nemorosa

'BLUE MARVEL'

DARWIN PERENNIALS

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

Plantarium 2016 Gold Medal Winner; HTA National Plant Show "Best In Show."

LYRICAL™

DARWIN PERENNIALS

Salvia Lyrical Blues

THE NEW STANDARD IN ITS CLASS! MORE FLOWERS, EASY TO GROW, COLOR THAT LASTS.

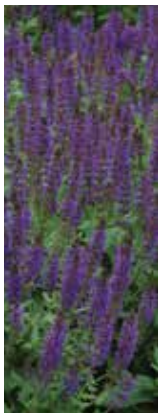
Salvia Lyrical Blues

Salvia Lyrical Rose

Salvia Lyrical Silvertone

Salvia Lyrical White

Salvia 'Burgundy Candles'


Salvia May Night

Salvia Marcus

Salvia 'Snow Hill'

SALVIA (SAGE)

Salvia nemorosa

LYRICAL™ SERIES

DARWIN PERENNIALS

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 Showed excellent performance in first season in two university trials: University of Minnesota, Morris, Minnesota (2015 season results) and Franklin Park Conservatory, Columbus, Ohio (2015 season perennial results).
'Florsalwhite' PP21,243

MARCUS®

RIJNBEEK & ZN, B.V.

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.

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.

'BURGUNDY CANDLES'

DARWIN PERENNIALS

Height: 26 to 28 in. (66 to 71 cm)
Bloom Months: March to September
USDA Hardiness Zones: 4a to 9b
PP22,754

- Attractive burgundy buds and calyxes for long-lasting flower power.
- Strong, semi-upright, vigorous plants.
- Plenty of retail and landscape appeal.
- Excellent performer in Summer heat.
- Suitable for two-gallon programs.

Salvia 'Bumbleberry'

Salvia 'Bumbleblue'

Salvia Sensation Compact Bright Rose

Salvia Sensation Compact Deep Blue

Salvia 'Bumblesky'

Salvia Sensation Compact Sky Blue

Salvia Sensation Compact Violet

Salvia Sensation Compact White

SALVIA
(SAGE)
Salvia nemorosa

'BUMBLEBERRY'

NEW FOR 2018
WALTERS GARDENS

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 3a to 8b
PPAF

Bees and other pollinators swarm to this perennial in droves. Dark fuchsia-pink flowers on 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.

'BUMBLEBLUE'

NEW FOR 2018
WALTERS GARDENS

Height: 12 to 14 in. (30 to 36 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 3a to 8b
PPAF

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.

'BUMBLESKY'

NEW FOR 2018
WALTERS GARDENS

Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 3a to 8b
PPAF

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.

SENSATION™ SERIES

FLORENSIS, B.V.

Height: Varies by Variety
Bloom Months: Mid-May to July
USDA Hardiness Zones: 5a to 9b

- Well-branched, compact plants.
- Rich displays of early-Summer color.
- Attracts hummingbirds and butterflies.

Compact Height: 12 to 14 in. (30 to 36 cm)
Compact Bright Rose 'Florsalbro' PP26,728
Compact Deep Blue 'Florsaldblue' PP21,297
Compact Sky Blue 'Florsalsbu'
Compact Violet 'Florsalvioblu' PP26,744
Compact White 'Florsalcwh'

Medium Height: 14 to 16 in. (36 to 41 cm)
Medium Deep Blue 'Florsaldeep'
Medium Deep Rose 'Florsaldro'
Medium Light Rose 'Florsaliro'
Medium Pink 'Florsalpi'
Medium Purple Rose 'Florsalpur' PPAF
Medium White 'Florsalmwh'

Salvia Sensation Medium Deep Blue

Salvia Sensation Medium Deep Rose

Salvia Sensation Medium Light Rose

Salvia Sensation Medium Pink

Salvia Sensation Medium Purple Rose

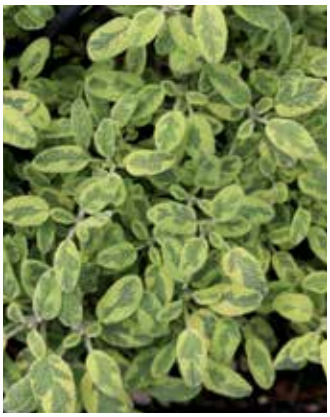
Salvia Sensation Medium White

Salvia 'Aurea'

Salvia 'Berggarten'

Salvia Fashionista 'Midnight Model'

Salvia Garden Sage



Salvia 'Icterina'

Salvia Fashionista 'Ballerina Pink'

Salvia Fashionista 'Pretty in Pink'

Salvia 'Purpurascens' Purple

Salvia 'Tricolor'

Salvia 'Purple Rain'

Salvia 'Wendy's Wish'

SALVIA
(GOLDEN SAGE)
Salvia officinalis

'AUREA'

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 8b

Golden sage has chartreuse leaves edged in gold.

'BERGGARTEN'

Height: 24 to 20 in. (61 to 51 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 8b

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

GARDEN SAGE

Height: 32 in. (81 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 8b

Strongly aromatic, gray-green foliage.

'ICTERINA'

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: None
USDA Hardiness Zones: 6a to 10b

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

'PURPURASCENS' PURPLE

Height: 12 to 24 in. (30 to 61 cm)
Bloom Months: None
USDA Hardiness Zones: 6a to 9b

Purple Sage has bluish-purple stems and leaves.

'TRICOLOR'

Height: 12 to 24 in. (30 to 61 cm)
Bloom Months: None
USDA Hardiness Zones: 6a to 10b

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

SALVIA
(SAGE)
Salvia pratensis

FASHIONISTA™ SERIES

NEW FOR 2018
WALTERS GARDENS

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: Late Spring to Summer
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. PPAF
'Midnight Model' Striking violet-blue flowers in a round, dense clump. PPAF
'Pretty In Pink' Vibrant lavender-pink flowers are held on darker pink calyxes. Produces brightly colored flowers for a long bloom period. PPAF

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 hybrida

'WENDY'S WISH'

PLANTHAVEN, INC.

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

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

FLUTTER™

DARWIN PERENNIALS

Scabiosa Flutter Deep Blue

COMPACT SERIES IS EASY TO SHIP, SHOW AND LOVE!

NEW FOR 2018 DARWIN PERENNIALS

Scabiosa Flutter Pure White

DARWIN PERENNIALS

Scabiosa Flutter Deep Blue

DARWIN PERENNIALS

Scabiosa Flutter Rose Pink

Scabiosa 'Butterfly Blue'

Scabiosa 'Pink Mist'

Santolina 'Nana'

Santolina virens

© The John Henry Company

SCABIOSA (PINCUSHION FLOWER)

Scabiosa columbaria

FLUTTER™ SERIES

DARWIN PERENNIALS

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 'Balfluttdelu' PPAF
NEW **Pure White** This stunning pure-white addition is a unique color for the market. Self-cleaning and long-flowering. 'Balflutturite' PPAF
Rose Pink 'Balfluttropi' PP27,809

'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'

PLANTHAVEN, INC.

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'.
- Green, textured leaves.
- Soft pink, fully double flowers.

SANTOLINA (LAVENDER COTTON)

Santolina africana

'NANA'

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

Finely divided, aromatic silver foliage and yellow button flowers.

SANTOLINA (LAVENDER COTTON)

Santolina virens

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

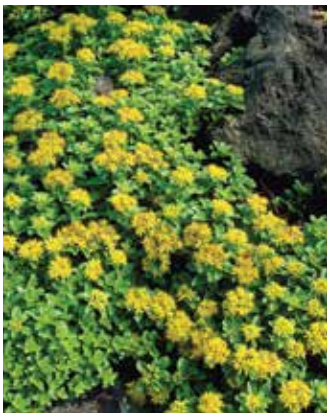
Deep green foliage and bright yellow button flowers.

Sedum 'Athoum'

Sedum 'Coral Carpet'

Sedum 'Chocolate Ball'

Sedum 'Major'



Sedum kamtschaticum

Sedum 'Variegatum'

Sedum 'Vera Jameson'

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: Summer
USDA Hardiness Zones: 4a to 9b

Creeping groundcover with red-tinged, deep green leaves and tiny, pale pink flowers.

SEDUM
(STONECROP)
Sedum dasyphyllum

'MAJOR'

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

Prostrate mats of tight blue foliage and small, white flowers.

SEDUM
(STONECROP)
Sedum hakonense

'CHOCOLATE BALL'

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

Little plants with brown-red, needlelike foliage bloom with yellow flowers in Summer.

SEDUM
(STONECROP)
Sedum kamtschaticum

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

Scalloped, deep green leaves are covered with mounds of yellow-gold flowers.

SEDUM
(STONECROP)
Sedum kamtschaticum

'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 x hybrida

'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 that turn burgundy as Summer progresses.

Sedum 'Weihenstephaner Gold'

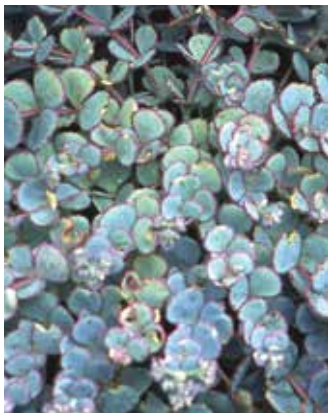
Sedum 'Ogon'

Sedum pachyclados

Sedum 'Blue Spruce'

Sedum 'Angelina'

Sedum sexangulare



Sedum sieboldii

Sedum 'Lemon Ball'

SEDUM
(STONECROP)
Sedum kamtschaticum

'WEIHENSTEPHANER GOLD'

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

Golden yellow flowers and red seed heads on prostrate, scalloped green foliage.

SEDUM
(STONECROP)
Sedum makinoi

'OGON'

Height: 4 in. (10 cm)
Bloom Months: Summer
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: Summer
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, needlelike foliage and yellow flowers.

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, needlelike, golden yellow foliage.

SEDUM
(STONECROP)
Sedum sexangulare

Height: 4 in. (10 cm)
Bloom Months: Summer
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 and red leaf edge 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.

Sedum 'Autumn Fire'

Sedum 'Autumn Joy'

Sedum 'Pink Bomb'

Sedum 'Dragon's Blood'

Sedum 'Fuldaglut'

Sedum 'John Creech'

Sedum 'Matrona'

Sedum 'Tricolor'

Sedum 'Coral Reef'

SEDUM
(STONECROP)
Sedum spectabile

'AUTUMN FIRE'

Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: Late Summer to Fall
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: Late Summer to Fall
USDA Hardiness Zones: 3a to 10b

Blue-green flower heads turn rosy pink and intensify to deep ruby red, then bronze.

'PINK BOMB'

Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: Late Summer to Fall
USDA Hardiness Zones: 5a to 10b

Lovely pink flowers and uniform, compact, succulent foliage.

SEDUM
(STONECROP)
Sedum spurium

'DRAGON'S 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: Spring to Summer
USDA Hardiness Zones: 4a to 9b

Dark green, spreading foliage with red flowers in July. Foliage turns red-orange in Fall.

'JOHN CREECH'

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

Dense groundcover with striking green foliage and pink-purple blooms spills from containers.

'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 edged in white and tinged in pink; pink blooms.

SEDUM
(STONECROP)
Sedum telephium maximum

'MATRONA'

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

Attractive gray-green leaves edged in rose-pink complement delightful flowers that attract butterflies. Allow seed heads to remain standing for Winter interest. Excellent in the garden or landscape planting, and beautiful with Rudbeckia and Coneflowers.

SEDUM
(STONECROP)
Sedum tetractinum

'CORAL REEF'

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

Mounded, spreading groundcover has small yellow flowers and smooth green foliage that turns red in Fall.

Sempervivum 'Carmen'

Sempervivum 'Commander Hay'

Sempervivum 'Kalinda'

Sempervivum 'Cobweb'

Sempervivum 'Sunset'

© MasterTag

Sempervivum 'Royal Ruby'

Sempervivum 'Ruby Heart'

Sempervivum 'Silverine'

Sempervivum 'Red Beauty'

SEMPERVIVUM (HENS & CHICKS)

Sempervivum

'CARMEN'

Height: 2 to 8 in. (5 to 20 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Emerald green succulent leaves with bright red tips.

'COMMANDER HAY'

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

Clumps of red and green rosettes.

'KALINDA'

Height: 2 to 8 in. (5 to 20 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 9b

Large succulent leaves held in tight green heads with blood-red tips.

'RED BEAUTY'

Height: 4 in. (10 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

- Dense rosettes are red in Summer and turn burgundy in cold weather.
- Color may vary from season to season.
- Produces clusters of light pink flowers in mid-Summer.

'ROYAL RUBY'

Height: 3 to 4 in. (8 to 10 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Forms dense mats of dark wine-red foliage.

'RUBY HEART'

Height: 2 to 8 in. (5 to 20 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Rosettes start red, turning green with red margins as they grow.

'SILVERINE'

Height: 3 to 4 in. (8 to 10 cm)
Bloom Months: June to September
USDA Hardiness Zones: 3a to 8b

Muted green foliage with red overtones.

SEMPERVIVUM (HENS & CHICKS)

Sempervivum 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 'Clifford Moor'

Solidago Little Lemon

Stachys 'Silver Carpet'

Solidago 'Fireworks'

© The John Henry Company

Stachys 'Helene Von Stein'

SILENE (CAMPION)

Silene dioica

'CLIFFORD MOOR'

Height: 18 in. (46 cm)
Bloom Months: May to July
USDA Hardiness Zones: 5a to 8b

Variegated leaves with deep green centers and creamy gold margins. Single pink flowers.

SOLIDAGO (GOLDENROD)

Solidago

LITTLE LEMON

PLANTHAVEN, INC.

Height: 12 to 18 in. (30 to 46 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b
'Dansolitlem' PP17,297

Compact, well-branched plants completely 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, multibranched panicles.

STACHYS (LAMB'S EAR)

Stachys byzantia

'HELENE VON STEIN'

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

- Clump-forming habit with big, broad leaves.
- Velvety-soft, greenish-silver foliage.
- Great for edging, border gardens and containers.

'SILVER CARPET'

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

Drought-tolerant, low-growing and spreading variety with soft and fuzzy, oval, gray-white leaves.

STACHYS (LAMB'S EAR)

Stachys monnieri

'HUMMELO'

Height: 20 in. (51 cm)
Bloom Months: June to July
USDA Hardiness Zones: 4a to 8b

Compact clumps of textured, glossy green foliage with spikes of purple flowers.

Stachys 'Hummelo'

Stevia rebaudiana

Teucrium chamaedrys

Thymus 'Albiflorus' Thyme

Thymus 'Coccineus' Creeping Thyme

Thymus Highland Cream Thyme

Thymus 'Pseudolanuginosus' Woolly Thyme

STEVIA (STEVIA)

Stevia rebaudiana

Height: 24 in. (61 cm)
Bloom Months: None
USDA Hardiness Zones: 9a to 11

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

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' THYME

Height: 2 in. (5 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

Low-growing habit with green leaves and white flowers.

'COCCINEUS' CREEPING THYME

Height: 2 to 4 in. (5 to 10 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Low-growing perennial with small, elliptical green leaves and fuchsia-red blooms in Summer.

HIGHLAND CREAM THYME

Height: 2 to 4 in. (5 to 10 cm)
Bloom Months: None
USDA Hardiness Zones: 5 to 9
'Hartington Silver'

Also known as 'Hartington Silver'. Small green leaves with creamy white margins and tiny flowers of palest pink in late Spring.

'PSEUDOLANUGINOSUS' WOOLLY THYME

Height: 2 to 4 in. (5 to 10 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Woolly creeper with gray foliage and white flowers; good for dry locations.

Thymus 'Elfin' Thyme

Thymus 'Magic Carpet' Thyme

Thymus 'Pink Chintz' Thyme

Thymus French Thyme

THYMUS (THYME)

Thymus serpyllum

'ELFIN' THYME

Height: 1 in. (3 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

Tight, creeping groundcover with mats of tiny, dark green foliage and pink flowers in Summer.

'MAGIC CARPET' THYME

Height: 2 in. (5 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

Tiny pink flowers float over mats of green, slightly hairy foliage.

'PINK CHINTZ' THYME

Height: 1 in. (3 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

Mat-forming creeper with tiny green leaves and pink flowers.

THYMUS (THYME)

Thymus vulgaris

ENGLISH THYME

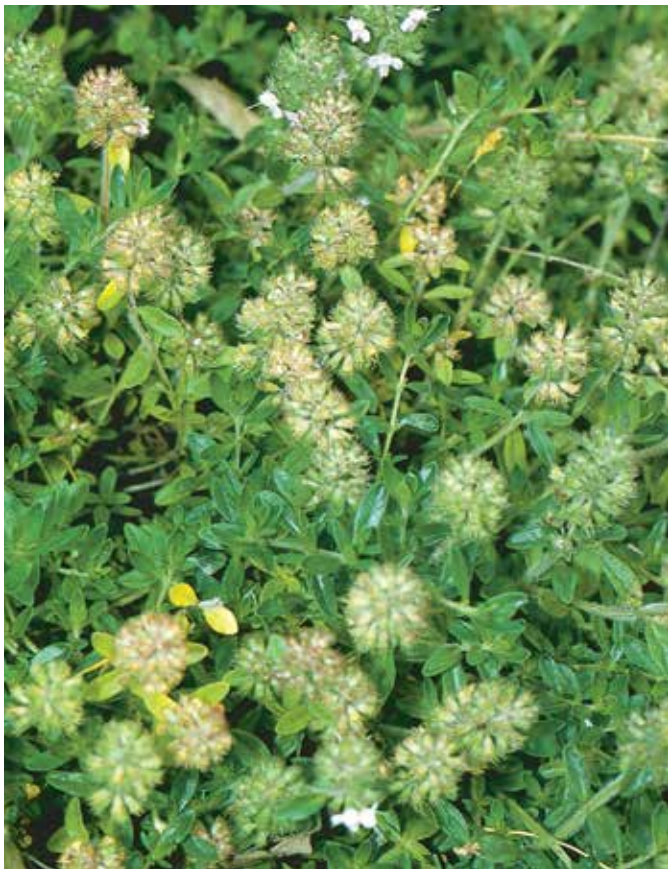
Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

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

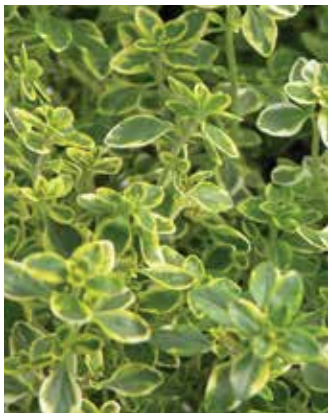
FRENCH THYME

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

Purple to white flowers with narrow, fragrant green leaves.

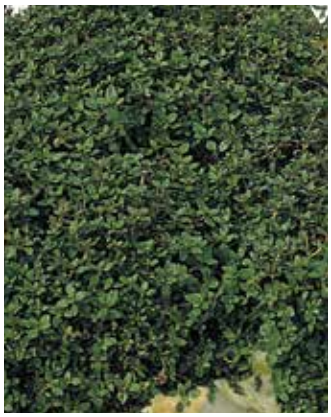


Thymus English Thyme



Thymus Golden Lemon Thyme

Thymus 'Doone Valley' Creeping Thyme



Thymus Lemon Thyme

Thymus Orange Thyme

Thymus Silver Edged Thyme

© MasterTag

Thymus 'Silver King' Thyme

© MasterTag

Thymus 'Spicy Orange' Thyme

Thymus 'Variegatus' Thyme

THYMUS (THYME)

Thymus citriodorus

GOLDEN LEMON THYME

Height: 4 in. (10 cm)
Bloom Months: None
USDA Hardiness Zones: 6a to 9b

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

'DOONE VALLEY' CREEPING THYME

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 between stepping stones and rock gardens.

LEMON THYME

Height: 8 in. (20 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Lemon-scented green leaves and lavender-pink flowers.

ORANGE THYME

Height: 12 in. (30 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Orange or citrus-scented green leaves and lavender-pink flowers.

SILVER EDGED THYME

Height: 4 in. (10 cm)
Bloom Months: None
USDA Hardiness Zones: 4a to 9b

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

'SILVER KING' THYME

Height: 4 to 5 in. (10 to 13 cm)
Bloom Months: None
USDA Hardiness Zones: 7a to 9b

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

'SPICY ORANGE' THYME

Height: 2 to 4 in. (5 to 10 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

Needlelike leaves with a spicy orange scent; soft lavender flowers in late Spring.

'VARIEGATUS' THYME

Height: 4 in. (10 cm)
Bloom Months: None
USDA Hardiness Zones: 5a to 9b

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

Verbena 'Lollipop'

Veronica 'Charlotte'

Verbena 'Homestead Purple'

© The John Henry Company

Veronica 'Red Fox'

Veronica Venice Blue

VERBENA
(VERVAIN)
Verbena bonariensis

'LOLLIPOP'

Height: 24 in. (61 cm)
Bloom Months: May to frost
USDA Hardiness Zones: 7a to 11

Tender perennial has unique dwarf form with lavender-blue flowers.

VERBENA
(VERVAIN)
Verbena canadensis

'HOMESTEAD PURPLE'

Height: 6 to 10 in. (15 to 25 cm)
Bloom Months: May to frost
USDA Hardiness Zones: 6a to 9b

Small, deep purple flowers on vigorous, mounded plants.

VERONICA
(SPEEDWELL)
Veronica austriaca

VENICE BLUE

FLORENSIS, B.V.

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 variety makes an excellent season extender!
- Requires less vernalization than other *austriaca* types.
- Strong, upright stems for outstanding show at retail and in the garden.
- Early Spring-flowering variety loves heat.

VERONICA
(SPEEDWELL)
Veronica longifolia

'CHARLOTTE'

RIJNBEEK & ZN, B.V.

Height: 24 to 33 in. (61 to 84 cm)
Bloom Months: June to September
USDA Hardiness Zones: 4a to 9b
PPAF

Bright white flower spikes against white and green variegated foliage.

VERONICA
(SPEEDWELL)
Veronica spicata

'RED FOX'

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

Produces rose-red spikes in Summer.

ROYAL CANDLES

PLANTHAVEN, INC.

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.

'SUNNY BORDER BLUE'

Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b

Long display of vivid blue flower spikes atop dark green leaves.

Veronica Royal Candles

Veronica 'Sunny Border Blue'

Veronica First Glory

Veronica First Kiss

Veronica First Lady

Veronica First Love

Veronica First Match

Veronica First Memory

VERONICA (SPEEDWELL)

Veronica longifolia

FIRST GLORY

RENE VAN GAALEN, B.V.

Height: 16 to 22 in. (41 to 56 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 4a to 8b
'Alllord' PP23,294

- Compact, highly uniform plants.
- Short, thick spikes of deep blue flowers.
- Vernalization not required.

FIRST KISS

NEW FOR 2018
RENE VAN GAALEN, B.V.

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 4a to 9b
'Allkiss' PPAF

- Pretty pink addition to the First collection.
- Long flowering.
- Vernalization not required.

FIRST LADY

RENE VAN GAALEN, B.V.

Height: 16 to 22 in. (41 to 56 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 4a to 8b
'Alllady' PP23,271

- Compact plant habit.
- Sturdy, white flower spikes.
- Vernalization not required.

FIRST LOVE

RENE VAN GAALEN, B.V.

Height: 22 in. (56 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 4a to 9b
'Allove' PPAF

- Uniform, short spikes of brilliant pink flowers.
- Short and well-branched plants.
- Excellent flower canopy without vernalization.

FIRST MATCH

NEW FOR 2018
RENE VAN GAALEN, B.V.

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 4a to 9b
'Allvglove' PPAF

- Attractive dark pink addition to the First collection.
- Long flowering.
- Vernalization not required.

FIRST MEMORY

NEW FOR 2018
RENE VAN GAALEN, B.V.

Height: 22 to 24 in. (56 to 61 cm)
Bloom Months: Late Spring to Summer
USDA Hardiness Zones: 4a to 9b
'Allv1461' PPAF

- Nice, soft blue addition to the First collection.
- Long flowering.
- Vernalization not required.

MOODY BLUES®

DARWIN PERENNIALS

Veronica Moody Blues Dark Blue

PROGRAMMABLE AND EASY TO PRODUCE: MUSIC TO A GROWER'S EARS!

Veronica Moody Blues Dark Blue

Veronica Moody Blues Mauve

Veronica Moody Blues Pink

Veronica Moody Blues Sky Blue

Veronica Moody Blues White

Veronica 'Blue Skywalker'

VERONICA (SPIKE SPEEDWELL)

Veronica hybrida

MOODY BLUES® SERIES

DARWIN PERENNIALS

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

Compact series of first-year-flowering Veronica.

- Excellent 1-gallon 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 required.

Noted for superior performance by Colorado State University trial in 2015.

Dark Blue 'Novaverblu' PP26,602
Mauve 'Novavermau' PP26,621
Pink 'Novaverpin' PP25,748
Sky Blue 'Novaversky' PP27,835
White 'Novaverwhi'

VERONICA (SPEEDWELL)

Veronica longifolia

'BLUE SKYWALKER'

NEW FOR 2018
WALTERS GARDENS

Height: 28 to 30 in. (71 to 76 cm)
Bloom Months: Summer
USDA Hardiness Zones: 4a to 9b
PPAF

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.

NEW FOR 2018

Veronica 'Perfectly Picasso'

VERONICA
(SPEEDWELL)
Veronica longifolia

'PERFECTLY PICASSO'

NEW FOR 2018
WALTERS GARDENS

Height: 22 to 26 in. (56 to 66 cm)
Bloom Months: Summer
USDA Hardiness Zones: 4a to 9b
PPAF

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.

'ROYAL REMBRANDT'

NEW FOR 2018
WALTERS GARDENS

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

Discover your new Speedwell staple! Violet-purple flowers cover the top half of the plant, showcasing its dark green foliage. A remontant variety; sheering will encourage reblooming later in the season.

NEW FOR 2018

Veronica 'Royal Rembrandt'

'VERY VAN GOGH'

NEW FOR 2018
WALTERS GARDENS

Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: Summer
USDA Hardiness Zones: 4a to 8b
PPAF

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
(SPEEDWELL)
Veronica x hybrida

'PURPLEICIOUS'

DARWIN PERENNIALS

Height: 16 to 20 in. (41 to 51 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b
PP17,639

- Long-blooming variety with intense purple flowers and dark green foliage.
- Well-branched plants have a strong, tidy habit.
- Very healthy, disease-free cultivar.

NEW FOR 2018

Veronica 'Very Van Gogh'

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.

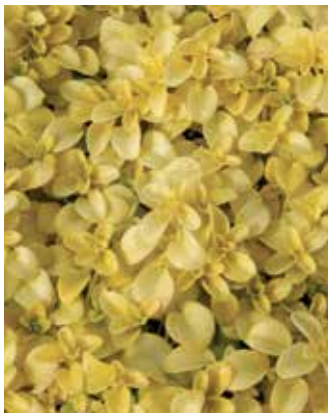
DARWIN PERENNIALS

Veronica 'Purpleicious'

Veronica 'Giles Van Hees'

Veronica 'Waterperry Blue'

Veronica 'Georgia Blue'


Veronica 'Sunshine'

Vinca 'Bowles Cunningham'

Veronica 'Whitewater'

Veronica Goldwell

© Image Botanica
Vinca 'Illumination'

VERONICA (SPEEDWELL)
Veronica peduncularis

'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.

'WHITEWATER'

CHICAGOLAND GROWS, INC.

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' produces bright white flowers on burgundy-green foliage.

'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.

VERONICA (SPEEDWELL)
Veronica prostrata

GOLDWELL

MUST HAVE PERENNIALS™

Height: 4 in. (10 cm)
Bloom Months: June to September
USDA Hardiness Zones: 5a to 9b
'Verbrig' PP17,423

Blue-purple flowers over narrow green leaves edged in gold.

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.

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*.

'ILLUMINATION'

PLANTHAVEN, INC.

Height: 4 in. (10 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 9b
PP12,132

Popular, low-growing, evergreen groundcover has variegated foliage and small, light lavender-blue flowers in Spring.

HALO

DARWIN PERENNIALS

Viola Halo Lemon Frost

HEAVENLY BICOLOR BLOOMS LAST THROUGH THE SUMMER AND COME BACK IN SPRING.

Viola Halo Lilac

Viola Halo Lemon Frost

Viola Halo Violet

Viola 'Etain'

Viola Halo Sky Blue

VIOLA
(VIOLET)
Viola cornuta

HALO SERIES

DARWIN PERENNIALS

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: February to April, September to October
USDA Hardiness Zones: 5a to 9b

Excellent hardiness for long-lasting garden enjoyment.

- Very heat-tolerant.
- No vernalization required.
- Oversummers and overwinters.
- Larger flowers than Celestial.

Lemon Frost 'Halo Lemon Frost' PP26,383
Lilac 'Halo Lilac' PP24,542
Sky Blue 'Halo Sky Blue' PP24,541
Violet 'Halo Violet' PP24,428

'ETAIN'

Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: February to October
USDA Hardiness Zones: 5a to 9b

Compact variety flowers profusely in Spring and Fall with large, fragrant, bicolor blooms.

DARWIN PERENNIALS

Viola Jumping Jack

Viola Celestial Blue Moon

Viola Celestial Northern Lights

Viola Celestial Starry Night

Viola Celestial Twilight

VIOLA (VIOLET)

Viola cornuta

CELESTIAL™ SERIES

PLANTHAVEN, INC.

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.
- Overwinters and oversummers.
- Heat-tolerant, highly scented varieties bloom all Summer.
- No vernalization required.

Blue Moon 'SMEV1' PP19,882
Northern Lights 'SMEV4' PP24,591
Starry Night 'Lord Primrose' PP18,253
Twilight 'SMEV3' PP24,592

JUMPING JACK

DARWIN PERENNIALS

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: February to April, September to October
USDA Hardiness Zones: 5a to 9b
'Balvijac' PP21,084

- Excellent landscape performer.
- Extremely floriferous, continuously blooming variety.
- Good for Summer bedding, perennial borders and mixed containers.
- Much better heat tolerance than traditional violas.

VIOLA (VIOLET)

Viola pubescens

'REBECCA CAWTHORNE'

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

Fragrant purple flowers splashed with white; sporadic reblooming.

WALDSTEINIA (BARREN STRAWBERRY)

Waldsteinia ternata

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

Dense mats of semi-evergreen, strawberry-like foliage with yellow flowers.

Viola 'Rebecca Cawthorne'

Waldsteinia ternata

CULTURE GUIDE

A HANDY REFERENCE TO HELP YOU GROW THE FINEST PERENNIALS IN THE INDUSTRY.

GROWER RESOURCES & FINISHING TRIALS

USE OUR HELPFUL PRODUCTION AND FINISHING INFORMATION TO GROW AND SHIP THE BEST-QUALITY PLANTS.

Top to Bottom: Salvia 'Blue Marvel' , Lavender SuperBlue, Heliopsis 'Sunstruck'

FROM START TO FINISH

We are working to provide solutions for your growing challenges. Resources like our finished culture research program at our facility in West Grove, PA, provide detailed schedules and finishing protocols for many of our Darwin Perennials varieties. We offer this information to give you everything you need to schedule flowering perennials for Spring, Summer and early Fall finishing. Our goal is to help you bring fresh, flowering plants to retail when you want them.

These protocols do not require specialized growing environments, and these varieties respond consistently to these schedules. We have completed close to 50 variety specific culture trials from 2014 through 2016, and are continuing in 2017. You can review these easy-to-use schedules along with even more culture and grower support information at **darwinperennials.com**.

Salvia 'Blue Marvel'

Specifics:
- Container: 2.5 qt.
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Salvia 'Blue Marvel': Finishing trials

Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 9	Week 13	Week 19
Transplant to 2.5 qt.	Week 17	Week 19	Week 25
Weeks to first color	Week 27	Week 24	Week 29
Peak color	Week 30	Week 26	Week 30
Weeks to first color	10	5	4

Achillea New Vintage Rose

Specifics:
- Container: 2.5 qt.
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Varieties:
- Red
- Rose
- Violet
- White

Achillea New Vintage™: Finishing trials

Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 10	Week 14	Week 20
Transplant to 2.5 qt.	Week 15	Week 19	Week 25
Weeks to first color	Week 24	Week 28	Week 30
Peak color	Week 27	Week 31	Week 32
Weeks to first color	9	9	5

Darwin Perennials Propagation Guide

PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE
8		**ACHILLEA** *Achillea hybrida*	Moon Dust	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA
10, 12		**ACHILLEA** *Achillea millefolium*	New Vintage™ Series, Song Siren™ Series	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA
13		**AGASTACHE** *Agastache rugosa*	Little Adder	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
16		**ALYSSUM** *Alyssum wulfenianum*	Golden Spring	EC 0.80-1.0 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
17		**ARMERIA** *Armeria pseudoarmeria*	Dreameria™ Series	EC 0.8 mmhos/pH 5.8-6.2	70-74°F (21-23°C)	1,500-2,500 ppm IBA
19		**BUDDLEIA** *Buddleia davidii*	Berry Fizz	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA
20, 21		**BUDDLEIA** *Buddleia davidii*	Blaze Pink, CranRazz, True Blue	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA
24		**CAMPANULA** *Campanula x hybrida*	Iridescent Bells	EC 0.80-1.0 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA
24		**CARYOPTERIS** *Caryopteris x clandonensis*	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
25		**CENTAUREA** *Centaurea montana*	Lavender Mist	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA
26		**COREOPSIS** *Coreopsis grandiflora*	Sunny Day	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA
27		**COREOPSIS** *Coreopsis hybrida*	Little Bird	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA
*		**COREOPSIS** *Coreopsis hybrida*	UpTick™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA
26, 27		**COREOPSIS** *Coreopsis verticillata*	Crème Caramel, Sylvester	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA
**		**DIANTHUS** *Dianthus hybrida*	Mountain Frost™ Collection	EC 0.8 mmhos/pH 5.8-6.2	68-70°F (20-21°C)	500 ppm IBA

* See DarwinPerennials.com
** See front section

	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	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.	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	50-75 ppm N	Recommended.	35-42 days after sticking	Do not over-mist. Long days in propagation will hasten rooting and plant development.
	Low	50-75 ppm N	Recommended.	35-42 days after sticking	Do not over-mist. Long days in propagation will hasten rooting and plant development.
	Low to moderate	50-75 ppm N after 14 days	Not necessary.	35-42 days after sticking	Campanula typically have longer leaf petioles. Avoid dehydration during the first 3 days after sticking, then use a low to moderate mist regime. Avoid sticking cuttings too deep so that growing tip is exposed.
	Low to moderate	50-75 ppm N	Not necessary in liner stage.	35-42 days after sticking	Discontinue mist as quickly as possible once rooting occurs.
	Low	50-75 ppm N	Not necessary.	35-42 days after sticking	Use low mist and media moisture levels to avoid stem rot.
	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 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.
	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 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.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE
31		**DIGITALIS** *Digitalis hybrida*	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
32, 34		**ERYSIMUM** *Erysimum linifolium*	Bowles Me Away, Cheers™ Series	EC 0.8 mmhos/pH 5.8-6.2	68-70°F (20-21°C)	500 ppm IBA
35		**EUPATORIUM** *Eupatorium dubium*	Little Joe	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
35		**EUPHORBIA** *Euphorbia amygdaloides*	Red Velvet	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA
39		**GAURA** *Gaura lindheimeri*	Ballerina™ Series, Belleza™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	68-73°F (20-23°C)	500 ppm IBA
40		**GAURA** *Gaura lindheimeri*	Little Janie, Whiskers Deep Rose	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-23°C)	500 ppm IBA
42		**HELIANTHUS** *Helianthus salicifolius*	Autumn Gold	EC 0.8 mmhos/pH 5.8-6.2	70-74°F (21-23°C)	500 ppm IBA
43, 46		**HELIOPSIS** *Heliopsis helianthoides*	Double Sunstruck, Sunstruck	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA
47		**IBERIS** *Iberis amara*	White Heat	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
47		**IBERIS** *Iberis gibraltarica*	Lavish	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
48		**IBERIS** *Iberis sempervirens*	Snowsation	EC 0.8 mmhos/pH 5.8-6.2	68-72°F (20-22°C)	300 ppm IBA
51		**LAVANDULA** *Lavandula angustifolia*	SuperBlue	EC 0.75-0.80 mmhos/pH 5.9-6.2	70-72°F (21-22°C)	500 ppm IBA
53, 54		**LAVANDULA** *Lavandula stoechas*	Anouk Series, Bright Luxurious, Luxurious	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
57		**LEUCANTHEMUM** *Leucanthemum x superbum*	Santé	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA
56		**LEUCANTHEMUM** *Leucanthemum x superbum*	White Magic	EC 0.8 mmhos/pH 5.8-6.4	68-74°F (20-23°C)	500 ppm IBA

	MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
	Low to moderate	50-75 ppm N	Not typical in propagation.	42-49 days after sticking	Foxlight 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	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	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). Remove flowers in propagation.
	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.
	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 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.
	Low to moderate	50-75 ppm N when roots become visible.	Recommended after roots are established. Leave 4-5 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.
	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 depending on number of pinches	Iberis benefit from a basal IBA dip prior to sticking. Do not over-mist or high losses can occur.
	Low; prefers high humidity to 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 to 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	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.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
60		**MONARDA** *Monarda didyma*	Balmy™ Series	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
63		**NEPETA** *Nepeta x faassenii*	Junior Walker	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500-1,000 ppm IBA	
66		**PENSTEMON** *Penstemon barbatus*	Rock Candy® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
70		**PENSTEMON** *Penstemon hybrida*	Little Bells	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
68, 69		**PENSTEMON** *Penstemon hybrida*	Cherry Sparks, Quartz® Amethyst, Quartz® Rose	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
68		**PENSTEMON** *Penstemon hybrida*	MissionBells™ Deep Rose	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
72, 73		**PEROVSKIA** *Perovskia atriplicifolia*	CrazyBlue, Little Lace	EC 1.0-1.25 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
76		**PHLOX** *Phlox paniculata*	Cherry Cream	EC 0.8 mmhos/pH 5.8-6.2	68-74°F (20-23°C)	500 ppm IBA	
81		**RHODANTHEMUM** *Rhodanthemum hosmariense*	Casablanca, Marrakech	EC 0.80-1.0 mmhos/pH 5.8-6.2	68-74°F (20-23°C)	300 ppm IBA	
84		**SALVIA** *Salvia greggii*	Mirage™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
87		**SALVIA** *Salvia greggii*	Radio Red	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
87		**SALVIA** *Salvia greggii*	Suncrest Series, Suncrest Landscape Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
86		**SALVIA** *Salvia hybrida*	Arctic Blaze® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
89		**SALVIA** *Salvia nemorosa*	Blue Marvel	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
90, 91		**SALVIA** *Salvia nemorosa*	Burgundy Candles, Lyrical™ Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	

	MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
	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	Recommended.	35-42 days after sticking	Roots quickly. Plan to pinch in liner tray.
	Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N	Recommended.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N	Recommended.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N	Recommended.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N	Recommended.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate to high for first 24 hours, then reduce to low.	50-75 ppm N after 10 days	Recommended.	35-42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	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.
	Moderate	75-100 ppm N when roots become visible; increase to 150–200 ppm N as roots develop.	Recommended after roots are established.	35-42 days after sticking	Use low mist settings; do not over-saturate 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	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.
	Low to 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.
	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 75-100 ppm N.

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PAGE		CROP	SERIES/VARIETY	MEDIA EC/PH	SOIL TEMPERATURE	ROOTING HORMONE	
*		**SALVIA** *Salvia nemorosa*	Rose Marvel	EC 0.8 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA basal dip	
94		**SCABIOSA** *Scabiosa columbaria*	Flutter™ Series	EC 0.8 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	1,000 ppm IBA	
104		**VERONICA** *Veronica austriaca*	Venice Blue	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
106		**VERONICA** *Veronica hybrida*	Moody Blues® Series	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
108		**VERONICA** *Veronica x hybrida*	Purpleicious	EC 0.75-0.80 mmhos/pH 5.8-6.2	70-72°F (21-22°C)	500 ppm IBA	
111, 112		**VIOLA** *Viola cornuta*	Halo Series, Jumping Jack	EC 0.80-1.0 mmhos/pH 5.5-5.8	70-72°F (21-22°C)	500-750 ppm IBA	

* See DarwinPerennials.com

	MIST	FERTILIZATION	PINCHING	TRANSPLANTING	COMMENTS
	Low	50-75 ppm starting 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 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.
	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.
	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.

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PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT CANDLES	WATERING	FERTILIZATION
8		**ACHILLEA** *Achillea hybrida*	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.
10		**ACHILLEA** *Achillea millefolium*	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.
12		**ACHILLEA** *Achillea millefolium*	Song Siren™ 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.
13		**AGASTACHE** *Agastache rugosa*	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.
16		**ALYSSUM** *Alyssum wulfenianum*	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.
17		**ARMERIA** *Armeria pseudoarmeria*	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.
19		**BUDDLEIA** *Buddleia davidii*	Berry Fizz	5.5-6.2	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 slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm N.
21		**BUDDLEIA** *Buddleia davidii*	CranRazz	5.5-6.2	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 slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.
20		**BUDDLEIA** *Buddleia davidii*	True Blue	5.5-6.2	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 slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.
20		**BUDDLEIA** *Buddleia hybrida*	Blaze Pink	5.5-6.2	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 slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.
24		**CAMPANULA** *Campanula x hybrida*	Iridescent Bells	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.	3,500 to 4,000	Allow media to dry evenly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.
24		**CARYOPTERIS** *Caryopteris x clandonensis*	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.
25		**CENTAUREA** *Centaurea montana*	Lavender Mist	5.8-6.2	Nights: 45 to 50°F (7 to 10°C) Days: 55 to 60°F (13 to 16°C)	Day length neutral	Beneficial for heavier Spring flowering.	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
26		**COREOPSIS** *Coreopsis grandiflora*	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.
27		**COREOPSIS** *Coreopsis hybrida*	Little Bird	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 fertilization at 150 to 200 ppm N.

PINCHING AFTER TRANSPLANT	PLANT GROWTH REGULATORS	PESTS AND FUNGAL DISEASES	CROP SCHEDULE & USES					
			1-QT. (10-CM) POT, 1 PLANT PER POT	1-GAL. (15-CM) POT, 1 PLANT PER POT	2 TO 3-GAL. (25 TO 30-CM) POT, 3 PLANTS PER POT	HEIGHT	USDA HARDINESS ZONES	BLOOM MONTHS
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
Generally 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	12-14 in. (30-36 cm)	4-9	June to July
Generally 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	20-22 in. (51-56 cm)	4-9	June to July
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	June 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
None	PGRs generally not needed	Watch for crown rot if overwatered	10-12 wks	14-16 wks	16-18 wks	10-12 in. (25-30 cm)	6-9	March to October
Recommended	PGRs generally not needed	Aphids, thrips, spider mites	Not recommended	Unrooted: 20-22 wks Rooted: 14-16 wks	Unrooted 22-24 wks. Rooted: 16-18 wks	48-60 in. (122-152 cm)	5-10	May to September
Recommended	PGRs generally not needed	Aphids, thrips, spider mites	Not recommended	Unrooted: 20-22 wks Rooted: 14-16 wks	Unrooted: 22-24 wks Rooted: 16-18 wks	60-72 in. (152-183 cm)	5-10	May to September
Recommended	PGRs generally not needed	Aphids, thrips, spider mites	Not recommended	Unrooted: 20-22 wks Rooted: 14-16 wks	Unrooted 22-24 wks. Rooted: 16-18 wks	61-73 in. (155-185 cm)	5-10	May to September
Recommended	PGRs generally not needed	Aphids, thrips, spider mites	Not recommended	Unrooted: 20-22 wks Rooted: 14-16 wks	Unrooted 22-24 wks Rooted: 16-18 wks	62-74 in. (157-188 cm)	5-10	May to September
None	PGRs generally not needed	Aphid, spider mite, leaf spots, Rhizoctonia crown rot	Not recommended	Unrooted: 20-22 wks Rooted: 14-16 wks	Unrooted 22-24 wks Rooted: 16-18 wks	24-30 in. (61-76 cm)	5-8	April to September
None	PGRs generally not needed	Spider mite	Not recommended	Rooted: 12 to 14 wks	Rooted: 14 wks	48 in. (122 cm)	6-9	August to October
None	PGRs generally not needed	Thrips, white fly, spider mites. Can be sensitive to crown and root rot when overwatered.	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)	16-18 in. (41-46 cm)	4-9	April to June
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
Recommended	PGRs generally not needed	Manage soil moisture to avoid root diseases. Keep good air movement to control powdery mildew. Aphids	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)	5-9	June to September

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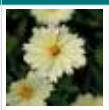
PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT CANDLES	WATERING	FERTILIZATION
*		**COREOPSIS** *Coreopsis hybrida*	UpTick™ Series	5.8-6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	Day length neutral	No	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
26		**COREOPSIS** *Coreopsis verticillata*	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.
27		**COREOPSIS** *Coreopsis verticillata*	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 fertilization at 150 to 200 ppm N.
**		**DIANTHUS** *Dianthus hybrida*	Mountain Frost™ Pink Carpet, Pink PomPom, Pink Twinkle	5.8-6.2	45-60°F (7-16°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.
**		**DIANTHUS** *Dianthus hybrida*	Mountain Frost™ Rose Bouquet	5.8-6.2	45-60°F (7-16°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.
**		**DIANTHUS** *Dianthus hybrida*	Mountain Frost™ Silver Strike	5.8-6.2	45-60°F (7-16°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.
**		**DIANTHUS** *Dianthus hybrida*	Mountain Frost™ White Twinkle	5.8-6.2	45-60°F (7-16°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.
31		**DIGITALIS** *Digitalis hybrida*	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.
**		**ECHINACEA** *x hybrida*	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.
**		**ECHINACEA** *x hybrida*	Sombrero® Series	5.8–6.2	60 to 68°F (16 to 20°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 N.
34		**ERYSIMUM** *Erysimum linifolium*	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	150-175 ppm N
32		**ERYSIMUM** *Erysimum linifolium*	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
35		**EUPATORIUM** *Eupatorium dubium*	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.

* See DarwinPerennials.com
** See front section

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	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
None	Not necessary.	Not particularly sensitive	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)	5-9	March to October
None	Not necessary.	Not particularly sensitive	18-20 wks, including 6 wks below 50°F (10°C)	20-22 wks, including 6 wks below 50°F (10°C)	Not recommended	10-12 in. (25-30 cm)	5-9	March to October
None	Not necessary.	Not particularly sensitive	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)	5-9	March to October
None	Not necessary.	Not particularly sensitive	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)	5-9	March to October
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	April to September; Natural season flowering
None	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. (56-60 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	12-14 wks	22-24 in. (56-60 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	12-16 in. (30-41 cm)	6-8	March to September
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	August to September

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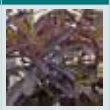
PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT CANDLES	WATERING	FERTILIZATION
35		**EUPHORBIA** *Euphorbia amygdaloides*	Red Velvet	5.6-6.5	Nights: 50 to 55°F (10 to 13°C) Days: 55 to 60°F (13 to 16°C)	Short day obligate	Beneficial; aids bulking.	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.
39		**GAURA** *Gaura lindheimeri*	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.
40		**GAURA** *Gaura lindheimeri*	Little Janie, 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.
42		**HELIANTHUS** *Helianthus salicifolius*	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
43, 46		**HELIOPSIS** *Heliopsis helianthoides*	Double Sunstruck, 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.
4		**HEUCHERA** *Heuchera x hybrida*	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.
47		**IBERIS** *Iberis amara*	White Heat	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	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.
47		**IBERIS** *Iberis gibraltarica*	Lavish	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	Yes	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
48		**IBERIS** *Iberis sempervirens*	Snowsation	5.8-6.2	45-60°F (7-16°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.
51		**LAVANDULA** *Lavandula angustifolia*	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.
53, 54		**LAVANDULA** *Lavandula stoechas*	Anouk Series, Bright Luxurious, 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.
57		**LEUCANTHEMUM** *Leucanthemum x superbum*	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.
56		**LEUCANTHEMUM** *Leucanthemum x superbum*	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.

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	Watch for powdery mildew in Fall. White fly, spider mites	Unrooted: 14-16 wks Rooted: 8-10 wks	Unrooted: 16-19 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	18-20 in. (46-51 cm)	6-10	March to May
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	Ballerina: April to September, Belleza: May 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	Little Janie: 16-18 in. (41-46 cm) Whiskers Deep Rose: 14-16 in. (36-41cm)	6-9	April to September
Typically not necessary if plants were pinched in the liner.	Typically not necessary	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	Double Sunstruck: May to July Sunstruck: June to August
None	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	10-12 in. (25-30 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	8-10 in. (20-25 cm)	7-10	January to August
Recommended	PGRs generally not needed	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	April to August
Only if pinching not done in the liner stage.	Not typically needed	Not particularly sensitive	24 wks; requires vernalization	24 wks; requires vernalization	Not recommended	6-8 in. (15-20 cm)	4-9	March to April
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	June to August
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) Silver Anouk: 20-24 in. (51-61 cm)	6-9	Anouk: March to September Bright Luxurious, Luxurious: March to July
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
Generally not necessary.	B-Nine/ Cycocel at 1,800/800 will reduce plant height	Watch for Aphids when in bud	Not recommended	8-10 wks from rooted liner	10-12 wks from rooted liner	20-24 in. (51-61 cm)	5-9	May to August

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6		**MISCANTHUS** *Miscanthus sinensis*	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
6		**MISCANTHUS** *Miscanthus sinensis*	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
60		**MONARDA** *Monarda didyma*	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; aids in bulking and early 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.
63		**NEPETA** *Nepeta x faassenii*	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.
66		**PENSTEMON** *Penstemon barbatus*	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 125 to 150 ppm.
70		**PENSTEMON** *Penstemon hybrida*	Little Bells	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.
69		**PENSTEMON** *Penstemon hybrida*	Quartz® Amethyst, Quartz® Rose	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.
68		**PENSTEMON** *Penstemon hybrida*	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.
68		**PENSTEMON** *Penstemon hybrida*	MissionBells™ Deep Rose	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.
72, 73		**PEROVSKIA** *Perovskia atriplicifolia*	CrazyBlue, 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.
76		**PHLOX** *Phlox paniculata*	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.
81		**RHODANTHEMUM** *Rhodanthemum hosmariense*	Casablanca, Marrakech	5.8-6.2	Nights: 45 to 50°F (7 to 10°C) Days: 55 to 60°F (13 to 16°C)	Day length neutral	Beneficial; increases Spring flowering.	3,500 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
84		**SALVIA** *Salvia greggii*	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.
87		**SALVIA** *Salvia greggii*	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
No	None	Rust resistant	8-10 wks	14-16 wks	20-24 wks, 1 plant per pot	30 to 36 in. (76 to 91 cm)	5-9	October to November
No	None required	Rust resistant	8-10 wks	14-16 wks	20-24 wks, 1 plant per pot	72 to 102 in. (183 to 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
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
Yes	PGRs generally not needed	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	12 in. (30 cm)	6-8	June to September
Yes	PGRs generally not needed	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 in. (41 cm)	6-9	June to July
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
Yes	PGRs generally not needed	White fly, spider mites	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	18-20 in. (46-51 cm)	5-9	May to August
Yes	PGRs generally not needed	White fly, spider mites	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	20-24 in. (51-61 cm)	5-9	June to August
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	Crazy Blue: 16-18 in. (41-46 cm) Little Lace: 18-24 in. (41-61 cm)	4-9	Crazy Blue: July to August Little Lace: 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	10-12 wks from rooted liner	12-14 wks from rooted liner. Plant 3 ppp.	22-26 in. (56-66 cm)	4-9	June to August
Recommended	B-Nine 1,500 ppm/Cycocel 800 ppm tank mix will reduce petiole stretch.	White fly, spider mites, Botrytis	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 16-18 wks, 1 ppp Rooted: 12-14 wks	Unrooted: 16-18 wks, 3 ppp Rooted: 12-14 wks	Casablanca: 10-12 in. (25-30 cm) Marrakech: 12-14 in. (30-36 cm)	8-10	March to May and September to October
Yes	Generally not needed.	Whitefly, 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

Darwin Perennials Finishing Guide

PAGE		CROP	SERIES/ VARIETY	MEDIA PH	TEMPERATURE	DAYLENGTH	VERNALIZATION REQUIRED	LIGHT LEVELS IN FOOT CANDLES	WATERING	FERTILIZATION
87		**SALVIA** *Salvia greggii*	Suncrest Landscape Series, Suncrest Series	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.
86		**SALVIA** *Salvia hybrida*	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.
89		**SALVIA** *Salvia nemorosa*	Blue Marvel	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 125 to 150 ppm.
91		**SALVIA** *Salvia nemorosa*	Burgundy Candles	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 125 to 150 ppm.
90		**SALVIA** *Salvia nemorosa*	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 125 to 150 ppm.
*		**SALVIA** *Salvia nemorosa*	Rose Marvel	5.8-6.2	55 to 65°F (13 to 18°C)	Day length neutral	Beneficial for bulking but not required for flowering.	5,000 to 8,000	Moderate	Use a balanced fertilizer at a rate of 175 to 200 ppm N.
94		**SCABIOSA** *Scabiosa columbaria*	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.
104		**VERONICA** *Veronica austriaca*	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.
106		**VERONICA** *Veronica hybrida*	Moody Blues® Series	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	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.
108		**VERONICA** *Veronica x hybrida*	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.
111, 112		**VIOLA** *Viola cornuta*	Halo Series, Jumping Jack	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.

* See DarwinPerennials.com

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	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	Suncrest Landscape: 24-36 in. (61-91 cm) Suncrest: 16-24 in. (41-61 cm)	7-11	March to October
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
None	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	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	26-28 in. (66-71 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
Generally 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
Typically not necessary	Typically not necessary	Very disease resistant. Watch for root and crown rot under poor growing conditions.	Not recommended	10-12 wks from rooted liner	10-12 wks from rooted liner	12-14 in. (30-36 cm)	5-9	March to September
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	June to October
Yes	PGRs generally not needed	Aphids, white fly	Not recommended	Unrooted: Plant by week 35 (North), week 40 (South) Rooted: Stick by week 30 (North), week 35 (South)	Unrooted: Plant by week 32 (North), week 37 (South) Rooted: Stick by week 28 (North), week 32 (South)	16-20 in. (41-51 cm)	5-8	June to August
Recommended	PGRs generally not needed	Watch for Thielaviopsis and 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	Halo Series: 8-10 in. (20-25 cm) Jumping Jack: 6-8 in. (15-20 cm)	5-9	February to April, September to October

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.

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 four weeks.

OVERWINTERING

The keys to success when overwintering perennials are:

- Avoid standing water
- Provide adequate air circulation
- Preventative disease treatments
- Dead leaf/tissue removal
- Rodent control
- Low media EC when entering dormancy
- Avoid freeze and thaw cycles

The overwintering area, whether in a field or hoop-house, should be sloped so that rain or other water sources cannot accumulate. In climates where Winter conditions freeze and thaw, cover prior to freeze and uncover as soon as possible. Where temperatures remain below freezing, cover after first freeze and maintain the cover until late Winter or early Spring when weather moderates. Remove dead and abscising leaves from herbaceous perennials like Hosta, Monarda, Heliopsis and dormant Hemerocallis. Apply a broad spectrum fungicide prior to covering or closing hoop houses to reduce disease pressure.

Once weather conditions moderate, be sure to scout for insect and disease problems and respond accordingly. Also, check pH and EC levels in the media. Perennials that emerge from dormancy will begin to grow rapidly, and the lack of adequate nutrition will lead to reduced branching, lower leaf loss and smaller flowers.

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