Welcome to the 2021 Darwin Perennials® catalog. Every year we work to improve our processes and products with a single aim – to support your growing success. Completed just in time for 2021, our latest upgrades at the Darwin Colombia farm are centered on sustaining and extending the quality, reliability and consistency you expect from Darwin Perennials. We’ve added 2.5 acres of new greenhouses and planted them with 350,000 additional stock plants to meet the growing demand for perennials. With our new innovations, Darwin Perennials continues to be a one-stop-shop for all your perennial needs.

Some of the new advancements at the Darwin Colombia farm include the addition of our new elite housing block, which stores pathogen-free materials for all our greenhouses – keeping our crops healthy. Plus, our new cold rooms receive cuttings in less than 15 minutes after harvest for the freshest cuttings possible. Our employees are also enjoying a newly built lunchroom! You’ll sense their pride in every box they pack for you.

After several years of dedicated effort, we are proud to offer our Stage 3 Tissue Culture of Echinacea Sombrero® and Double Scoop™ Series, as well as Heuchera Carnival Series, all easily bookable through WebTrack®. We partner with labs throughout the world to provide high-quality, reliable tissue culture for our most popular varieties – including one of the first perennial All-America Selections Winners, Echinacea Sombrero Baja Burgundy. Contact your Ball Seed Sales Representative to learn how you can utilize this plant form.

For 2021, we are also excited to introduce NEW Lavandula Primavera, one of the fastest-growing classes in the perennial market. Primavera needs no chill for flowering and will allow you to extend the traditional Spanish Lavender window into late Spring and even throughout the Summer, a true breeding breakthrough! Check out page 55 to learn how you can grow your Lavender business this season.

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

Sincerely,

Leland Toering
Sales and Marketing Manager
630 588-3127
LToering@darwinperennials.com
2021 NEW VARIETIES
Here is your first look at our sensational new introductions to our ever-expanding perennial lineup.

DarwinPerennials.

Armeria Dreameria®
‘Dream Clouds’, page 30

Dianthus Mountain Frost™
Ruby Glitter and
Ruby Snow, page 11

Echinacea Sombrero®
Fiesta Orange and Rosada,
page 12

Echinacea Sombrero Poco™ Series, page 13

Lavandula Primavera,
page 55

Leucanthemum
‘Whitecap’, page 59

Nepeta Whispurr™
Series, page 67

Phlox Ka-Pow® White,
page 80

Phlox Super Ka-Pow™
Series, page 81

Salvia Mirage™
Blue and Rose Bicolor,
page 88

DARWIN PERENNIALS VARIETIES
Here’s where to find our Perennials With Staying Power™ in this catalog.

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See inside back cover for full product index.
We are excited to continue our partnership with Walters Gardens, and this year their unbeatable selection of the finest genetics in perennials – spanning across several classes – plus many outstanding new varieties join the lineup:

**NEW Aster ‘Grape Crush’** and **‘Pink Crush’**, page 29

**NEW Buddleia ‘Lilac Cascade’**, page 33

**Leucanthemum ‘Whoops A Daisy’**, page 60

**Nepeta ‘PurrSian Blue’**, page 69

**Perovskia ‘Blue Jean Baby’**, page 77

**NEW Phlox Garden Girls™ Party Girl and ‘Uptown Girl’**, page 82

**NEW Salvia ‘Tidal Pool’**, page 94

**Sedum ‘Little Miss Sunshine’**, page 97

Walters Gardens is a well-recognized North American perennial young plant supplier that offers outstanding varieties as unrooted cuttings out of Darwin Colombia.
We are proud to continue building on our partnership with Must Have Perennials. After years of rigorous trialing and testing, you can count on Must Have Perennials to provide you with only the best.

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

- **Achillea Little Moonshine**, page 21
- **Centaurea ‘Amethyst in Snow’**, page 34
- **Euphorbia ‘Bonfire’**, page 44
- **NEW Lychnis Petit Henri**, page 63
- **Lychnis Petite Jenny**, page 63
- **Polemonium Brise d’Anjou**, page 85
- **Rudbeckia ‘Viette’s Little Suzy’**, page 87

**NEW**

**TRUSTED SUPPLIER**

Euphorbia ‘Bonfire’, p. 44

**MUST HAVE PERENNIALS®**

Bringing innovation to the perennial market, Must Have Perennials offers high-quality unrooted cuttings – available exclusively through Darwin Perennials.
Our long-standing partnership with Florensis allows us to broaden our network and provide the most exciting, innovative varieties on the market. Florensis has been providing professional growers with excellent plant propagation materials and solutions since 1941. We are pleased to offer a wide assortment of their top-quality varieties in this catalog.

Take a look at some of these showstoppers:

- **Achillea Milly Rock™ Series** – Red, Rose and NEW Yellow, page 22
- **Eupatorium Euphoria™ Ruby**, page 43
- **Leucanthemum Ooh La™ LaGrande** and ‘LaSpider’, page 62
- **Salvia Sensation™ Medium Deep Blue** and Deep Rose, page 94
- **Veronica Venice Blue**, page 105
Darwin Colombia continues to provide a reliable supply of outstanding genetics from our unrooted cutting production farm outside of Bogotá. We are focused on investing in the long-term growth of our infrastructure and facilities to support our customers well into the future. This allows us to consistently supply a robust, clean stock program for healthy cuttings and AutoStix® inputs.

Darwin Colombia is committed to facilitating your success. With these ongoing investments, we are poised to provide the highest-quality genetics, in full and on time.

Here are some of our newest features at the farm:

**New Cold Room**
Our new cold room can handle and sustain exact temperature-controlled maintenance of cuttings (including AutoStix) post-harvest, during packing and prior to shipment— for the best possible conditions and the highest-quality cuttings.

Cold chain accurate packing ensures cuttings are transported to the cold room to start cooling within 15 minutes or less of harvest, with each bag individually scanned and allocated to a designated space where it will be carefully monitored until shipment.

**New People**
We are investing in our people, too. With the addition of our new Operations Manager as well as new Growers, Sprayers and Harvesters, we are able to continue improving our production.

**New Construction**
The addition of our new elite stock block allows us to house the elite materials used to fill our production greenhouses with clean/pathogen-free product.

An additional 2.5 acres of newly constructed, state-of-the-art production greenhouses are now available and equipped with ideal conditions for growing perennials.
YOUR LINER SOURCES
ORDER DARWIN PERENNIALS LINERS THROUGH YOUR TRUSTED SUPPLIER

PERENNIAL LINER SUPPLIERS
These suppliers have the fullest assortment of products available from this catalog. Go to WebTrack® at ballseed.com/webtrack for the most complete offering and live availability from Ball Seed’s Supply Network.

Plus, you can download the WebTrack To Go® app from the Apple App Store and Google Play, to track your shipments and see where your orders are anywhere, anytime – for easy planning and scheduling!

Ball Tagawa
Arroyo Grande, CA

Battlefield Farms, Inc.
Rapidan, VA

Creek Hill Nursery
Leola, PA

DeGoede Bulb Farm & Gardens
Mossyrock, WA

DGI Propagators
Hudsonville, MI

Emerald Coast Growers
Pensacola, FL

George Sant & Sons Greenhouses
Kleinburg, ON, Canada

GET Group, Inc.
Woodstock, IL

Green Leaf Plants
(Aris Horticulture)
Smoketown, PA

Gro’ n Sell, Inc.
Chaifont, PA

Gulley Greenhouse, Inc.
Fort Collins, CO

James Greenhouses
Colbert, GA

Jardins Paquette Gardens
Sutton, QC, Canada

Knox Nursery, Inc.
Winter Garden, FL

North Creek Nurseries, Inc.
Landenberg, PA

Pacific Plug & Liner
Watsonville, CA

Plug Connection
Vista, CA

Raker-Roberta’s Young Plants
Litchfield, MI

Skagit Horticulture LLC
Mt. Vernon, WA

Stonehouse Nursery LLC
Berrien Springs, MI

Swift Greenhouses
Gilman, IA

Tagawa Greenhouse
Brighton, CO

Walters Gardens
Zeeland, MI

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DARWIN PERENNIALS TEAM
AN EXPERIENCED TEAM WITH STAYING POWER.

These industry-leading perennial experts understand the challenges in the perennial marketplace.

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DARWIN PERENNIALS TEAM 7
HERBS

Choose from our wide-ranging selection of traditional and novel herbs, that come packed with delightful aromas and savory flavors perfect for any culinary dish.

**ARTEMISIA/FRENCH TARRAGON,** page 29
- **TOP SELLER**

**CORIANDER,** page 40
- NEW Vietnamese

**SWEET MARJORAM,** page 64
- NEW Hortensis

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- Chocolate
- Citrata Orange
- ‘Kentucky Colonel’
- **TOP SELLER**
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- NEW Moroccan
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- Peppermint Upright
- Pineapple Variegated
- Spearmint
- Strawberry

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- ‘Compactum’
- **TOP SELLER**
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- **TOP SELLER**
- ‘Barbecue’
- ‘Gorizia’
- ‘Huntington Carpet’
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- **TOP SELLER**
- English
- French
- Golden Lemon
- Lemon
- Orange
- Silver Edged
- ‘Silver King’
- ‘Spicy Orange’
- ‘Variegatus’

Product information and culture charts at darwinperennials.com
Plants with a Purpose

Herb-A-Licious is an herb combo program with patio to plate performance. Each combo is crafted with outstanding ornamental and culinary potential – for an exciting array of uses for the home gardener. The program is available as unrooted cuttings from Darwin Colombia or as rooted liners from young plant distributors. To learn more about this herb program, visit darwinperennials.com.

**BACK PATIO SIPS™**
Uses: Herbal teas, DIY cocktails/ mocktails
Explore the flavors of these delectable herbs just begging to be minced, muddled or blended into your next seasonal refreshment.
- Sage Scarlet Pineapple (1)
- Basil ‘Kasar’ (1)
- Stevia Sweet Leaf (1)
- Mint Mojito (1)
- Thyme Lemon (2)

**BAKIN’ UP A STORM™**
Uses: Baking ingredients, Host(ess) gifts
Fill your home with fragrant lavender scones, baskets of savory rosemary biscuits, decadent cakes topped with refreshing peppermint icing and stevia-sweetened iced tea.
- Lavandula ‘SuperBlue’ (2)
- Mint Peppermint (1)
- Rosemary ‘Gorizia’ (2)
- Stevia Sweet Leaf (1)

**BLUE RIBBON BBQ™**
Uses: Grill seasonings, Host(ess) gifts
Prepare to kick your BBQ skills up a notch with herbs so fresh they’ll become your secret ingredient. Bring one home today and secure your blue ribbon victory.
- Rosemary ‘Barbecue’ (2)
- Oregano Italian (1)
- Thyme ‘Coccineus’ (1)
- Sage ‘Berggarten’ (1)
- Tarragon French (1)

**BUZZ OFF!™**
Uses: Mosquito repellent
Blooms abound in this colorful combo filled with fragrant foliage. Pretty enough to decorate your patio, while powerful enough to help deter those pesky insects.
- Monarda Balmy™ Rose (2)
- Basil ‘Kasar’ (1)
- Nepeta Junior Walker™ (1)
- Mint Pineapple Variegated (1)
- Thyme ‘Coccineus’ (2)

**NEW TWIST™**
Uses: Common herbs made novel
Add fresh inspiration to your dishes with basil flushed with indigo, sage adorned with golden edges, rosemary with leaves twice the size of other varieties and thyme bursting with spicy orange notes.
- Basil ‘Kasar’ (2)
- Sage Golden (1)
- Rosemary ‘Gorizia’ (2)
- Thyme ‘Spicy Orange’ (2)

**SPICE ISLAND™**
Uses: Herbs for Caribbean cooking
Spice up your life with this carefully curated combo that brings a taste of the tropics right to your doorstep. Island life never tasted so good.
- Sage Scarlet Pineapple (1)
- Rosemary ‘Spice Island’ (2)
- Basil ‘Kasar’ (1)
- Mint Orange (1)
- Oregano ‘Hot and Spicy’ (2)

Product information and culture charts at darwinperennials.com
2021 VARIETIES FEATURING THE FINEST DARWIN PERENNIALS GENETICS AVAILABLE FROM LEADING PERENNIAL SUPPLIERS ACROSS NORTH AMERICA

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

MOUNTAIN FROST™

Dianthus Mountain Frost Pink Carpet

Dianthus Mountain Frost Red Garnet

Dianthus Mountain Frost Ruby Glitter

Dianthus Mountain Frost Ruby Snow

Dianthus Mountain Frost Silver Strike

Dianthus Mountain Frost White Twinkle

Dianthus Mountain Frost Pink PomPom

Dianthus Mountain Frost Pink Twinkle

Dianthus Mountain Frost Silver Thrift

Dianthus Mountain Frost Pink Thrift

Dianthus Mountain Frost White Thrift

Pink Carpet

Height: 6 to 8 in. (15 to 20 cm) A burst of bright pink color and strong, green foliage.

KonD1010K2 PP30,246

Pink PomPom

Height: 6 to 8 in. (15 to 20 cm) Double rose-pink flowers. KonD1014K3 PP30,190

Pink Twinkle

Height: 6 to 8 in. (15 to 20 cm) Bright, bicolor pink flowers with silvery-green foliage.

KonD1060K3 PP30,105

Red Garnet

Height: 6 to 8 in. (15 to 20 cm) Silver-blue foliage with deep red flowers that don’t fade in the heat or sun. KonD1335K1 PPAF

Rose Bouquet

Height: 10 to 12 in. (25 to 30 cm) Extra-large, deep rose flowers with deep green foliage. KonD1044K2 PP30,274

NEW Ruby Glitter

Height: 6 to 8 in. (15 to 20 cm) A wonderful, non-fading red bloom with cream-white blotches and attractive silver foliage. KonD1400K4 PPAF

NEW Ruby Snow

Height: 6 to 8 in. (15 to 20 cm) Features silver-blue foliage and white blooms with red eyes. Flowers don’t fade in the heat or sun. KonD1400K4 PPAF

Silver Strike

Height: 8 to 10 in. (20 to 25 cm) Provides a surge of bright, bicolor pink flowers and silver foliage. KonD1035K1 PP30,079

White Twinkle

Height: 5 to 6 in. (13 to 15 cm) Bright, bicolor white and pink flowers. KonD1060K1 PP30,238

Dianthus Mountain Frost

To order, please see back cover.
**PERENNIALS WITH STAYING POWER™**

**ECHINACEA (CONEFLOWER)**

**ECHINACEA**

**Echinacea x hybrida**

**SOMBRERO® SERIES**

**DARWIN PERENNIALS**

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

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4b to 9b

Available as tissue culture-raised liners

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

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

**Baja Burgundy:** All-America Selections 2020 Winner
**Summer Solstice:** Metrolina Trials 2019 Best Performing Plant Varieties
**Tres Amigos:** University of Georgia 2018 Classic City Award Winner and People’s Choice Award Winner

**TOP SELLER**

- Adobe Orange: ‘Balsomador’ PP26,639; US7,982,110
- **Baja Burgundy:** ‘Balsombur’ PP28,162; US7,982,110
- **Blanco:** ‘Balsomblanca’
- **NEW Fiesta Orange:** Bold, non-fading orange with excellent branching and flowers with single and semi-double characteristics. ‘Balsomtur’ PPAF; US7,982,110
- Flamenco Orange: ‘Balsomenc’ PP25,523; US7,982,110
- **Granada Gold:** Features a rich, golden-yellow color that doesn’t fade, and the outstanding Sombrero habit and hardiness. ‘Balsomgold’ PP30,115; US7,982,110
- **TOP SELLER** Lemon Yellow
- Wide, overlapping petals and compact habit create a colorful flower presentation. ‘Balsomymym’ PP30,116; US7,982,110
- **NEW Rosada:** Bright rose-pink flowers with dark purple stems. Suitable for garden and cut flower use. ‘Balsomrosa’ PPAF; US7,982,110
- **TOP SELLER** Salsa Red
- ‘Balsomred’ PP23,105; US7,982,110
- **Sangrita:** A vibrant scarlet-red color with burgundy-red flower stems that enhance the beauty of the plant. ‘Balsomaranita’ PP30,138; US7,982,110
- **Summer Solstice:** Bright yellow flowers feature a white ring around the center cone for added interest. ‘Balsomsole’ PPAF; US7,982,110
- Tango Tangerine: Features a beautiful coral/salmon color with a height that matches the series. ‘Balsomtan’ PPAF; US7,982,110
- **Tres Amigos:** Shows three colors at once! Flowers open to peachy-coral, age to rose and fade to burgundy. ‘Balsomtesgo’ PP30,750; US7,982,110

**NEW!** Now available as stage 3 tissue culture! For best practices and more information, please visit darwinperennials.com

**NEW!** Now available as stage 3 tissue culture! For best practices and more information, please visit darwinperennials.com

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**NEW!** Now available as stage 3 tissue culture! For best practices and more information, please visit darwinperennials.com
ENJOY TWO SCOOPS OF THIS SWEET TREAT WITH DOUBLE SCOOP’S DOUBLE BLOOMS!
Echinacea Double Scoop™ Series

**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** ‘Balscancern’ PP24,769; US7,982,110

**Lemon Cream** Opens yellow and matures to a rich cream, with Double Scoop’s excellent branching and flower power – proven Zone 4 Winter hardiness, too! ‘Balsclcm’ 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

NEW! Now available as stage 3 tissue culture! For best practices and more information, please visit darwinperennials.com

To order, please see back cover.

ECHINACEA 15
CARNIVAL

Salvia Mirage™ Neon Rose
Heuchera 'Carnival Black Olive'
Mentha Pineapple Variegated

CELEBRATE A CAROUSEL OF COLOR WITH THIS SHOW-STOPPING, SHADE-LOVING HEUCHERA.
PERENNIALS WITH STAYING POWER™

Heuchera 'Carnival Black Olive'
Heuchera 'Carnival Candy Apple'

Heuchera 'Carnival Cocomint'
Heuchera 'Carnival Fall Festival'

Heuchera 'Carnival Limeade'
Heuchera 'Carnival Peach Parfait'

Heuchera 'Carnival Rose Granita'
Heuchera '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

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.

'Top Seller' 'Carnival Black Olive' PP24,927
'Top Seller' 'Carnival Candy Apple' PP24,928
'Top Seller' 'Carnival Cocomint' PP24,899
'Top Seller' 'Carnival Fall Festival' PP24,924
'Top Seller' 'Carnival Limeade' PP24,928
'Top Seller' 'Carnival Peach Parfait' PP24,928
'Top Seller' 'Carnival Plum Crazy' PP24,771
'Top Seller' 'Carnival Rose Granita' PP24,803

NEW! Now available as stage 3 tissue culture! For best practices and more information, please visit darwinperennials.com

To order, please see back cover.
**MISANHTHUS  ⚪  \( \text{JAPANESE SILVER GRASS, MAIDEN GRASS} \)  
\( \text{Miscanthus sinensis} \)

**BANDWIDTH**

**DARWIN PERENNIALS**

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

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

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

*Colorado State University 2019 "Top Performer"

*Dallas Arboretum "FlameProof Award 2018”*

**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
- **Available as a liner only:** ‘NCMS1’ CPBRAF; PP26,387

*A non-invasive, infertile hybrid Maiden Grass.*

- Ideal for dramatic backgrounds in the landscape.

**PANICUM  ⚪  \( \text{SWITCH GRASS} \)  
\( \text{Panicum virgatum} \)

**RUBY RIBBONS**

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

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

*Grasses product information and culture charts at darwinperennials.com*
FIND MORE THAN 600 POPULAR, UNROOTED VARIETIES FROM DARWIN COLOMBIA IN THIS A-Z LISTING AND GET GROWING!
NEW VINTAGE™

Achillea New Vintage Rose

ACHILLEA
( YARROW)
Achillea millefolium

NEW VINTAGE™ SERIES
DARWIN PERENNIALS

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

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

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

TOP SELLER Red ‘Balvinred’ PP25,618
TOP SELLER Rose ‘Balvinrose’ PP25,712
TOP SELLER Violet ‘Balviole’ PP25,750
TOP SELLER White ‘Balviline’ PP25,711

Product information and culture charts at darwinperennials.com
ACHILLEA (YARROW)

**ACHILLEA 'CORONATION GOLD'**

* Achillea

- **Height:** 36 in. (91 cm)
- **Bloom Months:** Mid-June to July
- **USDA Hardiness Zones:** 3a to 9b

Large, deep yellow heads are excellent for drying.

**ACHILLEA 'MOONSHINE'**

* Achillea millefolium

- **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 'PAPRIKA'**

* Achillea millefolium

- **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.

**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.

- 'Saucy Seduction' PP20,782
- 'Strawberry Seduction' PP18,401
- 'Sunny Seduction' PP20,808
ACHILLEA
(YARROW)
Achillea millefolium

MILLY ROCK™ SERIES
FLORENSIS, B.V.

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

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

Red 'FLORACHRE1' PPAF
Rose 'FLORACHRO1' PPAF
NEW Yellow Bright yellow color expands the series. 'FLORACHYE1' PPAF

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

Achillea Milly Rock Red

Achillea Milly Rock Rose

Achillea Milly Rock Yellow

Product information and culture charts at darwinperennials.com
**TUTTI FRUTTI SERIES**

**ACHILLEA**

- **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

**SONG SIREN™ ‘LAYLA’**

- **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

Compact habit is perfect for containers.

- Soft yellow blooms.
- Silvery-green foliage.
- Blends well with other colors in the garden.

**ACHILLEA**

- **SONG SIREN™ ‘LAYLA’**

**DARWIN PERENNIALS**

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

Color as inspired as the song it’s 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.

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To order, please see back cover.
ACHILLEA (YARROW)  
*Achillea*

**ACHILLEA WITH STAYING POWER™**

**ACHILLEA**

*Achillea*

**SASSY SUMMER SERIES**

WALTERS GARDENS

**‘KING EDWARD’**

Achillea *x lewisii*

*Height: 6 to 10 in. (15 to 25 cm)***

*Bloom Months: Mid-June to July***

*USDA Hardiness Zones: 3a to 8b***

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

*‘Sassy Summer Lemon’* Bright sunny yellow flowers. PP31,893

*‘Sassy Summer Sangria’* PPAF

*‘Sassy Summer Silver’* Bright yellow flowers contrast with intense silvery foliage. PPAF

*‘Sassy Summer Sunset’* PP31,412

*‘Sassy Summer Taffy’* PPAF

**‘PETER COTTONTAIL’**

*Achillea ptarmica*

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

*USDA Hardiness Zones: 3a to 8b***

PPAF

Low, mounding habit with singular, white flower clusters.

**AGASTACHE (MEXICAN HYSSOP)**

Agastache hybrid

**‘BLUE FORTUNE’**

*Height: 24 to 36 in. (61 to 91 cm)***

*USDA Hardiness Zones: 6a to 9b***

Tall spikes of soft blue flowers with fragrant foliage.

**‘PURPLE HAZE’**

*Height: 38 in. (97 cm)***

*USDA Hardiness Zones: 6a to 10b***

Cool violet-blue flowers last into Fall.

ACHILLEA Product information and culture charts at darwinperennials.com
**PERENNIALS WITH STAYING POWER™**

**AGASTACHE (ANISE HYSSOP)**  
*Agastache aurantiaca*  
**'MANGO TANGO'**  
WALTERS GARDENS  
**Height:** 16 to 18 in. (41 to 46 cm)  
**Bloom Months:** Late Summer  
**USDA Hardiness Zones:** 6a to 9b  
**PP28,747**  
Selected for its compact habit and vibrant flower color. Overall, the plant has a rich, mango-orange color. Individual flowers have dusky rose 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'**  
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.

**AGASTACHE (ANISE HYSSOP)**  
*Agastache rupestris*  
**'ROSIE POSIE'**  
WALTERS GARDENS  
**Height:** 18 to 22 in. (46 to 56 cm)  
**Bloom Months:** Late Summer  
**USDA Hardiness Zones:** 6a to 9b  
**PP25,857**  
**TOP SELLER**  
Densely compact, rounded clump of aromatic, bright green foliage is topped with loads of hot pink flowers with magenta-purple calyxes. Flowers for many months beginning in mid-Summer (earlier in warmer zones). Easy to grow.

To order, please see back cover. AGASTACHE
AGASTACHE
(ANISE HYSSOP)
Agastache rugosa

‘LITTLE ADDER’

DARWIN PERENNIALS

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

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

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

Ajuga 'Metallica Crispa'

‘METALLICA CRISPA’
AJUGA (BUGLEWEED)
Ajuga pyramidalis

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 'Black Scallop'

‘BLACK SCALLOP’
AJUGA (BUGLEWEED)
Ajuga reptans

PLANTHAVEN INTERNATIONAL, INC.

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

PP15,815

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

Ajuga Chocolate Chip

‘CHOCOLATE CHIP’

AJUGA (BUGLEWEED)
Ajuga x tenorii

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

‘Valfreda’

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

Ajuga 'Catlin’s Giant'

‘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.

Ajuga 'Bronze Beauty'

‘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.

Ajuga 'Mahogany'

‘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 Chocolate Chip

‘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.

To order, please see back cover.
‘GOLDEN SPRING’

DARWIN PERENNIALS

Alyssum wulfenianum

Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: April to May
USDA Hardiness Zones: 4a to 9b
CPBR5491; 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 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.

ARTEMISIA (WORMWOOD)
Artemisia arborescens

**‘POWIS CASTLE’**
Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: July
USDA Hardiness Zones: 5a to 9b
Features fine-textured, lacy silver foliage spikes that grow mounded and upright.

ARTEMISIA (WORMWOOD)
Artemisia schmidtiana

**‘SILVER MOUND’**
Height: 6 to 12 in. (15 to 30 cm)
Bloom Months: July
USDA Hardiness Zones: 3a to 8b
Compact, mounded plants have soft, silvery-gray foliage and small, yellow blooms.

ARTEMISIA (WORMWOOD)
Artemisia stelleriana

**‘SILVER BROCADE’**
Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: July
USDA Hardiness Zones: 3a to 8b
Silvery foliage resembles Dusty Miller, outstanding for rock gardens and edging.

ARTEMISIA (WORMWOOD)
Artemisia dracunculus sativa

**FRENCH TARRAGON**
Height: 16 to 24 in. (41 to 61 cm)
Bloom Months: Non-flowering
USDA Hardiness Zones: 4a to 9b

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

ASTER (NEW ENGLAND ASTER)
Aster novae-angliae

**‘GRAPE CRUSH’**
NEW FOR 2021
WALTERS GARDENS
Height: 26 to 30 in. (66 to 76 cm)
Bloom Months: August to November
USDA Hardiness Zones: 3a to 8b
PPAF

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

**‘PINK CRUSH’**
NEW FOR 2021
WALTERS GARDENS
Height: 20 to 24 in. (51 to 61 cm)
Bloom Months: August to November
USDA Hardiness Zones: 3a to 8b
PPAF

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

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

Solid masses of purple flowers with yellow centers.

**‘MOENCH’**

**ASTER**
Aster x frikartii

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

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

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

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

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

'Dreamland' A dark salmon bloom. PP30,601

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

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

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
PLANTHAVEN INTERNATIONAL, INC.

‘Lavender’ PPAF
Buddleia Buzz ‘Lavender’ TOBUD0615 PP23.461
‘Midnight’ PPAF
Buddleia Buzz ‘Midnight’ TOBUD0703 PP23.462
‘Purple’ PPAF
Buddleia Buzz ‘Purple’ TOBUD0615 PP23.461
‘Sky Blue’ PPAF
Buddleia Buzz ‘Sky Blue’ TOBUD0615 PP23.461
‘Velvet’ PPAF
Buddleia Buzz ‘Velvet’ TOBUD0703 PP23.462
‘Hot Raspberry’ PPAF
Buddleia Buzz ‘Hot Raspberry’ TOBUD0660 PP28.221
‘Lavender Cupcake’ Extremely long, 12-in. (30-cm), light lavender-purple flower panicles. PP28.221
‘Little Angel’ Very long, 10 to 12-in. (25 to 30-cm), pure white flower panicles. PP28.204
‘Little Nugget’ Brilliant gold foliage and 5 to 6-in. (13 to 15-cm), magenta-purple to blue-purple flowers. PP28.152
‘Magenta Munchkin’ Bold, 7 to 8-in. (18 to 20-cm), fuchsia-red flowers have lighter, eye-type centers. PP28.177
‘Orchid Annie’ Soft, 8-in. (20-cm), orchid-purple flower panicles. PP28.176

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

HUMDINGER® SERIES
WALTERS GARDENS

‘Lavender Cupcake’ Extremely long, 12-in. (30-cm), light lavender-purple flower panicles. PP28.221
‘Little Angel’ Very long, 10 to 12-in. (25 to 30-cm), pure white flower panicles. PP28.204
‘Little Nugget’ Brilliant gold foliage and 5 to 6-in. (13 to 15-cm), magenta-purple to blue-purple flowers. PP28.152
‘Magenta Munchkin’ Bold, 7 to 8-in. (18 to 20-cm), fuchsia-red flowers have lighter, eye-type centers. PP28.177
‘Orchid Annie’ Soft, 8-in. (20-cm), orchid-purple flower panicles. PP28.176

HUMDINGER is a U.S. registered trademark of Walters Gardens.
BUDDLEIA (BUTTERFLY BUSH)  
*Buddleia davidii*

**MONARCH® SERIES**

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

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

• *‘Blue Knight’* Outward-facing flower panicles open light lavender-purple and deepen to blue-purple with age, over minty green leaves. PP29,178

• *‘Crown Jewels’* Magenta-purple flowers. PP27,878

• *‘Dark Dynasty’* Rich, royal purple, fragrant flowers. PP27,634

• *‘Glass Slippers’* Silvery-green foliage and icy, periwinkle-blue blossoms. PP27,832

• *‘Prince Charming’* Bright cerise-pink flower spikes. PP28,903

**NEW** *‘Princess Pink’* Light appleblossom-pink flower panicles are produced above a round habit of medium green foliage. PPAF

• *‘Queen of Hearts’* Vibrant magenta-red blossoms. PP27,987

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

**BUDDLEIA (BUTTERFLY BUSH)**  
*Buddleia hybrida*

**‘GRAND CASCADE’**

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

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

**‘LAVENDER CASCADE’**

**WALTERS GARDENS**  
**Height:** 66 to 72 in. (168 to 183 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 5a to 10a  
**PP30,635**

8 to 10-in. (20 to 25-cm), soft lavender-purple flower panicles cascade down the habit like a waterfall. butterflies, bees and hummingbirds will flock to these honey-scented blossoms.

32 BUDDLEIA  Product information and culture charts at darwinperennials.com

PERENNIALS WITH STAYING POWER™
**BUDDLEIA**
(BUTTERFLY BUSH)
*Buddleia davidii*

**‘LILAC CASCADE’**

**NEW FOR 2021**

WALTERS GARDENS

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

PPAF

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

**‘PINK CASCADE’**

WALTERS GARDENS

**Height:** 60 to 66 in. (152 to 168 cm)
**Bloom Months:** September to October
**USDA Hardiness Zones:** 5a to 10b

PP31,771

Light appleblossom-pink flower panicles cascade downward to form an arching, weeping look.

**CAMPANULA**
(CARPATIAN BELLFLOWER)
*Campanula carpathica*

**‘DELFTE TEACUPS’**

WALTERS GARDENS

**Height:** 6 to 8 in. (15 to 20 cm)
**Bloom Months:** Late Spring to late Summer
**USDA Hardiness Zones:** 3a to 8b

A shorter plant for the front of borders with blue and white bicolor, cup-shaped flowers.

**‘VIOLET TEACUPS’**

WALTERS GARDENS

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

PPAF

A shorter plant for the front of borders with violet-purple, cup-shaped flowers.

**CAMPANULA**
(BELLFLOWER)
*Campanula garganica*

**‘DICKSON’S GOLD’**

RENE VAN GAALLEN, B.V.

**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**
(CLUSTERED BELLFLOWER)
*Campanula glomerata*

**GENTI SERIES**

RENE VAN GAALLEN, 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 ‘Algentibi’ PP24,687
White ‘Algentiva’ PP24,686

Campanula Genti Blue
Campanula Genti White

To order, please see back cover.

**CAMPANULA**
**PERENNIALS WITH STAYING POWER™**

**CAMPANULA (CLUSTERED BELLFLOWER)**
*Campanula glomerata*

**‘ANGEL BELLS’**
**WALTERS GARDENS**
- **Height:** 14 to 18 in. (36 to 46 cm)
- **Bloom Months:** July to September
- **USDA Hardiness Zones:** 5a to 8b
- **PP31,465**

Upright perennial features creamy-white flowers atop medium green foliage. Perfect for containers, the front of borders or cut flowers. Attractive to bees and hummingbirds, yet not appealing to deer.

**‘CHURCH BELLS’**
**WALTERS GARDENS**
- **Height:** 14 to 18 in. (36 to 46 cm)
- **Bloom Months:** July to September
- **USDA Hardiness Zones:** 5a to 8b
- **PPAF**

This lavender-blue Campanula features an upright habit. Attracts pollinators; makes a great cut flower.

**CAMPANULA (BELLFLOWER)**
*Campanula portenschlagiana*

**‘BIRCH HYBRID’**
**PORT PLUS**
- **NEW FOR 2021**
- **Height:** 4 to 6 in. (10 to 15 cm)
- **Bloom Months:** June to August
- **USDA Hardiness Zones:** 4a to 7b

A dwarf form with pale blue flowers.

**CAMPANULA (BELLFLOWER)**
*Campanula poscharskyana*

**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.

**MUST HAVE PERENNIALS®**
- **Height:** 14 in. (36 cm)
- **Bloom Months:** June to July
- **USDA Hardiness Zones:** 3a to 9b
- **‘Amethyst in Snow’ PP18,284**

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

**CARYOPTERIS (BLUEBEARD)**
*Caryopteris clandonensis*

**‘DARK KNIGHT’**
**MUST HAVE PERENNIALS®**
- **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.

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Product information and culture charts at darwinperennials.com
Caryopteris ‘Gold Crest’

**DARWIN PERENNIALS**

- **Height:** 28 to 36 in. (71 to 91 cm)
- **Bloom Months:** August to October
- **USDA Hardiness Zones:** 6a to 9a
- **PPAF**

**Colors will not fade in intense sunlight!**

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

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Caryopteris ‘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 until first frost.
**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 (TICKSEED)**
*Coreopsis auriculata*
- **‘NANA’**
  - **Height**: 9 in. (23 cm)
  - **Bloom Months**: April to June
  - **USDA Hardiness Zones**: 3a to 9b
  - Small, daisylike flowers in brilliant orange-yellow on bushy plants with large, rounded, dark green, evergreen foliage.

**COREOPSIS (TICKSEED)**
*Coreopsis rosea*
- **‘AMERICAN DREAM’**
  - **Height**: 9 to 15 in. (23 to 38 cm)
  - **Bloom Months**: June to July
  - **USDA Hardiness Zones**: 8a to 9a
  - Fine, dark green foliage sprinkled with rose-pink flowers.

**COREOPSIS (TICKSEED)**
*Coreopsis hybrida*
- **‘ELECTRIC SUNSHINE’**
  - **Height**: 18 to 24 in. (46 to 61 cm)
  - **Bloom Months**: June to November
  - **USDA Hardiness Zones**: 8a to 9a
  - **PP30,975**
  - Beautiful Coreopsis is a real stunner in the garden.
  - • Flowers beautifully from Spring until late Fall in a nonstop display of color.
  - • Self-branching, with excellent vigor.
  - • Use as a tender perennial in the South and an annual in the North.
  - • Doesn’t require cleaning or cutback to flower.

**SOLANNA™ GOLDEN SPHERE**
*Coreopsis* ‘Golden Stardust’
- **Height**: 12 to 14 in. (30 to 36 cm)
- **Bloom Months**: March to November
- **USDA Hardiness Zones**: 5a to 9b
- **PP30,770**
- This Coreopsis is carefree and easy to grow!
  - • Produces abundant, star-shaped flowers throughout the growing season.
  - • Self-branching.
  - • Mildew resistant.
  - • Excellent heat tolerance.

**COREOPSIS (TICKSEED)**
*Coreopsis Solanna*
- **‘GOLDEN STARDUST’**
  - **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 hybrida

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

TOP SELLER
Largest flowers – 2.5 to 3 in. (6 to 8 cm) – of any Coreopsis on the market.
• Similar habit and garden performance to UpTick™.
• Mildew resistant.

Coreopsis ‘Super Star’ (top), ‘Golden Stardust’ (bottom)
UPTICK™
Coreopsis UpTick Gold & Bronze

COREOPSIS
(Coreopsis hybrida)
UPTICK™ SERIES
Coreopsis hybrida

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

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

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

**Cream** ‘Balupteam’ PP28,964
**Cream & Red** ‘Balupteamed’ PP28,866

**TOP SELLER** Gold & Bronze
‘Baluptgonz’ PP28,882

**TOP SELLER** Yellow & Red
‘Baluptowed’ PP28,865

Product information and culture charts at darwinperennials.com
**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.

**‘CRÈME BRULEE’**
**COREOPSIS** (TICKSEED)
*Coreopsis verticillata*

**MUST HAVE PERENNIALS®**
- **Height:** 20 in. (51 cm)
- **Bloom Months:** June to July
- USDA Hardiness Zones: 4a to 9b
  - ‘Novcorcar’ PP22,565

Equally at home in mass plantings or containers.
- Terracotta-colored blooms and narrow, bright green foliage.
- Mixes well with other perennials and roses.
- Compact and dense habit.

**‘MOONBEAM’**
**DARWIN PERENNIALS**
- 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.

**‘ZAGREB’**
**DARWIN PERENNIALS**
- 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.

To order, please see back cover.
Coreopsis Sizzle & Spice ‘Crazy Cayenne’

Coreopsis Sizzle & Spice ‘Curry Up’

Coreopsis Sizzle & Spice ‘Hot Paprika’

Coreopsis Sizzle & Spice ‘Red Hot Vanilla’

Coreopsis Sizzle & Spice ‘Sassy Saffron’

Coreopsis Sizzle & Spice ‘Zesty Zinger’

**COREOPSIS ★ (TICKSEED)**

*Coreopsis verticillata*

**SIZZLE & SPICE® SERIES**

**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. PP28,521

**TOP SELLER** ‘Hot Paprika’ Rich, deep red flowers and bright green foliage. PP28,522

‘Red Hot Vanilla’ Cream flowers with a dark red central eye that covers most of the flower as it ages. PP29,909

‘Sassy Saffron’ PP31,393

‘Zesty Zinger’ Light ivory flowers have pronounced dark magenta centers and cover the bright green foliage. PP29,921

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

**COREOPSIS ★ (TICKSEED)**

*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.

**CORIANDER ☆ (VIETNAMESE CORIANDER)**

*Persicaria odorata*

**NEW FOR 2021**

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

**Bloom Months:** May to June

**USDA Hardiness Zones:** 10a to 11

Flavorful culinary herb, comparable to cilantro, features attractive, scented foliage. Works well in sunny herb gardens.

Product information and culture charts at darwinperennials.com
PERENNIALS WITH STAYING POWER™

DELOSPERMA (ICE PLANT)

DELSPERMA 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.

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

DELOSPERMA Cooperi

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

Rose-pink flowers on mats of succulent leaves.

DELOSPERMA 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.

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

DELOSPERMA ‘Jewel of Desert Garnet’

Plants of 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 Garnet’ PP23.471
‘Jewel of Desert Peridot’ PP23.566
‘Jewel of Desert Ruby’ PP23.453
‘Jewel of Desert Topaz’ PP23.492

DELOSPERMA ‘Jewel of Desert Peridot’

DELOSPERMA ‘Jewel of Desert Ruby’

DELOSPERMA ‘Jewel of Desert Topaz’

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

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

Fire Wonder ‘WOWDAY2’ PP25.645
Golden Wonder ‘WOWD20111’ PP25.684
Hot Pink Wonder ‘WOWDRY1’ PP26.157
Violet Wonder ‘WOWDRW5’ PP25.572

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

DELOSPERMA (ICE PLANT)

DELOSPERMA nubigenum

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

Spreading, succulent leaves and deep yellow flowers.

To order, please see back cover.

DELOSPERMA 41
ARCTIC FOX ROSE

**DIGITALIS (FOXGLOVE)**
Digitalis hybrida

**ARCTIC FOX ROSE**
Darwin Perennials

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

‘Balroxose’ PPAF

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

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

Product information and culture charts at darwinperennials.com
**EUPATORIUM** (JOE-PYE WEED)

*Eupatorium dubium*

**‘LITTLE JOE’**

**EUPHORIA™ RUBY**

*Eupatorium purpureum*

---

**DARWIN PERENNIALS**

**Eupatorium ‘Little Joe’**

- **Height:** 36 to 48 in. (91 to 122 cm)
- **Bloom Months:** July to September
- **USDA Hardiness Zones:** 3a to 9b
- PP16,122

**Strong, sturdy stems won’t flop!**

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

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**Eupatorium Euphoria Ruby**

- **Height:** 24 to 32 in. (61 to 81 cm)
- **Bloom Months:** July to October
- **USDA Hardiness Zones:** 5a to 9a
- FP31,668

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

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

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To order, please see back cover.
**Eupatorium (Joe-Pye Weed)**

*Eupatorium maculatum*

**Gateways**

- **Height**: 60 to 72 in. (152 to 183 cm)
- **Bloom Months**: July to September
- **USDA Hardiness Zones**: 4a to 8b

Mauve-pink flowers against deep red stems make a bold garden display.

**Euphorbia (Spurge)**

*Euphorbia polychroma*

**Bonfire**

- **Height**: 10 in. (25 cm)
- **Bloom Months**: Spring to Summer
- **USDA Hardiness Zones**: 5a to 9b

Neat, uniform mounds of green foliage quickly mature to rich maroon-red in Summer, has glowing chartreuse-gold flowers in Spring.

**Euphorbia 'Ascot Rainbow'**

- **Height**: 20 to 22 in. (51 to 56 cm)
- **Bloom Months**: April to May
- **USDA Hardiness Zones**: 6a to 9b

Vigorous variety has very colorful, variegated foliage that turns deep red in cooler weather.

**Gaillardia (Blanket Flower)**

*Gaillardia x hybrida*

**Sunset Celebration**

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

Floriferous tender perennial has medium pink flowers, beautifully variegated foliage and a tidy appearance.

**Gaura (Wand Flower)**

*Gaura lindheimeri*

**Passionate Blush**

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

Floriferous tender perennial has medium pink flowers, beautifully variegated foliage and a tidy appearance.

**Gaura Walberton's Pink Fountain**

- **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.

**Gaura Walberton's Snow Fountain**

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

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

**Gaura Walberton's 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.

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**Eupatorium Product information and culture charts at darwinperennials.com**
PERENNIALS WITH STAYING POWER™

Gaura lindheimeri

‘LITTLE JANIE’

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’

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

A great container item for impulse sales.

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

DARWIN PERENNIALS

To order, please see back cover.

GAURA
(WAND FLOWER)

Gaura lindheimeri

‘WHISKERS DEEP ROSE’

DARWIN PERENNIALS
GAURA (WAND FLOWER)
Gaura lindheimeri

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.

Rose ‘Baltinrose’ PP14,635
White ‘Baltincite’ PP20,326

BELLEZA® SERIES
SELECTA ONE®

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

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

Compact Light Pink ‘KLEGL06261’ CPBR3667
Dark Pink ‘KLEAU04263’ CPBR2860
White ‘KLEGL14844’

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

GAUDI™ SERIES
FLORENSIS, B.V.

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

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

Pink ‘Florgaucomp’
Red ‘Florgaure’ PP26,518
Rose ‘Florgaucompro’

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

HEDERA (ENGLISH IVY)
Hedera helix

ENGLISH IVY

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

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

‘THORNDALE’

Height: 3 to 5 in. (8 to 13 cm)
USDA Hardiness Zones: 5a to 9b

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

Hedera English Ivy
Hedera ‘Thorndale’
PERENNIALS WITH STAYING POWER™

SALUD™

HELENIUM autumnale

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

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

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

TOP SELLER
Embers 'Balsaluent' PP30,617
Golden 'Balsaluglo' PP30,616
Yellow 'Balsalulow' PP30,771

To order, please see back cover.
HELIANTHUS (WILLOWLEAF SUNFLOWER)
Helianthus salicifolius

‘AUTUMN GOLD’

DARWIN PERENNIALS
Height: 24 to 26 in. (61 to 66 cm)
Bloom Months: September to November
USDA Hardiness Zones: 5a to 10a
PP30,117

Excellent Fall-flowering companion to garden mums.
• Hardy and drought tolerant once established.
• An attractive, maintenance-free perennial with bright golden-yellow flowers that bloom from September until November or hard frost.

HELIOPSIS (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.
PERENNIALS WITH STAYING POWER™

**Heliopsis**

- **Double Sunstruck**
  - Height: 14 to 16 in. (36 to 41 cm)
  - Bloom Months: June to August
  - USDA Hardiness Zones: 4a to 9b
  - PP26,608

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

**Hypericum**

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

- **Miracle Horizon**
  - Height: 28 to 32 in. (71 to 81 cm)
  - Bloom Months: Late Spring to Summer
  - USDA Hardiness Zones: 6a to 9b

**Herbs**

- See page 8 and individual listings.

**‘LORAIN SUNSHINE’**

**MUST HAVE PERENNIALS®**

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

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

**‘DOUBLE SUNSTRUCK’**

**DARWIN PERENNIALS**

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

Compact habit lets growers ship more plants per rack.

- Semi-double flowers on free-branching plants make a striking season extender.
- Intense yellow flowers and variegated foliage command attention.
- Long-flowering plants light up Spring and Summer gardens.

**HYPERICUM**

- **(ST. JOHN’S WORT)**
  - **Hypericum calycinum**
  - **Height**: 15 to 18 in. (38 to 46 cm)
  - **Bloom Months**: May to July
  - **USDA Hardiness Zones**: 5a to 9b

Long, blue-green leaves with wide, solitary, bright golden-yellow flowers.

**HYPERICUM**

- **(ST. JOHN’S WORT)**
  - **Hypericum inodorum**

**Miracle Series**

RENE VAN GAALEN, B.V.

- **Grandeur** ‘Allgrandeur’ PP27,125
- **Horizon** ‘Allblossoms’ PP28,118
- **Night** ‘Allmadne’ PP28,120
- **Pistache** ‘Allpista’ PP27,972
- **Primo** ‘Allprimo’ PP28,011

To order, please see back cover.

To order, please see back cover.
**IBERIS (CANDYTUFT)**
*Iberis hybrid*

**‘SUMMER SNOWDRIFT’**
**DARWIN PERENNIALS**

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

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

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

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**Bloom Months**

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SNOWSATION

IBERIS (EVERGREEN CANDYTUFT)  
Iberis sempervirens

'SNOWSATION'

DARWIN PERENNIALS

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

TOP SELLER The largest flowers of any compact Iberis!

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

Bloom Months

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**IBERIS (EVERGREEN CANDYTUFT)**
*Iberis sempervirens*

**‘ALEXANDER’S WHITE’**
- **Height:** 10 to 12 in. (25 to 30 cm)
- **Bloom Months:** March to April
- **USDA Hardiness Zones:** 3a to 8b
- Deep green, evergreen foliage is covered by dense, pure white flowers in Spring.

**‘PURITY’**
- **Height:** 8 to 10 in. (20 to 25 cm)
- **Bloom Months:** March to April
- **USDA Hardiness Zones:** 3a to 8b
- Low-growing, evergreen shrub with deep green foliage and abundant, white blooms.

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**IBERIS (EVERGREEN CANDYTUFT)**
*Iberis gibraltarica*

**‘LAVISH’**
- **Height:** 10 to 12 in. (25 to 30 cm)
- **Bloom Months:** April to August
- **USDA Hardiness Zones:** 6a to 9b
- PP27,686
- Great in mixed containers!
  - Long bloom time, with deep lavender flowers.
  - Requires no vernalization for flowering.
  - Tender perennial.

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**LAMIASTRUM (YELLOW ARCHANGEL)**
*Lamiastrum galeobdolon*

**‘HERMAN’S PRIDE’**
- **Height:** 6 in. (15 cm)
- **Bloom Months:** April to May
- **USDA Hardiness Zones:** 3a to 9b
- Trailing habit of green and silver leaves with yellow flowers.

**‘VARIEGATUM’**
- **Height:** 12 in. (30 cm)
- **Bloom Months:** May to June
- **USDA Hardiness Zones:** 4a to 8b
- Silver-spotted foliage with yellow flowers in Spring.

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**LAMIIUM (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’**
- **Height:** 4 to 6 in. (10 to 15 cm)
- **Bloom Months:** April to May
- **USDA Hardiness Zones:** 4a to 9b
- Low-maintenance garden performer features orchid-pink flowers that re-bloom in Fall; good resistance to leaf spots.

**‘PINK PEWTER’**
- **Height:** 4 to 6 in. (10 to 15 cm)
- **Bloom Months:** April to May
- **USDA Hardiness Zones:** 3a to 9b
- Snapdragons-like flowers with rich purple spikes that contrast with bright silvery foliage; robust habit.

**‘RED NANCY’**
- **Height:** 8 to 12 in. (20 to 30 cm)
- **Bloom Months:** April to May
- **USDA Hardiness Zones:** 3a to 8b
- Beautifully variegated leaves and long-blooming flowers brighten shaded gardens and Summer containers. Superb groundcover beneath trees or shrubs, especially when combined with Spring-flowering bulbs. Attractive at garden’s edge or along walkways.

**‘SHELL PINK’**
- **Height:** 8 in. (20 cm)
- **Bloom Months:** April to May
- **USDA Hardiness Zones:** 4a to 8b
- Soft pink flowers – excellent for shaded borders or containers.

**‘WHITE NANCY’**
- **Height:** 6 in. (15 cm)
- **Bloom Months:** April to May
- **USDA Hardiness Zones:** 3a to 9b
- Fast-growing groundcover with silver and green variegated foliage and pure white flowers.
‘ANNET’

DARWIN PERENNIALS

LAVANDULA
(ENGLISH LAVENDER)
Lavandula angustifolia

‘ANNET’

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

Long-flowering English Lavender offers stiff, upright stems for no breakage at shipping.
• Holds up to shipping and remains healthy at retail.
• No vernalization required.
• Large flowers throughout the heat of Summer.
• An excellent addition for bouquets.
• Ideal for 2.5-qt. and 2-gal. pot sizes, as well as 3-qt. drop-in.

‘SUPERBLUE’

DARWIN PERENNIALS
Height: 10 to 12 in. (25 to 30 cm)
Bloom Months: April to September
USDA Hardiness Zones: 5a to 8b
PP24,929

Excellent performer boasts the biggest blooms!
• Rich blue blooms on short flower spikes.
• Less gapping among spikes for more color impact.
• Excellent Winter hardiness and landscape performance.
**LAVANDULA (ENGLISH 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.

---

**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™**
MOMPARLER ALBORS
Height: 16 to 24 in. (41 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 6a to 8b

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

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

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**'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.

**'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.

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**LAVANDULA (FRENCH LAVENDER)**
*Lavandula dentata*

**'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.

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**LAVANDULA (LAVENDER)**
*Lavandula intermedia*

**'GOODWIN CREEK GREY'**

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

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

**NEW FOR 2021**

**DARWIN PERENNIALS**

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

**Bloom Months:** Year round depending on location

**USDA Hardiness Zones:** 7a to 9a

‘Anouk Deluxe 1225’ CPBRAF; PPAF

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

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

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**Winter** | **Spring** | **Summer** | **Fall** | **Winter**
---|---|---|---|---

<table>
<thead>
<tr>
<th>Traditional Spanish Lavender</th>
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<th>Darwin Primavera Lavender</th>
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</table>
**ANOUK SERIES**

**LAVANDULA** *(SPANISH LAVENDER)*

*Lavandula stoechas*

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

**Bloom Months:** March to July

**USDA Hardiness Zones:** 6a to 9b

**Outstanding in containers and landscapes.**

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

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

**Anouk Supreme** Flowers one week earlier than ‘Anouk’. Anouk Deluxe 901; CPBR618; PP26,493

**Anouk Deep Rose** Deep rose flags on lavender-rose flowers. 'Anouk Deluxe 179; CPBR616; PP26,493

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

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

‘White Anouk’ Bright white, non-burning flags on blue flowers. Anouk Deluxe 1173; CPBR6173; PP28,301

Product information and culture charts at darwinperennials.com

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Lavandula ‘Anouk’

Lavandula ‘Silver Anouk’

Lavandula ‘White Anouk’
**LAVANDULA**
(SPANISH LAVENDER)
*Lavandula stoechas*

**BRIGHT LUXURIOUS**

**Lavandula Bright Luxurious**

- **Height:** 14 to 18 in. (36 to 46 cm)
- **Bloom Months:** March to July
- **USDA Hardiness Zones:** 6a to 9b
- **‘Anouk Deluxe 1956’** CPBR5617; PP26,496

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

---

**LUXURIOUS**

**Lavandula Luxurious**

- **Height:** 14 to 18 in. (36 to 46 cm)
- **Bloom Months:** March to July
- **USDA Hardiness Zones:** 6a to 9b
- **‘Anouk Deluxe 109’** CPBR6615; PP26,494

*Outstanding weather and humidity tolerance.*
- Stands up to boxing and shipping better than other Spanish Lavenders.
- Very resistant to foliar disease.
LAVANDULA (SPANISH LAVENDER)  
*Lavandula stoechas*  
**‘OTTO QUAST’**  
Height: 24 to 30 in. (61 to 76 cm)  
Bloom Months: June to August  
USDA Hardiness Zones: 7a to 7b  
Tender perennial with large, two-tone flowers and silvery foliage; upright habit.  

LAVANDULA  
*(LAVENDER)*  
*Lavandula x intermedia*  
**‘DILLY DILLY’**  
Height: 12 in. (30 cm)  
Bloom Months: June to August  
USDA Hardiness Zones: 6a to 7b  
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.  

LEUCANTHEMUM (SHASTA DAISY)  
*L. x superbum*  
**‘BECKY’**  
Height: 36 in. (91 cm)  
Bloom Months: May to September  
USDA Hardiness Zones: 5a to 8b  
Big, single, white flowers and shiny, deep green foliage.  

**REALFLOR® COLLECTION**  
*PLANTHAVEN INTERNATIONAL, INC.*  
Height: 16 to 36 in. (41 to 91 cm)  
Bloom Months: April to September  
USDA Hardiness Zones: 5a to 9b  
Well-branched, floriferous varieties with unique flower forms, improved disease resistance and upright habits.  
‘Real Dream’ Vibrant, yellow flowers. PP23,664  
‘Real Galaxy’ Attractive, fringed, semi-double flowers. PP23,873  
‘Real Glory’ Alluring, crested flowers. PP22,733  
REALFLOR is a U.S. registered trademark of Keith Lintott & Richard Read.  

**‘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**  
*ALTMAN SPECIALTY PLANTS, INC.*  
Height: 12 to 18 in. (30 to 46 cm)  
Bloom Months: April to August  
USDA Hardiness Zones: 5a to 9b  
‘BL14007’ PP28,350  
Fade-resistant, true yellow flowers. Blooms wonderfully without vernalization.  
SPELLBOOK is a U.S. registered trademark of Altmann Specialty Plants, Inc.
WHITECAP

LEUCANTHEMUM
(Shasta Daisy)
Leucanthemum x superbum

‘WHITECAP’
NEW FOR 2021
DARWIN PERENNIALS
Height: 14 to 16 in. (36 to 41 cm)
Bloom Months: March to October
USDA Hardiness Zones: 5a to 9a
Available as tissue culture-raised liners
PPAF

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

• Classic “Shasta Daisy” look with complete flower coverage for high impact at retail.
• Early-to-flower, compact, sturdy plants for an extended shelf life.
• First-year-flowering perennial hardy to Zone 5!

To order, please see back cover.
**LEUCANTHEMUM (SHASTA DAISY)**
*Leucanthemum x superbum*

**'CREAM PUFF'**

WALTERS GARDENS

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

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

**'WHOOPS A DAISY'**

WALTERS GARDENS

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

**TOP SELLER** 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.
**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 showstopper.

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

**‘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.

**‘SPOONFUL OF SUGAR’**

**WALTERS GARDENS**

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

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

**‘WHITE MAGIC’**

**DARWIN PERENNIALS**

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

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

- Bred and selected for an extended flowering window.
- No deadheading is required for reblooming.
PERENNIALS WITH STAYING POWER™

**PERENNIALS WITH STAYING POWER™**

**LEUCANTHEMUM (SHASTA DAISY)**
*Leucanthemum x superbum*

### OOH LA™ SERIES

**FLORENSIS, B.V.**

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

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

- **‘LaCrosse’** Unique, trumpet-shaped, white petals.
- **LaGrande** Extra-large, white daisy flowers. ‘Florileug’ PP29,736
- **‘LaSpider’** Height: 12 to 14 in. (30 to 36 cm) Makes a fun, frilly statement in beds and containers. Attractive, semi-double flowers and fringed flower petals.

**Leucanthemum Ooh La LaGrande**

**Leucanthemum Ooh La ‘LaCrosse’**

**Leucanthemum Ooh La ‘LaSpider’**

Product information and culture charts at darwinperennials.com
**LITHODORA** *(TRAILING LITHODORA)*
Lithodora diffusa

*Lithodora '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.

*Lithodora 'Heavenly Blue'*
- **Height:** 8 to 12 in. (20 to 30 cm)
- **Bloom Months:** March to April
- **USDA Hardiness Zones:** 6a to 8b

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

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

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

**LYCHNIS** *(CATCHFLY)*
Lychnis flos-cuculi

*Lychnis Petite Jenny*
- **Height:** 14 in. (36 cm)
- **Bloom Months:** May to June
- **USDA Hardiness Zones:** 5a to 8b
- **PP31,373**

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

*Lychnis Petit Henri*
- **Height:** 14 in. (36 cm)
- **Bloom Months:** May to August
- **USDA Hardiness Zones:** 5a to 8b
- **FLYPH PP31,373**

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

**LYSIMACHIA** *(LYSIMACHIA, MONEYWORT)*
Lysimachia nummularia

*Lysimachia 'Goldilocks'*
- **Height:** 2 to 4 in. (5 to 10 cm)
- **USDA Hardiness Zones:** 3a to 10b

Trailing habit and golden foliage are beautiful in mixed containers.

*Lysimachia 'Alexander'*
- **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** *(CREEPING MAZUS)*
Mazus reptans

*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.

**LYSIMACHIA** *(LOOSESTRIFE)*
Lysimachia punctata

*Lysimachia 'Goldilocks'*
- **Height:** 2 to 4 in. (5 to 10 cm)
- **USDA Hardiness Zones:** 3a to 10b

Trailing habit and golden foliage are beautiful in mixed containers.

*Lysimachia 'Alexander'*
- **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*
- **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.

To order, please see back cover.
PERENNIALS WITH STAYING POWER™

SWEET MARJORAM

_Organum majorana

HORTENSIS

NEW FOR 2021

Height: 12 to 24 in. (30 to 61 cm)
Bloom Months: July to September
USDA Hardiness Zones: 8b to 10a
Available as tissue culture-raised liners

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

MENTHA (MINT)

_Mentha spicata

‘KENTUCKY COLONEL’

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

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

SPEARMINT

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

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

MENTHA (MOROCCAN MINT)

_Mentha spicata var. crispa

MOROCCAN

NEW FOR 2021

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

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

MENTHA (MINT)

_Mentha suaveolens

APPLE

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

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

PIECEAPPLE VARIEGATED

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

‘Variegata’

Green and white variegated leaves with sweet pineapple scent.

MENTHA (MINT)

_Mentha x piperita

AFTER EIGHT

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

Green foliage with an excellent chocolate mint flavor.

CHOCOLATE

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

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

CITRATA ORANGE

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

Very fragrant orange mint with a neat, attractive habit.

PEPPERMINT

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

Deliciously spicy scent – great for tea.

PEPPERMINT UPRIGHT

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

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

STRAWBERRY

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

Nice strawberry scented mint. Pink flower.

MENTHA (MINT)

_Mentha x villosa

MOJITO

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

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

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.

SWEET MARJORAM

Product information and culture charts at darwinperennials.com
Monarda Balmy Lilac Monarda Balmy Rose
Monarda Balmy Pink

**MONARDA**
(BEE BALM, BERGAMOT)
Monarda didyma

**BALMY™ SERIES**

**DARWIN PERENNIALS**

**BALMY™**

**Monarda Balmy Rose**

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

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

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

**Lilac 'Balbalmac' PP26,594**
**Pink 'Balbalmink' PP26,566**

**TOP SELLER Purple 'Balbalmurp' PP25,561**
**TOP SELLER Rose 'Balbalmose' PP26,567**

To order, please see back cover.
**’JACOB CLINE’**

**Monarda didyma**

*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.

**SUGAR BUZZ® SERIES**

**WALTERS GARDENS**

*Height:* 14 to 24 in. (36 to 61 cm)

*Bloom Months:* July to August

*USDA Hardiness Zones:* 4a to 8b

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

**NEW**

- **’Berry Taffy’** Raspberry-pink flowers with bronze-colored bracts. Newest foliage is notably dark. PP29,549
- **’Blue Moon’** Lavender-blue flowers are held by attractive purple bracts. A breakthrough, shorter height for this color. PP29,549
- **’Bubblegum Blast’** Hot pink flowers. PP27,497

**TOP SELLER**

- **’Cherry Pops’** Cherry-red flowers. PP27,618
- **’Grape Gumball’** Vibrant magenta flowers. PP27,498
- **’Lilac Lollipop’** Lavender-lilac flowers. PP27,711
- **’Pink Frosting’** Pastel pink flowers form a carpet of blossoms that completely cover the foliage. PP29,549
- **’Rockin’ Raspberry’** Deep raspberry-purple flowers. PP28,752

**NEW**

**SUGAR BUZZ** is a registered U.S. trademark of Walters Gardens.
PERENNIALS WITH STAYING POWER™

NEPETA • (CAT MINT)
Nepeta faassenii

WHISPURR™ SERIES
NEW FOR 2021
DARWIN PERENNIALS

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

Excellent landscape plant with long blooming season from Spring through Summer.
- Features large flower plumes on robust plants.
- Foliage has a minty fragrance.
- Very popular with pollinators.

Blue ‘Balpurrlu’ PPAF
Pink ‘Balpurrink’ PPAF

AT-A-GLANCE HEIGHT COMPARISONS for Nepeta x faassenii

'Kitten Around'    'Purrsian Blue'    Junior Walker™    'Walker's Low'    Whispurr™ Series
NEPETA (CATMINT)
Nepeta mussinii

‘SIX HILLS GIANT’
Height: 24 to 36 in. (61 to 91 cm)
Bloom Months: May to October
USDA Hardiness Zones: 4a to 8b
A robust grower with large, blue flowers.

NEPETA (CATMINT)
Nepeta x faassenii

‘BLUE WONDER’
Height: 12 in. (30 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 8b
Dwarf, mounding variety with deep purple-blue flowers and fragrant, gray-green foliage.

‘DROPMORE’
WALTERS GARDENS
Height: 12 in. (30 cm)
Bloom Months: Late Spring to late Summer
USDA Hardiness Zones: 3a to 8b
PP30,940
Silvery, aromatic foliage and blue flowers that bloom long and freely.

‘KITTEN AROUND’

‘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.

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

‘WALKER’S LOW’
Height: 24 to 30 in. (61 to 76 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 8b
One of the longest-flowering Catmints. Profuse, blue-purple flowers complement fragrant, silver leaves. Compact mounds spread to 24 in. (61 cm) wide.

Product information and culture charts at darwinperennials.com
**PURRSSIAN BLUE**

**NEPETA (CATMINT)**

*Nepeta x faassenii*

**‘PURRSSIAN BLUE’**

**WALTERS GARDENS**

**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 calyces are produced for months.
**NEPETA**

**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

**Abundant flowers in a compact habit!**

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

**NEPETA**

**NEPETA (JAPANESE CAT MINT)**

*Nepeta hybrid*

**BLUE PRELUDE**

**DARWIN PERENNIALS**

- **Height:** 28 to 36 in. (71 to 91 cm)
- **Bloom Months:** March to September
- **USDA Hardiness Zones:** 5a to 9a
- **Balneplud** PPAF

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

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

OCIMUM (BASIL)
Ocimum basilicum

‘KASAR’
Height: 28 to 32 in. (71 to 81 cm)
USDA Hardiness Zones: 9a to 11
Tender perennial has purple shading from leaf base to green tip. Tasty and beautiful!

OENOTHERA (EVENING PRIMROSE)
Oenothera biennis

‘SISKIYOU’
Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4a to 8b
Neat, compact and floriferous with pink flowers.

OENOTHERA (EVENING PRIMROSE)
Oenothera macrocarpa ssp. fremontii

‘SHIMMER’
Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 8b
PP19,663
Marjoram with small, round leaves and neat, compact habit.

ORIGANUM (OREGANO)

GENTLE BREEZE
RENE VAN GAALLEN, B.V.
Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: Spring to late Summer
USDA Hardiness Zones: 5a to 9b
‘AUREUM’ PP29,589
A wonderful addition to the perennial garden. Although not primarily for culinary use, this ornamental Oregano has beautifully fragrant foliage and sweetly scented flowers from late-Spring through Fall. Very attractive to pollinators.

‘HOT AND SPICY’
Height: 24 to 30 in. (61 to 76 cm)
USDA Hardiness Zones: 5a to 9b
Highly aromatic scent and spicy flavor. White flowers in Summer.

VARIEGATED
Height: 16 in. (41 cm)
USDA Hardiness Zones: 4a to 9b
Green with creamy variegated edge.

ORIGANUM (OREGANO)

‘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.

ORIGANUM (OREGANO)

‘AUREUM’
Height: 12 in. (30 cm)
USDA Hardiness Zones: 5a to 9b
Golden Oregano with light lavender-purple flowers and chartreuse, spreading foliage.

ORIGANUM (OREGANO)

‘COMPACTUM’
Height: 3 to 6 in. (8 to 15 cm)
USDA Hardiness Zones: 6b to 9b
Marjoram with small, round leaves and neat, compact habit.

‘ITALIAN’
Height: 18 to 24 in. (46 to 61 cm)
USDA Hardiness Zones: 5a to 9b
Deliciously scented culinary herb.

‘TOP SELLER’
Strong-growing, hardy strain.

To order, please see back cover.
ROCK CANDY®

Penstemon Rock Candy Ruby

ROCK CANDY® SERIES
DARWIN PERENNIALS

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

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

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

Blue ‘Novapenblu’ PP27,786
Light Pink ‘Novapentig’ PP27,787
Pink ‘Novapenpin’ PP26,701
Ruby ‘Novapenrub’ PP27,820

Penstemon (Beard Tongue) Penstemon barbatus

Product information and culture charts at darwinperennials.com
Penstemon \( \text{(Beard Tongue)} \)

**Penstemon digitalis**

**‘Blackbeard’**

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

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.

Penstemon \( \text{(Beard Tongue)} \)

**Penstemon hybrida**

**Little Bells**

**‘Novapenbel’**

- **Height:** 16 to 18 in. (41 to 46 cm)
- **Bloom Months:** June to August
- **USDA Hardiness Zones:** 6a to 9b

Prolific rebloomer with lilac flowers and compact habit.
- Flowers profusely in early Spring and reblooms in Fall.
- Rich purple flowers with white throats.
- Dark green foliage forms a nice basal mat.

Penstemon \( \text{(Beard Tongue)} \)

**Penstemon mini-bells**

**Lavender Bicolor**

**‘Balmiblavbi’**

- **Height:** 16 to 18 in. (41 to 46 cm)
- **Bloom Months:** June to August
- **USDA Hardiness Zones:** 7a to 9a

Flowers profusely in early Spring and reblooms in Fall.
- Compact, interspecific Penstemon.
- Full, upright habit.
- Dark green foliage.

**Red**

**‘Balmibred’**

Stunning rose-red flowers.
Penstemon 'Cherry Sparks'

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

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

**Penstemon** (Beard Tongue)
Penstemon hybrid

**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’ PP28,852

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

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

**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 high-impact color.

• Sturdy, upright habit.
• Good basal branching.

Amethyst ‘Novapename’ PP27,321
Red Vivid orange/red addition to the series is very heat tolerant and long flowering. ‘Balquared’ PPAF
Rose ‘Novapenros’ PP27,919

Penstemon MissionBells Deep Rose

Penstemon Quartz Amethyst

Penstemon Quartz Red

Penstemon Quartz Rose

To order, please see back cover. PENSTEMON 75
**PERENNIALS WITH STAYING POWER™**

**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.

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

**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.

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

**PEROVSKIA** *(RUSSIAN SAGE)*

*Perovskia atriplicifolia*

**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

Features the largest flowers of any Russian Sage – larger flowers for more color! Truly dwarf variety stays small in subsequent years, and dense branching prevents flopping.

**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

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

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

**‘ROCKETMAN’**

**WALTERS GARDENS**

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

PP27,526

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

Penstemon Little Lace

Penstemon Pike’s Peak Purple

Penstemon Red Rocks

Perovskia Lacey Blue

Perovskia Rocketman

Penstemon Red Rocks

Penstemon Pike’s Peak Purple

Penstemon Little Lace

Perovskia Lacey Blue

Penstemon Pike’s Peak Purple
PEROVSKIA
(RUSSIAN SAGE)
*Perovskia atriplicifolia*

**‘BLUE JEAN BABY’**
WALTERS GARDENS
Height: 28 to 34 in. (71 to 86 cm)
Bloom Months: August
USDA Hardiness Zones: 4a to 9b
PP29,281

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

---

**‘CRAZYBLUE’**
DARWIN PERENNIALS
Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: July to September
USDA Hardiness Zones: 4a to 9b
PP25,639

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

---

Perovskia ‘Blue Jean Baby’

Perovskia ‘CrazyBlue’
PHLOX
(HYBRID PHLOX)
Phlox hybrid

BEDAZZLED SERIES

WALTERS GARDENS
Height: 6 to 8 in. (15 to 20 cm)
Bloom Months: Late Spring
USDA Hardiness Zones: 4a to 8b

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

‘Bedazzled Lavender’ Lavender flowers with lighter halo centers and a dark purple, star-shaped eye. PPAF
‘Bedazzled Orchid’ Lavender flowers with lighter halo centers and a dark purple eye. PP31,483
‘Bedazzled Pink’ PPAF

PAPARAZZI® COLLECTION

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

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

‘Angelina’ PPHL07301’ PP23,702
‘Jagger’ PHL090201’ PP28,854
‘Levine’ PHL090401’ PP26,852

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

ROCKY ROAD SERIES

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

The perfect Spring groundcover for dry rock gardens.

NEW ‘Rocky Road Grape’ Red-purple flowers with unique notched petals. PPAF
‘Rocky Road Magenta’ Magenta flowers have a small, dark eye. PP31,485
‘Rocky Road Periwinkle’ Lavender-blue variety. PPAF
‘Rocky Road Pink’ PP31,486
‘Rocky Road Violet Blue’ Violet-blue variety. PPAF

Product information and culture charts at darwinperennials.com
**'AMETHYST PEARL'**  
**WALTERS GARDENS**  
**Height:** 18 in. (46 cm)  
**Bloom Months:** Summer  
**USDA Hardiness Zones:** 3a to 8b  
**PP28,487**  
Loose, rounded panicles of light amethyst-pink flowers, with foliage that stays clean. Reblooms in Fall if deadheaded.

**'PINK MINUET'**  
**WALTERS GARDENS**  
**Height:** 8 to 10 in. (20 to 25 cm)  
**Bloom Months:** Late Spring  
**USDA Hardiness Zones:** 3a to 8b  
**PPAF**  
A hybrid for Spring that blooms after *Phlox subulata*, but before *Phlox paniculata*. Rosy-pink flowers are produced over a low, mounding habit of dark green foliage.

**PHLOX (CREEPING PHLOX)**  
*Phlox hybrid*  

**'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, needle-like foliage and vivid purple flowers with notched, upturned petals.

**PHLOX (WOODLAND PHLOX)**  
*Phlox divaricata*  

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

**PHLOX (HYBRID PHLOX)**  
*Phlox paniculata*  

**'BABY DOLL PINK'**  
**NEW FOR 2021**  
**WALTERS GARDENS**  
**Height:** 12 to 16 in. (30 to 41 cm)  
**Bloom Months:** July to August  
**USDA Hardiness Zones:** 4a to 8b  
**PPAF**  
At just 1 ft. (30 cm) tall, this perennial is easy to tuck into small spaces in the garden or for use in containers. Bright pink flowers with a white halo form a mass of blooms on top of the dark green foliage.

**'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.

**'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.
KA-POW®

NEW Phlox Ka-Pow White

KA-POW® SERIES
DARWIN PERENNIALS
Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: June to August
USDA Hardiness Zones: 4b to 9a

Ka-Pow packs a punch!
- Compact Phlox paniculata series is well branched and uniform.
- Features vibrant colors and powdery mildew resistance.

Lavender ‘Balkapolav’ PP30,780
TOP SELLER Pink ‘Balkapopink’ PP30,779
Purple ‘Balkapopur’ PP30,781
NEW White Early-flowering, clear white flower with a slight blush-pink center. ‘Balkapowi’ PPAF
White Bicolor ‘Balkapowibi’ PP30,782

Product information and culture charts at darwinperennials.com
PERENNIALS WITH STAYING POWER™

**NEW FOR 2021**
**DARWIN PERENNIALS**

**PHLOX (HYBRID PHLOX)**
Phlox paniculata

**SUPER KA-POW™ SERIES**

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

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

**Fuchsia** Bright fuchsia-pink color. ‘Balsukafus’ PPAF

**Lavender** Vibrant lavender flowers. ‘Balsukalav’ PPAF

**Pink** Striking pink blooms. ‘Balsukapin’ PPAF

**White** White flower with a blush-pink eye. ‘Balsukawi’ PPAF

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**AT-A-GLANCE HEIGHT COMPARISONS**

<table>
<thead>
<tr>
<th>Series</th>
<th>Height</th>
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<tr>
<td>Ka-Pow® Series</td>
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<tr>
<td>Super Ka-Pow™ Series</td>
<td>12&quot;</td>
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<tr>
<td>‘Cherry Cream’</td>
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<tr>
<td>‘Nicky’</td>
<td></td>
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</tbody>
</table>
PHLOX
HYBRID PHLOX
Phlox paniculata

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

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

‘Fashionably Early Crystal’ Pure white flowers with a faint, light purple eye and broad, dark green foliage. PP28,679
‘Fashionably Early Flamingo’ Perfectly defined panicles of light lavender-pink flowers with broad, thick, bright green foliage. PP29,911
‘Fashionably Early Lavender Ice’ Pale lavender flowers with a lavender-pink eye over narrow, spiky, dark green foliage. PP29,912
‘Fashionably Early Princess’ Light fuchsia-pink flowers with a darker pink eye cover broad, thick, glossy green foliage. PP29,680

NEW ‘Party Girl’ Height: 28 to 32 in. (71 to 81 cm) Dark green foliage and white flowers with star-shaped, light pink centers. PP29
NEW ‘Uptown Girl’ Height: 32 to 42 in. (81 to 107 cm) A rose-pink variety with powdery mildew resistance and impressive reblooming. PPAF

TOP SELLER

GARDEN GIRLS™ COLLECTION
WALTERS GARDENS
Height: Varies by Variety
Bloom Months: July to August
USDA Hardiness Zones: 3a to 8b

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

‘Cover Girl’ Height: 32 to 42 in. (81 to 107 cm) Upright variety with lavender-violet flowers and medium green foliage. PPAF
‘Glamour Girl’ Height: 32 to 42 in. (81 to 107 cm) Bright green foliage and hot coral-pink, fragrant flowers on dark stems. Powdery mildew resistant. PP25,778
NEW ‘Party Girl’ Height: 28 to 32 in. (71 to 81 cm) Dark green foliage and white flowers with star-shaped, light pink centers. PP29
NEW ‘Uptown Girl’ Height: 32 to 42 in. (81 to 107 cm) A rose-pink variety with powdery mildew resistance and impressive reblooming. PPAF

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

Product information and culture charts at darwinperennials.com
PERENNIALS WITH STAYING POWER™

**DARWIN PERENNIALS**

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

PP29,910

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

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

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### ‘CHERRY CREAM’

**NEW FOR 2021**

**WALTERS GARDENS**

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

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

---

### ‘MAGENTA PEARL’

**NEW FOR 2021**

**WALTERS GARDENS**

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

PPAF

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

---

### ‘NICKY’

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

Intense, deep magenta-purple flower heads.

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### ‘NORAH LEIGH’

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

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

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### ‘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.

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### ‘RED RIDING HOOD’

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

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

---

### ‘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.

**Cerise ‘Verscerise’ PP26,102**

**Old Blue ‘Versoldblue’ PP26,070**

**Red ‘Versred’ PP28,144**

---

To order, please see back cover.
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 a coral-red eye and green, needle-like leaves.

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

Rosy-red blooms in early Spring.

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

The largest flowers of its type are pink with deep pink centers.

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

Clear lavender-blue flowers in early Spring.

‘EMERALD CUSHION BLUE’
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: 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, pink blooms.

‘EYE CANDY’
WALTERS GARDENS
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Late Spring
USDA Hardiness Zones: 2a to 9b
PPAF

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

‘EYE CARAMBA’
NEW FOR 2021
WALTERS GARDENS
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: April to June
USDA Hardiness Zones: 2a to 9b
PPAF

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

‘EYE SHADOW’
WALTERS GARDENS
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Late Spring
USDA Hardiness Zones: 2a to 9b
PP31,169

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

Product information and culture charts at darwinperennials.com
PERENNIALS WITH STAYING POWER™

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

‘OAKINGTON BLUE EYES’
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Early Spring
USDA Hardiness Zones: 2a to 8b
Evergreen mats of pine needle-like foliage with sky blue flowers.

‘PURPLE BEAUTY’
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Early Spring
USDA Hardiness Zones: 2a to 8b
Deep purple blooms.

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

‘RONSDORFER BEAUTY’
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: Early Spring
USDA Hardiness Zones: 2a to 8b
Rich rose-pink flowers with magenta-red center ring.

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

‘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.

‘MISS MANNERS’
Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 3a to 9b
PP12,637
White flowers against dark foliage with sturdy stems: very “well-behaved.”

‘OAKINGTON BLUE EYES’  PP29,859
Perfect for Summer flowering programs.

PHYSOSTEGIA (OBEDIENT PLANT, FALSE DRAGONHEAD)
Physostegia virginiana

‘RONSDORFER BEAUTY’

PHYSOSTEGIA Autumn Carnival

POLEMONIUM

BRISE D’ANJOU

MUST HAVE PERENNIALS®

POLEMONIUM Brise d’Anjou

To order, please see back cover.
SUNNY BORDER NURSERY

**POLEMONIUM**
*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**
*Polemonium yezoense*
*[BRESSINGHAM PURPLE]*

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

PP15,367

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

**PRUNELLA**
*Prunella hybrid*
*[SUMMER DAZE]*

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

PP19,609

Pink flower clusters and attractive oakleaf foliage and habit.

**ROSMARINUS**
*Rosmarinus officinalis*
*[ARP]*

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

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

**ROSMARINUS**
*Rosmarinus officinalis*
*[SPICE ISLAND]*

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

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

**ROSMARINUS**
*Rosmarinus officinalis*
*[TUSCAN BLUE]*

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

**TOP SELLER** Tender perennial has bushy, upright, spreading habit and larger leaves than most.
RUDBECKIA (BLACK EYED SUSAN)
*Rudbeckia fulgida var. deamii*

**‘AMERICAN GOLD RUSH’**

**NEW FOR 2021**

**INTRINSIC PERENNIAL GARDENS**

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

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4a to 10a

PP28,498

This All-America Selections Winner is quickly becoming a staple item for gardens and landscapes. Features beautiful, golden-yellow, arched petals with striking black centers. Plus, its leaves covered in fine hairs provide proven disease resistance to Septoria leaf spot.

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
*Sagina subulata*

**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)

**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 (SAGE)
*Salvia guaranitica*

**‘BLACK & BLUE’**

**PLANTS MANAGEMENT AUSTRALIA**

**Height:** 24 to 36 in. (61 to 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 hybrid*

**‘LOVE AND WISHES’**

**PLANTHAVEN INTERNATIONAL, INC.**

**Height:** 32 to 36 in. (81 to 91 cm)

**Bloom Months:** Summer to frost

**USDA Hardiness Zones:** 9a to 9b

‘SER-WISH’ PP27,057

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

‘WENDY’S WISH’

**PLANTHAVEN INTERNATIONAL, 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 atop large, glossy foliage and a compact, slightly open habit. Great for use in landscapes and containers.

To order, please see back cover.

SALVIA 87
Salvia *greggii*  

**MIRAGE™ SERIES**

**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.

**NEW** Blue  
Electric, deep-blue color. 'Balmirblue' PPAF

**TOP SELLER**  
Burgundy  
'Balmirburgundy' PP28,537

**TOP SELLER**  
Cherry Red  
Colorado State University Flower Trial 'Best of...' Award Winner  
'Balmircher' PP28,527  
Cream  
'Balmircemi'

**TOP SELLER**  
Deep Purple  
'Balmirdepur' PP28,538

**TOP SELLER**  
Hot Pink  
'Balmirhopi'

**TOP SELLER**  
Neon Rose  
'Balmirnose'

**TOP SELLER**  
Pink  
'Balmirpink'

**NEW** Rose Bicolor  
Large, rose and cream bicolor flowers with a rounded habit. Retains its color in the heat.  
'Balmirbicolor' PPAF

**Salmon**  
Deep salmon bloom with a dark calyx.  
'Balmirsal' PP30,729

**Soft Pink**  
'Balmirsopin'

**Violet**  
'Balmirvio' PP29,724

**White**  
Crisp, clear white blooms.  
'Balmirwite'

---

Product information and culture charts at darwinperennials.com
**PERENNIALS WITH STAYING POWER™**

**SALVIA (SAGE)**  
Salvia greggii  
Salvia hybrida

### '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

**TOP SELLER**  
Blooms all Summer long – nice in containers.

- Finally: a good, true red S. greggii meets demand for this popular color.
- Keeps its color without fading longer than other red varieties.
- Well-branched plants.

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

---

### 'BLUE BY YOU'
**DARWIN PERENNIALS**

- **Height:** 20 to 22 in. (51 to 56 cm)
- **Bloom Months:** March to September
- **USDA Hardiness Zones:** 4b to 9a  
PP31,033

**Repeats flowers throughout Spring and Summer.**

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

---

To order, please see back cover.
Salvia Arctic Blaze Fuchsia

Salvia Arctic Blaze Purple

Salvia Arctic Blaze Red

**SALVIA (SAGE)  
Salvia hybrids**

**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.

**University of Georgia Trial Gardens  
“Plants of Distinction”**

- Fuchsia ‘Novasalfuc’ PP28,619
- Purple ‘Novasalpur’ PP28,717
- Red ‘Novasalred’ PP28,620

**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

‘SAL1010-1’ PP25,183

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

**SALVIA (SAGE)**

Salvia leucantha

**‘SANTA BARBARA’**

PLANTHAVEN INTERNATIONAL, INC.

Height: 24 to 36 in. (61 to 91 cm)

Bloom Months: Mid-May to July

USDA Hardiness Zones: 8b to 10b

‘SAL1010-1’ PP25,183

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

Product information and culture charts at darwinperennials.com
**SALVIA (SAGE)**

*Salvia nemorosa*

**‘ROSE MARVEL’**

**DARWIN PERENNIALS**

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

Bloom Months: March to September

USDA Hardiness Zones: 4a to 9b

PP30,118

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

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

**AT-A-GLANCE HEIGHT COMPARISONS**

for *Salvia nemorosa*

<table>
<thead>
<tr>
<th>Marvel Collection</th>
<th>Sensation™ Medium &amp; Compact Series</th>
<th>‘Blue by You’</th>
<th>Lyrical™ Series</th>
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<tr>
<td>24”</td>
<td>12”</td>
<td></td>
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</table>
**PERENNIALS WITH STAYING POWER™**

**SALVIA (SAGE)**
*Salvia nemorosa*

**'SKY BLUE MARVEL'**

**DARWIN PERENNIALS**

- **Height:** 14 to 16 in. (36 to 41 cm)
- **Bloom Months:** March to September
- **USDA Hardiness Zones:** 4a to 9b
- **PP30,658**

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

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

**'BLUE MARVEL'**

**DARWIN PERENNIALS**

- **Height:** 10 to 12 in. (25 to 30 cm)
- **Bloom Months:** March to September
- **USDA Hardiness Zones:** 4a to 9b
- **CPBR5343; PP27,018**

The largest flowers of any *S. nemorosa*!

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

Product information and culture charts at [darwinperennials.com](http://darwinperennials.com)
LYRICAL™

Salvia Lyrical Blues

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' CPBR4639; PP22,919
Rose 'Balyricose' PP24,274
Silvertone 'Balyricsil' PP23,310
White 'Florsalwhite' PP21,243

SALVIA (SAGE)
Salvia nemorosa

To order, please see back cover.

SALVIA 93
PERENNIALS WITH STAYING POWER™

SALVIA
(SAGE)

Salvia nemorosa

SENSATION™ COMPACT SERIES
FLORENSIS, B.V.

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

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

Deep Blue ‘Florsaldblue’ PP21,297
Sky Blue ‘Florsalsbu’
White ‘Florsalcwh’

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

NEW FOR 2021
WALTERS GARDENS

Salvia Sensation Compact Deep Blue
Salvia Sensation Compact Sky Blue
Salvia Sensation Compact White

SENSATION™ MEDIUM SERIES
FLORENSIS, B.V.

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

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

Deep Blue ‘Florsaldeep’
Deep Rose ‘Florsaldro’
White ‘Florsalwh’

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

'TIDAL POOL'

Salvia ‘Tidal Pool’

Salvia Sensation Compact Deep Blue
Salvia Sensation Compact Sky Blue
Salvia Sensation Compact White

Salvia Sensation Medium Deep Blue
Salvia Sensation Medium White

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

PPAF

Salvia Sensation Medium Deep Rose

Salvia Sensation Medium White

Salvia Sensation Medium Deep Blue

Salvia Sensation Medium White

Product information and culture charts at darwinperennials.com
PERENNIALS WITH STAYING POWER™

**'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.

**'BUMBLEBERRY'**
- **WALTERS GARDENS**
- **Height:** 10 to 12 in. (25 to 30 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 3a to 8b

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

**'BUMBLEBLUE'**
- **WALTERS GARDENS**
- **Height:** 12 to 14 in. (30 to 36 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 3a to 8b

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.

**'BUMBLESNOW'**
- **WALTERS GARDENS**
- **Height:** 10 to 12 in. (25 to 30 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 3a to 8b

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

**'BUMBLESKY'**
- **WALTERS GARDENS**
- **Height:** 14 to 16 in. (36 to 41 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 3a to 8b

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.

**'CARADONNA'**
- **WALTERS GARDENS**
- **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.

**'SNOW HILL'**
- **WALTERS GARDENS**
- **Height:** 12 to 14 in. (30 to 36 cm)
- **Bloom Months:** Mid-May to July
- **USDA Hardiness Zones:** 4a to 9b

Mounded, gray-green foliage with white flowers.
**SALVIA **
(GOLDEN SAGE)
*Salvia officinalis*

**'AUREA'**
Height: 24 to 30 in. (61 to 76 cm)
USDA Hardiness Zones: 5a to 8b
Golden Sage has chartreuse leaves edged in gold.

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

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

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

Strongly aromatic, gray-green foliage.

**'ICTERINA'**
Height: 18 to 24 in. (46 to 61 cm)
USDA Hardiness Zones: 6a to 10b
Fragrant, gray-green leaves with yellow margins and bluish-purple flowers in Summer.

**'PURPURASCENS'**
Height: 12 to 24 in. (30 to 61 cm)
USDA Hardiness Zones: 6a to 9b
Purple Sage has bluish-purple stems and leaves.

**'TRICOLOR'**
Height: 12 to 24 in. (30 to 61 cm)
USDA Hardiness Zones: 6a to 10b
Green, white and pink foliage with habit and scent like rest of species.

**SALVIA **
(SAGE)
*Salvia verticillata*

**'PURPLE RAIN'**
Height: 24 in. (61 cm)
Bloom Months: June to August
USDA Hardiness Zones: 5a to 9b
Purple blooms form globes of individual florets up the stem with spacing between the globes.

**SALVIA **
(SAGE)
*Salvia pratensis*

**FASHIONISTA® SERIES**

WALTERS GARDENS
Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: May to August
USDA Hardiness Zones: 3a to 8b
The cutting edge of perennial fashion, with big, bold blooms in an array of chic and stylish colors. Excellent garden performance.

'Ballarina Pink' Soft pink flowers are held by dark mauve-pink calyces. PP29,957

‘Evening Attire’ Drought-tolerant, blue variety. PPAF

'Lilac Lipstick' Lavender-violet variety. PPAF

**TOP SELLER** 'Midnight Model' Striking violet-blue flowers are produced in a round, dense clump. PP29,498

'Moulin Rouge' Rose-pink variety. PPAF

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

Golden Sage has chartreuse leaves edged in gold.

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

Strongly aromatic, gray-green foliage.

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

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

The cutting edge of perennial fashion, with big, bold blooms in an array of chic and stylish colors. Excellent garden performance.

Soft pink flowers are held by dark mauve-pink calyces. PP29,957

Drought-tolerant, blue variety. PPAF

Lavender-violet variety. PPAF

Striking violet-blue flowers are produced in a round, dense clump. PP29,498

Rose-pink variety. PPAF

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

Product information and culture charts at darwinperennials.com
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** ‘Balfluttdu’ PP28,043

**Pure White**
This stunning, pure-white addition is a unique color for the market. Self-cleaning and long-flowering. ‘Balfluttwite’ PP30,119.

**Rose Pink** ‘Balfluttropi’ PP27,809

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**‘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.

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**‘PINK MIST’**

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

Compact, upright habit is similar to ‘Butterfly Blue’. Variety features green, textured leaves and soft pink, fully double flowers.

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**SEDUM (STONECROP)**

**Sedum**

**‘LITTLE MISS SUNSHINE’**

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

PP30,039

A groundcover Sedum that blooms in Summer with dark green, glossy foliage and tiny, yellow flowers.

---

**‘STEEL THE SHOW’**

**WALTERS GARDENS**

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

PPAF

Tiny, silvery leaves and bright, blue-green foliage. One of the latest Sedum to bloom with rich, rosy-pink flowers.

---

**‘MAJOR’**

**SEDUM (STONECROP)**

**Sedum dasyphyllum**

**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 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.

**SUNSPARKLER® SERIES**

NEW FOR 2021
GARDEN SOLUTIONS

**SEDUM** (STONECROP)
Sedum hybridum

‘VARIEGATUM’

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

Compact plants have variegated foliage with creamy margins and star-shaped, yellow blooms that mature to red.

‘BLUE SPRUCE’

Height: 3 to 6 in. (8 to 15 cm)
Bloom Months: July to August
USDA Hardiness Zones: 4a to 9b

Low-growing, spreading plants have blue, needle-like foliage and yellow flowers.

‘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 SunSparkler ‘Blue Elf’
SEDUM SunSparkler ‘Cherry Tart’
SEDUM SunSparkler Dazzleberry
SEDUM SunSparkler ‘Lime Twister’
SEDUM SunSparkler ‘Lime Zinger’
SEDUM SunSparkler ‘Plum Dazzled’
SEDUM SunSparkler ‘Wildfire’
SEDUM ‘Variegatum’
SEDUM ‘Weihenstephaner Gold’
SEDUM ‘Ogon’
SEDUM ‘Blue Spruce’

SEDUM SunSparkler ‘Blue Elf’
SEDUM SunSparkler ‘Cherry Tart’
SEDUM SunSparkler Dazzleberry
SEDUM SunSparkler ‘Lime Twister’
SEDUM SunSparkler ‘Lime Zinger’
SEDUM SunSparkler ‘Plum Dazzled’
SEDUM SunSparkler ‘Wildfire’
SEDUM ‘Variegatum’
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SEDUM SunSparkler ‘Lime Zinger’
SEDUM SunSparkler ‘Plum Dazzled’
SEDUM SunSparkler ‘Wildfire’
SEDUM ‘Variegatum’
SEDUM ‘Weihenstephaner Gold’
SEDUM ‘Ogon’
SEDUM ‘Blue Spruce’
**PRIMA ANGELINA**

Sedum rupestre

**SEDUM **

(STONECROP)

Sedum rupestre

**PRIMA ANGELINA**

DARWIN PERENNIALS

**Height:** 3 to 6 in. (8 to 15 cm)

**Bloom Months:** Does not flower

**USDA Hardiness Zones:** 4a to 9b

‘Gold Form’ CPBRAF. PPAF

A sport of Angelina, this variety offers bright color that holds throughout the season.

- Sedum Prima Angelina has a denser, more compact habit and more vivid golden color than Angelina.
- Low-growing and fast-spreading, with fleshy, needle-like foliage.
- Ideal for 1 to 2.5-qt. pot sizes.
SEDUM (STONECROP) Sedum rupestre

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

Low growing and fast spreading, with fleshy, needle-like, golden-yellow foliage.

SEDUM (STONECROP) Sedum sexangulare

‘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.

SEDUM (STONECROP) Sedum sieboldii

‘AUTUMN JOY’
Height: 18 to 24 in. (46 to 61 cm)
Bloom Months: Late Summer to Fall
USDA Hardiness Zones: 6a to 9b

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

NEW FOR 2021
‘POWDERPUFF’
WALTERS GARDENS
Height: 8 to 10 in. (20 to 25 cm)
Bloom Months: August to October
USDA Hardiness Zones: 3a to 9b
PPAF

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

SEDUM (STONECROP) Sedum spurium

‘DRAGONS BLOOD’
Height: 4 to 6 in. (10 to 15 cm)
Bloom Months: July to August
USDA Hardiness Zones: 3a to 9b

Green leaves with red margins and deep red blooms in Summer. Foliage turns bright red in Fall.

SEDUM (STONECROP) Sedum spathulifolium

‘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.

SEDUM (STONECROP) Sedum spectabile

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

Dense groundcover; striking green foliage and pink-purple blooms.

SEDUM (STONECROP) Sedum spectabile

‘SPELLBOUND’
NEW FOR 2021
WALTERS GARDENS
Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: August to October
USDA Hardiness Zones: 3a to 9b
PPAF

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

SEDUM (STONECROP) Sedum spathulifolium

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

Mat-forming, with small, rounded, green leaves tinged in pink and edged in white; pink blooms.

Product information and culture charts at darwinperennials.com
**Sedum '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.

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**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.

---

**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 (STONECROP)**

*Sedum tetractinum*

**'VERA JAMESON'**

**Height:** 10 to 16 in. (25 to 41 cm)
**Bloom Months:** August to September
**USDA Hardiness Zones:** 3a to 9b

Large clusters of pink flowers and waxy, gray-green leaves turn burgundy as summer progresses.

---

**Sempervivum '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.

---

**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.

---

**Sempervivum 'Kalinda'**

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

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

---

**Sempervivum 'Royal Ruby'**

**Height:** 2 to 8 in. (5 to 20 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.

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**Sempervivum 'Ruby Heart'**

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

Large clusters of pink flowers and waxy, gray-green leaves turn burgundy as summer progresses.

---

**Sempervivum '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.
**SILENE** (CAMPION) *Silene dioica*

**'CLIFFORD MOOR'**
- Height: 18 in. (46 cm)
- Bloom Months: May to July
- USDA Hardiness Zones: 5a to 8b
- Variegated leaves and single pink flowers.

**SOLIDAGO (GOLDENROD) *Solidago rugosa***

**'FIREWORKS'**
- Height: 36 to 48 in. (91 to 122 cm)
- Bloom Months: July to September
- USDA Hardiness Zones: 5a to 9b
- Golden-yellow flowers with wild, multi-branched panicles.

**STACHYS (LAMB'S EAR) *Stachys byzantina***

**'HELENE VON STEIN'**
- Height: 12 in. (30 cm)
- Bloom Months: June to July
- USDA Hardiness Zones: 4a to 9b
- Clump-forming habit with big, broad leaves and velvety-soft, greenish-silver foliage. Great for edging, border gardens and containers.

**STACHYS (LAMB'S EAR) *Stachys byzantina***

**'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.

**SOLIDAGO (GOLDENROD) *Solidago byzantina***

**'HUMLEMO'**
- Height: 20 in. (51 cm)
- Bloom Months: June to July
- USDA Hardiness Zones: 4a to 9b
- Compact clumps of textured, glossy green foliage with spikes of purple flowers.

**STEVIA (STEVIA) *Stevia rebaudiana***

**'SWEET LEAF'**
- Height: 18 to 30 in. (46 to 76 cm)
- USDA Hardiness Zones: 9a to 11
- Tender perennial used as a dietary supplement; dried leaves are many times sweeter than sugar.

**TEUCRIUM (GERMANDER) *Teucrium chamaedrys***

**'HIGHLAND CREAM'**
- Height: 2 in. (5 cm)
- USDA Hardiness Zones: 3a to 8b
- ‘Hartington Silver’
  - Small, green leaves with creamy-white margins and tiny flowers of palest pink in late Spring.

**THYMUS (THYME) *Thymus praecox***

**'ALBIFLORUS'**
- Height: 2 in. (5 cm)
- USDA Hardiness Zones: 4a to 9b
- Low-growing habit with green leaves and white flowers.

**THYMUS (THYME) *Thymus praecox***

**'COCCINEUS' CREEPING THYME**
- Height: 2 to 4 in. (5 to 10 cm)
- USDA Hardiness Zones: 5a to 9b
- Low-growing perennial with small, elliptical, green leaves and fuchsia-red blooms in Summer.

**THYMUS (THYME) *Thymus praecox***

**'HIGHLAND CREAM'**
- Height: 2 in. (5 cm)
- USDA Hardiness Zones: 3a to 8b
- ‘Hartington Silver’
  - Small, green leaves with creamy-white margins and tiny flowers of palest pink in late Spring.

**THYMUS (THYME) *Thymus praecox***

**'HIGHLAND CREAM'**
- Height: 2 in. (5 cm)
- USDA Hardiness Zones: 3a to 8b
- ‘Hartington Silver’
  - Small, green leaves with creamy-white margins and tiny flowers of palest pink in late Spring.
### Woolly Thyme

#### 'PSEUDOLANUGINOSUS'

**Height:** 2 to 4 in. (5 to 10 cm)
**USDA Hardiness Zones:** 5a to 9b
Woolly creeper with gray foliage and white flowers; good for dry locations.

#### WOOLLY THYME

**Height:** 2 to 4 in. (5 to 10 cm)
**USDA Hardiness Zones:** 5a to 9b
Woolly creeper with gray foliage and white flowers; good for dry locations.

#### THYMUS (THYME)

**Height:** 2 to 4 in. (5 to 10 cm)
**USDA Hardiness Zones:** 5a to 9b
Woolly creeper with gray foliage and white flowers; good for dry locations.

#### 'ELFIN'

**Height:** 1 in. (3 cm)
**USDA Hardiness Zones:** 4a to 9b
Tight, creeping groundcover with mats of tiny, dark green foliage and pink flowers in Summer.

#### 'MAGIC CARPET'

**Height:** 2 in. (5 cm)
**USDA Hardiness Zones:** 4a to 9b
Tiny, pink flowers float over mats of green, slightly hairy foliage.

#### 'PINK CHINTZ'

**Height:** 1 in. (3 cm)
**USDA Hardiness Zones:** 4a to 9b
Mat-forming creeper with tiny, green leaves and pink flowers.

### English Thyme

**THYMUS (THYME)**
*Thymus vulgaris*

#### ENGLISH

**Height:** 6 to 8 in. (15 to 20 cm)
**USDA Hardiness Zones:** 4a to 9b
Popular culinary variety has rounded leaves, purple-pink flowers and a semi-creeping habit.

#### FRENCH

**Height:** 6 to 8 in. (15 to 20 cm)
**USDA Hardiness Zones:** 4a to 9b
Purple to white flowers with narrow, fragrant, green leaves.

### Creeping Thyme

**THYMUS (THYME)**
*Thymus x citriodorus*

#### 'DOONE VALLEY’

**Height:** 1 to 2 in. (3 to 5 cm)
**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.

#### GOLDEN LEMON

**Height:** 4 in. (10 cm)
**USDA Hardiness Zones:** 6a to 9b
Lemon-scented, green leaves and lavender-pink flowers.

#### 'SILVER EDGED'

**Height:** 4 in. (10 cm)
**USDA Hardiness Zones:** 4a to 9b
Narrow, green leaves with variable silver variegation, lavender-pink flowers and no lemon fragrance.

#### 'SILVER KING'

**Height:** 4 in. (10 to 13 cm)
**USDA Hardiness Zones:** 7a to 9b
Lemon-scented, medium-green leaves are splashed with cream.

#### 'SPICY ORANGE'

**Height:** 4 in. (10 cm)
**USDA Hardiness Zones:** 5a to 9b
Needle-like leaves with a spicy, orange scent; soft, lavender flowers in late Spring.

#### 'VARIEGATUS'

**Height:** 4 in. (10 cm)
**USDA Hardiness Zones:** 5a to 9b
Lemon-scented, green leaves with a thin, white-splashed margin and purple flowers.
**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 (SPIKE SPEEDWELL)**
*Veronica*

‘LAVENDER LIGHTSABER’
- **Height:** 28 to 30 in. (71 to 76 cm)
- **Bloom Months:** Summer
- **USDA Hardiness Zones:** 4a to 9b
- **PPAF**

A tall, columnar-shaped habit holds soft-lavender flowers.

**VERONICA (SPEEDWELL)**
*Veronica longifolia*

‘MONA LISA SMILE’
- **Height:** 22 to 24 in. (56 to 61 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 4a to 8b
- **‘Alllady’ PP29,854**

Sturdy, compact plant with white flower spikes; vernalization not required.

**FIRST GLORY**
- **Height:** 22 to 24 in. (56 to 61 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 4a to 9b
- **‘Alllove’ PP21,478**

Uniform, well-branched plants with short, thick spikes of brilliant pink flowers; excellent flower canopy without vernalization.

**FIRST KISS**
- **Height:** 22 to 24 in. (56 to 61 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 4a to 9b
- **‘Allkiss’ PP28,797**

Pretty pink, long-flowering addition to the First collection; vernalization not required.

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

Sturdy, compact plant with white flower spikes; vernalization not required.

**FIRST MEMORY**
- **Height:** 22 to 24 in. (56 to 61 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 4a to 9b
- **‘Allv1461’ PP29,059**

Nice, soft blue, long-flowering addition to the First collection; vernalization not required.

**FIRST MATCH**
- **Height:** 22 to 24 in. (56 to 61 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 4a to 9b
- **‘Allvglove’ PP28.059**

Attractive dark pink, long-flowering addition to the First collection; vernalization not required.

**FIRST LOVE**
- **Height:** 22 in. (56 cm)
- **Bloom Months:** Late Spring to Summer
- **USDA Hardiness Zones:** 4a to 9b
- **‘Alllove’ PP21,478**

Uniform, well-branched plants with short, thick spikes of brilliant pink flowers; excellent flower canopy without vernalization.

**WALTERS GARDENS**

‘FIRST BRIDE’
- **RENE VAN GAALEN, B.V.**
- **Height:** 16 to 22 in. (41 to 56 cm)
- **Bloom Months:** April to August
- **USDA Hardiness Zones:** 4a to 9b
- **‘Allbride’ PP29.854**

Sturdy stems sport clean, white flowers on contrasting, dark green foliage. Frost-tolerant and disease-resistant Veronica can be used as a garden cut flower, while also flourishing in landscapes and gardens.

**VERONICA ‘Lavender Lightsaber’**
- **WAL TERS GARDENS**
- **Height:** 28 to 30 in. (71 to 76 cm)
- **Bloom Months:** Summer
- **USDA Hardiness Zones:** 4a to 9b
- **PPAF**

A tall, columnar-shaped habit holds soft-lavender flowers.

**PRODUCT INFORMATION AND CULTURE CHARTS AT darwinperennials.com**

Veronica ‘Mona Lisa Smile’

Veronica First Bride

Veronica First Glory

Veronica First Kiss

Veronica ‘Lavender Lightsaber’

Verena ‘Lollipop’

Verena ‘Homestead Purple’

Veronica First Lady

Veronica First Love

Veronica First Match

Veronica First Memory
**PERENNIALS WITH STAYING POWER™**

**BLUE SKYWALKER**
WALTERS GARDENS
Height: 28 to 30 in. (71 to 76 cm)
Bloom Months: Summer
USDA Hardiness Zones: 4a to 9b
PP29,406

*TOP SELLER* This taller perennial provides height in the garden without too much horizontal space. Lavender-blue flower spikes cover the top half of an incredibly upright, dense habit of dark green leaves.

**FOREVER BLUE**
DARWIN PERENNIALS
Height: 16 to 18 in. (41 to 46 cm)
Bloom Months: June to October
USDA Hardiness Zones: 4b to 9a
‘Balverevlu’ PP31,087

No seed set for longer blooming.
- Striking Veronica produces continuous, deep blue flowers throughout Summer to Fall.
- Excellent branching.
- Rich, deep blue color.
- Mildew resistant.
- Larger than Moody Blues.

**PERFECTLY PICASSO**
WALTERS GARDENS
Height: 22 to 26 in. (56 to 66 cm)
Bloom Months: Summer
USDA Hardiness Zones: 4a to 9b
PP29,720

Paintbrush-like spikes produce white buds that open to medium pink flowers, creating a bicolor look. Attractive flowers cover the top half of the plant, showing off its healthy, medium green leaves on a beautifully rounded habit.

**ROYAL REMBRANDT**
WALTERS GARDENS
Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: Summer
USDA Hardiness Zones: 4a to 9b
PP29,377

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

**VERY VAN GOGH**
WALTERS GARDENS
Height: 18 to 20 in. (46 to 51 cm)
Bloom Months: Summer
USDA Hardiness Zones: 4a to 8b
PP27,428


**VENICE BLUE**
FLORENSIS, B.V.
Veronica austriaca

Easy-to-grow Veronica makes an excellent season extender! It requires less vernalization than other austriaca types; features strong, upright stems for outstanding show at retail and in the garden. Plus, this early Spring-flowering variety loves the heat.

To order, please see back cover.
**MOODY BLUES® SERIES**

**DARWIN PERENNIALS**

**Height:** 12 to 14 in. (30 to 36 cm)

**Bloom Months:** May to October

**USDA Hardiness Zones:** 4b to 9b

Compact series of first-year-flowering Veronica.

- Excellent 1-gallon and 2.5-quart production with great uniformity and habit.
- Continues to cycle and bloom all season until first frost.
- Compact, tidy habit is great for any garden or mixed container.
- No vernalization is required.

**TOP SELLER** Dark Blue

'Novaverblu' PP26,602

Dark Pink A long-flowering, deep pink addition to the series.

'Balmoodink' PPAF

Mauve 'Balmoomau' PPAF

Pink 'Novaverpin' PP25,748

Sky Blue 'Novaversky' PP27,835

White 'Novaverwhi'

Product information and culture charts at darwinperennials.com
**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

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

**VERONICA (SPEEDWELL)**
Veronica peduncularis

**‘GEORGIA BLUE’**

- **Height:** 8 in. (20 cm)
- **Bloom Months:** March to April
- **USDA Hardiness Zones:** 5a to 8b

Dense, gray-green, low-growing foliage has taller flowering stems covered with intense blue flowers.

**‘WATERPERRY BLUE’**

**DARWIN PERENNIALS**

- **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

Sport of ‘Waterperry Blue’ that produces bright white flowers on burgundy-green foliage.

**VERONICA (SPEEDWELL)**
Veronica repens

**‘SUNSHINE’**

- **Height:** 1 to 4 in. (3 to 10 cm)
- **Bloom Months:** June to July
- **USDA Hardiness Zones:** 4a to 8b

Groundcover type, creeping with white blooms on gold foliage.

**VERONICA (SPEEDWELL)**
Veronica spicata

**‘GILES VAN HEES’**

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

Dwarf form with dark green foliage and short, bright pink flower spikes.

**‘RED FOX’**

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

Produces rose-red spikes in Summer.

**ROYAL CANDLES**

**PLANTHAVEN INTERNATIONAL, INC.**

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

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

**‘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 INTERNATIONAL, INC.**

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

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.
**HALO SERIES**

**Viola cornuta**

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

**Bloom Months:** February to October

**USDA Hardiness Zones:** 4b to 9b

Excellent hardiness for long-lasting garden enjoyment.

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

- **'Halo Golden Yellow’** An excellent rich, golden-yellow color addition to the series. PP30,900
- **'Halo Lemon Frost’** Extra-large, two-toned flowers captivate customers for early sales. PP26,383
- **'Halo Lilac’** PP24,542
- **'Halo Sky Blue’** PP24,541
- **'Halo Violet’** PP24,428

**Product information and culture charts at darwinperennials.com**
PERENNIALS WITH STAYING POWER™

CELESTIAL™ SERIES

PLANTHAVEN INTERNATIONAL, 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. Oversummers and overwinters; 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

CELESTIAL is a U.S. trademark of Planthaven International, Inc.

WALDSTEINIA

**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 (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**

**‘ETAIN’**

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

Compact variety flowers profusely in Spring and Fall with large, fragrant, bicolor blooms.
## REGIONAL TOP PICKS

This chart highlights top varieties from Darwin Perennials that will grow best in each season and region.

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<td>Penstemon MissionBells Deep Rose, Quartz, Rock Candy</td>
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<td>Salvia Lyrical, Marvel</td>
<td>Salvia Lyrical, Marvel</td>
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<td>Veronica Moody Blues</td>
<td>Veronica Moody Blues</td>
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<td>Scabiosa Flutter</td>
<td>Scabiosa Flutter</td>
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<td><strong>FALL</strong></td>
<td>Achillea Milly Rock, New Vintage</td>
<td>Achillea Milly Rock, New Vintage</td>
<td>Achillea Milly Rock, New Vintage</td>
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<tr>
<td></td>
<td>Armeria Dreameria</td>
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<td></td>
<td>Caryopteris UpTick</td>
<td>Caryopteris 'Gold Crest'</td>
<td>Caryopteris 'Gold Crest'</td>
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<tr>
<td></td>
<td>Digitalis Arctic Fox Rose</td>
<td>Digitalis Arctic Fox Rose</td>
<td>Digitalis Arctic Fox Rose</td>
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<td></td>
<td>Echinacea Sombrero</td>
<td>Echinacea Sombrero</td>
<td>Echinacea Sombrero</td>
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<tr>
<td></td>
<td>Helianthus ‘Autumn Gold’</td>
<td>Helianthus ‘Autumn Gold’</td>
<td>Helianthus ‘Autumn Gold’</td>
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<tr>
<td></td>
<td>Heuchera Carnival</td>
<td>Heuchera Carnival</td>
<td>Heuchera Carnival</td>
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<tr>
<td></td>
<td>Miscanthus Bandwidth</td>
<td>Miscanthus Bandwidth</td>
<td>Miscanthus Bandwidth</td>
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<tr>
<td></td>
<td>Penstemon Rock Candy</td>
<td>Penstemon Rock Candy</td>
<td>Penstemon Rock Candy</td>
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<tr>
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<td>Perovskia ‘CrazyBlue’</td>
<td>Perovskia ‘CrazyBlue’</td>
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</tr>
<tr>
<td></td>
<td>Salvia Lyrical, Marvel, Mirage</td>
<td>Salvia Lyrical, Marvel, Mirage</td>
<td>Salvia Lyrical, Marvel, Mirage</td>
</tr>
<tr>
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<td>Scabiosa Flutter</td>
<td>Scabiosa Flutter</td>
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* Many of these varieties are included in our Summer and Fall culture trials.
<table>
<thead>
<tr>
<th>CANADA</th>
<th>MIDWEST</th>
<th>GREAT LAKES</th>
<th>NORTHEAST</th>
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<tbody>
<tr>
<td>Alyssum 'Golden Spring'</td>
<td>Alyssum 'Golden Spring'</td>
<td>Alyssum 'Golden Spring'</td>
<td>Alyssum 'Golden Spring'</td>
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<tr>
<td>Dianthus Mountain Frost</td>
<td>Dianthus Mountain Frost</td>
<td>Dianthus Mountain Frost</td>
<td>Dianthus Mountain Frost</td>
</tr>
<tr>
<td>Iberis 'Snowsation'</td>
<td>Iberis 'Snowsation'</td>
<td>Iberis 'Snowsation'</td>
<td>Iberis 'Snowsation'</td>
</tr>
<tr>
<td>Lavender ‘Anouk’</td>
<td>Lavender ‘Anouk’</td>
<td>Lavender ‘Anouk’</td>
<td>Lavender ‘Anouk’</td>
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<tr>
<td>Viola Halo</td>
<td>Phlox subulata</td>
<td>Phlox subulata</td>
<td>Phlox subulata</td>
</tr>
<tr>
<td>Veronica Moody Blues</td>
<td>Veronica Moody Blues</td>
<td>Veronica Moody Blues</td>
<td>Veronica Moody Blues</td>
</tr>
<tr>
<td>viola Halo</td>
<td>Viola Halo</td>
<td>Viola Halo</td>
<td>Viola Halo</td>
</tr>
</tbody>
</table>

**REGIONAL TOP PICKS**

- Alyssum 'Golden Spring'
- Dianthus Mountain Frost
- Iberis 'Snowsation'
- Lavender ‘Anouk’
- Viola Halo
- Veronica Moody Blues
- viola Halo
TOP PERFORMERS IN EVERY REGION

AVAILABLE FROM OUR LICENSED YOUNG PLANT SUPPLIERS AROUND THE COUNTRY

Great Lakes
Digitalis Arctic Fox Rose
Lavandula ‘SuperBlue’
Nepeta Blue Prelude

Midwest
Achillea ‘Milly Rock’ Series
Salvia Marvel — Blue, Rose, Sky Blue

Northeast
Armeria Dreameria® Series
Miscanthus Bandwidth
Penstemon Rock Candy® Series

Pacific Northwest
Alyssum ‘Golden Spring’
Coreopsis ‘Super Star’
Lavandula ‘Anouk’

Southeast
Iberis ‘Snowsation’
Penstemon Quartz® Series
Salvia Lyrical™ Series

Southwest
Coreopsis UpTick™ Series
Salvia Mirage™ Series
Viola Halo Series

Canada
Dianthus Mountain Frost™ Collection
Echinacea Sombrero® Series
Phlox Ka-Pow® Series

Darwin Perennials Trial and Award Winners

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

Achillea New Vintage™ White, page 20
Dallas Arboretum “FlameProof Award 2018-2019”

Caryopteris ‘Gold Crest’, page 35
University of Georgia 2019 “Best of the Best” Award Winner

Coreopsis ‘Electric Sunshine’, page 36
University of Georgia 2018 “Plants of Distinction” Award Winner

Coreopsis ‘Super Star’, page 37
University of Georgia 2018 Award Winner in the categories of “Industry Top Picks”, “People’s Choice” and “Best of the Best”

Dianthus Mountain Frost™ Pink Twinkle, page 11
Metrolina Trials 2019 “Best Performing Plant Varieties” Award Winner

Digitalis Arctic Fox Rose, page 42
Raker Trials 2019 “Top Performer” Award Winner

Echinacea Sombrero® Baja Burgundy, page 12
2020 All-America Selections Winner

Echinacea Sombrero® Tres Amigos, page 13
University of Georgia 2018 “Classic City Award” and “People’s Choice” Award Winner

Eupatorium Euphoria™ Ruby, page 43
University of Georgia 2019 “Best of the Best” Award Winner

Helianthus ‘Autumn Gold’, page 48
Dallas Arboretum “FlameProof Award 2018-2019”

Iberis ‘Summer Snowdrift’, page 50
Colorado State University Flower Trial 2018 “Outstanding Plants”

Miscanthus Bandwidth, page 18
Dallas Arboretum “FlameProof Award 2018”
Colorado State University Flower Trial 2019 “Top Performer”

Veronica Forever Blue, page 105
University of Georgia 2018 “Plants of Distinction” Award Winner
CULTURE GUIDE: ALL YOU NEED TO GROW THE FINEST PERENNIALS IN THE INDUSTRY.
TRIALING PROGRAM GOALS
• Learn how Darwin Perennials varieties perform with varying transplant dates.
• Develop production protocols that will help growers deliver quality finished perennials to retailers, wholesalers and landscapers.
• Learn how to use Darwin Perennials varieties to increase sales for Spring, Summer and Fall.

TRIALS
• Introduced 17 outstanding varieties to our trials this year.
• Includes 60+ varieties of Darwin Perennials plants.
• Provides the culture data you need to bring fresh products to retail with multiple ship dates throughout the Spring, Summer and Fall.

ADVANTAGES
• Learn how your growers can turn production space with Darwin Perennials varieties. This creates increased revenue and profit without investing in new production space.
• Retailers – increase color diversity to consumers.
• Landscapers – offer fresh color Spring, Summer and Fall.

Visit www.darwinperennials.com/Culture for a full, current listing and photos of all trialed varieties. You will also find compiled data from previous trials, additional culture and grower support information, as well as downloadable, easy-to-use scheduling tools.

NEW TO TRIALS:
NEW Achillea Milly Rock™ Yellow
NEW Lavandula Primavera
NEW Leucanthemum ‘Whitecap’
NEW Nepeta Whispurr™ Series
NEW Phlox Super Ka-Pow™ Series

SAMPLE ONLINE SCHEDULING TOOL
Below is an example of the online scheduling tools you will find at darwinperennials.com/Culture/ProductionGuides. This tool allows you to select a specific finish date and provides a transplant date along with best practices and growing protocols.

SALVIA MARVEL COLLECTION
Program: Spring, Summer and Fall
No vernalization required to flower
Colors: Blue, Rose, Sky Blue
North: grown outdoor flowering window weeks 23-37
South: grown outdoor flowering window weeks 19-40

<table>
<thead>
<tr>
<th>Season</th>
<th>Week color desired</th>
<th>Transplant Week</th>
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<tr>
<td>Spring - Early Summer Programs</td>
<td>23</td>
<td>13</td>
</tr>
<tr>
<td>Late Summer - Fall Programs</td>
<td>40</td>
<td>33</td>
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Finished Production Protocols:

<table>
<thead>
<tr>
<th>Oty.</th>
<th>1 ppp</th>
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<tbody>
<tr>
<td>Container</td>
<td>2.5 qt</td>
</tr>
<tr>
<td>Soil</td>
<td>Well drained that will dry between waterings pH 5.8 to 6.2</td>
</tr>
<tr>
<td>Feed</td>
<td>Well balanced 125-150 ppm Periodic calcium based helps maximize nutrients</td>
</tr>
<tr>
<td>Water</td>
<td>Dry between waterings - NO wilt Never saturate plants Leach regularly</td>
</tr>
<tr>
<td>Pinching</td>
<td>Pinching generally not required. Salvia nemorosa are well branched Flower buds should be removed while plants are developing</td>
</tr>
<tr>
<td>PGR</td>
<td>Under most conditions none needed Will respond to B-Nine/Cycocel at 1,500/800 ppm if needed</td>
</tr>
</tbody>
</table>

Darwin Perennials offers the most innovative solutions for your growing challenges through new and improved perennial genetics. We are able to provide the best products on the market thanks to our extensive trialing and culture research at our facility in West Grove, PA. The results from these culture trials are available for many of our varieties at darwinperennials.com/Culture/ProductionGuides – so you can take full advantage of all that our top-performing perennials have to offer.
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 up to four weeks.

OVERWINTERING
The keys to success when overwintering perennials are:

• Avoid standing water
• Provide adequate air circulation
• Use preventative disease treatments
• Remove dead leaf/tissue
• Utilize rodent control
• Low media EC when entering dormancy
• Avoid freeze and thaw cycles

The overwintering area, whether in a field or hoop house, should be sloped so that rain or other water sources cannot accumulate. In climates where Winter conditions freeze and thaw, cover prior to freeze and uncover as soon as possible. Where temperatures remain below freezing, cover after first freeze and maintain the cover until late Winter or early Spring when weather moderates. Remove dead and absiscing leaves from herbaceous perennials like Hosta, Monarda, Helianthus 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.

To order, please see back cover.
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<tr>
<th>PAGE</th>
<th>CROP</th>
<th>SERIES/ VARIETY</th>
<th>MEDIA EC/ PH</th>
<th>SOIL TEMPERATURE</th>
<th>ROOTING HORMONE</th>
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<tbody>
<tr>
<td>23</td>
<td>ACHILLEA</td>
<td>Achillea hybrida</td>
<td>Moon Dust</td>
<td>EC 1.0-1.25 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>22</td>
<td>ACHILLEA</td>
<td>Achillea millefolium</td>
<td>Milly Rock™ Series</td>
<td>EC 1.0-1.25 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>20, 23</td>
<td>ACHILLEA</td>
<td>Achillea millefolium</td>
<td>New Vintage™ Series, Song Siren™ Layla</td>
<td>EC 1.0-1.25 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>26</td>
<td>AGASTACHE</td>
<td>Agastache rugosa</td>
<td>Little Adder</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>28</td>
<td>ALYSSUM</td>
<td>Alyssum wulfenianum</td>
<td>Golden Spring</td>
<td>EC 0.80-1.0 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>30</td>
<td>ARMERIA</td>
<td>Armeria pseudarmeria</td>
<td>Dreameria® Series</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>70-74°F (21-23°C)</td>
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<tr>
<td>35</td>
<td>CARYOPTERIS</td>
<td>Caryopteris x clandonensis</td>
<td>Gold Crest, Grand Bleu®</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>39</td>
<td>COREOPSIS</td>
<td>Coreopsis grandiflora</td>
<td>Sunny Day</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>36, 37, 38</td>
<td>COREOPSIS</td>
<td>Coreopsis hybridra</td>
<td>Electric Sunshine, Golden Stardust, Super Star, UpTick™ Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>39</td>
<td>COREOPSIS</td>
<td>Coreopsis verticillata</td>
<td>Crème Caramel, Sylvester</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>11</td>
<td>DIANTHUS</td>
<td>Dianthus hybrida</td>
<td>Mountain Frost™ Collection</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>68-70°F (20-21°C)</td>
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<td>42</td>
<td>DIGITALIS</td>
<td>Digitalis hybrida</td>
<td>Arctic Fox Rose</td>
<td>EC 0.75-0.80 mmhos/pH 6.0-6.4</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>14, 12, 13</td>
<td>ECHINACEA</td>
<td>Echinacea x hybrida</td>
<td>Double Scoop™ Series, Sombreo® Series, Sombreo Poco™ Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>72-76°F (21-24°C)</td>
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<td>43</td>
<td>EUPATORIUM</td>
<td>Eupatorium dubium</td>
<td>Little Joe</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>43</td>
<td>EUPATORIUM</td>
<td>Eupatorium purpureum</td>
<td>Euphoria™ Ruby</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>MIST</td>
<td>FERTILIZATION</td>
<td>PINCHING</td>
<td>TRANSPLANTING</td>
<td>COMMENTS</td>
<td></td>
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<tr>
<td>Low to moderate</td>
<td>50-75 ppm N</td>
<td>Not necessary, remove premature flowers.</td>
<td>28-35 days after sticking</td>
<td>Do not over-mist.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N</td>
<td>Pinch to remove flower buds.</td>
<td>35-42 days after sticking</td>
<td>Mist enough to rehydrate cuttings. Do not over-mist beyond Day 2 or 3. Do not stick cuttings too deep. Tall leaves can be trimmed if necessary.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N</td>
<td>Not necessary, remove premature flowers.</td>
<td>28-35 days after sticking</td>
<td>Do not over-mist.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>28-35 days after sticking</td>
<td>Stick cuttings the day of arrival, if possible.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>50-75 ppm N</td>
<td>Recommended: Soft pinch. Lower nodes may become inactive.</td>
<td>35-42 days after sticking</td>
<td>This alyssum requires light mist and soil moisture. Can be rooted under a dome or tent. Do not over-mist.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>100 ppm N starting at Day 7</td>
<td>Not necessary.</td>
<td>42-46 days after sticking</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N</td>
<td>Pinch once in the liner stage.</td>
<td>35-42 days after sticking</td>
<td>Discontinue mist as quickly as possible once rooting occurs.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Pinch once in the liner stage.</td>
<td>28-35 days after sticking</td>
<td>Begin fertilizing 7 days after stick. Avoid over-misting.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Pinch once in the liner stage.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>50-75 ppm N</td>
<td>Pinch once in the liner stage and once after transplant for best results.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Very low</td>
<td>50 ppm N starting at Day 7</td>
<td>Pinch to remove any flower buds.</td>
<td>42-49 days after sticking</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N</td>
<td>Not typical in propagation.</td>
<td>42-49 days after sticking</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Low; prefers high humidity to mist</td>
<td>50 ppm N starting at Day 7</td>
<td>Not necessary.</td>
<td>49-56 days after sticking</td>
<td>Please refer to our complete Tissue Culture Echinacea guide at DarwinPerennials.com for detailed rooting information.</td>
<td></td>
</tr>
<tr>
<td>High for first few days, then reduce to moderate.</td>
<td>50-100 ppm N</td>
<td>Recommended.</td>
<td>42-49 days after sticking</td>
<td>Eupatorium are quite easy to root. Use a basal hormone tip to ensure rooting uniformity.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50 ppm N starting at Day 7</td>
<td>Yes, pinch once in propagation around Day 21.</td>
<td>42-49 days after sticking</td>
<td>Eupatorium are quite easy to root. Use a basal hormone tip to ensure rooting uniformity.</td>
<td></td>
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### DARWIN PERENNIALS PROPAGATION GUIDE

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<tr>
<td>46</td>
<td><strong>GAURA</strong></td>
<td>Gaura lindheimeri</td>
<td>Ballerina™ Series, Bella™ Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>68-73°F (20-23°C)</td>
</tr>
<tr>
<td>45</td>
<td><strong>GAURA</strong></td>
<td>Gaura lindheimeri</td>
<td>Little Janie, Whiskers Deep Rose</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>47</td>
<td><strong>HELENIUM</strong></td>
<td>Helinium autumnale</td>
<td>Salud™ Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>48</td>
<td><strong>HELIANTHUS</strong></td>
<td>Helianthus salicifolius</td>
<td>Autumn Gold</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>70-74°F (21-23°C)</td>
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<td>49, 48</td>
<td><strong>HELIOPSIS</strong></td>
<td>Heliopsis helianthoides</td>
<td>Double Sunstruck, Sunstruck</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td><strong>HEUCHERA</strong></td>
<td>Heuchera x hybrida</td>
<td>Carnival Series</td>
<td>EC 0.80-1.0 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>52</td>
<td><strong>IBERIS</strong></td>
<td>Iberis gibraltarica</td>
<td>Lavish</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<tr>
<td>50</td>
<td><strong>IBERIS</strong></td>
<td>Iberis hybrid</td>
<td>Summer Snowdrift</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>51</td>
<td><strong>IBERIS</strong></td>
<td>Iberis sempervirens</td>
<td>Snowsation</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>68-72°F (20-22°C)</td>
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<td>53</td>
<td><strong>LAVANDULA</strong></td>
<td>Lavandula angustifolia</td>
<td>Annet. SuperBlue</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>56, 57</td>
<td><strong>LAVANDULA</strong></td>
<td>Lavandula stoechas</td>
<td>Anouk Series, Bright Luxurious, Luxurious</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>55</td>
<td><strong>LAVANDULA</strong></td>
<td>Lavandula stoechas</td>
<td>Primavera</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>61</td>
<td><strong>LEUCANTHEMUM</strong></td>
<td>Leucanthemum x superbum</td>
<td>Santé</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td><strong>LEUCANTHEMUM</strong></td>
<td>Leucanthemum x superbum</td>
<td>White Magic</td>
<td>EC 0.80 mmhos/pH 5.8-6.4</td>
<td>68-74°F (20-23°C)</td>
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<td>59</td>
<td><strong>LEUCANTHEMUM</strong></td>
<td>Leucanthemum x superbum</td>
<td>Whitecap</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
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<td>MIST</td>
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<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>75-100 ppm N when roots become visible. Increase to 150-200 ppm N as roots develop</td>
<td>Yes, 7 days before transplanting.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N when roots become visible</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td>42-49 days after sticking</td>
<td>Pinch once in the liner stage.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>Feed at 100 ppm N after 9 days</td>
<td>Pinch once shoots elongate for best branching.</td>
<td>35-42 days after sticking</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>50-75 ppm N when roots become visible</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>35-42 days after sticking</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N after 14 days</td>
<td>Not necessary.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N when roots become visible</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>28-35 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N when roots become visible</td>
<td>Recommended after roots are established. Leave active internodes.</td>
<td>28-35 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation. Cuttings typically arrive with flowers already induced due to cool night temperatures in Colombia. Non-induced cuttings require 6 weeks of night temperatures below 55°F (13°C) to flower.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>100 ppm N starting at Day 10</td>
<td>Yes, pinch after 4 weeks. Can be double pinched in the liner stage for even greater branching.</td>
<td>42-49 days after sticking</td>
<td>Iberis benefit from a basal IBA dip prior to sticking. Do not over-mist or high losses can occur.</td>
<td></td>
</tr>
<tr>
<td>Low: prefers high humidity rather than mist.</td>
<td>50-75 ppm N</td>
<td>Recommended.</td>
<td>42-56 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Low: prefers high humidity rather than mist.</td>
<td>50-75 ppm N</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>42-56 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Low: prefers high humidity rather than mist.</td>
<td>50 ppm N starting at Day 7</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>42-56 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>50-75 ppm N</td>
<td>Not typically necessary.</td>
<td>42-56 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>75-100 ppm N starting at Day 7</td>
<td>Pinch while young plants are soft and actively growing.</td>
<td>35-42 days after sticking</td>
<td>Pinch any premature buds as they become visible.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50 ppm N starting at Day 7</td>
<td>Pinch 21 days after sticking.</td>
<td>35-42 days after sticking</td>
<td>For fastest, most reliable rooting, do not oversaturate rooting media.</td>
<td></td>
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<td>MONARDA Monarda didyma</td>
<td>Balm™ Series</td>
<td>EC 1.0-1.25 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>67</td>
<td>NEPETA Nepeta faassenii</td>
<td>Whispun™ Series</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>70</td>
<td>NEPETA Nepeta x faassenii</td>
<td>Blue Prelude</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500-1000 ppm IBA</td>
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<td>72</td>
<td>PENSTEMON Penstemon barbatus</td>
<td>Rock Candy® Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>74, 73, 75</td>
<td>PENSTEMON Penstemon hybrid</td>
<td>Cherry Sparks, Little Bells, MissionBell®, Deep Rose, Quartz® Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>73</td>
<td>PENSTEMON Penstemon hybrid</td>
<td>Mini-Bells™ Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>77, 76</td>
<td>PEROVSKIA Perovskia atriplicifolia</td>
<td>CrazyBlue, Little Lace</td>
<td>EC 1.0-1.25 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>1000-1500 ppm IBA</td>
</tr>
<tr>
<td>83, 80, 81</td>
<td>PHLOX Phlox paniculata</td>
<td>Cherry Cream, Ka-Pow®, Series, Super Ka-Pow® Series</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>68-74°F (20-23°C)</td>
<td>500 ppm IBA</td>
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<td>88</td>
<td>SALVIA Salvia greggii</td>
<td>Mirage™ Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>89</td>
<td>SALVIA Salvia greggii</td>
<td>Radio Red</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>90</td>
<td>SALVIA Salvia hybridra</td>
<td>Arctic Blaze® Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>89</td>
<td>SALVIA Salvia hybridra</td>
<td>Blue by You</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>1000 ppm IBA</td>
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<td>SALVIA Salvia nemorosa</td>
<td>Blue Marvel</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>1000 ppm IBA</td>
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<td>COMMENTS</td>
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<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Recommended.</td>
<td>28-35 days after sticking</td>
<td>Do not oversaturate rooting media. Use long-day lighting when day length is less than 12 hours to keep plants actively growing.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>50-75 ppm N</td>
<td>Yes, pinch 14-18 days after stick</td>
<td>35-42 days after sticking</td>
<td>Nepeta root easily. Over-misting causes slow rooting and leaf spot diseases.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Recommended.</td>
<td>35-42 days after sticking</td>
<td>Roots quickly. Plan to pinch in liner tray.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Recommended.</td>
<td>35-42 days after sticking</td>
<td>Roots quickly. Plan to pinch in liner tray.</td>
<td></td>
</tr>
<tr>
<td>Moderate to high</td>
<td>50-75 ppm N</td>
<td>Recommended.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).</td>
<td></td>
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<tr>
<td>for first 24 hours, then reduce to low.</td>
<td></td>
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<tr>
<td>Moderate to high</td>
<td>50-75 ppm N</td>
<td>Recommended.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).</td>
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<td>for first 24 hours, then reduce to low.</td>
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<tr>
<td>Low to moderate</td>
<td>50-75 ppm N when roots become visible</td>
<td>Recommended.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media.</td>
<td></td>
</tr>
<tr>
<td>Moderate to high</td>
<td>50-75 ppm N after 10 days</td>
<td>Recommended.</td>
<td>35-42 days after sticking</td>
<td>Do not oversaturate rooting media. Allow media to dry moderately starting 10 days after sticking to encourage root development.</td>
<td></td>
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<tr>
<td>for first 24 hours, then reduce to low.</td>
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<td></td>
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</tr>
<tr>
<td>Low to moderate</td>
<td>75-100 ppm N starting at Day 7</td>
<td>Yes, while young plants are soft and actively growing. Allow at least two leaf internodes at each pinch.</td>
<td>42-49 days after sticking</td>
<td>Plants grow more actively under long days. Use 13-hour extended day lighting for Winter propagation.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>35-42 days after sticking</td>
<td>Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>35-42 days after sticking</td>
<td>Begin fertilizing 7 days after stick.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>35-42 days after sticking</td>
<td>Roots quickly. Plan to pinch in liner tray.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>50-75 ppm N at Day 7</td>
<td>A soft pinch will increase branching.</td>
<td>35-42 days after sticking</td>
<td>Discontinue mist as quickly as possible and only mist to avoid leaf wilt. Begin feeding 7 days after sticking with 50-75 ppm N.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>50-75 ppm N at Day 7</td>
<td>A soft pinch will increase branching.</td>
<td>35-42 days after sticking</td>
<td>Discontinue mist as quickly as possible and only mist to avoid leaf wilt.</td>
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<td>93</td>
<td>SALVIA Salvia nemorosa</td>
<td>Lyrical™ Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>1,000 ppm IBA</td>
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<td>91, 92</td>
<td>SALVIA Salvia nemorosa</td>
<td>Rose Marvel, Sky Blue Marvel</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>1,000 ppm IBA basal dip</td>
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<td>SCABIOSA Scabiosa columbaria</td>
<td>Flutter™ Series</td>
<td>EC 0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>1,000 ppm IBA</td>
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<td>SEDUM Sedum rupestre</td>
<td>Prima Angelina</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>105</td>
<td>VERONICA Veronica austriaca</td>
<td>Venice Blue</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>106</td>
<td>VERONICA Veronica hybrida</td>
<td>Moody Blues® Series</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<tr>
<td>105</td>
<td>VERONICA Veronica longifolia</td>
<td>Forever Blue</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>VERONICA Veronica x hybrida</td>
<td>Purpleicious</td>
<td>EC 0.75-0.80 mmhos/pH 5.8-6.2</td>
<td>70-72°F (21-22°C)</td>
<td>500 ppm IBA</td>
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<td>108</td>
<td>VIOLA Viola cornuta</td>
<td>Halo Series</td>
<td>EC 0.80-1.0 mmhos/pH 5.5-5.8</td>
<td>70-72°F (21-22°C)</td>
<td>500-750 ppm IBA</td>
</tr>
<tr>
<td>MIST</td>
<td>FERTILIZATION</td>
<td>PINCHING</td>
<td>TRANSPLANTING</td>
<td>COMMENTS</td>
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</tr>
<tr>
<td>Low</td>
<td>50-75 ppm N at Day 7</td>
<td>A soft pinch will increase branching.</td>
<td>35-42 days after sticking</td>
<td>Discontinue mist as quickly as possible and only mist to avoid leaf wilt. Begin feeding 7 days after sticking with 50-75 ppm N.</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>50-75 ppm N at Day 7</td>
<td>A soft pinch will increase branching.</td>
<td>35-42 days after sticking</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Low to moderate</td>
<td>75-100 ppm N starting at Day 10</td>
<td>Typically not necessary. Remove premature flower buds as they appear.</td>
<td>42-49 days after sticking</td>
<td>Scabiosa cuttings are sensitive to over-misting and over-watering in propagation.</td>
<td></td>
</tr>
<tr>
<td>Very low</td>
<td>50-75 ppm N</td>
<td>Typically not necessary in propagation.</td>
<td>35-42 days after sticking</td>
<td>Do not over mist. Over saturated rooting media will slow the rooting process and contribute to stem rot. Remove from mist environment as soon as roots appear.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>35-42 days after sticking</td>
<td>Roots quickly. Plan to pinch in liner tray.</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
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<td>Moderate</td>
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<td></td>
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<tr>
<td>Moderate</td>
<td>50-75 ppm N</td>
<td>Recommended after roots are established. Leave 4-5 active internodes.</td>
<td>35-42 days after sticking</td>
<td>Roots quickly. Plan to pinch in liner tray.</td>
<td></td>
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<tr>
<td>Moderate</td>
<td>50-75 ppm N at Day 7</td>
<td>Soft pinch recommended 25-28 days after sticking.</td>
<td>35-42 days after sticking</td>
<td>Excessive media moisture will slow rooting. Begin fertilizing at Day 7 with 75 ppm N.</td>
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## DARWIN PERENNIALS FINISHING GUIDE

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<td>Moon Dust</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 65°F (13 to 19°C) Days: 60 to 65°F (16 to 18°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry regularly between watering</td>
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<td>Achillea millefolium</td>
<td>Milky Rock™ Series</td>
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<td>Nights: 55 to 65°F (13 to 19°C) Days: 65 to 75°F (18 to 24°C)</td>
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<td>New Vintage™ Series, Song Siren™ Layla</td>
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<td>Little Adder</td>
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<td>Yes</td>
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<td>Gold Crest</td>
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<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry regularly between watering</td>
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<td>Caryopteris x clandonensis</td>
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<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry regularly between watering</td>
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<td>Coreopsis grandiflora</td>
<td>Sunny Day</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry evenly between watering</td>
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<td>Nights: 55 to 65°F (13 to 17°C) Days: 60 to 80°F (16 to 27°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
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<td>Coreopsis hybrid</td>
<td>Golden Star Dust, Super Star, UpTick™ Series</td>
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<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (16 to 27°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
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<td>Coreopsis verticillata</td>
<td>Crème Caramel</td>
<td>5.8-6.2</td>
<td>Days: 55 to 80°F (13 to 27°C)</td>
<td>Long day facultative</td>
<td>Beneficial to enhance bulking and plant size</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
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<td>COREOPSIS</td>
<td>Coreopsis verticillata</td>
<td>Sylvester</td>
<td>5.8-6.2</td>
<td>Days: 55 to 80°F (13 to 27°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry evenly between watering</td>
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<td>11</td>
<td>DIANTHUS</td>
<td>Dianthus hybrid</td>
<td>Mountain Frost™ Collection</td>
<td>5.8-6.2</td>
<td>45 to 60°F (7 to 16°C)</td>
<td>Day length neutral</td>
<td>Beneficial for an increased quantity of Spring blooms</td>
<td>3,000 to 5,000</td>
<td>Low to moderate</td>
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**FINISHING GUIDE** Product information and culture charts at darwinperennials.com
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<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Pythium and rhizoctonia can result from overwatering.</td>
<td>Unrooted: 13-15 wks Rooted: 8-10 wks</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>12-14 in. (30-36 cm)</td>
<td>5-8</td>
<td>June to July</td>
<td></td>
</tr>
<tr>
<td>Typically not required</td>
<td>Typically not required</td>
<td>Aphids on the buds</td>
<td>Rooted: 6 wks</td>
<td>Rooted: 6-8 wks</td>
<td>Not recommended</td>
<td>10-12 in. (25-30 cm)</td>
<td>5-9</td>
<td>April to September</td>
<td></td>
</tr>
<tr>
<td>Generally not required</td>
<td>PGRs generally not needed</td>
<td>Pythium and rhizoctonia can result from overwatering.</td>
<td>Unrooted: 13-15 wks Rooted: 8-10 wks</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>12-14 in. (30-36 cm)</td>
<td>4-9</td>
<td>April to September</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Thrips, white fly</td>
<td>Not recommended</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>15-18 in. (38-46 cm)</td>
<td>5-9</td>
<td>April to September</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>None noted</td>
<td>Unrooted: stick week 30-35 Rooted: plant week 35-40</td>
<td>Unrooted: stick week 26-32 Rooted: plant week 31-36</td>
<td>Unrooted: stick week 22-26 Rooted: plant week 27-31</td>
<td>6-8 in. (15-20 cm)</td>
<td>4-9</td>
<td>April to May</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>PGRs generally not needed</td>
<td>Watch for crown rot if overwatered.</td>
<td>Liner: 10-12 wks</td>
<td>Liner: 14-16 wks</td>
<td>Liner: 16-18 wks</td>
<td>10-12 in. (25-30 cm)</td>
<td>5-9</td>
<td>March to October</td>
<td></td>
</tr>
<tr>
<td>One pinch, two to three weeks after transplant.</td>
<td>PGRs generally not needed</td>
<td>Thrips, spider mites</td>
<td>Not recommended</td>
<td>Rooted: 12-14 wks</td>
<td>Rooted: 14 wks</td>
<td>28-36 in. (71-91 cm)</td>
<td>6-9</td>
<td>August to October</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>PGRs generally not needed</td>
<td>Spider mites</td>
<td>Not recommended</td>
<td>Rooted: 12-14 wks</td>
<td>Rooted: 14 wks</td>
<td>48 in. (122 cm)</td>
<td>6-9</td>
<td>August to October</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>B-Nine 1,500 ppm/Cycocel 800 ppm tank mix for height control</td>
<td>Keep good air movement to control powdery mildew.</td>
<td>Not recommended</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>18-24 in. (46-61 cm)</td>
<td>4-9</td>
<td>June to September</td>
<td></td>
</tr>
<tr>
<td>Yes, as needed.</td>
<td>PGRs generally not needed</td>
<td>Spider mites, thrips</td>
<td>Not recommended</td>
<td>Rooted: 8-10 wks</td>
<td>Rooted: 10-12 wks</td>
<td>18-24 in. (46-61 cm)</td>
<td>8-9</td>
<td>June to November</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs are generally not needed</td>
<td>Spider mites, thrips</td>
<td>Rooted: 7-8 wks</td>
<td>Rooted: 10-12 wks</td>
<td>Rooted: 12-14 wks</td>
<td>12-14 in. (30-36 cm)</td>
<td>5-9</td>
<td>March to November</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Powdery mildew, aphids</td>
<td>Not recommended</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>18 in. (46 cm)</td>
<td>5-9</td>
<td>May to July</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Manage soil moisture to avoid root diseases.</td>
<td>Unrooted: 13-15 wks Rooted: 8-10 wks</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>16-20 in. (41-51 cm)</td>
<td>4-9</td>
<td>June to September</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>Not necessary</td>
<td>Thrips, carnation mottle virus 18-20 wks, including 6 wks below 50°F (10°C)</td>
<td>18-20 wks, including 6 wks below 50°F (10°C)</td>
<td>Not recommended</td>
<td>Varies by variety</td>
<td>4-9</td>
<td>March to October</td>
<td></td>
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<td>Arctic Fox Rose</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (15 to 18°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>3,000 to 5,000</td>
<td>Allow media to dry moderately between watering</td>
<td>Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
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<td>14</td>
<td>Echinacea x hybrida</td>
<td>Double Scoop™ Series</td>
<td>5.8-6.2</td>
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<td>Long day obligate</td>
<td>No</td>
<td>3,500 to 5,000</td>
<td>Allow media to dry moderately between watering</td>
<td>Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
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<td>Echinacea x hybrida</td>
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<td>5.8-6.2</td>
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<td>Sombrero Poco™ Series</td>
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<td>Long day obligate</td>
<td>No</td>
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<td>Moderate</td>
<td>Use a balanced fertilizer at a rate of 150 to 175 ppm N.</td>
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<td>Little Joe</td>
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<td>Long day obligate</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
<td>Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
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<td>Long day obligate</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
<td>Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
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<td>Day length neutral</td>
<td>No</td>
<td>5,000 to 9,000</td>
<td>Allow media to dry slightly between watering</td>
<td>Maintain constant fertilization at 175 to 225 ppm N.</td>
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<td>Little Janie, Whiskers Deep Rose</td>
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<td>Day length neutral</td>
<td>No</td>
<td>3,000 to 5,000</td>
<td>Allow media to dry regularly between watering</td>
<td>Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
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<td>Long day obligate</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
<td>Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
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<td>No</td>
<td>5,000 to 8,000</td>
<td>Low to moderate</td>
<td>Use a balanced fertilizer at a rate of 150 ppm N.</td>
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<td>5.8-6.2</td>
<td>Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)</td>
<td>Long day obligate</td>
<td>Beneficial; aids in bulking</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry slightly between watering</td>
<td>Use a balanced fertilizer at a rate of 150 to 175 ppm.</td>
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<td>Heuchera x hybrida</td>
<td>Carnival Series</td>
<td>5.8-6.2</td>
<td>Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (15 to 18°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>1,500 to 2,500</td>
<td>Allow media to dry slightly between watering</td>
<td>Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
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<td>Lavish</td>
<td>5.8-6.2</td>
<td>Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)</td>
<td>Day length neutral</td>
<td>Yes</td>
<td>3,000 to 5,000</td>
<td>Allow media to dry regularly between watering</td>
<td>Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
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</tr>
<tr>
<td>Recommended for more flowers per plant. Not required.</td>
<td>PGRs generally not needed</td>
<td>Aphids, white fly, spider mites</td>
<td>Not recommended</td>
<td>Rooted: 12-14 wks</td>
<td>Rooted: 14 wks</td>
<td>18-24 in. (46-61 cm)</td>
<td>5-9</td>
<td>April to September. Natural season flowering</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>None</td>
<td>None noted</td>
<td>14-16 wks Spring plant; 11-13 wks Summer plant for Fall</td>
<td>14-16 wks Spring plant; 11-13 wks Summer plant for Fall</td>
<td>14-16 wks Spring plant; 11-13 wks Summer plant for Fall</td>
<td>22-24 in. (56-61 cm)</td>
<td>4-9</td>
<td>June to August</td>
<td></td>
</tr>
<tr>
<td>Only to remove premature flower buds.</td>
<td>Not recommended</td>
<td>Not particularly sensitive; Use well-drained media.</td>
<td>Not recommended</td>
<td>10-12 wks</td>
<td>Liner: 16-18 wks</td>
<td>18-20 in. (46-51 cm)</td>
<td>4-9</td>
<td>June to August</td>
<td></td>
</tr>
<tr>
<td>Only to remove premature flower buds.</td>
<td>Typically not required</td>
<td>Not particularly sensitive; Use well-drained media.</td>
<td>Not recommended</td>
<td>10-12 wks</td>
<td>Not recommended</td>
<td>14-16 in. (36-41 cm)</td>
<td>4-9</td>
<td>June to August</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>Concise/ Sumagic 30-60 ppm spray</td>
<td>None noted</td>
<td>Not recommended</td>
<td>Rooted: 20 wks</td>
<td>Rooted: 20 wks</td>
<td>36-48 in. (91-122 cm)</td>
<td>3-9</td>
<td>July to September</td>
<td></td>
</tr>
<tr>
<td>One pinch, two to three weeks after transplant.</td>
<td>PGRs generally not needed</td>
<td>Aphids, white fly, spider mites</td>
<td>Not recommended</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks Natural flowering in early July</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks Natural flowering early July</td>
<td>24-32 in. (61-81 cm)</td>
<td>5-9</td>
<td>July to October</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Pythium, rhizoctonia, botrytis</td>
<td>Unrooted: 10-13 wks Rooted: 7-10 wks</td>
<td>Unrooted: 12-15 wks, 2-3 ppm Rooted: 9-12 wks, 2-3 ppm</td>
<td>Unrooted: 14-16 wks, 3-5 ppm Rooted: 11-13 wks, 3-5 ppm</td>
<td>12-18 in. (30-46 cm)</td>
<td>6-9</td>
<td>April to September</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Spider mites, aphids</td>
<td>Unrooted: 12-14 wks Rooted: 8-10 wks</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>Little Janie: 16-18 in. (41-46 cm) Whiskers Deep Rose: 14-16 in. (36-41 cm)</td>
<td>6-9</td>
<td>April to September</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>Spider mites, thrips</td>
<td>Not recommended</td>
<td>Rooted: 10-12 wks</td>
<td>Rooted: 10-12 wks</td>
<td>14-16 in. (36-41 cm)</td>
<td>4-9</td>
<td>July to September</td>
<td></td>
</tr>
<tr>
<td>Typically not necessary if plants were pinched in the liner.</td>
<td>Typically not necessary</td>
<td>Very pest and disease resistant.</td>
<td>Not recommended</td>
<td>12-14 wks. Plant Week 22-26</td>
<td>12-14 wks. Plant Week 22-26</td>
<td>24-26 in. (61-66 cm)</td>
<td>5-10</td>
<td>September to November</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids.</td>
<td>Unrooted: 14-16 wks Rooted: 8-10 wks</td>
<td>Unrooted: 16-19 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>14-16 in. (36-41 cm)</td>
<td>4-9</td>
<td>June to August</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>PGRs generally not needed</td>
<td>Pythium and rhizoctonia can result from overwatering.</td>
<td>Unrooted: 13-15 wks Rooted: 8-10 wks</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>10-12 in. (25-30 cm)</td>
<td>4-9</td>
<td>April to May</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Aphids</td>
<td>Unrooted: 10-14 wks Rooted: 8-10 wks</td>
<td>Unrooted: 16-18 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>10-12 in. (25-30 cm)</td>
<td>6-9</td>
<td>April to August</td>
<td></td>
</tr>
<tr>
<td>PAGE</td>
<td>CROP</td>
<td>SERIES/ VARIETY</td>
<td>MEDIA PH</td>
<td>TEMPERATURE</td>
<td>DAYLENGTH</td>
<td>VERNALIZATION REQUIRED</td>
<td>LIGHT LEVELS IN FOOT CANDELS</td>
<td>WATERING</td>
<td>FERTILIZATION</td>
</tr>
<tr>
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</tr>
<tr>
<td>50</td>
<td>IBERIS</td>
<td>Iberis hybrid</td>
<td>Summer</td>
<td>5.8-6.2</td>
<td>Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)</td>
<td>Day length neutral*</td>
<td>Cuttings supplied from Darwin Colombia receive enough cold to induce into flower. So growers will not need to vernalize.</td>
<td>3.000 to 5.000</td>
<td>Allow media to dry regularly between watering. Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
</tr>
<tr>
<td>51</td>
<td>IBERIS</td>
<td>Iberis sempervirens</td>
<td>Snowsation</td>
<td>5.8-6.2</td>
<td>Days: 45 to 60°F (7 to 16°C)</td>
<td>Day length neutral*</td>
<td>Yes</td>
<td>3.000 to 5.000</td>
<td>Low to moderate</td>
</tr>
<tr>
<td>53</td>
<td>LAVANDULA</td>
<td>Lavandula angustifolia</td>
<td>Annet</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5.000 to 8.000</td>
<td>Allow media to dry slightly between watering. Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
</tr>
<tr>
<td>53</td>
<td>LAVANDULA</td>
<td>Lavandula angustifolia</td>
<td>SuperBlue</td>
<td>5.9-6.2</td>
<td>Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5.000 to 8.000</td>
<td>Allow media to dry slightly between watering. Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
</tr>
<tr>
<td>53</td>
<td>LAVANDULA</td>
<td>Lavandula stoechas</td>
<td>Anouk</td>
<td>5.8-6.2</td>
<td>Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)</td>
<td>Day length neutral</td>
<td>Beneficial for earlier flowering and more blooms.</td>
<td>5.000 to 8.000</td>
<td>Allow media to dry slightly between watering. Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
</tr>
<tr>
<td>56, 57</td>
<td>LAVANDULA</td>
<td>Lavandula stoechas</td>
<td>Primavera</td>
<td>5.8-6.2</td>
<td>Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>5.000 to 8.000</td>
<td>Allow media to dry slightly between watering. Use a balanced fertilizer at a rate of 100 to 125 ppm.</td>
</tr>
<tr>
<td>61</td>
<td>LEUCANTHEMUM</td>
<td>Leucanthemum x superbum</td>
<td>Santé</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 65°F (13 to 18°C) Days: 65 to 65°F (16 to 18°C)</td>
<td>Long day obligate</td>
<td>Beneficial for bulking and earlier flowering.</td>
<td>5.000 to 8.000</td>
<td>Allow media to dry slightly between watering. Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
</tr>
<tr>
<td>61</td>
<td>LEUCANTHEMUM</td>
<td>Leucanthemum x superbum</td>
<td>White Magic</td>
<td>5.8-6.2</td>
<td>Days: 55 to 65°F (13 to 18°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5.000 to 8.000</td>
<td>Moderate more required when in flower. Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
</tr>
<tr>
<td>59</td>
<td>LEUCANTHEMUM</td>
<td>Leucanthemum x superbum</td>
<td>Whitecap</td>
<td>5.8-6.2</td>
<td>Nights: 55°F (13°C) Days: 68°F (20°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5.000 to 8.000</td>
<td>Moderate</td>
</tr>
<tr>
<td>18</td>
<td>MISCANTHUS</td>
<td>Miscanthus sinensis</td>
<td>Bandwidth</td>
<td>5.8-6.5</td>
<td>Days: 65 to 75°F (18 to 24°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5.000 to 8.000</td>
<td>Low to moderate</td>
</tr>
<tr>
<td>18</td>
<td>MISCANTHUS</td>
<td>Miscanthus sinensis</td>
<td>My Fair Maiden</td>
<td>5.8-6.5</td>
<td>Days: 65 to 75°F (18 to 24°C)</td>
<td>Short day obligate</td>
<td>No</td>
<td>5.000 to 8.000</td>
<td>Low to moderate</td>
</tr>
<tr>
<td>65</td>
<td>MONARDA</td>
<td>Monarda didyma</td>
<td>Balmy™ Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)</td>
<td>Long day obligate</td>
<td>Beneficial for bulking and earlier flowering.</td>
<td>5.000 to 8.000</td>
<td>Allow media to dry slightly between watering. Use a balanced fertilizer at a rate of 125 to 150 ppm.</td>
</tr>
<tr>
<td>PINCHING AFTER TRANSPLANT</td>
<td>PLANT GROWTH REGULATORS</td>
<td>PESTS AND FUNGAL DISEASES</td>
<td>CROP SCHEDULE &amp; USES</td>
<td>1-Qt (10-cm) Pot, 1 Plant per Pot</td>
<td>1-gal (15-cm) Pot, 1 Plant per Pot</td>
<td>2 to 3-gal, 5-6 to 30-cm Pot, 3 Plants per Pot</td>
<td>HEIGHT</td>
<td>USDA HARDINESS ZONES</td>
<td>BLOOM MONTHS</td>
</tr>
<tr>
<td>---------------------------</td>
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</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>May experience root rot diseases under poor growing conditions. Aphids.</td>
<td>Unrooted: 10-14 wks Rooted: 8-10 wks</td>
<td>Unrooted: 16-18 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>10-12 in. (25-30 cm)</td>
<td>6-9</td>
<td>April to September</td>
<td></td>
</tr>
<tr>
<td>Only if pinching not done in the liner stage.</td>
<td>Not typically needed</td>
<td>Not particularly sensitive.</td>
<td>24 wks; requires vernalization</td>
<td>24 wks; requires vernalization</td>
<td>Not recommended</td>
<td>6-8 in. (15-20 cm)</td>
<td>4-9</td>
<td>March to April</td>
<td></td>
</tr>
<tr>
<td>Once for smaller pot sizes, twice for larger containers.</td>
<td>PGRs generally not needed</td>
<td>Thielaviopsis, pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids, fungus gnats.</td>
<td>Unrooted: 14-16 wks Rooted: 7-8 wks</td>
<td>Unrooted: 16-19 wks Rooted: 9-11 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>16-18 in. (41-46 cm)</td>
<td>5-9</td>
<td>April to September</td>
<td></td>
</tr>
<tr>
<td>Once for smaller pot sizes, twice for larger containers.</td>
<td>PGRs generally not needed</td>
<td>Thielaviopsis, pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids, fungus gnats.</td>
<td>Unrooted: 14-16 wks Rooted: 7-8 wks</td>
<td>Unrooted: 16-19 wks Rooted: 9-11 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>10-12 in. (25-30 cm)</td>
<td>5-8</td>
<td>April to September</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Thielaviopsis, pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids, fungus gnats.</td>
<td>7-10 wks</td>
<td>9-11 wks, 1-3 ppm</td>
<td>10-12 wks, 3-5 ppm</td>
<td>14-18 in. (36-46 cm)</td>
<td>6-9</td>
<td>March to July</td>
<td></td>
</tr>
<tr>
<td>A final pinching 8 to 10 weeks before flowering will help to increase flower count.</td>
<td>PGRs generally not needed</td>
<td>Thielaviopsis, pythium and rhizoctonia can result from overwatering. Thrips, white fly, aphids, fungus gnats.</td>
<td>7-10 wks</td>
<td>9-11 wks</td>
<td>10-12 wks</td>
<td>16-18 in. (41-46 cm)</td>
<td>7-9</td>
<td>Year round depending on location</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Watch for leaf spots when growing in wet conditions.</td>
<td>Not recommended</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks</td>
<td>22-26 in. (56-66 cm)</td>
<td>4-9</td>
<td>June to August</td>
<td></td>
</tr>
<tr>
<td>Generally not necessary</td>
<td>B-Nine / Cycocel at 1,800-2,000 will reduce plant height</td>
<td>Watch for aphids when in bud.</td>
<td>Not recommended</td>
<td>Rooted: 8-10 wks</td>
<td>Rooted: 10-12 wks</td>
<td>20-24 in. (51-61 cm)</td>
<td>5-9</td>
<td>May to August</td>
<td></td>
</tr>
<tr>
<td>Typically not required</td>
<td>Typically not required</td>
<td>Watch for crown rot if overwatered.</td>
<td>7-10 wks</td>
<td>9-11 wks</td>
<td>Not recommended</td>
<td>14-16 in. (36-41 cm)</td>
<td>5-9</td>
<td>March to October</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>None</td>
<td>Rust resistant</td>
<td>8-10 wks</td>
<td>14-16 wks</td>
<td>20-24 wks, 1 ppm</td>
<td>30-36 in. (76-91 cm)</td>
<td>5-9</td>
<td>October to November</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>None required</td>
<td>Rust resistant</td>
<td>Not recommended</td>
<td>16-18 wks</td>
<td>24-26 wks, 1 ppm</td>
<td>72-102 in. (183-259 cm)</td>
<td>5-9</td>
<td>October to November</td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Powdery mildew may be present if grown under poor air circulation and high humidity. White fly, spider mites.</td>
<td>Unrooted: 12-14 wks Rooted: 8-10 wks</td>
<td>Unrooted: 14-16 wks Rooted: 10-12 wks</td>
<td>Unrooted: 14-16 wks Rooted: 12-14 wks</td>
<td>10-12 in. (25-30 cm)</td>
<td>4-9</td>
<td>June to July</td>
<td></td>
</tr>
<tr>
<td>PAGE</td>
<td>CROP</td>
<td>SERIES/ VARIETY</td>
<td>MEDIA PH</td>
<td>TEMPERATURE</td>
<td>DAYLENGTH</td>
<td>VERNALIZATION REQUIRED</td>
<td>LIGHT LEVELS IN FOOT CANDLES</td>
<td>WATERING</td>
<td>FERTILIZATION</td>
</tr>
<tr>
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</tr>
<tr>
<td>67</td>
<td>NEPETA</td>
<td>Nepeta faassenii</td>
<td>Whisper™ Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 65°F (13 to 19°C) Days: 65 to 75°F (15 to 24°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Moderate</td>
</tr>
<tr>
<td>70</td>
<td>NEPETA</td>
<td>Nepeta hybrid</td>
<td>Blue Prelude</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>70</td>
<td>NEPETA</td>
<td>Nepeta x faassenii</td>
<td>Junior Walker™</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>72</td>
<td>PENSTEMON</td>
<td>Penstemon barbatus</td>
<td>Rock Candy® Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>3,000 to 5,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>74</td>
<td>PENSTEMON</td>
<td>Penstemon hybrid</td>
<td>Cherry Sparks</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>3,000 to 5,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>73</td>
<td>PENSTEMON</td>
<td>Penstemon hybrid</td>
<td>Little Belts, Mini-Bells™ Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Long day obligate</td>
<td>No</td>
<td>3,000 to 5,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>75</td>
<td>PENSTEMON</td>
<td>Penstemon hybrid</td>
<td>MissionBells™</td>
<td>Deep Rose</td>
<td>5.8-6.2</td>
<td>Nights: 45 to 70°F (7 to 21°C) Days: 55 to 80°F (15 to 27°C)</td>
<td>Long day obligate</td>
<td>No</td>
<td>3,000 to 5,000</td>
</tr>
<tr>
<td>75</td>
<td>PENSTEMON</td>
<td>Penstemon hybrid</td>
<td>Quartz® Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Long day obligate</td>
<td>No</td>
<td>3,000 to 5,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>77, 76</td>
<td>PEROVSKIA</td>
<td>Perovskia atriplicifolia</td>
<td>CrazyBlue, Little Lace</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (15 to 18°C)</td>
<td>Long day obligate</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry slightly between watering</td>
</tr>
<tr>
<td>83, 80</td>
<td>PHLOX</td>
<td>Phlox paniculata</td>
<td>Cherry Cream, Ka-Pow® Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 75°F (16 to 24°C)</td>
<td>Long day obligate</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Moderate</td>
</tr>
<tr>
<td>81</td>
<td>PHLOX</td>
<td>Phlox paniculata</td>
<td>Super Ka-Pow® Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 64°F (13 to 18°C) Days: 65 to 76°F (15 to 24°C)</td>
<td>Long day obligate</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Moderate</td>
</tr>
<tr>
<td>88</td>
<td>SALVIA</td>
<td>Salvia greggii</td>
<td>Mirage™ Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>3,000 to 5,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>89</td>
<td>SALVIA</td>
<td>Salvia greggii</td>
<td>Radio Red</td>
<td>5.8-6.2</td>
<td>Nights: 45 to 70°F (7 to 21°C) Days: 55 to 80°F (13 to 27°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>90</td>
<td>SALVIA</td>
<td>Salvia hybrid</td>
<td>Arctic Blaze® Series</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>PINCHING AFTER TRANSPLANT</td>
<td>PLANT GROWTH REGULATORS</td>
<td>PESTS AND FUNGAL DISEASES</td>
<td>CROP SCHEDULE &amp; USES</td>
<td>PLANT HEIGHT</td>
<td>USDA HARDINESS</td>
<td>BLOOM MONTHS</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Typically not required</td>
<td>B-Nine/</td>
<td>Spider mites, thrips</td>
<td>Not recommended</td>
<td>9-11 wks</td>
<td>10-12 wks</td>
<td>4-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cycocel sprays</td>
<td></td>
<td></td>
<td>24-28 in. (61-71 cm)</td>
<td>5-9</td>
<td>April to September</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not necessary when pinned in liner</td>
<td>Use B-Nine/</td>
<td></td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks Unrooted: 15-17 wks Rooted: 10-12 wks Unrooted: 19-22 wks Rooted: 12-14 wks 12 in. (30 cm)</td>
<td>28-36 in. (71-91 cm)</td>
<td>5-9</td>
<td>March to September</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>White fly</td>
<td>Not recommended</td>
<td>Rooted: 10-12 wks Rooted: 12-14 wks 20-24 in. (51-61 cm)</td>
<td>5-9</td>
<td>May to September</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Aphids, spider mites</td>
<td>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)</td>
<td>5-8</td>
<td>April to September</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spider mites, thrips, Watch for INSV/TSWV</td>
<td>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)</td>
<td>5-8</td>
<td>April to September</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>White fly, spider mites</td>
<td>Not recommended</td>
<td>Rooted: 10-12 wks Rooted: 12-14 wks 18-20 in. (46-51 cm)</td>
<td>5-9</td>
<td>June to August</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aphids, spider mites</td>
<td>Unrooted: 10-14 wks Rooted: 8-10 wks Unrooted: 15-17 wks Rooted: 10-12 wks Unrooted: 19-22 wks Rooted: 12-14 wks 16-18 in. (41-46 cm)</td>
<td>5-9</td>
<td>June to August</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>White fly, spider mites</td>
<td>Not recommended</td>
<td>Rooted: 10-12 wks Rooted: 12-14 wks 20-24 in. (51-61 cm)</td>
<td>5-9</td>
<td>June to August</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>Spider mites</td>
<td>Not recommended</td>
<td>Unrooted: 19-22 wks Rooted: 12-14 wks Rooted: 21-23 wks Rooted: 14-16 wks 20-24 in. (51-61 cm)</td>
<td>5-9</td>
<td>July to August</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended</td>
<td>PGRs generally not needed</td>
<td>Pythium can be a problem if overwatered. White fly, spider mites.</td>
<td>Not recommended</td>
<td>Rooted: 10-12 wks Rooted: 12-14 wks Rooted: 14-16 wks, 3 ppm CrazyBlue: 16-18 in. (41-46 cm) Little Bells: 6-9 Mini-Bells: 7-9 22-26 in. (56-66 cm)</td>
<td>5-9</td>
<td>July to September</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, in cases where there are two or less shoots.</td>
<td>Configure at 600 ppm to increase branching.</td>
<td>Powdery mildew when pressure is high.</td>
<td>Not recommended</td>
<td>Rooted: 10-12 wks Rooted: 12-14 wks Rooted: 21-23 wks Rooted: 14-16 wks 20-24 in. (51-61 cm)</td>
<td>5-9</td>
<td>June to August</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes, in cases where there are two or less shoots.</td>
<td>Configure at 500 ppm to increase branching.</td>
<td>Powdery mildew when pressure is high.</td>
<td>Not recommended</td>
<td>Rooted: 10-12 wks Rooted: 12-14 wks Rooted: 14-16 wks, 3 ppm CrazyBlue: 16-18 in. (41-46 cm) Little Bells: 6-9 Mini-Bells: 7-9 22-26 in. (56-66 cm)</td>
<td>5-9</td>
<td>June to August</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>Generally not needed</td>
<td>Whitefly, thrips</td>
<td>Rooted: 6-8 wks</td>
<td>Rooted: 8-10 wks Rooted: 12-14 wks 12-14 in. (30-36 cm)</td>
<td>7-9</td>
<td>March to September</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Once for smaller pot sizes, twice for larger containers.</td>
<td>PGRs generally not needed</td>
<td>Whitefly, thrips</td>
<td>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)</td>
<td>7-10</td>
<td>March to September</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>Thrips</td>
<td>Not recommended</td>
<td>Unrooted: 14-16 wks Rooted: 10-12 wks Unrooted: 16-18 wks Rooted: 12-14 wks 24 in. (61 cm)</td>
<td>6-11</td>
<td>March to September</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAGE</td>
<td>CROP</td>
<td>SERIES/ VARIETY</td>
<td>MEDIA PH</td>
<td>TEMPERATURE</td>
<td>DAYLENGTH</td>
<td>VERNALIZATION REQUIRED</td>
<td>LIGHT LEVELS IN FOOT CANDLES</td>
<td>WATERING</td>
<td>FERTILIZATION</td>
</tr>
<tr>
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</tr>
<tr>
<td>89</td>
<td>SALVIA</td>
<td>Salvia hybridra</td>
<td>Blue by You</td>
<td>5.8-6.2</td>
<td>Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)</td>
<td>Day length neutral</td>
<td>Beneficial; aids in bulking. Not required for flowering.</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>92, 93</td>
<td>SALVIA</td>
<td>Salvia nemorosa</td>
<td>Blue Marvel, Lyrical™ Series</td>
<td>5.8-6.2</td>
<td>Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)</td>
<td>Day length neutral</td>
<td>Beneficial; aids in bulking. Not required for flowering.</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry moderately between watering</td>
</tr>
<tr>
<td>91, 92</td>
<td>SALVIA</td>
<td>Salvia nemorosa</td>
<td>Rose Marvel, Sky Blue Marvel</td>
<td>5.8-6.2</td>
<td>55 to 65°F (13 to 18°C)</td>
<td>Day length neutral</td>
<td>Beneficial; aids in bulking. Not required for flowering.</td>
<td>5,000 to 8,000</td>
<td>Moderate</td>
</tr>
<tr>
<td>97</td>
<td>SCABIOSA</td>
<td>Scabiosa columbaria</td>
<td>Flutter™ Series</td>
<td>5.5-6.2</td>
<td>55 to 65°F (13 to 18°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Moderate</td>
</tr>
<tr>
<td>99</td>
<td>SEDUM</td>
<td>Sedum rupestre</td>
<td>Prima Angelina</td>
<td>5.8-6.2</td>
<td>Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)</td>
<td>Long day obligate</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry regularly between watering</td>
</tr>
<tr>
<td>105</td>
<td>VERONICA</td>
<td>Veronica austriaca</td>
<td>Venice Blue</td>
<td>5.8-6.2</td>
<td>Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)</td>
<td>Day length neutral</td>
<td>Yes</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry slightly between watering</td>
</tr>
<tr>
<td>106</td>
<td>VERONICA</td>
<td>Veronica hybridra</td>
<td>Moody Blues® Series</td>
<td>5.8-6.2</td>
<td>Nights: 50 to 55°F (10 to 13°C) Days: 60 to 70°F (16 to 20°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry slightly between watering</td>
</tr>
<tr>
<td>105</td>
<td>VERONICA</td>
<td>Veronica longifolia</td>
<td>Forever Blue</td>
<td>5.8-6.2</td>
<td>Nights: 50 to 55°F (10 to 13°C) Days: 60 to 70°F (16 to 20°C)</td>
<td>Long day facultative</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry slightly between watering</td>
</tr>
<tr>
<td>107</td>
<td>VERONICA</td>
<td>Veronica x hybridra</td>
<td>Purpleicious</td>
<td>5.8-6.2</td>
<td>Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)</td>
<td>Long day obligate</td>
<td>Beneficial for bulking and earlier flowering</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry slightly between watering</td>
</tr>
<tr>
<td>108</td>
<td>VIOLA</td>
<td>Viola cornuta</td>
<td>Halo Series</td>
<td>5.5-5.8</td>
<td>Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)</td>
<td>Day length neutral</td>
<td>No</td>
<td>5,000 to 8,000</td>
<td>Allow media to dry slightly between watering</td>
</tr>
<tr>
<td>PINCHING AFT</td>
<td>PLANT GROWTH REGULATORS</td>
<td>PESTS AND Fungal DISEASES</td>
<td>CROP SCHEDULE &amp; USES</td>
<td>1-Qt (10-CM) POT, 1 PLANT PER POT</td>
<td>1-Gal (15-CM) POT, 1 PLANT PER POT</td>
<td>2 TO 3-GAL, 5.5 TO 30-CM POT, 3 PLANTS PER POT</td>
<td>HEIGHT</td>
<td>USDA HARDINESS ZONES</td>
<td>BLOOM MONTHS</td>
</tr>
<tr>
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</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>White fly, spider mites, botrytis</td>
<td>Unrooted: 13-15 wks Rooted: 8-10 wks</td>
<td>Unrooted 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 17-19 wks Rooted: 12-14 wks</td>
<td>20-22 in. (51-56 cm)</td>
<td>4-9</td>
<td>March to September</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>PGRs generally not needed</td>
<td>White fly, spider mites, botrytis</td>
<td>Unrooted: 13-15 wks Rooted: 8-10 wks</td>
<td>Unrooted 15-17 wks Rooted: 10-12 wks</td>
<td>Unrooted: 17-19 wks Rooted: 12-14 wks</td>
<td>10-12 in. (25-30 cm)</td>
<td>4-9</td>
<td>March to September</td>
<td></td>
</tr>
<tr>
<td>Generally not required</td>
<td>Will respond to 300 ppm Configure spray at young plant level</td>
<td>Spider mites</td>
<td>Not recommended</td>
<td>10-12 wks</td>
<td>12-14 wks</td>
<td>10-12 in. (25-30 cm)</td>
<td>4-9</td>
<td>March to September</td>
<td></td>
</tr>
<tr>
<td>Typically not necessary</td>
<td>Typically not necessary</td>
<td>Very disease resistant. Watch for root and crown rot under poor growing conditions.</td>
<td>Not recommended</td>
<td>Rooted: 10-12 wks</td>
<td>Rooted: 10-12 wks</td>
<td>12-14 in. (30-36 cm)</td>
<td>5-9</td>
<td>March to September</td>
<td></td>
</tr>
<tr>
<td>One pinch, two to three weeks after transplant.</td>
<td>PGRs generally not needed</td>
<td>Generally pest and disease free.</td>
<td>Unrooted: 10-12 weeks Rooted: 6 weeks</td>
<td>Unrooted 12-14 weeks Rooted: 8-10 weeks</td>
<td>Unrooted: 15-17 wks Rooted: 10-12 wks</td>
<td>3-6 in. (8-15 cm)</td>
<td>4-9</td>
<td>Does not flower</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>Aphids</td>
<td>Unrooted: Plant by Week 40 (North), Week 45 (South) Rooted: Stick by Week 35 (North), Week 40 (South)</td>
<td>Unrooted: Plant by Week 35 (North), Week 40 (South) Rooted: Stick by Week 35 (North), Week 35 (South)</td>
<td>Unrooted: Plant by Week 32 (North), Week 37 (South) Rooted: Stick by Week 28 (North), Week 32 (South)</td>
<td>10-12 in. (25-30 cm)</td>
<td>4-9</td>
<td>March to April</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>Aphids, white fly</td>
<td>Unrooted: 10-14 wks Rooted: 8-10 wks</td>
<td>Unrooted: 14-16 wks Rooted: 10-12 wks</td>
<td>Unrooted: 16-18 wks Rooted: 12-14 wks</td>
<td>12-14 in. (30-36 cm)</td>
<td>4-9</td>
<td>May to October</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>Aphids, white fly</td>
<td>Not recommended</td>
<td>Unrooted: 14-16 wks Rooted: 10-12 wks</td>
<td>Unrooted: 16-18 wks Rooted: 12-14 wks</td>
<td>16-18 in. (41-46 cm)</td>
<td>4-9</td>
<td>June to October</td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>PGRs generally not needed</td>
<td>Aphids, white fly</td>
<td>Not recommended</td>
<td>Unrooted: Plant by Week 35 (North), Week 40 (South) Rooted: Stick by Week 30 (North), Week 35 (South)</td>
<td>Unrooted: Plant by Week 32 (North), Week 37 (South) Rooted: Stick by Week 28 (North), Week 32 (South)</td>
<td>16-20 in. (41-51 cm)</td>
<td>5-8</td>
<td>June to August</td>
<td></td>
</tr>
</tbody>
</table>
LANDSCAPE LONGEVITY

Darwin Perennials offers Perennials With Staying Power™ – the most robust, hardy varieties on the market. From bold, enduring colors to their durable outdoor performances, these long-lasting plants are bred, trialed and selected for impressive success in the landscape – so you can offer perennials with selling power!

Salvia
‘Rose Marvel’. page 91
HERE IS A SAMPLING OF SOME OF OUR GO-TO VARIETIES FOR THE LANDSCAPE:

- **Caryopteris ‘Gold Crest’**, page 35
- **Dianthus Mountain Frost™ Collection — Pink PomPom**, page 11
- **Echinacea Sombrero® Series — Flamenco Orange**, page 12
- **Heuchera Carnival Series**, page 17
- **Lavandula ‘SuperBlue’**, page 53
- **Miscanthus Bandwidth**, page 18
- **Nepeta Junior Walker™**, page 70
- **Perovskia ‘CrazyBlue’**, page 77
- **Salvia ‘Blue by You’**, page 89
- **Salvia Lyrical Blues**, page 93
- **Sedum Prima Angelina**, page 99
- **Veronica Moody Blues® Series — Sky Blue**, page 106
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These terms and conditions shall govern orders for plants, supplies and other materials (merchandise) placed with Seller. All negotiations with sales representatives or other agents of Seller are merged herein. No modification of these terms and conditions shall be effective unless in writing signed by Seller. Placement of the order shall constitute Purchaser’s acceptance of these terms and conditions. All orders are subject to acceptance by Seller at our offices in West Chicago, Illinois.

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Seller warrants, to the extent required by law that merchandise conforms to the description appearing in Seller’s catalog and on consignment labels, and is within recognized tolerances. SELLER MAKES NO OTHER OR FURTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY, TITLE, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. Certain merchandise may be separately warranted by the manufacturer. Seller does not adopt or ratify any manufacturer warranties, express or implied, and Seller shall have no liability thereunder.

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PURCHASER’S SOLE AND EXCLUSIVE REMEDY SHALL BE REFUND OF THE PURCHASE PRICE. SELLER’S LIABILITY, WHETHER FOR BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, OR ANY OTHER THEORY OF LIABILITY, IS LIMITED TO THE AMOUNT OF THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE, OR FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

MANDATORY ARBITRATION

ANY CLAIM WHICH PURCHASER MAY HAVE AGAINST SELLER ARISING OUT OF OR RELATING TO THE SALE OF THE MERCHANDISE SHALL BE SETTLED BY BINDING ARBITRATION IN ACCORDANCE WITH THE COMMERCIAL ARBITRATION RULES OF THE AMERICAN ARBITRATION ASSOCIATION. SAID ARBITRATION TO BE HELD IN CHICAGO, ILLINOIS.

GOVERNING LAW, JURISDICTION & VENUE

The laws of the State of Illinois, including but not limited to the Uniform Commercial Code as adopted therein, shall govern all matters arising out of or relating to Seller’s sale of merchandise. ANY DISPUTE NOT SUBJECT TO ARBITRATION AND ANY ACTION TO ENFORCE AN ARBITRATION AWARD ARISING OUT OF OR RELATING TO THE SALE OF MERCHANDISE HEREUNDER SHALL BE MAINTAINED IN THE STATE OF ILLINOIS OR AT THE OPTION OF SELLER IN THE FEDERAL COURTS LOCATED IN DUPage OR COOK COUNTIES, ILLINOIS, AND PURCHASER SUBMITS TO THE JURISDICTION OF AND VENUE IN SAID COURTS.

INDEMNITY

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

PRICES

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

PAYMENT

Payment is due in invoiced currency and in accordance with the terms specified on invoice. In the event of default in the timely payment of any amount when due, and in addition to all other rights and remedies available to Seller, Seller shall be entitled to, among other things, collect a late charge of 2% per month (24% per year) or the maximum rate allowed by law, whichever is less, on all amounts past due from the date due until the date paid. A fee of $25.00 will be charged for any returned check, declined EFT transaction, or declined bankcard transaction.

NOTICE & RETURN

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

PLANT PROTECTION

Varieties described herein may not be sold, diverted, transferred or re-exported, directly or indirectly, to any individual, entity, or destination that is subject to United States or United Nations Sanctions Programs or Embargoes (including but not limited to those sanctioned by the U.S. Treasury Department’s Office of Foreign Assets Control, the U.S. Department of Commerce, and the United Nations Security Council). These restrictions apply to the sale of DARWINPERENNIALS.COM merchandise, and to any and all products or services provided by Seller to Purchaser.

TRADEMARKS

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SALES LIMITATIONS

EXPORT CONTROL. THE COMPANY’S PRODUCTS MAY NOT BE SOLD, DIVERTED, TRANSFERRED OR RE-EXPORTED, DIRECTLY OR INDIRECTLY, TO ANY INDIVIDUAL, ENTITY, OR DESTINATION THAT IS SUBJECT TO UNITED STATES OR UNITED NATIONS SANCTIONS PROGRAMS OR EMBARGOES (INCLUDING BUT NOT LIMITED TO THOSE IDENTIFIED IN THE OFFICE OF FOREIGN ASSETS CONTROL’S SPECIALLY DESIGNATED NATIONS LIST) WITHOUT AN APPROPRIATE EXPORT LICENSE.

FOREIGN CORRUPT PRACTICES ACT. EACH PARTY REPRESENTS AND WARRANTS TO THE OTHER PARTY THAT IT WILL TAKE NO ACTION IN RELATION TO THIS TRANSACTION THAT WOULD BE IN VIOLATION OF THE APPLICABLE LAWS AND REGULATIONS OF ANY COUNTRY AND THE UNITED STATES OF AMERICA; NO PAYMENTS OF MONEY OR ANYTHING OF VALUE WILL BE OFFERED, PROMISED OR PAID, DIRECTLY OR INDIRECTLY, TO ANY OFFICIALS OF EITHER GOVERNMENT TO INFLUENCE THE ACTS OF SUCH OFFICIALS. EACH PARTY REPRESENTS AND WARRANTS TO THE OTHER PARTY THAT IT WILL TAKE NO ACTION IN RELATION TO THIS TRANSACTION THAT WOULD BE IN VIOLATION OF THE APPLICABLE LAWS AND REGULATIONS OF ANY COUNTRY AND THE UNITED STATES OF AMERICA; NO PAYMENTS OF MONEY OR ANYTHING OF VALUE WILL BE OFFERED, PROMISED OR PAID, DIRECTLY OR INDIRECTLY, TO ANY OFFICIALS OF EITHER GOVERNMENT TO INFLUENCE THE ACTS OF SUCH OFFICIALS.

CANCELLATION POLICY

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