



# 2017 DARWIN PERENNIALS

QUALITY UNROOTED  
CUTTINGS PRODUCED  
BY **DARWIN COLOMBIA**

BaïSeed®

# WELCOME TO THE 2017 DARWIN PERENNIALS LINE-UP

These varieties reflect our market's unprecedented resurgence in the retail, landscape and nursery segments and the lasting value that perennials offer. That's why we're proud to call them Perennials with Staying Power™!

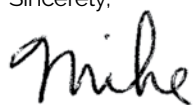
Check out exciting new introductions that represent the best in class of both hardy and tender perennials, especially the new **UpTick Coreopsis** series on page VII. UpTick promises to re-invent the hardy Coreopsis class with large, striking flowers and excellent hardiness to USDA Zone 5.

And don't miss our new hardy **Penstemons**, **MissionBells Deep Rose** and **Cherry Sparks**, on pages 51 and 49. Their beautiful, bell-shaped flowers combine Summer-long color with excellent container performance.

Heat tolerance and Summer-long flowering are the hallmarks of our new **Mirage** series of tender **Salvia greggii** on page 65. These nine bold colors work marvelously in mixed containers and provide instant color in the landscape. The interest in using perennials in mixed containers continues to grow. See our Mixed Container Ideas throughout this catalog.

Your success is our success. We're committed to bringing you the best perennials, coupled with our Darwin Perennials team of customer service and technical support plus Ball Seed's field representatives. We look forward to growing the perennial business with you!

Sincerely,



Mike Klopmeier, General Manager  
630 588-3107, mklopmeier@ballhort.com



On the Cover:  
NEW Coreopsis UpTick  
Gold&Bronze

# DARWIN COLOMBIA

There's a lot going on behind the scenes to bring you a reliable supply of outstanding genetics. **Darwin Colombia**, our unrooted cutting production farm outside of Bogotá, is transforming itself into the leading supplier of perennial cuttings for the North American and European markets.

**The farm has reliably produced unrooted cuttings since 2002**, and we continue to make a number of significant infrastructure investments, including a centralized facility housing fertilizer injectors, water treatment and storage, and a new irrigation system for all of our greenhouses.

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

There is also an **on-site tissue culture laboratory** that houses our elite pathogen-tested stock along with dedicated plant pathology support for production. Like you, we're in this for the long term!

## DARWIN PERENNIALS® VARIETIES

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See inside back cover for  
full product listing.

DarwinPerennials®

# DARWIN TEAM WITH YOU ALL THE WAY

MEET YOUR  
DARWIN  
PERENNIALS  
TEAM...  
PLANT-LOVING  
PROFESSIONALS  
DEDICATED TO  
YOUR GROWING  
AND SELLING  
SUCCESS!





**MIKE KLOPMEYER**

**General Manager**  
MKlopmeier@ballhort.com  
630 588-3107



**KARL BATSCHKE**

**Global Product Manager**  
KBatschke@ballhort.com  
630 588-3373



**JACCO KUIPERS**

**Operations and  
Finance Manager**  
JKuipers@ballhort.com  
630 588-3430



**TERESA HOFFMAN**

**Customer Service Manager**  
THoffman@ballhort.com  
630 588-3209



**BROOKE RYAN**

**Marketing Coordinator**  
BRyan@ballhort.com  
630 588-3323



**BRAD HARVEY**

**Product Representative**  
BHarvey@ballhort.com  
740 815-6154



**KAREN BUNTING**

**Perennial Business Manager**  
KBunting@ballhort.com  
630 588-3348



**KATIE ANDERSON**

**Business Manager  
Perennial Inputs**  
KAnderson@ballhort.com  
630 588-3177



**GREG SOLES**

**Key Accounts and  
Perennial Product Manager**  
GSoles@ballhort.com  
610 869-2426



**CRISTINA BRUSCO**

**Darwin Colombia  
General Manager**  
CBrusco@darwinperennials.com



**VICTOR RAMIREZ**

**Darwin Colombia  
Production Manager**  
VRamirez@darwinperennials.com

DarwinPerennials®

# BREEDER RESOURCES

Star® Roses and Plants  
West Grove, PA container trials



**DARWIN PERENNIALS**

Penstemon Rock Candy Ruby, p. 51

ALTHOUGH DARWIN PERENNIALS HAS LONG BEEN KNOWN AND RESPECTED FOR OUR OWN BREEDING, WE HAVE STRENGTHENED OUR PORTFOLIO WITH THE ADDITION OF OUTSTANDING PERENNIALS SELECTIONS FROM STAR ROSES AND PLANTS, BLOOMS OF BRESSINGHAM AND OTHER QUALITY BREEDERS.



# STAR® ROSES AND PLANTS PERENNIALS ARE NOW DARWIN PERENNIALS

IN 2015, THIS EXCITING ACQUISITION INCORPORATED A STELLAR PERENNIALS LINE INTO THE DARWIN PERENNIALS PORTFOLIO.

Our similar philosophies on product development and the introduction of high-quality vegetatively propagated materials makes this a winning match for everyone involved...including you! Here's what this merger means for you:

**More breeders on staff** focusing on vegetative perennials in key product classes, to bring you a wider selection of in-demand products and new genetics.

**Directed breeding with distinct goals** of providing practical solutions to our grower customers and outstanding performance to home gardeners.

**A rigorous trialing and selection process** using container trial locations in all regions of the U.S., to ensure the best performance everywhere.

**Garden trial performance** in locations across the U.S., so you can grow and sell with complete confidence.

**A dedicated team of industry veterans** knowledgeable in herbaceous perennial performance to evaluate and select new products to grow your business.

**Leading genetics** totaling 25 varieties from this portfolio, including Penstemon Rock Candy®, Moody Blues® Veronica and Nepeta Junior Walker.

**Additional firepower** from Star Roses' New Product Development team in trialing our products for the ultimate in performance.

**New, dedicated East Coast trialing location** in West Grove, PA for the entire lineup of Darwin Perennials genetics.

## DARWIN PERENNIALS



Achillea Moon Dust, p. 1

## DARWIN PERENNIALS



Caryopteris Grand Bleu, p. 14

## DARWIN PERENNIALS



Nepeta Junior Walker, p. 46

## DARWIN PERENNIALS



Coreopsis Little Bird, p. 16

## DARWIN PERENNIALS



Penstemon Rock Candy, p. 50-51

## DARWIN



Penstemon Amethyst Quartz, p. 49

## DARWIN



Penstemon Rose Quartz, p. 49

## DARWIN PERENNIALS



Perovskia Little Lace, p. 52

## DARWIN PERENNIALS



Veronica Moody Blues Mauve, p. 83

# BLOOMS OF BRESSINGHAM

TRIED & TRUSTED™

Blooms of Bressingham varieties are tested for years – in gardens and pot trials – at secure trial sites, leading perennial growers, universities and botanical gardens throughout North America. These comprehensive trials establish reliability and provide valuable information on regional performance, ensuring satisfaction for you and your customers.

Check out these Bressingham beauties:

**Achillea 'Little Moonshine'**, p. 2. Very early-blooming, compact version of 'Moonshine.'

**Achillea Seduction Series**, p. 2. Heat-loving plants with no meltdown.

**Coreopsis 'Crème Brulee'**, p. 17. Upgrades the standard for threadleaf-type Coreopsis.

**Leucanthemum Freak!®**, p. 40. Fluffy flowers make a real garden showstopper.

**Rudbeckia 'Viette's Little Suzy'**, p. 61. Deep yellow flowers plus mahogany foliage in Fall.



Achillea 'Little Moonshine', p. 2



Achillea 'Strawberry Seduction', p. 2



Coreopsis 'Crème Brulee', p. 17



Leucanthemum Freak!, p. 40



Rudbeckia 'Viette's Little Suzy', p. 61

# THE BEST OF THE REST

IN ADDITION TO OUR OWN UNBEATABLE GENETICS, DARWIN PERENNIALS BRINGS YOU THE FINEST PERENNIALS ON THE MARKET FROM OTHER LEADING BREEDERS. BUT SOMETIMES WE HAVE OUR FAVORITES FROM AMONG THOSE. BE SURE TO CHECK OUT THESE NOTABLE VARIETIES AND SERIES.

**NEW Kudos Agastache** (Terra Nova Nurseries, Inc.), p. 4–5. Six fiercely flowering varieties bred for lots of blooms on a mounded habit.

**NEW Genti Campanula** (Rene van Gaalen B.V.), p. 12–13. Beautiful, Winter-hardy series graces gardens with tons of Summer blooms.

**NEW Wheels of Wonder™ Delosperma** (Concept Plants B.V.), p. 21. Colorful, big-bloomed, drought-tolerant series lends Summer-long interest to rock gardens.

**Gaudi™ Gaura** (Florensis), p. 28. Incredibly vibrant blooms on a compact habit that's ideal for small containers.

**Sensation™ Salvia** (Florensis), p. 67. Nine compact and medium varieties join this series for rich displays of Summer color.

NEW FOR 2017



Agastache 'Kudos Mandarin', p. 4–5

NEW FOR 2017



Campanula Genti Twisterbell, p. 12–13

NEW FOR 2017



Delosperma Wheels of Wonder Golden, p. 21



Gaura Gaudi Red, p. 28

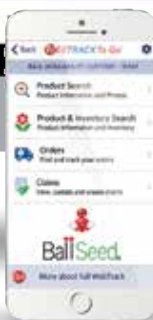
NEW FOR 2017



Salvia Sensation Compact Violet, p. 67

# WORK FASTER & EASIER...FOR FREE!

PUT NEW CUTTING-EDGE DIGITAL TOOLS FROM BALL SEED TO WORK 24/7



## FOR GROWERS

Keep your business running like clockwork and save time with **WebTrack®**, the industry's only single-source site. Access up-to-the-minute inventory on tens of thousands of products from 225+ suppliers. Use the "BUY NOW" button to add products to your cart in seconds. Track shipments to plan labor and scheduling. Organize your documents. (ballseed.com/webtrack)



## FOR GROWERS

Order, find photos and info, and get shipment tracking and status with the new **WebTrack To Go™ mobile app**...anywhere, anytime. (webtracktogo.com)



## FOR GROWERS

An industry first...the **gro-getter® mobile app** is take-it-with-you plant info, photos and culture for any crop in our catalogs. (grogetterapp.com)



## FOR GARDENERS

Whether they want to show off their plants, or find something that will work in their garden... the **GrowIt!® mobile app** has something for every type of gardener. (growitmobile.com)



2017  
EXCLUSIVES  
FEATURING  
THE FINEST  
DARWIN  
PERENNIALS  
GENETICS

NEW UPTICK™ COREOPSIS

FOXLIGHT™ DIGITALIS

DOUBLE SCOOP™ ECHINACEA



SOMBRERO® ECHINACEA

SALVIA 'BLUE MARVEL'

# UPTICK™

NEW FOR 2017 DARWIN PERENNIALS

Coreopsis UpTick  
Cream&Red



YOU'RE SURE TO  
SEE AN 'UPTICK' IN  
YOUR SALES WITH  
THESE INNOVATIVE,  
SHOWY VARIETIES  
AT RETAIL

NEW FOR 2017 DARWIN PERENNIALS



Coreopsis UpTick Gold&Bronze

## COREOPSIS (TICKSEED)

*Coreopsis hybrida*

### UPTICK™ SERIES

#### NEW FOR 2017

**Height:** 12 to 14 in. (30 to 35 cm)

**Bloom Months:** May to September

**USDA Hardiness Zones:** 5 to 9

*Darwin Perennials*

**Easy-to-ship 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.

**UpTick Gold&Bronze** had outstanding grower trial results in 2016 – see [darwinperennials.com](http://darwinperennials.com) for details.

**Cream** 'Balupteam' PPAF

**Cream&Red** 'Balupteamed' PPAF

**Gold&Bronze** 'Baluptgonz' PPAF

**Yellow&Red** 'Baluptowed' PPAF

NEW FOR 2017  
DARWIN PERENNIALS



Coreopsis UpTick Yellow&Red

NEW FOR 2017  
DARWIN PERENNIALS



Coreopsis UpTick Cream&Red

NEW FOR 2017  
DARWIN PERENNIALS



Coreopsis UpTick Cream

# FOXLIGHT™

DARWIN PERENNIALS

Digitalis Foxlight Plum Gold



NOT YOUR  
EVERYDAY  
DIGITALIS,  
FOXLIGHT FILLS  
GARDENS WITH  
GLOWING TONES



**DARWIN PERENNIALS**  
Digitalis Foxlight Ruby Glow



Digitalis Foxlight Plum Gold



Digitalis Foxlight Ruby Glow



Digitalis Foxlight Rose Ivory

**DARWIN PERENNIALS**  
**DIGITALIS** 🟡  
(FOXGLOVE)  
*Digitalis x hybrida*

#### FOXLIGHT™ SERIES

**Height:** 22 to 24 in. (56 to 60 cm)  
**Bloom Months:** April to September;  
Natural season flowering  
**USDA Hardiness Zones:** 7 to 10  
*Darwin Perennials*

**Three bold novelty colors boost retail appeal and drive impulse sales.**

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

**Plum Gold** 'Takfopglo' PP26,586

**Rose Ivory** 'Takforoiv' PP26,554

**Ruby Glow** 'Takforugl' PP25,640

# DOUBLE SCOOP™

DARWIN PERENNIALS

Echinacea Double Scoop Bubble Gum



BIG DOUBLE  
BLOOMS SERVE UP  
TWICE THE TASTY  
COLOR



**DARWIN PERENNIALS**

Echinacea Double Scoop Mandarin

**DARWIN PERENNIALS**



Echinacea Double Scoop Raspberry

**DARWIN PERENNIALS**



Echinacea Double Scoop Bubble Gum

**DARWIN PERENNIALS**



Echinacea Double Scoop Cranberry

**DARWIN PERENNIALS**



Echinacea Double Scoop Lemon Cream

**DARWIN PERENNIALS**



Echinacea Double Scoop Orangeberry

**DARWIN PERENNIALS**



Echinacea Double Scoop Mandarin

**ECHINACEA**   
(CONEFLOWER)

*Echinacea x hybrida*

**DOUBLE SCOOP™ SERIES**

**Height:** 22 to 24 in. (56 to 60 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 9

Available as tissue culture-raised liners

**Darwin Perennials**

**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.
- 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!

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

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

**Lemon Cream** 'Balsclemc' PPAF; US7,982,110

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

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

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

# SOMBRERO®

DARWIN PERENNIALS

Echinacea Sombbrero Flamenco Orange



HATS OFF TO  
THIS HARDY  
AND COLORFUL  
PERENNIAL  
FAVORITE

DARWIN PERENNIALS



Echinacea Sombrero Baja Burgundy

DARWIN PERENNIALS



Echinacea Sombrero Salsa Red

DARWIN PERENNIALS



Echinacea Sombrero Flamenco Orange

DARWIN PERENNIALS



Echinacea Sombrero Adobe Orange

DARWIN PERENNIALS



Echinacea Sombrero Hot Coral

DARWIN PERENNIALS



Echinacea Sombrero Lemon Yellow

DARWIN PERENNIALS



Echinacea Sombrero Sandy Yellow

DARWIN PERENNIALS



Echinacea Sombrero Blanco

**ECHINACEA**   
(CONEFLOWER)  
*Echinacea x hybrida*

**SOMBRERO® SERIES**

**Height:** 22 to 24 in. (56 to 60 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 9

Available as tissue culture-raised liners

*Darwin Perennials*

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

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

**Adobe Orange** 'Balsomador' PP26,639; US7,982,110

**Baja Burgundy** 'Balsomabur' PPAF; US7,982,110

**Blanco** 'Balsomblanc'

**Flamenco Orange** 'Balsomenco' PP25,523; US7,982,110

**Hot Coral** 'Balsomocor' PP23,097; US7,982,110

**Lemon Yellow** 'Balsomemy' PP24,768; US7,982,110

**Salsa Red** 'Balsomised' PP23,105; US7,982,110

**Sandy Yellow** 'Balsomselo' PP23,104; US7,982,110



DARWIN PERENNIALS

Echinacea Sombrero Salsa Red

DARWIN PERENNIALS

Echinacea Sombrero Blanco

# BLUE MARVEL

DARWIN PERENNIALS

Salvia 'Blue Marvel'



CUSTOMERS WILL  
MARVEL AT THE  
SIZE OF THESE  
MAGNIFICENT  
BLOOMS

SALVIA   
(MEADOW SAGE)  
*Salvia nemorosa*

**'BLUE MARVEL'**

**Height:** 10 to 12 in. (30 to 35 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 4 to 9  
*Darwin Perennials*  
PPAF

*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.



**DARWIN PERENNIALS**

Salvia 'Blue Marvel'



## PERENNIAL TALES: HEALING PLANTS

### **Digitalis** (p. XII–XIII)

For many years, herbalists have used *Digitalis* to treat skin sores. In the late 1700s, Dr. W. Withering, a British physician, noted that small amounts of the plant helped with heart problems. This led to its widespread use for cardiac issues. The active ingredient, *digitalin*, is still prescribed today to treat congestive heart failure and heart rhythm problems and can help improve blood circulation.

### **Echinacea** (p. XIV–XVII)

Archaeologists have found evidence that Native Americans may have used *Echinacea* for more than 400 years to treat infections and wounds, and as a general "cure-all." Throughout history people have used *Echinacea* to treat scarlet fever, malaria, blood poisoning and diphtheria. Today it is used to shorten the duration and reduce symptoms of the common cold and flu. Herbalists recommend *Echinacea* to help boost the immune system and help fight infections.

### **Achillea** (p. 1–3)

Named after the Greek warrior Achilles, *Achillea* is also known as woundwort. It is said that Achilles used a poultice of the plant's leaves to staunch minor wounds of his soldiers. This plant is still used to help heal cuts, scratches, rashes and burns, and to stop the bleeding of minor cuts.

Much of the information above is from Dr. Allan M. Armitage, Professor Emeritus of Horticulture, UGA, and author of *It's Not Just About The Hat, Herbaceous Perennial Plants* (3rd ed). Website: [www.allanarmitage.net](http://www.allanarmitage.net)

# CARNIVAL

MIXED CONTAINER IDEA DARWIN PERENNIALS

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



A CARNIVAL OF  
COLOR AT A PRICE  
EVERYONE CAN  
ENJOY

# DARWIN PERENNIALS



Heuchera 'Carnival Black Olive'

# DARWIN PERENNIALS



Heuchera 'Carnival Candy Apple'

# DARWIN PERENNIALS



Heuchera 'Carnival Cocomint'

# DARWIN



Heuchera 'Carnival Coffee Bean'

# DARWIN



Heuchera 'Carnival Fall Festival'

# DARWIN



Heuchera 'Carnival Limeade'

# DARWIN



Heuchera 'Carnival Peach Parfait'

# DARWIN PERENNIALS



Heuchera 'Carnival Plum Crazy'

# DARWIN PERENNIALS



Heuchera 'Carnival Rose Granita'

# DARWIN



Heuchera 'Carnival Silver Streak'

# DARWIN



Heuchera 'Carnival Watermelon'

# DARWIN PERENNIALS



Heuchera 'Frosty Morn'

Keeps its striking coloration all the way to the garden!

HEUCHERA (CORAL BELLS)  
*Heuchera x hybrida*

## CARNIVAL SERIES

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

**Bloom Months:** April to May

**USDA Hardiness Zones:** 4 to 9

Available as tissue culture-raised liners; contact your rep for more details.

**Darwin Perennials**

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

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

**'Carnival Black Olive'**

**'Carnival Candy Apple'**

**'Carnival Cocomint'** PP24,927

**'Carnival Coffee Bean'** PP24,943

**'Carnival Fall Festival'**

**'Carnival Limeade'** PP24,899

**'Carnival Peach Parfait'** PP24,928

**'Carnival Plum Crazy'** PP24,771

**'Carnival Rose Granita'**

**'Carnival Silver Streak'** PP24,770

**'Carnival Watermelon'** PP24,803

HEUCHERA (CORAL BELLS)  
*Heuchera sanguinea*

## 'FROSTY MORN'

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

**Bloom Months:** May to June

**USDA Hardiness Zones:** 4 to 9

Available as tissue culture-raised liners; contact your rep for more details.

**Darwin Perennials**

- Consistent, stable variegation won't revert to green.
- Eye-catching foliage has big consumer appeal.
- Does well in mixed shade containers and shady gardens.
- Bright red flowers.

# A-Z LISTING

FROM ACHILLEA  
TO WALDSTEINIA,  
NEARLY 600  
UNROOTED,  
IN-DEMAND  
VARIETIES TO  
SATISFY YOUR  
EXPANDING  
PERENNIALS  
MARKET.



Achillea  
'Coronation Gold'



Achillea  
'Moonshine'



Achillea 'Paprika'



Achillea New  
Vintage White



Achillea New Vintage Red



Achillea New Vintage Rose

## DARWIN PERENNIALS



Achillea New Vintage Violet

Two-time winner! Excellent overall average score for second season, from the Franklin Park Conservatory, Columbus, Ohio.

## DARWIN PERENNIALS



Achillea Moon Dust

Compact habit is perfect for containers.

## ACHILLEA (YARROW)

*Achillea*

### 'CORONATION GOLD'

**Height:** 36 in. (90 cm)

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

**USDA Hardiness Zones:** 3 to 9

Large, deep yellow heads, excellent for drying.

### 'MOONSHINE'

**Height:** 18 to 24 in. (45 to 60 cm)

**Bloom Months:** June to September

**USDA Hardiness Zones:** 4 to 8

*Blooms of Bressingham*

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

## ACHILLEA (YARROW)

*Achillea hybrid*

### MOON DUST

**Height:** 12 to 14 in. (30 to 35 cm)

**Bloom Months:** June to July

**USDA Hardiness Zones:** 5 to 8

*Darwin Perennials*

'Novaachdus' PP25,838

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

## ACHILLEA (YARROW)

*Achillea millefolium*

### 'PAPRIKA'

**Height:** 24 to 30 in. (60 to 75 cm)

**Bloom Months:** June to September

**USDA Hardiness Zones:** 3 to 9

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

## ACHILLEA (YARROW)

*Achillea millefolium*

### NEW VINTAGE™ SERIES

**Height:** 12 to 14 in. (30 to 35 cm)

**Bloom Months:** June to July

**USDA Hardiness Zones:** 4 to 9

*Darwin Perennials*

- Tidy plant habit with no gap between foliage and flowers – outstanding in containers.
- Bold colors mature to attractive shades instead of fading to brown like other varieties.
- Great for late-Spring one-gallon programs.

**Red** 'Balvinred' PP25,618

**Rose** 'Balvinrose' PP25,712

**Violet** 'Balvinole' PP25,750

**White** 'Balvinwite' PP25,711



Achillea Little Moonshine



Achillea 'Strawberry Seduction'



Achillea 'Saucy Seduction'



Achillea 'Peachy Seduction'



Achillea 'Sunny Seduction'



Achillea Tutti Frutti 'Pomegranate'



Achillea Tutti Frutti 'Apricot Delight'

#### LITTLE MOONSHINE

**Height:** 12 to 14 in. (30 to 35 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 8  
*Blooms of Bressingham*  
 PPAF

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

#### SEDUCTION SERIES

**Height:** 23 to 27 in. (58 to 68 cm)  
**Bloom Months:** Mid-June to July  
**USDA Hardiness Zones:** 4 to 8  
*Blooms of Bressingham*

Excellent flowering uniformity with remarkably dense columnar habit.

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

#### TUTTI FRUTTI SERIES

**Height:** 22 to 29 in. (56 to 74 cm)  
**Bloom Months:** Mid-June to July  
**USDA Hardiness Zones:** 4 to 8  
*Blooms of Bressingham*

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

'Apricot Delight' PP18,738  
 'Pink Grapefruit' PP20,741  
 'Pomegranate' PP20,763  
 'Wonderful Wampee' PP18,760

ACHILLEA   
 (YARROW)  
*Achillea millefolium*

#### SONG SIREN™ COLLECTION

**Height:** 20 to 22 in. (50 to 55 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9  
*Darwin Perennials*

- Rich color selection in a garden-height Achillea.
- Color holds up well in the garden.
- Ideal for one- or two-gallon Summer programs.

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

ACHILLEA   
 (YARROW)  
*Achillea tomentosa*

#### 'KING EDWARD'

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

Pale primrose-yellow flowers over wooly foliage.

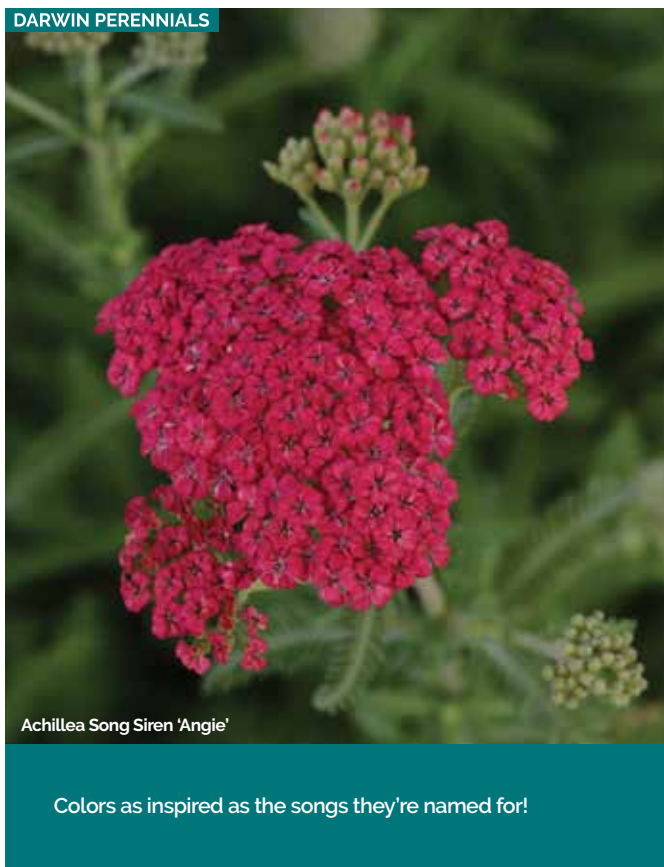


Achillea Tutti Frutti 'Pink Grapefruit'



Achillea Tutti Frutti 'Wonderful Wampee'

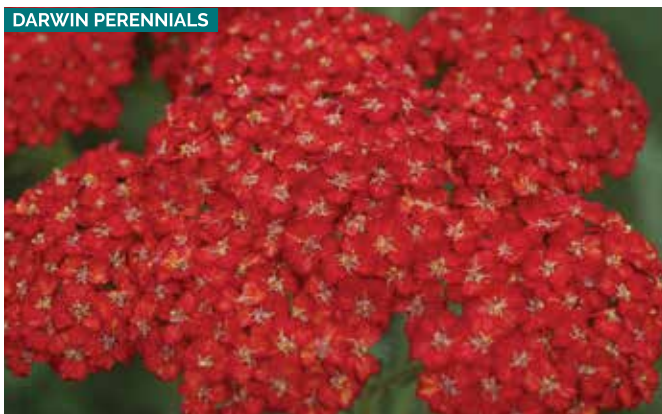
DARWIN PERENNIALS



Achillea Song Siren 'Angie'

Colors as inspired as the songs they're named for!

DARWIN PERENNIALS



Achillea Song Siren 'Pretty Woman'

DARWIN PERENNIALS



Achillea Song Siren 'Laura'

DARWIN PERENNIALS



Achillea Song Siren 'Layla'

DARWIN PERENNIALS



Achillea Song Siren 'Little Susie'



Achillea 'King Edward'

AEGOPIDIUM (GOUTWEED)

*Aegopodium podagraria*

'VARIEGATUM'

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

**Bloom Months:** Summer

**USDA Hardiness Zones:** 4 to 9

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



Aegopodium 'Variegatum'

MIXED CONTAINER IDEA



Perennial Mixed Container suggestion: Song Siren 'Layla' Achillea, 'Silver Brocade' Artemisia, 'Halo Violet' Viola and EnduraScape™ Hot Pink Verbena



Agastache 'Little Adder'

Mint family member is an outstanding source of nectar for bees and butterflies.



Agastache 'Blue Boa'



Agastache 'Blue Fortune'



Agastache 'Kudos Silver Blue'



Agastache 'Kudos Coral'

AGASTACHE (ANISE HYSSOP)  
*Agastache rugosa*

'LITTLE ADDER'

**Height:** 15 to 18 in. (38 to 45 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 5 to 9  
*Darwin Perennials*  
PP26,514

- Half the height of 'Black Adder' or 'Blue Fortune', with better branching.
- Three times the blooms of 'Black Adder' for three times the flower power.
- Great show at retail and in the garden for better sell-through and repeat sales.

AGASTACHE (MEXICAN HYSSOP)  
*Agastache hybrid*

'BLUE BOA'

**Height:** 32 in. (80 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 5 to 10  
*Terra Nova Nurseries, Inc.*  
PP24,050

Highly floriferous, with thick purple flower spikes and violet-blue blooms.

'BLUE FORTUNE'

**Height:** 24 to 36 in. (60 to 90 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 6 to 9  
Tall spikes of soft blue flowers with fragrant foliage.

KUDOS SERIES

NEW FOR 2017

**Height:** 20 to 26 in. (50 to 66 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 5 to 10  
*Terra Nova® Nurseries, Inc.*

- Uniform, genetically dwarf series with well-branched, mounded habit.
- Resists downy mildew.
- Lots of blooms with Summer-long impact.

'Kudos Ambrosia' PP25,614  
'Kudos Coral' PP25,613  
'Kudos Gold' PP26,410  
'Kudos Mandarin' PP25,381  
'Kudos Silver Blue' PP25,344  
'Kudos Yellow' PP26,563

'PURPLE HAZE'

**Height:** 38 in. (96 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 6 to 10  
Cool violet-blue flowers last into Fall.

NEW FOR 2017



Agastache 'Kudos Mandarin'

NEW FOR 2017



Agastache 'Kudos Ambrosia'

NEW FOR 2017



Agastache 'Kudos Gold'

NEW FOR 2017



Agastache 'Kudos Yellow'



Agastache 'Purple Haze'



## ATTRACT POLLINATORS!

Darwin Perennials offers a number of varieties that appeal to bees and other pollinators. These varieties have been identified by research as beneficial to pollinators.

**Agastache 'Little Adder' and Kudos Series**  
(p. 4–5)

**Aster 'Purple Dome'** (p. 10)

**Boltonia Jim Crockett** (p. 10)

**Buddleia Cran Razz and Flutterby Petite® Series**  
(p. 11–12)

**Caryopteris Good as Gold** (p. 14)

**Centaurea 'Lavender Mist'** (p. 15)

**Eupatorium 'Little Joe'** (p. 23)

**Gaillardia Gallo™ Series** (p. 26–27)

**Geranium 'Miss Heidi'** (p. 30)

**Heliopsis 'Sunstruck' and 'Double Sunstruck'**  
(p. 31)

**Monarda Balmy™ Series** (p. 44–45)

**Penstemon 'Dark Towers' and 'Prairie Twilight'**  
and *Penstemon digitalis* varieties (p. 48–49)

**Phlox paniculata** Garden Phlox varieties (p. 53)

**Phlox divaricata** Woodland Phlox varieties (p. 53)

**Phlox stolonifera** Creeping Phlox varieties (p. 54)

**Rhodanthemum 'Casablanca' and 'Marrakech'**  
(p. 59)

**Rudbeckia 'Viette's Little Suzy'** (p. 61)

**Salvia 'Radio Red'** (p. 62)

Impress customers who are concerned about the environment and crop productivity by promoting Darwin Perennials varieties that attract pollinators!



Ajuga 'Metallica Crispa'



Ajuga 'Black Scallop'



Ajuga 'Bronze Beauty'



Ajuga 'Burgundy Glow'



Ajuga 'Catlin's Giant'



Ajuga 'Mahogany'



Ajuga 'Pink Lightning'



Ajuga 'Silver Queen'

#### MIXED CONTAINER IDEA



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

AJUGA (BUGLEWEED)  
*Ajuga pyramidalis*

#### 'METALLICA CRISPA'

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

Blue flowers on cushions of curled, purple-bronze leaves with a metallic sheen.

AJUGA (BUGLEWEED)  
*Ajuga reptans*

#### 'BLACK SCALLOP'

**Height:** 6 in. (15 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 9  
*PlantHaven, Inc.*  
PP15,815

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

#### 'BRONZE BEAUTY'

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

Deep bronze foliage topped by blue flower spikes.

#### 'BURGUNDY GLOW'

**Height:** 3 to 6 in. (7 to 15 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 3 to 9  
Blue flowers on pink and silver variegated leaves splashed with purple.

#### 'CATLIN'S GIANT'

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

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

#### 'MAHOGANY'

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

Dark burgundy to black foliage with bright blue flowers.

#### 'PINK LIGHTNING'

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

Green and white variegated leaves with soft pink flower spikes.



Ajuga 'Chocolate Chip'



Ajuga 'Dixie Chip'



Ajuga 'Mint Chip'



Amsonia 'Blue Ice'

#### 'SILVER QUEEN'

**Height:** 6 in. (15 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 3 to 9  
 Blue flower spikes over white and green variegated leaves.

AJUGA ●●●  
 (BUGLEWEED)  
*Ajuga x tenorii*

#### 'CHOCOLATE CHIP'

**Height:** 4 in. (10 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 3 to 9  
 Dwarf form with narrow, chocolate-colored leaves and blue flowers.

#### 'DIXIE CHIP'

**Height:** 3 in. (7 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 3 to 9  
*ItSaul Plants LLC*  
 PP20,890  
 Unique, multi-colored foliage with brilliant blue flowers; spreading habit.

#### 'MINT CHIP'

**Height:** 3 in. (7 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 9  
*ItSaul Plants LLC*  
 PP20,734  
 Narrow, deep green leaves are covered with brilliant blue flowers in Spring.

AMSONIA ●●●  
 (BLUE STAR)  
*Amsonia x hybrida*

#### 'BLUE ICE'

**Height:** 16 in. (40 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 9  
 Starry blue blooms against narrow, bright green leaves that turn yellow in Fall.



## NEW RHYTHMIX™ COMBOS DELIVER EASY STEPS FOR GROWING SUCCESS!

Expand your premium offerings with unique, easy-care **RhythMix™** perennial combos from Darwin Perennials. Perfectly choreographed for dramatic designs, these colorful combos let you take the lead with easy scheduling, growing and shipping.

Featuring popular vegetative and seed varieties, each one of the RhythMix Combos has undergone thorough trials and has been carefully selected, keeping your needs in mind.

Want to get creative? Make your own perennial combos! See our suggestions on pages 3 and 6.

The bottom line: RhythMix Combos help you manage costs, put on a good show of color at retail and give gardeners long-lasting flower power through Summer heat.

RhythMix liners are available to meet key finish dates – you'll find combo photos and variety lists, supplier info and more at [darwinperennials.com/rhythmix](http://darwinperennials.com/rhythmix).

DARWIN PERENNIALS

Alyssum 'Golden Spring'

GOLDEN  
SPRING



Works well in mixed containers!

ALYSSUM   
*Alyssum wulfenianum*

'GOLDEN SPRING'

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

**Bloom Months:** April to May

**USDA Hardiness Zones:** 4 to 9

*Darwin Perennials*

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.



Armeria 'Nifty Thrifty'



Armeria 'Rubrifolia'



Artemisia French Tarragon



Artemisia 'Silver Brocade'



Artemisia 'Powis Castle'

ARMERIA   
(THRIFT, SEA PINKS)  
*Armeria maritima*

#### 'NIFTY THRIFT'

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

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

#### 'RUBRIFOLIA'

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

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

ARTEMISIA   
(WORMWOOD)  
*Artemisia arborescens*

#### 'POWIS CASTLE'

**Height:** 24 to 30 in. (60 to 75 cm)  
**Bloom Months:** July  
**USDA Hardiness Zones:** 5 to 9

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

ARTEMISIA   
(WORMWOOD)  
*Artemisia dracunculifolia sativa*

#### FRENCH TARRAGON

**Height:** to 36 in. (90 cm)  
**Bloom Months:** Non-flowering  
**USDA Hardiness Zones:** 3 to 7

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

ARTEMISIA   
(WORMWOOD)  
*Artemisia schmidtiana*

#### 'SILVER MOUND'

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

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:** 3 to 8

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



Artemisia 'Silver Mound'

## DARWIN PERENNIALS



Boltonia Jim Crockett

Popular perennial scored very good to outstanding in trials from Georgia to Minnesota.

## NEW FOR 2017



Buddleia Berry Fizz

Drought and heat-tolerant Buddleias are first choice for low-water gardens.



Aster 'Purple Dome'



Aster 'Professor Anton Kippenburg'

### ASTER

*Aster novae angliae*

#### 'PURPLE DOME'

**Height:** 20 in. (50 cm)

**Bloom Months:** August to October

**USDA Hardiness Zones:** 4 to 9

Solid masses of purple flowers with yellow centers.

### ASTER

*Aster novi-belgii*

#### 'PROFESSOR ANTON KIPPENBURG'

**Height:** 15 in. (38 cm)

**Bloom Months:** Late Summer to Fall

**USDA Hardiness Zones:** 4 to 8

Lavender-blue flowers with gold centers.

#### 'WOOD'S PINK'

**Height:** 12 to 18 in. (30 to 45 cm)

**Bloom Months:** Late Summer to Fall

**USDA Hardiness Zones:** 4 to 8

Pale pink flowers with light yellow centers.

#### 'WOOD'S PURPLE'

**Height:** 12 to 18 in. (30 to 45 cm)

**Bloom Months:** Late Summer to Fall

**USDA Hardiness Zones:** 4 to 8

Purple-blue flowers with light yellow centers.

### ASTER

*Aster x frikartii*

#### MOENCH

**Height:** 24 in. (60 cm)

**Bloom Months:** Late Summer to Fall

**USDA Hardiness Zones:** 4 to 8

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

### BOLTONIA

(FALSE ASTER)

*Boltonia asteroides* var. *latisquama*

#### JIM CROCKETT

**Height:** 18 to 24 in. (45 to 60 cm)

**Bloom Months:** May to September

**USDA Hardiness Zones:** 4 to 9

**Darwin Perennials**

'Mabolimket' PP16,678

- Early and free-flowering U.S. native species.
- Medium to dark green foliage and abundant lavender blooms with yellow centers.
- Compact, mounded habit.



Aster 'Wood's Pink'



Aster 'Wood's Purple'



Aster Moench



Buddleia 'Black Knight'

NEW FOR 2017



Buddleia Blaze Pink

The first really pink Buddleia!

NEW FOR 2017



Buddleia Cran Razz

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

## BUDDLEIA (BUTTERFLY BUSH)

*Buddleia davidii*

### BERRY FIZZ

NEW FOR 2017

**Height:** 4 to 5 ft. (1.2 to 1.5 m)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 5 to 10  
*Star Roses and Plants*  
 'Bosbrizz'

- Beautiful full habit.
- Long blooming.
- Spectacular color.

### 'BLACK KNIGHT'

**Height:** to 7 ft. (2 m)  
**Bloom Months:** July to September  
**USDA Hardiness Zones:** 6 to 9

Deep blue-black flowers and silvery foliage.

### BLAZE PINK

NEW FOR 2017

**Height:** 5 to 6 ft. (1.5 to 1.8 m)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 5 to 10  
*Star Roses and Plants*  
 'Bosblink' PP25,731

- Smaller flowers accented by silvery foliage.
- Long flowering period.
- Drought and heat tolerant.

### BUZZ™ SERIES

**Height:** 4 to 5 ft. (1.2 to 1.5 m)  
**Bloom Months:** July to September  
**USDA Hardiness Zones:** 5 to 10  
*Cultivaris North America LLC*

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

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

### CRAN RAZZ

NEW FOR 2017

**Height:** 5 to 6 ft. (1.5 to 1.8 m)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 5 to 10  
*Star Roses and Plants*  
 'Boscrazz' PP25,730

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



Buddleia Buzz Lavender



Buddleia Buzz Midnight



Buddleia Buzz Velvet



Buddleia Buzz Magenta Improved



Buddleia Buzz Purple



Buddleia Buzz Sky Blue Improved



Buddleia Buzz Ivory

NEW FOR 2017



Buddleia Flutterby Petite Tutti Fruitti Pink

Blue Heaven and Tutti Fruitti Pink are THE first Buddleias to flower and sell at retail, sparking strong Spring sales.

NEW FOR 2017



Buddleia True Blue

The truest blue flowers, with silvery gray foliage.

NEW FOR 2017



Buddleia Flutterby Petite Blue Heaven

#### FLUTTERBY PETITE®

NEW FOR 2017

**Height:** 24 to 30 in. (60 to 75 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 5 to 10  
*Star Roses and Plants*

- Truly dwarf and compact series.
- Proven cold tolerance.
- Non-invasive varieties.

**Blue Heaven** 'Podaras #8' PP22,069  
**Tutti Fruitti Pink** 'Podaras #13' PP22,177

#### TRUE BLUE

NEW FOR 2017

**Height:** 61 to 73 in. (1.55 to 1.85 m)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 5 to 10  
*Star Roses and Plants*  
 'Bostulu' PP25,708

- Strong stems and upright habit.
- Reblooming, with big flowers.
- Low seed set.

CALAMINTHA   
 (CALAMINT)  
*Calamintha grandiflora*

#### 'VARIEGATA'

**Height:** 18 in. (45 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 6 to 11  
 Pink flowers on fragrant, variegated white and green foliage.

CAMPANULA   
 (BELLFLOWER)  
*Campanula garganica*

#### 'DICKSON'S GOLD'

**Height:** 4 to 6 in. (10 to 15 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 4 to 9  
 Blue star-shaped flowers on golden foliage.

CAMPANULA   
 (BELLFLOWER)  
*Campanula glomerata*

#### GENTI SERIES

NEW FOR 2017

**Height:** 14 to 19 in. (35 to 48 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 3 to 8  
*Rene van Gaalen B.V.*

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

**Blue** 'Allgentibl' PP24,687  
**Twisterbell** 'Allgentitwist' PP25,403  
**White** 'Allgentiw' PP24,686

NEW FOR 2017



Campanula Genti Blue

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

**'BIRCH HYBRID'**

**Height:** 4 to 6 in. (10 to 15 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 7  
A dwarf form with pale blue flowers.

**'MISS MELANIE'**

**Height:** 8 in. (20 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 5 to 7  
Lavender-blue flowers on a compact plant.

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

**'BLUE RIVULET'**

**Height:** 6 in. (15 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 4 to 9  
**Blooms of Bressingham**  
PP20,082  
Vigorous grower features spreading habit and prolific star-shaped, lavender-blue flowers with white eye.

NEW FOR 2017



Campanula Genti Twisterbell



Calamintha 'Variegata'

NEW FOR 2017



Campanula Genti White



Campanula 'Dickson's Gold'

**BLUE WATERFALL**

**Height:** 8 in. (20 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 4 to 9  
**Blooms of Bressingham**  
Camgood PP13,161

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

**CAMPANULA** ●  
(BELLFLOWER)  
*Campanula punctata*

**'CHERRY BELLS'**

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 4 to 8  
Cherry-red bells with creamy spotted interiors and spreading foliage.



Campanula 'Birch Hybrid'



Campanula 'Miss Melanie'



Campanula 'Blue Rivulet'



Campanula Blue Waterfall



Campanula 'Cherry Bells'



Campanula Iridescent Bells

Blooms a long time for better sell-through and excellent garden show.

#### DARWIN PERENNIALS



Caryopteris Good As Gold

Compact, dense dome of brilliant Spring and Summer foliage.

#### DARWIN PERENNIALS



Caryopteris Grand Bleu

One of the best blue Caryopteris on the market.

**CAMPANULA** ●  
(BELLFLOWER)  
*Campanula x hybrida*

#### IRIDESCENT BELLS

**Height:** 24 to 30 in. (60 to 75 cm)  
**Bloom Months:** April to September  
**USDA Hardiness Zones:** 5 to 8  
**Burpee**  
'Iribella' PPAF

- Eggplant-colored buds and light lavender flowers that bloom all Summer long.
- Non-seeding variety won't become invasive in gardens and landscapes.
- Tidy habit for patio containers, smaller beds and mid-borders.

**CARYOPTERIS** ●  
(BLUEBEARD)  
*Caryopteris hybrid*

#### GOOD AS GOLD

**Height:** 36 to 48 in. (90 cm to 12 m)  
**Bloom Months:** August to October  
**USDA Hardiness Zones:** 7 to 8  
**Darwin Perennials**  
'Novacargol' PP26,035

- Tender perennial.
- Chartreuse foliage with violet-blue flowers in late Summer.
- Attracts butterflies.

**CARYOPTERIS** ●  
(BLUEBEARD)  
*Caryopteris x clandonensis*

#### GRAND BLEU®

**Height:** 48 in. (12 m)  
**Bloom Months:** August to October  
**USDA Hardiness Zones:** 6 to 9  
**Darwin Perennials**  
'Inoveris' PP17,837

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



Caryopteris 'Dark Knight'



Centaurea 'Lavender Mist'

Better branching, shorter habit and lots more flower power!



Centaurea 'Amethyst Dream'



Centaurea 'Amethyst in Snow'



Centaurea 'Gold Bullion'



Ceratostigma plumbaginoides

#### 'DARK KNIGHT'

**Height:** 24 to 36 in. (60 to 75 cm)  
**Bloom Months:** July to September  
**USDA Hardiness Zones:** 6 to 9

Purple flowers complement dark green foliage.

**CENTAUREA** ●  
 (CORNFLOWER)

*Centaurea montana*

#### 'AMETHYST DREAM'

**Height:** 20 in. (50 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 3 to 9  
**Blooms of Bressingham**  
 PP20,781

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

#### 'AMETHYST IN SNOW'

**Height:** 14 in. (35 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 3 to 9  
**Blooms of Bressingham**  
 PP18,284

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

#### 'GOLD BULLION'

**Height:** 12 to 15 in. (30 to 38 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 3 to 9

**Blooms of Bressingham**  
 PP10,865

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

#### 'LAVENDER MIST'

**Height:** 16 to 18 in. (40 to 45 cm)  
**Bloom Months:** April to June  
**USDA Hardiness Zones:** 4 to 9

**Burpee**  
 PPAF

- 50% more flowers on a compact habit for plenty of retail appeal.
- Uniform flowering when bulked and overwintered.
- Longer blooming time than other cultivars.

**CERATOSTIGMA** ●●  
 (LEADWORT)

*Ceratostigma plumbaginoides*

**Height:** 8 to 12 in. (20 to 30 cm)  
**Bloom Months:** August to September  
**USDA Hardiness Zones:** 5 to 8

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

## DARWIN PERENNIALS



Coreopsis Sunny Day

Excellent choice to brighten borders and containers.

## DARWIN PERENNIALS



Coreopsis Little Bird

Significant advancement in dwarf and rounded habit makes this a great container plant.

### CHRYSOGONUM (GREEN & GOLD)

*Chrysogonum virginianum*

#### 'PIERRE'

**Height:** 6 in. (15 cm)  
**Bloom Months:** Spring  
**USDA Hardiness Zones:** 5 to 9  
 Yellow daisy flowers on soft green foliage clumps.

### COREOPSIS (TICKSEED)

*Coreopsis auriculata*

#### 'NANA'

**Height:** 9 in. (22 cm)  
**Bloom Months:** April to June  
**USDA Hardiness Zones:** 3 to 9

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

### COREOPSIS (TICKSEED)

*Coreopsis grandiflora*

#### SUNNY DAY

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 9

**Darwin Perennials**  
 'Balcorsunay' PP17,405

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

### COREOPSIS (TICKSEED)

*Coreopsis hybrid*

#### CRUIZIN' MAIN STREET

**Height:** 18 in. (45 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 5 to 9  
**ItSaul Plants LLC.**  
 PP24,562

Brilliant flowers and dark green, threadleaf foliage.

#### LITTLE BIRD

**Height:** 12 to 14 in. (30 to 35 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 5 to 9

**Darwin Perennials**  
 'Novacorbir' PP26,108

- True dwarf with rounded habit.
- Yellow flowers and dense, narrow foliage.
- Makes a great container plant.



Chrysogonum 'Pierre'



Coreopsis 'Nana'

© The John Henry Company



Coreopsis Cruizin' Main Street



Coreopsis Mayo  
Clinic Flower of Hope



Coreopsis  
'Moonbeam'



Coreopsis  
'American Dream'



Coreopsis  
'Limerock Ruby'

## DARWIN PERENNIALS



Coreopsis Crème Caramel

Equally at home in mass plantings or containers.



Coreopsis 'Limerock Passion'



Coreopsis Solanna 'Golden Sphere'



Coreopsis 'Limerock Dream'



Coreopsis 'Crème Brulee'

### MAYO CLINIC FLOWER OF HOPE®

**Height:** 24 in. (60 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 5 to 9  
*ItSaul Plants LLC*  
'Electric Avenue' PP24,688

Produces lots of screaming yellow flowers with narrow green leaves. Tag purchase required.

### SOLANNA™ 'GOLDEN SPHERE'

**Height:** 8 in. (20 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 5 to 9  
*Danziger "Dan" Flower Farms*  
PPAF

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

### 'LIMEROCK DREAM'

**Height:** 16 in. (40 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 8 to 10  
*Blooms of Bressingham*  
PP16,923

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

### 'LIMEROCK PASSION'

**Height:** 16 in. (40 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 8 to 10  
*Blooms of Bressingham*  
PP15,979

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

### 'LIMEROCK RUBY'

**Height:** 16 in. (40 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 8 to 10  
*Blooms of Bressingham*  
PP15,455

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

COREOPSIS (TICKWEED)  
*Coreopsis verticillata*

### 'CRÈME BRULÉE'

**Height:** 20 in. (50 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9  
*Blooms of Bressingham*  
PP16,096

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

### CRÈME CARAMEL™

**Height:** 18 in. (45 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 5 to 9  
*Darwin Perennials*  
'Novcorcar' PP22,565

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

### 'MOONBEAM'

**Height:** 15 to 18 in. (38 to 45 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 3 to 9

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

## DARWIN PERENNIALS



Coreopsis 'Sylvester'

Long-blooming Sylvester grows fast and full!

## DARWIN PERENNIALS



Coreopsis 'Tweety'

Pure yellow blooms are perfect for small spaces – native cultivar in North America.

### 'ROUTE 66'

**Height:** 24 to 27 in. (60 to 68 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 9  
*ItSaul Plants LLC*  
 PP20,609

Yellow flowers with a striking burgundy ring around the crown that bleeds to petal tips as the season progresses.

### 'SWEET MARMALADE'

**Height:** 12 in. (30 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 5 to 9  
*Blooms of Bressingham*  
 PP20,702

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

### 'SYLVESTER'

**Height:** 16 to 20 in. (40 to 50 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 9  
*Darwin Perennials*  
 PP24,767

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

### 'TWEETY'

**Height:** 14 to 16 in. (35 to 40 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 9  
*Darwin Perennials*  
 PP23,347

- Ever-blooming plant with plenty of sunny yellow flowers.
- Compact, bushy habit requires no PGRs or bulking.
- Ideal for quart programs.

### 'ZAGREB'

**Height:** 16 to 24 in. (40 to 60 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 3 to 9

Upright, bushy plants bear deep golden yellow flowers.

**COREOPSIS**   
 (TICKWEED)  
*Coreopsis x hybrida*

### 'JETHRO TULL'

**Height:** 15 in. (38 cm)  
**Bloom Months:** May to August  
**USDA Hardiness Zones:** 4 to 9  
*ItSaul Plants LLC*  
 PP18,789

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



Coreopsis 'Route 66'



Coreopsis 'Zagreb'



Coreopsis 'Sweet Marmalade'



Coreopsis 'Jethro Tull'



Coreopsis 'Sweet Marmalade'

NEW FOR 2017



Delosperma 'Alan's Apricot'

NEW FOR 2017



Delosperma Red Mountain Flame



Coreopsis 'Tequila Sunrise'



Coreopsis Hardy Jewel Garnet

#### 'TEQUILA SUNRISE'

**Height:** 14 to 16 in. (35 to 40 cm)  
**Bloom Months:** June to October  
**USDA Hardiness Zones:** 6 to 10  
*Ken and Linda Smith*

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

#### LAVENDER ICE

**Height:** 2 to 3 in. (5 to 7 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 9  
*Plant Select*  
*'Psfave'*

Frosted lavender flowers and strong green succulent foliage.

#### HARDY JEWEL™ GARNET

**Height:** 5 to 26 in. (13 to 66 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 7 to 10  
*Terra Nova Nurseries, Inc.*  
 PP22,485

Brilliant, jewel-toned blooms on dense, low-growing mounds of fine foliage.

#### MESA VERDE®

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

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



Delosperma Lavender Ice



Delosperma Mesa Verde

#### DELOSPERMA (ICE PLANT)

*Delosperma*

#### 'ALAN'S APRICOT'

**NEW FOR 2017**  
**Height:** 2 to 3 in. (5 to 7 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 10  
*Plant Select*

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

#### RED MOUNTAIN® FLAME

##### NEW FOR 2017

**Height:** 2 to 3 in. (5 to 7 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 6 to 9  
*Plant Select*  
*'PWVG02S'*

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



Delosperma Table Mountain



Delosperma cooperi



Delosperma Starburst



Delosperma Red Mountain



Delosperma Fire Spinner



Delosperma 'Jewel of Desert Garnet'



Delosperma 'Jewel of Desert Ruby'



Delosperma 'Jewel of Desert Grenade'

#### TABLE MOUNTAIN®

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

Shimmering fuchsia blooms with white centers.

#### DELOSPERMA (ICE PLANT)

*Delosperma congestum*

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

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

#### DELOSPERMA (ICE PLANT)

*Delosperma cooperi*

**Height:** 3 in. (7 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 6 to 10

Rose-pink flowers on mats of succulent leaves.

#### DELOSPERMA (ICE PLANT)

*Delosperma dyeri*

#### RED MOUNTAIN®

**Height:** 2 in. (5 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 8  
**Plant Select**  
 'Psdold'

- Shiny, light red blooms on robust, evergreen plants.
- Plenty of flowers throughout the growing season.
- A great groundcover for slopes and borders.

#### DELOSPERMA (ICE PLANT)

*Delosperma floribundum*

#### STARBURST®

**Height:** 4 in. (10 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 9  
**Plant Select**

Orchid-pink blooms accented with white centers.

NEW FOR 2017

NEW FOR 2017



Delosperma 'Jewel of Desert Amethyst'

NEW FOR 2017



Delosperma 'Jewel of Desert Opal'



Delosperma 'Jewel of Desert Rosequartz'



Delosperma 'Jewel of Desert Topaz'



Delosperma 'Jewel of Desert Peridot'



Delosperma 'Jewel of Desert Moonstone'



Delosperma 'Wheels of Wonder Violet Wonder'

NEW FOR 2017



Delosperma 'Wheels of Wonder Fire Wonder'

NEW FOR 2017



Delosperma 'Wheels of Wonder Hot Pink Wonder'

NEW FOR 2017



Delosperma 'Wheels of Wonder Orange Wonder'

## DELOSPERMA (ICE PLANT)

*Delosperma hybrid*

### FIRE SPINNER®

**Height:** 2 to 3 in. (5 to 7 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 8  
**Plant Select**  
 'P001S'

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

### JEWEL OF DESERT SERIES

**Height:** 4 to 6 in. (10 to 15 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 10  
**Concept Plants B.V.**

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

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

## WHEELS OF WONDER™ SERIES

NEW FOR 2017

**Height:** 6 to 8 in. (15 to 20 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 9  
**Concept Plants B.V.**

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

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

## DELOSPERMA (ICE PLANT)

*Delosperma nubigenum*

**Height:** 2 to 3 in. (5 to 7 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 9

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

NEW FOR 2017



Delosperma 'Wheels of Wonder Golden Wonder'

NEW FOR 2017



Delosperma 'Wheels of Wonder White Wonder'

NEW FOR 2017



Erysimum Coral Glow

NEW FOR 2017



Erysimum Golden Glow

NEW FOR 2017



Erysimum Orange Glow



Erysimum Winter 'Joy Improved'



Erysimum Winter Sorbet Improved



Erysimum Winter Orchid

**ERYSIMUM**   
(WALLFLOWER)  
*Erysimum x hybrida*

#### GLOW SERIES

**NEW FOR 2017**

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

**Bloom Months:** March to June

**USDA Hardiness Zones:** 5 to 9

**Cultivars North America LLC**

Low-growing Erysimum has improved hardiness and bright colors for early Spring.

**Coral**

**Golden**

**Orange** 'INNERY02'

#### WINTER™ SERIES

**Height:** 18 in. (45 cm)

**Bloom Months:** April to May

**USDA Hardiness Zones:** 8 to 11

**Cultivars North America LLC**

Long-blooming tender perennials have lovely, fragrant flowers on green, linear foliage in early Spring.

**'Joy Improved'**

**'Light'**

**Orchid** 'INNERYWHINORCH' PP22,467

**NEW 'Party'**

**'Passion'**

**'Rouge'**

**Sorbet Improved** 'INNERYWS'

**Sun** 'INERYWISUN'



Erysimum Winter 'Passion'



Erysimum Winter 'Rouge'



Erysimum Winter Sun

NEW FOR 2017



Erysimum 'Winter Party'



Erysimum 'Winter Light'



Erysimum 'Bowles Mauve'



Eupatorium 'Gateway'



Eupatorium 'Chocolate'

DARWIN PERENNIALS



Eupatorium 'Little Joe'

Strong, sturdy stems won't flop!

ERYSIMUM (WALLFLOWER)  
*Erysimum linifolium*

**'BOWLES MAUVE'**

**Height:** 12 to 15 in. (30 to 38 cm)

**Bloom Months:** April to May

**USDA Hardiness Zones:** 6 to 8

'Balchermay' PP26,604

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

EUPATORIUM (JOE-PYE WEED)  
*Eupatorium dubium*

**'LITTLE JOE'**

**Height:** 3 to 4 ft. (90 cm to 1.2 m)

**Bloom Months:** August to September

**USDA Hardiness Zones:** 3 to 9

**Darwin Perennials**

PP16,122

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

EUPATORIUM (JOE-PYE WEED)  
*Eupatorium maculatum*

**'GATEWAY'**

**Height:** 5 to 6 ft. (1.5 to 1.8 m)

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4 to 8

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

EUPATORIUM (JOE-PYE WEED)  
*Eupatorium rugosum*

**'CHOCOLATE'**

**Height:** 4 to 5 ft. (1.2 to 1.5 m)

**Bloom Months:** August to September

**USDA Hardiness Zones:** 4 to 8

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



## REDESIGNED WEBSITE

Our NEW **DarwinPerennials.com** website looks fantastic on your mobile phone! Useful information on perennials is now easily accessible 24/7 on multiple platforms.

Quickly locate specific plant details and culture in a convenient format. Find hardiness zone, plant habit, height and width, watering and fertilizer needs, recommended spacing and exposure, and general information about each plant.

Watch helpful videos including:

- Presentations of the latest new varieties from Darwin Perennials
- A closer look at **Darwin Colombia**, our new production farm

Learn about upcoming events and the latest updates in the world of perennials.

Visit **'Ask The Experts'** to get growing and selling info from Darwin Perennials' plant-loving professionals.

View listings of suppliers to find the perfect source for your needs.

All this and more is at your fingertips via your computer or mobile device!



Euphorbia Red Velvet

**Strong red color sparks Summer and Fall programs and sales.**

EUPHORBIA ●●●  
(SPURGE)  
*Euphorbia amygdaloides*

### RED VELVET

**Height:** 18 to 20 in. (45 to 50 cm)  
**Bloom Months:** March to May  
**USDA Hardiness Zones:** 6 to 10  
*Florensis*  
'Floreupred' PPAF  
• Striking foliage survives Summer heat and intensifies into Fall.  
• Perfect for container gardens and landscapes.  
• Thrives in full sun and well-drained soils.

### RUBY GLOW

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** March to May  
**USDA Hardiness Zones:** 6 to 11  
*PlantHaven, Inc.*  
'Waleuphglo' PP22,200  
Eye-catching, ruby foliage on compact plants with spreading habit.

EUPHORBIA ●●●  
(SPURGE)  
*Euphorbia characias x martinii*

### BLACKBIRD

**Height:** 14 to 16 in. (35 to 40 cm)  
**Bloom Months:** Spring to Summer  
**USDA Hardiness Zones:** 6 to 9  
*PlantHaven, Inc.*  
'Nothowlee' PP17,178  
• Chartreuse flowers contrast with dark purple foliage.  
• Foliage is dark green when planted in shadier areas.  
• Compact, bushy habit.

EUPHORBIA ●●●  
(SPURGE)  
*Euphorbia polychroma*

### 'BONFIRE'

**Height:** 10 in. (25 cm)  
**Bloom Months:** Spring to Summer  
**USDA Hardiness Zones:** 5 to 9  
*Blooms of Bressingham*  
PP18,585  
Neat, uniform mounds of green foliage quickly mature to rich maroon-red in Summer; has glowing chartreuse-gold flowers in Spring.



Euphorbia Ruby Glow



Euphorbia 'Ascot Rainbow'



Euphorbia Blackbird



Euphorbia 'Bonfire'



Euphorbia 'Blue Haze'



Euphorbia 'Shorty'



Euphorbia Tiny Tim

EUPHORBIA (SPURGE)  
*Euphorbia sequieriana x nicaeensis*

#### 'BLUE HAZE'

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 7 to 9  
*PlantHaven, Inc.*  
PP14,868

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

EUPHORBIA (SPURGE)  
*Euphorbia wulfenii*

#### 'SHORTY'

**Height:** 24 in. (60 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 7 to 9  
*ItSaul Plants LLC*  
PP19,808

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

EUPHORBIA (SPURGE)  
*Euphorbia x martinii*

#### 'ASCOT RAINBOW'

**Height:** 20 in. (50 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 6 to 9  
*PlantHaven, Inc.*  
PP21,401

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

#### TINY TIM

**Height:** 10 to 12 in. (25 to 30 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 6 to 9  
*PlantHaven, Inc.*  
"Waleutiny" PP16,930

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

# GALLO™

Gaillardia Gallo Dark Bicolor



GALLO ROLLS OUT  
A BRIGHT BLANKET  
OF COLOR FROM  
SUMMER INTO FALL



Gaillardia Gallo 'Bright Red'



Gaillardia Gallo 'Red'



Gaillardia Gallo 'Fire'



Gaillardia Gallo Dark Bicolor



Gaillardia Gallo 'Yellow Trumpet'



Gaillardia Gallo Peach



Gaillardia Gallo Yellow



Gaillardia 'Celebration'



Gaillardia 'Fanfare Blaze'



Gaillardia 'Fanfare Citronella'

GAILLARDIA 🌻  
(BLANKET FLOWER)  
*Gaillardia aristata*

#### GALLO™ SERIES

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

Long-blooming for stunning Summer borders.

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

**Gallo 'Bright Red'**  
**Gallo Dark Bicolor** 'Kiegaldab' PP20,718  
**Gallo 'Fire'**  
**Gallo Peach** 'Kiegalpea' PP20,717  
**Gallo 'Red'**  
**Gallo Yellow** 'Kiegalyel' PP20,716  
**Gallo 'Yellow Trumpet'**

GAILLARDIA 🌻  
(BLANKET FLOWER)  
*Gaillardia x hybrida*

#### 'CELEBRATION'

**Height:** 16 in. (40 cm)  
**Bloom Months:** June to frost  
**USDA Hardiness Zones:** 5 to 9  
*PlantHaven, Inc.*  
PPAF

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

GAILLARDIA 🌻  
(BLANKET FLOWER)  
*Gaillardia x grandiflora*

#### 'FANFARE BLAZE'

**Height:** 12 in. (30 cm)  
**Bloom Months:** June to frost  
**USDA Hardiness Zones:** 5 to 9  
*PlantHaven, Inc.*  
PP23,494

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

#### 'FANFARE CITRONELLA'

**Height:** 21 in. (52 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 9  
*PlantHaven, Inc.*  
PPAF

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

GALIAM 🌸 🌸  
(SWEET WOODRUFF)  
*Galium odoratum*

**Height:** 6 to 12 in. (15 to 30 cm)  
**Bloom Months:** April  
**USDA Hardiness Zones:** 3 to 9

Low-growing groundcover with glossy green foliage and fragrant white flowers.



Galium odoratum



Gaura Gaudi Red

A trio of incredibly vibrant blooms.

## DARWIN PERENNIALS



Gaura 'Whiskers Deep Rose'

Unique contrasting flower parts add new color interest to a popular class.

## GAURA (WAND FLOWER) *Gaura lindheimeri*

### GAUDI™ SERIES

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

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

**Red** 'Florgaure' PP26,518  
**Rose**  
**Pink**

### 'PASSIONATE BLUSH'

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 7 to 9  
*PlantHaven, Inc.*  
'SME-2' PP27,293

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

### 'PASSIONATE RAINBOW'

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 7 to 9  
*PlantHaven, Inc.*  
PP17,002

Tender perennial has variegated green leaves bordered in creamy white with pink flowers; tight-flowering with dense habit.

### PINK FOUNTAIN

**Height:** 24 to 36 in. (60 to 90 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 6 to 9  
*PlantHaven, Inc.*  
'Walgaupf' PP15,555

Heavy lateral branching for a dense habit and an abundance of soft pink blooms with an exceptionally long flowering period.

### 'SISKIYOU PINK'

**Height:** 24 to 36 in. (60 to 90 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 6 to 9

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

### SNOW FOUNTAIN

**Height:** 24 to 36 in. (60 to 90 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 6 to 9  
*PlantHaven, Inc.*  
'Walsnofou' PP19,376

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

### 'WHIRLING BUTTERFLIES'

**Height:** 23 to 35 in. (58 to 88 cm)  
**Bloom Months:** May to October  
**USDA Hardiness Zones:** 6 to 9

Airy blooms move in the breeze like a cluster of white butterflies.



Gaura Gaudi Rose



Gaura Gaudi Pink



Gaura 'Passionate Blush'



Gaura 'Passionate Rainbow'



Gaura Pink Fountain



Gaura 'Siskiyou Pink'



Gaura Snow Fountain



Gaura 'Whirling Butterflies'

## DARWIN PERENNIALS



Gaura Ballerina Blush

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

## DARWIN PERENNIALS



Gaura 'Little Janie'

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



Gaura Belleza Dark Pink

A great-looking companion plant in containers and landscapes.

### 'WHISKERS DEEP ROSE'

**Height:** 14 to 16 in. (35 to 40 cm)  
**Bloom Months:** April to September  
**USDA Hardiness Zones:** 6 to 9  
*Darwin Perennials*  
 PP26,399

- White filaments set off deep rose petals.
- Compact, bushy habit and dark red foliage.
- A great container item for impulse sales.

### BALLERINA™ SERIES

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** April to September  
**USDA Hardiness Zones:** 6 to 9  
*Darwin Perennials*

- Striking flowers complement dark foliage.
- Well-suited to landscapes and mixed containers.
- White is the most compact, well-branched white Gaura on the market.

**Blush** 'Baltinblus' PP14,683

**Rose** 'Baltinrose' PP14,635

**White** 'Baltincite' PP20,326

### BELLEZA™ SERIES

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 6 to 9  
*Selecta*

- Excellent branching with short flower stems.
- Dark Pink and White Improved have upright habits; Compact Light Pink is mounded.
- Compact Light Pink is well-suited to high-density programs.

**Compact Light Pink** 'KLEGL06261'

**Dark Pink** 'KLEAU04263'

**NEW White Improved** 'KLEGL14844'

### 'LITTLE JANIE'

**Height:** 16 to 18 in. (40 to 45 cm)  
**Bloom Months:** April to September  
**USDA Hardiness Zones:** 6 to 9  
*Darwin Perennials*  
 PP26,356

- 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.

## DARWIN



Gaura Ballerina Rose

## DARWIN



Gaura Ballerina White



Gaura Belleza Compact Light Pink

## NEW FOR 2017



Gaura Belleza White Improved

## DARWIN PERENNIALS



Geranium 'Miss Heidi'

Excellent performance in its first season trial (2015) by University of Minnesota, Morris, Minnesota.

GERANIUM ●●●  
(CRANESBILL)  
*Geranium oxonianum*

### 'MISS HEIDI'

**Height:** 14 to 16 in. (35 to 40 cm)  
**Bloom Months:** April to June  
**USDA Hardiness Zones:** 4 to 9  
*Darwin Perennials*  
PPAF

- Compact habit holds its shape well in containers.
- Attractive pink flowers, patterned foliage with chocolate brown blotch.
- Long blooming time, with heavy flowering in Spring.

GEUM ●●●  
(AVENS)  
*Geum chilense x rivale*

### 'TOTALLY TANGERINE'

**Height:** 30 in. (75 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 8  
*PlantHaven, Inc.*  
PP22,041

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

GEUM ●●●  
(AVENS)  
*Geum hybrid*

### COCKTAILS™ SERIES

**Height:** 11 to 14 in. (28 to 35 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 5 to 7  
*Intrinsic Perennial Gardens*

Hybrid series features good vigor and disease tolerance.

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

GYPSOPHILA ●●●  
(BABY'S BREATH)  
*Gypsophila paniculata*

### FESTIVAL SERIES

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 11  
*Danziger "Dan" Flower Farms*

Semi-double, long-blooming flowers, glaucous foliage and mounding habit.

**Pink**  
**Snow**  
**Festival Star®** 'Danfestar' PP14,818



Geum 'Totally Tangerine'



Geum Cocktails 'Alabama Slammer'



Geum Cocktails 'Mai Tai'



Geum Cocktails 'Tequila Sunrise'

Photo Courtesy of Slaght Gardens



Geum Cocktails 'Banana Daiquiri'



Gypsophila Festival Pink



Gypsophila Festival Snow



Gypsophila Festival Star



Hedera English Ivy



Hedera 'Thorndale'



Helenium  
Mardi Gras



Helenium 'Ruby  
Tuesday'

#### DARWIN PERENNIALS



Heliopsis 'Double Sunstruck'

Semi-double flowers on free-branching plants make a striking season extender.

#### DARWIN PERENNIALS



Heliopsis 'Sunstruck'

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



Heliopsis 'Bressingham Doubloon'

#### HEDERA (IVY)

*Hedera helix*

##### ENGLISH IVY

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

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

##### 'THORNDALE'

**Height:** 3 to 5 in. (7 to 13 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 5 to 9

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

#### HELENIUM (HELEN'S FLOWER)

*Helenium autumnale*

##### MARDI GRAS

**Height:** 36 to 40 in. (90 to 101 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 8

**Blooms of Bressingham**

'Helbro' PP15,124

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



Heliopsis 'Lorraine Sunshine'

#### HELENIUM (HELEN'S FLOWER)

*Helenium hybrida*

##### 'RUBY TUESDAY'

**Height:** 28 to 30 in. (70 to 75 cm)  
**Bloom Months:** July to September  
**USDA Hardiness Zones:** 4 to 8

**Inspiration Plant**

PP18,234

Very compact variety with plenty of small, dark red flowers.

#### HELIOPSIS (OX-EYE)

*Heliopsis helianthoides*

##### 'BRESSINGHAM DOUBLOON'

**Height:** 4 to 5 ft. (1.2 to 1.5 m)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 3 to 9

**Blooms of Bressingham**

PP11,270

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

##### 'DOUBLE SUNSTRUCK'

**Height:** 14 to 16 in. (35 to 40 cm)

**Bloom Months:** May to July

**USDA Hardiness Zones:** 4 to 9

**Darwin Perennials**

PP26,608

- Compact habit lets growers ship more plants per rack.
- Intense yellow flowers and variegated foliage command attention.
- Long-flowering plants light up Spring and Summer gardens.

##### 'SUNSTRUCK'

**Height:** 14 to 16 in. (35 to 40 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 9

**Darwin Perennials**

PP25,524

- 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.

##### 'LORRAINE SUNSHINE'

**Height:** 30 in. (75 cm)

**Bloom Months:** June to September

**USDA Hardiness Zones:** 4 to 9

**Blooms of Bressingham**

PP10,690

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

# HERBS



YOU'LL FIND A WIDE VARIETY OF THE MOST POPULAR CULINARY PERENNIAL HERBS BY USING THIS EASY HERB INDEX.



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Apple Mint  
Chocolate Mint  
Citrata  
Ginger Mint  
Kentucky Colonel  
Mojito  
Peppermint  
Spanish Mint  
Spearmint  
Variegata



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Kasar



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Compactum  
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**ROSEMARINUS/ROSEMARY** p. 60

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**THYMUS/THYME** p. 79

English Thyme  
French Thyme  
Golden Lemon Thyme  
Lemon Thyme  
Orange Thyme  
Silver Edged Thyme  
Variegated



Hypericum Hypearl Star



Iberis 'Purity'



Hypericum calycinum



Hypericum Hypearl Red

#### HYPERICUM (ST. JOHN'S WORT)

*Hypericum calycinum*

**Height:** 15 to 18 in. (38 to 45 cm)

**Bloom Months:** May to July

**USDA Hardiness Zones:** 5 to 9

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

#### HYPERICUM (ST. JOHN'S WORT)

*Hypericum inodorum*

#### HYPEARL® COMPACT SERIES

**Height:** 18 in. (45 cm)

**Bloom Months:** May to June

**USDA Hardiness Zones:** 6 to 9

*De Ruiter Innovations B.V.*

Compact, well-branched shrubs for landscapes and containers have star-shaped flowers in Spring and showy berries in Summer.

**Red** 'Ruihyi174a'

**Star** 'Ruihyg219a' PP26,342

**Yellow** 'Ruihyh002a' PP26,341

#### 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:** 3 to 8

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:** 3 to 8

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



Hypericum Hypearl Yellow



Iberis 'Alexander's White'

## DARWIN PERENNIALS



Iberis 'White Heat'

Extremely long-blooming variety for a longer selling window.

## DARWIN PERENNIALS



Iberis 'Lavish'

Long-blooming variety in a color consumers love!

**IBERIS** ●  
(EVERGREEN CANDYTUFT)  
*Iberis amara*

### 'WHITE HEAT'

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

- No vernalization needed for flowering.
- Ideal for very early sales in the South.
- High heat tolerance.

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

### 'LAVISH'

**Height:** 10 to 12 in. (25 to 30 cm)  
**Bloom Months:** April to August  
**USDA Hardiness Zones:** 6 to 9  
*Darwin Perennials*  
PPAF

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

**LAMIASTRUM** ●●  
(YELLOW ARCHANGEL)  
*Lamiaeum galeobdolon*

### 'HERMAN'S PRIDE'

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

Trailing habit of green and silver leaves with yellow flowers.

### 'VARIEGATUM'

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



Lamiastrum 'Herman's Pride'



Lamiastrum 'Variegatum'

**LAMIUM** ●●  
(SPOTTED DEADNETTLE)  
*Lamium maculatum*

### 'ANNE GREENAWAY'

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

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:** 3 to 9

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



Lamium 'Anne Greenaway'



Lamium 'Beacon Silver'



Lamium 'Orchid Frost'



Lamium 'Pink Pewter'



Lamium 'Purple Dragon'



Lamium 'Shell Pink'



Lamium 'White Nancy'

#### 'ORCHID FROST'

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

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

#### 'PINK PEWTER'

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

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

#### 'SHELL PINK'

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

Soft pink flowers – excellent for shaded border or container.

#### 'WHITE NANCY'

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

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

#### 'PURPLE DRAGON'

**Height:** 4 to 8 in. (10 to 20 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 3 to 9  
*Hortech, Inc.*  
 PP15,890

- Rich purple spikes contrast with bright silvery foliage.
- Snapdragon-like flowers.
- Robust habit.

## DARWIN PERENNIALS



Lavandula SuperBlue

Excellent performer boasts the biggest blooms! Scored 4.7/5 average during July-Sept. Best of Species at Penn State University, Landisville, Pennsylvania, first season.

## NEW FOR 2017



Lavandula Big Time Blue

## LAVANDULA (LAVENDER)

*Lavandula angustifolia*

### BIG TIME BLUE

#### NEW FOR 2017

**Height:** 22 to 24 in. (55 to 60 cm)

**Bloom Months:** May to August

**USDA Hardiness Zones:** 5 to 9

**Concept Plants B.V.**

'Armtipp01' PP24,827

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

### 'BLUE CUSHION'

**Height:** 16 in. (40 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

**Blooms of Bressingham**

PP9,119

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

### 'HIDCOTE'

**Height:** 12 in. (30 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

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

### 'JEAN DAVIS'

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

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

Pale pink flowers over silvery foliage.

### 'MUNSTEAD'

**Height:** 14 to 18 in. (35 to 45 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

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

### PLATINUM BLONDE™

**Height:** 16 to 24 in. (40 to 60 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 6 to 9

**Cultivaris North America LLC**

'Momparter' PP23,834

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

### SUPERBLUE

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

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

**Darwin Perennials**

'Balavurlu' PP24,929

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



Lavandula 'Blue Cushion'



Lavandula 'Hidcote'



Lavandula 'Jean Davis'



Lavandula 'Munstead'



Lavandula Platinum Blonde



Lavandula 'Thumbelina Leigh'



Lavandula 'Vera'



Lavandula French Lavender



Lavandula pinnata



Lavandula 'Silver Anouk'

## DARWIN PERENNIALS



Lavandula 'Anouk'

Reblooming Spanish Lavenders have excellent weather tolerance and retail shelf life.



Lavandula Anouk Supreme



Lavandula Double Anouk

### 'THUMBELINA LEIGH'

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

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

### 'VERA'

**Height:** 24 to 30 in. (60 to 75 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 8

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

## LAVANDULA (LAVENDER)

*Lavandula dentata*

### FRENCH LAVENDER

**Height:** 28 in. (70 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 8 to 9

Tender perennial; purple-blue flowers are smaller than *L. angustifolia*.

## LAVANDULA (FERNLEAF LAVENDER)

*Lavandula pinnata*

**Height:** 24 in. (60 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 9 to 11

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

## LAVANDULA (LAVENDER)

*Lavandula stoechas*

### ANOUK SERIES

**Height:** 14 to 18 in. (35 to 45 cm); 'Silver Anouk' 20 to 24 in. (50 to 60 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 6 to 9  
*Darwin Perennials*

- Outstanding in containers and landscapes.
- High resistance to foliar disease.
- 'Anouk' has dark violet flower spikes topped by clear purple flags.
- 'Anouk Supreme' flowers one week earlier than Anouk.
- 'Deep Rose' has deep rose flags on lavender-rose flowers.
- 'Double Anouk' has double lavender flags on purple flowers.
- 'Silver Anouk' is compact and upright with narrow, blue-silver foliage.
- 'White Anouk' has bright white, non-burning flags on blue flowers.

'Anouk' PP16,685

**Deep Rose** 'Anouk Deluxe 179' PP26,493

**Double Anouk** 'Anouk Deluxe 1205' PPAF

**'Silver Anouk'** PP20,068

**Anouk Supreme** 'Anouk Deluxe 901'

PP26,495

**White Anouk** 'Anouk Deluxe 10173' PPAF

#### DARWIN PERENNIALS



Lavandula Bright Luxurious

Compact variety is perfect for small novelty containers... and big sell-through!

#### DARWIN PERENNIALS



Lavandula Luxurious

Long-flowering Lavender is as tough as it is beautiful!

#### BRIGHT LUXURIOUS

**Height:** 14 to 18 in. (35 to 45 cm)

**Bloom Months:** March to July

**USDA Hardiness Zones:** 6 to 9

**Darwin Perennials**

'Anouk Deluxe 1956' PP26,496

- Full, compact habit.
- Excellent reblooming variety.
- Can be grown in quarts and specialty containers.
- Lighter color flags than Luxurious.

#### LUXURIOUS

**Height:** 14 to 18 in. (35 to 45 cm)

**Bloom Months:** March to July

**USDA Hardiness Zones:** 6 to 9

**Darwin Perennials**

'Anouk Deluxe 109' PP26,494

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

#### 'OTTO QUAST'

**Height:** 24 to 30 in. (60 to 75 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 7

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

#### DARWIN PERENNIALS



Lavandula Bright Luxurious

#### DARWIN PERENNIALS



Lavandula Luxurious



Lavandula 'Otto Quast'



Lavandula 'Goodwin Creek Grey'



Lavandula Phenomenal



Lavandula 'Dilly Dilly'



Lavandula 'Provence'

## LAVANDULA (LAVENDER)

*Lavandula x gingsii*

### 'GOODWIN CREEK GREY'

**Height:** 36 in. (90 cm) where hardy, 12 to 18 in. (30 to 45 cm) in non-hardy zones

**Bloom Months:** June to August

**USDA Hardiness Zones:** 7 to 10

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

## LAVANDULA (LAVENDER)

*Lavandula x intermedia*

### 'DILLY DILLY'

**Height:** 12 in. (30 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 6 to 9

Compact growth habit with flower spikes high above the foliage.

### PHENOMENAL™

**Height:** 24 to 32 in. (60 to 80 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

*Cultivaris North America LLC*

'Niko' PP24,193

Strong, disease-resistant foliage and long purple flower spikes in Summer; overwinters well.

### 'PROVENCE'

**Height:** 30 in. (75 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

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



Leucanthemum Ooh La 'LaCrosse'

Flowers well, even in the first season!

NEW FOR 2017



Leucanthemum Ooh La 'LaSpider'

Makes a fun, frilly statement in beds and containers.

## LEUCANTHEMUM (SHASTA DAISY)

*Leucanthemum x superbum*

### 'BECKY'

**Height:** 36 in. (90 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

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

### FREAK!®

**Height:** 13 in. (33 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

*Blooms of Bressingham*

'LEUZ0001' PP23,426

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

### OOH LA™ 'LACROSSE'

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

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 8

*Florensis*

- Unique, trumpet-shaped white petals.
- Compact, dark green foliage.
- Ideal for borders, rock gardens and containers.

### OOH LA™ 'LASPIDER'

NEW FOR 2017

**Height:** 12 to 14 in. (30 to 35 cm)

**Bloom Months:** June to July

**USDA Hardiness Zones:** 4 to 10

*Florensis*

- Attractive semi-double flowers.
- Fringed flower petals.
- Compact habit.

### REALFLOR® COLLECTION

**Height:** 16 to 36 in. (40 to 90 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 9

*PlantHaven, Inc.*

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

'Real Dream' PP25,664

'Real Galaxy' PP23,873

'Real Glory' PP25,733



Leucanthemum 'Becky'



Leucanthemum Freak!



Leucanthemum Realflor 'Real Dream'



Leucanthemum Realflor 'Real Galaxy'



Leucanthemum Realflor 'Real Glory'



Leucanthemum Spellbook 'Lumos'



Leucanthemum 'Snowcap'



Lithodora 'Grace Ward'



Lithodora 'Heavenly Blue'



Lithodora 'White Star'

## DARWIN PERENNIALS



Leucanthemum 'Santé'

Impressively hardy variety of a perennial garden classic!

### 'SANTÉ'

**Height:** 22 to 26 in. (56 to 66 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 9

**Darwin Perennials**

PP19.829

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

### SPELLBOOK® 'LUMOS'

**Height:** 12 to 18 in. (30 to 45 cm)

**Bloom Months:** April to August

**USDA Hardiness Zones:** 5 to 9

**EuroAmerican**

PPAF

Fade-resistant, true yellow flowers; blooms wonderfully without vernalization.

### 'SNOWCAP'

**Height:** 14 to 18 in. (35 to 45 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 8

**Blooms of Bressingham**

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

## LITHODORA

*Lithodora diffusa*

### 'GRACE WARD'

**Height:** 8 to 12 in. (20 to 30 cm)

**Bloom Months:** March to April

**USDA Hardiness Zones:** 6 to 8

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

### 'HEAVENLY BLUE'

**Height:** 8 to 12 in. (20 to 30 cm)

**Bloom Months:** March to April

**USDA Hardiness Zones:** 6 to 8

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

### 'WHITE STAR'

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

**Bloom Months:** May to June

**USDA Hardiness Zones:** 6 to 8

**Blooms of Bressingham**

PP20.078

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



Lobelia Princess Crimson



Lobelia Princess Scarlet



Lobelia Princess Rose

LOBELIA   
(CARDINAL FLOWER)  
*Lobelia hybrid*

#### PRINCESS SERIES

**Height:** 20 in. (50 cm)  
**Bloom Months:** July to September  
**USDA Hardiness Zones:** 7 to 10  
*Walter Blom Plants BV*

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

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

LYCHNIS   
(CATCHFLY)  
*Lychnis flos-cuculi*

#### PETITE JENNY

**Height:** 14 in. (35 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 3 to 8  
*Blooms of Bressingham*  
'LychJen' PP14,139

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

LYSIMACHIA   
(LOOSESTRIFE)  
*Lysimachia punctata*

#### 'ALEXANDER'

**Height:** 24 in. (60 cm)  
**Bloom Months:** August to September  
**USDA Hardiness Zones:** 4 to 9  
*PlantHaven, Inc.*  
PP10,598

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

LYSIMACHIA   
(LOOSESTRIFE)  
*Lysimachia nummularia*

#### 'GOLDI'

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

Trailing habit and golden foliage are beautiful in mixed containers.

MAZUS   
(CREEPING MAZUS)  
*Mazus reptans*

**Height:** 2 in. (5 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 5 to 8  
Small, toothed leaves and purple-blue flowers with red and yellow spots.



Lychnis Petite Jenny



Lysimachia 'Alexander'



Lysimachia 'Goldi'



Mazus reptans



Mentha 'Kentucky Colonel'



Mentha Spanish Mint



Mentha Spearmint



Mentha Apple Mint



Mentha 'Variegata'



Mentha Ginger Mint



Mentha Chocolate Mint



Mentha 'Citrata'



Mentha Peppermint



Mentha Mojito

MENTHA    
(MINT)  
*Mentha spicata*

MENTHA    
(MINT)  
*Mentha suaveolens*

MENTHA    
(MINT)  
*Mentha x piperita*

MENTHA    
(MINT)  
*Mentha x villosa*

#### 'KENTUCKY COLONEL'

**Height:** 24 in. (60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 3 to 7

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

#### SPANISH MINT

**Height:** 12 to 24 in. (30 to 60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 3 to 7

Spearmint-scented green leaves and flowers of lilac and white.

#### SPEARMINT

**Height:** 36 in. (90 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 3 to 7

Spearmint-scented green leaves with purple-blue flowers.

#### APPLE MINT

**Height:** 36 in. (90 cm)  
**Bloom Months:** Summer  
**USDA Hardiness Zones:** 6 to 9

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

#### 'VARIEGATA'

**Height:** 24 in. (60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 6 to 9

Green and white variegated leaves with sweet pineapple scent.

MENTHA    
(MINT)  
*Mentha x gracilis*

#### GINGER MINT

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

Spreading habit with ginger-flavored leaves and violet flowers.

#### CHOCOLATE MINT

**Height:** 24 in. (60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 3 to 7

Bronzy peppermint-like foliage with a surprising chocolate-y scent.

#### 'CITRATA'

**Height:** 24 in. (60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 3 to 7

Very fragrant Orangemint with a neat, attractive habit.

#### PEPPERMINT

**Height:** 24 in. (60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 3 to 7

Deliciously spicy scent – great for tea.

#### MOJITO

**Height:** 36 in. (90 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 5 to 9

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

# BALMY™

DARWIN PERENNIALS

Monarda Balmy Rose



THE IDEAL  
GROWER-FRIENDLY  
SERIES IN FOUR  
CONSUMER-  
GRABBING COLORS



Monarda Balmy Purple



Monarda Balmy Lilac



Monarda Balmy Rose



Monarda Balmy Pink



Monarda 'Blue Stocking'



Monarda Grand Parade



Monarda 'Marshall's Delight'



Monarda 'Raspberry Wine'



Monarda 'Jacob Cline'

MONARDA   
(BEE BALM, BERGAMOT)  
*Monarda didyma*

#### BALMY™ SERIES

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

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

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

**Balmy Rose** rated Best of Species at Penn State University, Landisville, Pennsylvania, first season.

**Lilac** 'Balbalmac' PP26,594  
**Pink** 'Balbalmink' PP26,566  
**Purple** 'Balbalmurp' PP25,561  
**Rose** 'Balbalmrose' PP26,567

#### 'BLUE STOCKING'

**Height:** 24 to 48 in. (60 to 120 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 9

Striking, deep violet flowers attract butterflies and hummingbirds.

#### GRAND PARADE™

**Height:** 12 to 16 in. (30 to 40 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 3 to 8  
*Bailey Nurseries, Inc.*  
'Acrade' PP19,580

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

#### 'JACOB CLINE'

**Height:** 48 in. (120 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 9

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

#### 'MARSHALL'S DELIGHT'

**Height:** 24 to 36 in. (60 to 90 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 9

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

#### 'RASPBERRY WINE'

**Height:** 24 to 36 in. (60 to 90 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9

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

## DARWIN PERENNIALS



Nepeta Junior Walker

More floriferous than some other Nepeta cultivars as extensively trialed by Star® Roses And Plants.

### MUEHLENBECKIA (MAIDENHAIR VINE)

*Muehlenbeckia axillaris*

#### 'NANA'

**Height:** 3 in. (7 cm)

**Bloom Months:** May to July  
**USDA Hardiness Zones:** 6 to 10

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

### NEPETA (CATMINT)

*Nepeta mussinii*

#### 'SIX HILLS GIANT'

**Height:** 24 to 36 in. (60 to 90 cm)

**Bloom Months:** May to October  
**USDA Hardiness Zones:** 4 to 8

A robust grower with large blue flowers.

#### 'SIX HILLS GOLD'

**Height:** 24 to 36 in. (60 to 90 cm)

**Bloom Months:** May to October  
**USDA Hardiness Zones:** 4 to 8

Variegated cream and green fuzzy foliage with long-blooming violet-blue flowers.

### NEPETA (CATMINT)

*Nepeta x faassenii*

#### 'BLUE WONDER'

**Height:** 12 in. (30 cm)

**Bloom Months:** June to August  
**USDA Hardiness Zones:** 3 to 8

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

#### 'DROPMORE'

**Height:** 12 in. (30 cm)

**Bloom Months:** May to October  
**USDA Hardiness Zones:** 4 to 8

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

#### JUNIOR WALKER

**Height:** 18 in. (45 cm)

**Bloom Months:** May to September  
**USDA Hardiness Zones:** 5 to 8

*Darwin Perennials*

'Novanepjun' PP23,074

- Lavender-blue flowers with gray-green foliage.
- Compact habit.
- Uniform flower canopy.



Muehlenbeckia 'Nana'



Nepeta 'Six Hills Gold'

#### 'LIMELIGHT'

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

**Bloom Months:** May to October  
**USDA Hardiness Zones:** 4 to 8

*Terra Nova Nurseries, Inc.*

Violet-blue flowers and lime green foliage with more pronounced color in Spring.

#### LITTLE TRUDY®

**Height:** 10 to 14 in. (25 to 35 cm)

**Bloom Months:** May to October  
**USDA Hardiness Zones:** 4 to 9

*Plant Select*

'Psfike' PP18,904

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

#### 'WALKER'S LOW'

**Height:** 24 to 30 in. (60 to 75 cm)

**Bloom Months:** June to August  
**USDA Hardiness Zones:** 3 to 8

- One of the longest-flowering Catmints.
- Profuse blue-purple flowers complement fragrant silver leaves.
- Compact mounds spread to 24 in. (60 cm) wide.



Nepeta 'Six Hills Giant'



Nepeta 'Blue Wonder'



Nepeta 'Dropmore'



Nepeta 'Limelight'



Ocimum 'Kasar'



Oenothera 'Siskiyou'



Nepeta Little Trudy



Oenothera 'Shimmer'



Origanum 'Kent Beauty'



Origanum 'Aureum'



Nepeta 'Walker's Low'

#### OCIMUM (BASIL)

*Ocimum basilicum*

##### 'KASAR'

**Height:** 28 to 32 in. (70 to 80 cm)

**Bloom Months:** None

**USDA Hardiness Zones:** 9 to 11

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

#### OENOTHERA (EVENING PRIMROSE)

*Oenothera berlandieri*

##### 'SISKIYOU'

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

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 8

Neat, compact and floriferous with pink flowers.

#### OENOTHERA (EVENING PRIMROSE)

*Oenothera macrocarpa* ssp. *fremontii*

##### 'SHIMMER'

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

**Bloom Months:** June to August

**USDA Hardiness Zones:** 5 to 8

*PlantHaven, inc.*

PP19,663

Papery, lemon yellow flowers and narrow silvery foliage.

#### ORIGANUM (OREGANO)

*Origanum majorana*

##### 'COMPACTUM'

**Height:** 3 to 6 in. (7 to 15 cm)

**Bloom Months:** None

**USDA Hardiness Zones:** 4 to 9

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

#### ORIGANUM (ORNAMENTAL OREGANO)

*Origanum rotundifolium*

##### 'KENT BEAUTY'

**Height:** 4 in. (10 cm)

**Bloom Months:** Late Summer to Fall

**USDA Hardiness Zones:** 5 to 8

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

#### ORIGANUM (OREGANO)

*Origanum vulgare*

##### 'AUREUM'

**Height:** 12 in. (30 cm)

**Bloom Months:** None

**USDA Hardiness Zones:** 5 to 9

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



Origanum vulgare  
'Compactum'



Origanum Greek  
Oregano



Origanum 'Hot And Spicy'



Origanum Variegated Oregano



Origanum Italian Oregano

#### 'COMPACTUM'

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

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

#### GREEK OREGANO

**Height:** 12 to 28 in. (30 to 70 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 4 to 9  
Strong-growing, hardy strain.

#### 'HOT AND SPICY'

**Height:** 36 in. (90 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 4 to 9

Highly aromatic scent and spicy flavor, white flowers in Summer.

#### VARIEGATED OREGANO

**Height:** 16 in. (40 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 4 to 9

Green with creamy variegated edge, spreading/mounding habit.

#### ORIGANUM (OREGANO)

*Origanum x majoricum*

#### ITALIAN OREGANO

**Height:** 18 to 24 in. (30 to 70 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 5 to 9

Deliciously scented culinary herb.

#### PENSTEMON (BEARD TONGUE)

*Penstemon barbatus*

#### 'ELFIN PINK'

**Height:** 14 in. (35 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9

A profusion of pale pink tubular bells on wiry stems.

#### 'PRAIRIE DUSK'

**Height:** 24 in. (60 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9

Rosy purple, trumpet-shaped blooms on thin spikes.

#### DARWIN PERENNIALS



Penstemon Amethyst Quartz

Reblooms throughout the season for maximum color.



Penstemon 'Elfin Pink'



Penstemon 'Dark Towers'



Penstemon 'Prairie Dusk'



Penstemon 'Prairie Twilight'

**DARWIN PERENNIALS**



Penstemon Rose Quartz

Bright bubblegum-pink flowers rebloom throughout the season.

**NEW FOR 2017 DARWIN PERENNIALS**



Penstemon 'Cherry Sparks'

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

**DARWIN PERENNIALS**



Penstemon Little Bells

Prolific rebloomer with lilac flowers and compact habit.

**PENSTEMON (BEARD TONGUE)**  
*Penstemon digitalis*

**'DARK TOWERS'**

**Height:** 36 in. (90 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 3 to 8  
*Terra Nova Nurseries, Inc.*  
PP20.013

North American native cultivar has bronzy-red foliage with spires of pink trumpet flowers; darker foliage and larger plant than 'Husker Red'.

**'PRAIRIE TWILIGHT'**

**Height:** 22 in. (56 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9  
*Blooms of Bressingham*  
PP19.893

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

**PENSTEMON (BEARD TONGUE)**  
*Penstemon hybrid*

**QUARTZ™ SERIES**

**Height:** 20 to 24 in. (50 to 60 cm)  
**Bloom Months:** July to August  
**USDA Hardiness Zones:** 6 to 9  
*Darwin Perennials*

- Sturdy, upright habit.
- Good basal branching.

**Amethyst** 'Novapenamel' PPAF  
**Rose** 'Novapenos' PPAF

**'CHERRY SPARKS'**

**NEW FOR 2017**

**Height:** 18 to 20 in. (45 to 50 cm)  
**Bloom Months:** May to August  
**USDA Hardiness Zones:** 5 to 9  
*Darwin Perennials*  
PPAF

- Bigger blooms with bright, cherry-red color.
- More heat-tolerant and Winter-hardy than other varieties.
- Sterile, non-invasive variety has no big, unsightly seed heads.

**LITTLE BELLS**

**Height:** 16 in. (40 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 6 to 9  
*Darwin Perennials*  
'Novapenbel' PPAF

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

# ROCK CANDY®

DARWIN PERENNIALS

Penstemon Rock Candy Ruby



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



Penstemon Rock Candy Purple



Penstemon Rock Candy Blue



Penstemon Rock Candy Ruby



Penstemon Rock Candy Pink



Penstemon Rock Candy Light Pink



Penstemon Pikes Peak Purple



Penstemon Red Rocks

**NEW FOR 2017 DARWIN PERENNIALS**



Penstemon MissionBells Deep Rose

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

**PENSTEMON** (BEARD TONGUE)  
*Penstemon barbatus*

**ROCK CANDY® SERIES**

**Height:** 12 in. (30 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 6 to 8  
*Darwin Perennials*

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

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

**Blue** 'Novapenblu' PPAF  
**Light Pink** 'Novapenlig' PPAF  
**Pink** 'Novapenpin' PPAF  
**Purple** 'Novapenpur' PPAF  
**Ruby** 'Novapenrub' PPAF

**PENSTEMON** (BEARD TONGUE)  
*Penstemon hybrida*

**MISSIONBELLS™ DEEP ROSE**

**NEW FOR 2017**  
**Height:** 20 to 24 in. (50 to 60 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 9  
*Darwin Perennials*  
'Balmibepro' PPAF

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

**PENSTEMON** (BEARD TONGUE)  
*Penstemon x mexicali*

**PIKES PEAK PURPLE®**

**Height:** 30 in. (75 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9  
*Plant Select*  
'P007S'

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

**RED ROCKS®**

**Height:** 30 in. (75 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9  
*Plant Select*  
'P008S'

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

## DARWIN PERENNIALS



Perovskia 'CrazyBlue'

Very good performer with 4.6/5 average score, excellent flowering from Penn State University, Landisville, Pennsylvania, 1st season in 2015.

## DARWIN PERENNIALS



Perovskia Little Lace

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

### PEROVSKIA (RUSSIAN SAGE)

*Perovskia atriplicifolia*

**Height:** 50 in. (130 cm)

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4 to 9

Spikes of light blue flowers over aromatic gray-green foliage.

#### 'CRAZYBLUE'

**Height:** 16 to 18 in. (40 to 45 cm)

**Bloom Months:** July to August

**USDA Hardiness Zones:** 4 to 9

**Darwin Perennials**

PP25,639

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

#### LACEY BLUE

**Height:** 12 to 18 in. (30 to 45 cm)

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4 to 9

**Concept Plants B.V.**

'Lisslit' PP20,845

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

#### LITTLE LACE

**Height:** 12 to 18 in. (30 to 45 cm)

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4 to 9

**Darwin Perennials**

'Novaperlac' PP26,618

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

### PEROVSKIA (RUSSIAN SAGE)

*Perovskia x hybrida*

#### 'LONGIN'

**Height:** 36 to 42 in. (90 to 106 cm)

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4 to 9

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



Perovskia Lacey Blue



Perovskia atriplicifolia



Perovskia 'Longin'



Phlox 'Blue Moon'



Phlox 'May Breeze'



Phlox 'Pink Profusion'



Phlox 'Blue Boy'



Phlox 'Violet Pinwheels'



Phlox 'Bright Eyes'



Phlox 'Eva Cullum'

NEW FOR 2017



Phlox Goldmine Improved

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

#### 'BLUE MOON'

**Height:** 12 in. (30 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 4 to 8

Loads of fragrant, dark blue flowers.

#### 'MAY BREEZE'

**Height:** 15 to 18 in. (38 to 45 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 4 to 8

Fragrant, light blue flowers.

**PHLOX** (GARDEN PHLOX)  
*Phlox paniculata*

#### 'BLUE BOY'

**Height:** 36 in. (90 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 8

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

#### 'BRIGHT EYES'

**Height:** 24 to 30 in. (60 to 75 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 8

Fragrant blooms are pale pink with crimson eye.

#### 'EVA CULLUM'

**Height:** 24 to 30 in. (60 to 75 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 8  
*Blooms of Bressingham*

Warm pink florets with red eyes.

#### GOLDMINE IMPROVED

**NEW FOR 2017**

**Height:** 24 to 28 in. (60 to 70 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 9

*Rene van Gaalen B.V.*  
'Goldmine IMP' PPAF

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

#### 'VIOLET PINWHEELS'

**Height:** 4 in. (10 cm)  
**Bloom Months:** March to May  
**USDA Hardiness Zones:** 4 to 8  
*Chicagoland Grows, Inc.*

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



Phlox 'Norah Leigh'

#### 'LAURA'

**Height:** 24 to 30 in. (60 to 75 cm)

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 8

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

#### 'NICKY'

**Height:** 24 to 36 in. (60 to 90 cm)

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4 to 8

Intense, deep magenta-purple flower heads.

#### 'NORAH LEIGH'

**Height:** 36 in. (90 cm)

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4 to 8

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

#### 'STARFIRE'

**Height:** 36 in. (90 cm)

**Bloom Months:** July to September

**USDA Hardiness Zones:** 4 to 8

Brilliant red flowers atop deep bronze/green foliage.

#### YOUNIQUE SERIES

##### NEW FOR 2017

**Height:** 14 to 16 in. (35 to 40 cm)

**Bloom Months:** June to July

**USDA Hardiness Zones:** 4 to 9

*Compass Plants B.V.*

New series of large-flowered, compact garden Phlox.

**Bicolor** 'Versbicolor' PP24,790

**Old Cerise** 'Verscerise' PP26,102

**Old Blue** 'Versoldblue' PP26,070

**Red**

PHLOX (CREEPING PHLOX)

*Phlox stolonifera*

#### 'HOME FIRES'

**Height:** 8 in. (20 cm)

**Bloom Months:** April to May

**USDA Hardiness Zones:** 4 to 8

Shade groundcover with deep pink flower clusters.

#### 'SHERWOOD PURPLE'

**Height:** 6 in. (15 cm)

**Bloom Months:** April to May

**USDA Hardiness Zones:** 4 to 8

(NOT SHOWN) Excellent shady groundcover with fragrant, purple-blue flower.



Phlox 'Laura'



Phlox 'Nicky'



Phlox 'Starfire'



Phlox 'Younique Red'



Phlox 'Younique Old Cerise'



Phlox 'Younique Old Blue'



Phlox 'Younique Bicolor'



Phlox 'Home Fires'



Phlox 'Amazing Grace'



Phlox 'Candy Stripe'



Phlox 'Coral Eyes'



Phlox 'Crimson Beauty'



Phlox 'Drummond's Pink'



Phlox 'Emerald Blue'



Phlox 'Emerald Cushion Blue'



Phlox 'Emerald Pink'



Phlox 'Fort Hill'

## PHLOX (MOSS PHLOX) *Phlox subulata*

### 'AMAZING GRACE'

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

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:** 3 to 8

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:** 3 to 8

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

### 'CRIMSON BEAUTY'

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

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:** 3 to 8

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:** 3 to 8

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:** 3 to 8

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:** 3 to 8

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

### 'FORT HILL'

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

Fringed, slightly fragrant, deep pink flowers with dark eye.



Phlox 'Oakington Blue Eyes'



Phlox 'Millstream Daphne'



Phlox 'Ronsdorfer Beauty'



Phlox 'Purple Beauty'

#### 'MILLSTREAM DAPHNE'

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

A profusion of pink flowers makes an excellent groundcover display.

#### 'RONSODRFER BEAUTY'

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

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

#### 'OAKINGTON BLUE EYES'

**Height:** 4 to 6 in. (10 to 15 cm)  
**Bloom Months:** Early Spring  
**USDA Hardiness Zones:** 2 to 8  
*Blooms of Bressingham*

Evergreen mats of pine needle-like foliage with sky blue flowers.

#### 'SCARLET FLAME'

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

Red, star-shaped flowers over creeping, needle-like, evergreen foliage.

#### 'PURPLE BEAUTY'

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

Deep purple blooms.

#### 'SNOWFLAKE'

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

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

#### 'RED WINGS'

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

Vigorous, with striking rosy red flowers in early Spring.

#### 'WHITE DELIGHT'

**Height:** 3 to 6 in. (7 to 15 cm)  
**Bloom Months:** March to April  
**USDA Hardiness Zones:** 3 to 8

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



Phlox 'Red Wings'



Phlox 'Scarlet Flame'



Phlox 'Snowflake'



Phlox 'White Delight'



Phlox 'Forever Pink'



Phlox Paparazzi Britney



Phlox Paparazzi Levine



Phlox Paparazzi Jagger



Phlox Paparazzi Angelina

## PHLOX

*Phlox x hybrida*

### 'FOREVER PINK'

**Height:** 16 in. (40 cm)

**Bloom Months:** June to October

**USDA Hardiness Zones:** 4 to 8

*Chicagoland Grows, Inc.*

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

### PAPARAZZI® COLLECTION

**Height:** 5 to 10 in. (13 to 25 in.)

**Bloom Months:** April to June

**USDA Hardiness Zones:** 6a to 11

*EuroAmerican Propagators LLC*

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

**Adele** 'PHLO91601' PPAF

**Angelina** 'PPPHLO7301' PP23,702

**Britney** 'PPPHLO604' PP23,703

**Jagger** 'PHLO90201' PPAF

**Levine** 'PHLO90401' PPAF

**Paris** 'PPPH07201' PP23,705



Phlox Paparazzi Paris



Phlox Paparazzi Adele



Polemonium Bressingham Purple

PHYSOSTEGIA (OBEDIENT PLANT, FALSE DRAGONHEAD)

*Physostegia virginiana*

#### 'MISS MANNERS'

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 3 to 9  
*PlantHaven, Inc.*  
 PP12,637

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

POLEMONIUM (JACOB'S LADDER)

*Polemonium caeruleum*

#### BRISE D'ANJOU

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 9  
*Blooms of Bressingham*  
 'Blanjou'

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

POLEMONIUM (JACOB'S LADDER)

*Polemonium reptans*

#### 'TOUCH OF CLASS'

**Height:** 14 to 18 in. (35 to 45 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 9  
*Sunny Border Nursery*  
 PP19,768

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

POLEMONIUM (JACOB'S LADDER)

*Polemonium yezoense*

#### BRESSINGHAM PURPLE

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 9  
*Blooms of Bressingham*  
 'Polbress' PP15,367

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



Physostegia 'Miss Manners'

PRUNELLA (SELF-HEAL)

*Prunella hybrid*

#### 'SUMMER DAZE'

**Height:** 12 in. (30 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 5 to 7  
*PlantHaven, Inc.*  
 PP19,609

Pink flower clusters and attractive oak-leaf foliage and habit.



Prunella 'Summer Daze'



Polemonium Brise D'Anjou



Polemonium 'Touch of Class'

DARWIN PERENNIALS



Rhodanthemum 'Marrakech'

DARWIN PERENNIALS



Rhodanthemum 'Casablanca'

DARWIN PERENNIALS



Rhodanthemum 'Marrakech'

RHODANTHEMUM 

*Rhodanthemum hosmariense*

'MARRAKECH'

**Height:** 12 to 14 in. (30 to 35 cm)  
**Bloom Months:** March to May and September to October  
**USDA Hardiness Zones:** 8 to 10  
**Darwin Perennials**

PPAF

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

'CASABLANCA'

**Height:** 10 to 12 in. (25 to 30 cm)  
**Bloom Months:** March to May and September to October  
**USDA Hardiness Zones:** 8 to 10  
**Darwin Perennials**

PPAF

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



Rosmarinus officinalis



Rosmarinus 'Arp'



Rosmarinus 'Barbecue'



Rosmarinus 'Gorizia'



Rosmarinus 'Huntington Carpet'



Rosmarinus 'Madeline Hill'



Rosmarinus 'Prostratus'



Rosmarinus 'Salem'

## ROSMARINUS (ROSEMARY)

*Rosmarinus officinalis*

**Height:** to 5 ft. (1.5 m)

**Bloom Months:** None

**USDA Hardiness Zones:** 8 to 11

Shrubby tender perennial has evergreen needle-like leaves with pungent pine scent.

### 'ARP'

**Height:** to 5 ft. (1.5 m)

**Bloom Months:** None

**USDA Hardiness Zones:** 7 to 11

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

### 'BARBECUE'

**Height:** to 4 ft. (1.2 m)

**Bloom Months:** None

**USDA Hardiness Zones:** 8 to 11

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

### 'GORIZIA'

**Height:** 4 to 5 ft. (1.2 to 1.5 m)

**Bloom Months:** None

**USDA Hardiness Zones:** 8 to 11

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

### 'HUNTINGTON CARPET'

**Height:** 18 in. (45 cm)

**Bloom Months:** None

**USDA Hardiness Zones:** 8 to 11

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

### 'MADELINE HILL'

**Height:** 3 ft. (0.9 m)

**Bloom Months:** None

**USDA Hardiness Zones:** 6 to 11

Sturdy, upright form; reputedly hardy to Zone 6.

### 'PROSTRATUS'

**Height:** 6 to 12 in. (15 to 30 cm)

**Bloom Months:** None

**USDA Hardiness Zones:** 8 to 11

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

### 'SALEM'

**Height:** 3 ft. (0.9 m)

**Bloom Months:** None

**USDA Hardiness Zones:** 8 to 11

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

### 'SPICE ISLAND'

**Height:** to 3 ft. (0.9 m)

**Bloom Months:** None

**USDA Hardiness Zones:** 8 to 11

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

### 'TUSCAN BLUE'

**Height:** 3 ft. (0.9 m)

**Bloom Months:** None

**USDA Hardiness Zones:** 8 to 11

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



Rosmarinus 'Spice Island'



Rosmarinus 'Tuscan Blue'



Salvia Arctic Blaze Purple



Salvia Arctic Blaze Fuchsia



Rudbeckia 'Viette's Little Suzy'



Sagina Irish Moss



Sagina 'Aurea'



Salvia Pineapple Sage



Salvia 'Furman's Red'



Salvia 'Black & Blue'



Salvia 'Ember's Wish'

**RUDBECKIA** ●  
(BLACK-EYED SUSAN)  
*Rudbeckia speciosa*

#### 'VIETTE'S LITTLE SUZY'

**Height:** 26 to 32 in. (66 to 80 cm)  
**Bloom Months:** July to frost  
**USDA Hardiness Zones:** 4 to 8  
*Blooms of Bressingham*  
Very floriferous habit, with deep yellow flowers on sturdy stems and beautiful mahogany foliage in Fall.

**SAGINA** ●●●  
(PEARLWORT)  
*Sagina subulata*

#### IRISH MOSS

**Height:** 2 in. (5 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 7  
Solid green, tight grower with small white flowers.

#### 'AUREA'

**Height:** 2 in. (5 cm)  
**Bloom Months:** May to June  
**USDA Hardiness Zones:** 4 to 7  
Scotch Moss forms a chartreuse groundcover with tiny white flowers.



Salvia Arctic Blaze Red

Bred for improved hardiness and terrific repeat blooming.

**SALVIA** ●  
(SAGE)  
*Salvia elegans*

#### PINEAPPLE SAGE

**Height:** 3 ft. (0.9 m)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 8 to 11  
Tender perennial with pineapple-scented foliage and red flowers.

**SALVIA** ●  
(SAGE)  
*Salvia greggii*

#### 'FURMAN'S RED'

**Height:** 12 to 20 in. (30 to 50 cm)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 7 to 9  
*Plant Select*  
Tender perennial with a compact, upright habit; luxurious, deep rose-red flowers and bright green, rounded foliage.

**SALVIA** ●  
(SAGE)  
*Salvia guaranitica*

#### 'BLACK & BLUE'

**Height:** 3 ft. (0.9 m)  
**Bloom Months:** Late Summer to frost  
**USDA Hardiness Zones:** 7 to 10  
Tender perennial has sky-blue flowers and pitch-black calyxes.

**SALVIA** ●  
(SAGE)  
*Salvia hybrida*

#### ARCTIC BLAZE™ SERIES

**Height:** 24 in. (60 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 6 to 11  
*Darwin Perennials*  
• Bright blooms.  
• Compact habit with sturdy, flexible branches.  
• Blooms from Spring through Fall.

**Purple** 'Novasalpur' PPAF  
**Fuchsia** 'Novasalfuc' PPAF  
**Red** 'Novasalred' PPAF

#### 'EMBER'S WISH'

**Height:** 32 in. (80 cm)  
**Bloom Months:** May to September  
**USDA Hardiness Zones:** 9 to 10  
*Plants Management Australia*  
Fast-growing variety displays vibrant coral tubular flowers on lush, mid-green foliage complemented by maroon stems.

DARWIN PERENNIALS

Salvia 'Radio Red'

RADIO  
RED

SALVIA   
(SAGE)

*Salvia greggii*

'RADIO RED'

**Height:** 16 to 18 in. (40 to 45 cm)

**Bloom Months:** March to September

**USDA Hardiness Zones:** 7 to 10

*Darwin Perennials*

PP26,362

Finally: a good, true red *S. greggii* meets demand for this popular color.

- Keeps its color longer than other red varieties.
- Well-branched plants.
- Blooms all Summer long – nice in containers.

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



**DARWIN**



Salvia Suncrest  
'Bright Eyes'

**DARWIN**



Salvia Suncrest  
'Orchid Glow'

**DARWIN**



Salvia Suncrest  
'Fire Dancer'

**DARWIN**



Salvia Suncrest  
'Fancy Dancer'

**NEW FOR 2017**



Salvia 'Love and Wishes'

**DARWIN PERENNIALS**



Salvia Suncrest 'Dancing Dolls'

**DARWIN**



Salvia Suncrest  
'Flamenco Rose'

**DARWIN**



Salvia Suncrest  
'Shell Dancer'

**DARWIN**



Salvia Suncrest  
'Autumn Moon'

**DARWIN**



Salvia Suncrest  
'Golden Girl'

**DARWIN PERENNIALS**



Salvia Suncrest 'Lemon Light'

**SALVIA**   
(SAGE)

*Salvia hybrid*

**'LOVE AND WISHES'**

**NEW FOR 2017**

**Height:** 32 in. (80 cm)  
**Bloom Months:** Summer to frost  
**USDA Hardiness Zones:** 9  
*Plants Management Australia*

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

**SUNCREST SERIES**

**COMPACT COLLECTION**

**Height:** 10 to 15 in. (25 to 38 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 7 to 11  
*Darwin Perennials*

Compact, tidy, well-branched tender perennials.

- 'Autumn Moon' PP24,106
- 'Bright Eyes' PP22,491
- 'Fancy Dancer' PP24,088
- 'Fire Dancer'
- 'Flamenco Rose'
- 'Golden Girl' PP23,997
- 'Lemon Light' PP24,105
- 'Orchid Glow' PP22,520

**LANDSCAPE COLLECTION**

**Height:** 24 to 36 in. (60 to 90 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 7 to 11  
*Darwin Perennials*

Tender perennials with a moderately sized plant habit.

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

**'WENDY'S WISH'**

**Height:** 30 to 40 in. (75 to 100 cm)  
**Bloom Months:** Summer to frost  
**USDA Hardiness Zones:** 9  
*PlantHaven, Inc.*  
PP21,889

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

**SALVIA**   
(SAGE)

*Salvia leucantha*

**'SANTA BARBARA'**

**Height:** 24 in. (60 cm)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 7 to 10  
*PlantHaven, Inc.*  
PP12,949

Tender perennial with large spikes of purple flowers and tomentose gray-green leaves.



Salvia 'Wendy's Wish'



Salvia 'Santa Barbara'

# MIRAGE™

NEW FOR 2017 DARWIN PERENNIALS

Salvia Mirage Hot Pink



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



Salvia Mirage Violet



Salvia Mirage Deep Purple



Salvia Mirage Burgundy



Salvia Mirage Cherry Red



Salvia Mirage Neon Rose



Salvia Mirage Hot Pink



Salvia Mirage Pink



Salvia Mirage Soft Pink



Salvia Mirage Cream



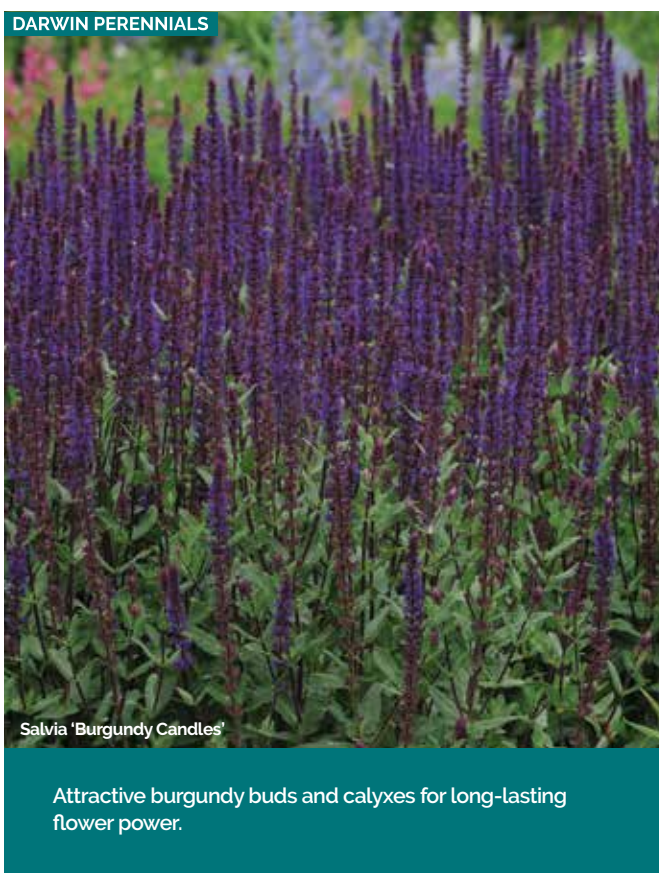
Salvia 'Blue Hill'



Salvia 'Caradonna'



Salvia 'East Friesland'



Salvia 'Burgundy Candles'

Attractive burgundy buds and calyxes for long-lasting flower power.

SALVIA   
(SAGE)  
*Salvia greggii*

#### MIRAGE™ SERIES

##### NEW FOR 2017

**Height:** 12 to 14 in. (30 to 35 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 7 to 9  
*Darwin Perennials*

**Bold, brightly colored blooms stand out at retail and in the landscape.**

- Self-branching, mounded habit resists breaking for easy shipping and less shrink.
- Can be sold as annual in the North; overwinters in the South.
- Heat-tolerant series features a full range of intense flower colors.
- Less maintenance and more color in the garden.

**Burgundy** 'Balmirbur' PPAF  
**Cherry Red** 'Balmircher' PPAF  
**Cream** 'Balmiream'  
**Deep Purple** 'Balmirdepur' PPAF  
**Hot Pink** 'Balmirhopi'  
**Neon Rose** 'Balmirnose'  
**Pink** 'Balmirpink'  
**Soft Pink** 'Balmirsopin'  
**Violet** 'Balmirvio' PPAF

SALVIA   
(SAGE)  
*Salvia nemorosa*

#### 'BLUE HILL'

**Height:** 20 in. (50 cm)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 4 to 9  
Long bloomer produces lilac-blue flowers on neat clumps of gray-green foliage.

#### 'BURGUNDY CANDLES'

**Height:** 26 to 28 in. (65 to 70 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 4 to 9  
*Darwin Perennials*  
PP22.754

- Strong, semi-upright, vigorous plants.
- Plenty of retail and landscape appeal.
- Excellent performer in Summer heat.
- Suitable for two-gallon programs.

#### 'CARADONNA'

**Height:** 24 to 30 in. (60 to 75)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 4 to 9

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

#### 'EAST FRIESLAND'

**Height:** 18 in. (45 cm)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 4 to 9

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

# LYRICAL™

DARWIN PERENNIALS

Salvia Lyrical Blues



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



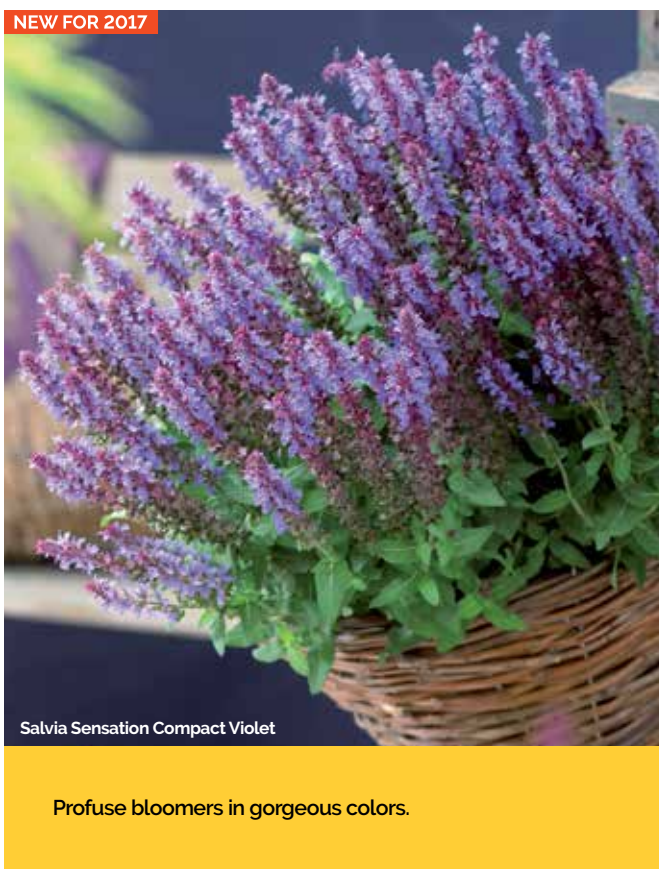
Salvia Lyrical Blues



Salvia Lyrical Silvertone



Salvia Lyrical Rose



Salvia Sensation Compact Violet

Profuse bloomers in gorgeous colors.



Salvia Lyrical White



Salvia Sensation Compact Deep Blue



Salvia Sensation Medium Deep Blue



Salvia Sensation Compact Sky Blue



Salvia Sensation Medium Purple Rose



Salvia Sensation Medium Deep Rose



Salvia Sensation Compact Bright Rose



Salvia Sensation Medium Pink



Salvia Sensation Medium Light Rose



Salvia Sensation Medium White



Salvia Sensation Compact White



Salvia 'Snow Hill'

NEW FOR 2017

NEW FOR 2017

NEW FOR 2017

NEW FOR 2017

NEW FOR 2017

NEW FOR 2017

NEW FOR 2017

NEW FOR 2017

#### LYRICAL™ SERIES

**Height:** 22 to 24 in. (55 to 60 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 4 to 9  
*Darwin Perennials*

*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.

*Lyrical White* showed excellent performance in first season in two university trials: University of Minnesota, Morris, Minnesota (2015 season results) and Franklin Park Conservatory, Columbus, Ohio (2015 season perennial results).

**Blues** 'Balyricltu' PP22,919  
**Rose** 'Balyricose' PP24,274  
**Silvertone** 'Balyricsil' PP23,310  
**White** 'Florsalwhite' PP21,243

#### SENSATION™ SERIES

**Height:** 12 to 14 in. (30 to 35 cm)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 5 to 9  
*Florensis*

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

**NEW Compact Bright Rose** 'Florsalbro' PPAF  
**Compact Deep Blue** 'Florsaldblu' PP21,297  
**NEW Compact Sky Blue** 'Florsalsbu'  
**NEW Compact Violet** 'Florsalvioblu' PPAF  
**Compact White** 'Florsalcwh'  
**NEW Medium Deep Blue** 'Florsaldeep'  
**Medium Deep Rose** 'Florsaldro'  
**NEW Medium Light Rose** 'Florsaliro'  
**NEW Medium Pink** 'Florsalpi'  
**NEW Medium Purple Rose** 'Florsalpur' PPAF  
**NEW Medium White** 'Florsalmwh'

#### 'SNOW HILL'

**Height:** 20 in. (50 cm)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 4 to 9

Mounded, gray-green foliage with white flowers.



Salvia 'Aurea'



Salvia 'Purpurascens'

#### MARCUS®

**Height:** 12 in. (30 cm)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 4 to 9  
 Rijnbeek & Zn B.V.  
 'Haeumanarc' PP13,322

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

#### 'MAY NIGHT'

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** Mid-May to July  
**USDA Hardiness Zones:** 4 to 9

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

**SALVIA**   
 (SAGE)  
*Salvia officinalis*

#### 'AUREA'

**Height:** 12 in. (30 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 5 to 8

Golden Sage has chartreuse leaves edged in gold.

#### 'BERGGARTEN'

**Height:** 24 in. (60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 5 to 8

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

#### 'BERGGARTEN VARIEGATED'

**Height:** 24 in. (60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 5 to 8  
 Spicy-scented variegated leaves on a culinary and decorative plant.

#### GARDEN SAGE

**Height:** 32 in. (80 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 5 to 8

Strongly aromatic, gray-green foliage.

#### 'ICTERINA'

**Height:** 16 in. (40 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 6 to 9

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

#### 'PURPURASCENS'

**Height:** 12 to 24 in. (30 to 60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 6 to 9

Purple Sage has bluish-purple stems and leaves.



Salvia 'Marcus'



Salvia 'May Night'



Salvia 'Berggarten'



Salvia 'Berggarten Variegated'



Salvia Garden Sage



Salvia 'Icterina'



Salvia 'Purple Rain'



Salvia 'Tricolor'



Salvia 'Ultra Violet'

#### 'TRICOLOR'

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 5 to 8

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

SALVIA ●  
 (SAGE)

*Salvia verticillata*

#### 'PURPLE RAIN'

**Height:** 24 in. (60 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 8

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

SALVIA ●  
 (SAGE)

*Salvia x hybrida*

#### 'ULTRA VIOLET'

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** Summer to frost  
**USDA Hardiness Zones:** 5b to 9  
**PlantHaven, Inc.**  
 PP21,411

Vibrant purple flowers and aromatic, mid-green foliage.



## SECRETS OF SALVIA

During the Middle Ages, some people referred to Salvia (p. 61-69) as "Sage the Savior." The plant was known for its healing properties and value. It was one of the ingredients in a blend of herbs used to ward off the plague.

Back then, people said "Sage" was "singularly good for the head and brain, it quickeneth the senses and memory, strengtheneth the sinews, restoreth health to those that have the palsy, and taketh away shakey trembling of the members."

Today some researchers claim that extracts of Sage may enhance cognitive performance, comparable to the effect produced by caffeine.

The vivid red tubular flowers with fluted tips on **Salvia 'Radio Red'** (p. 62) attract hummingbirds from late Spring until Fall.

The Louisiana State University Agricultural Center named **Salvia 'Ember's Wish'** (p. 61) one of the top 10 new bedding plant varieties for 2015, proven best in Hammond, LA, landscape trials in 2014.

Some of the information above is from Dr. Allan M. Armitage, Professor Emeritus of Horticulture, UGA, and author of *It's Not Just About The Hat. Herbaceous Perennial Plants (3rd edition)* Website: [www.allanarmitage.net](http://www.allanarmitage.net)

# FLUTTER™

DARWIN PERENNIALS

Scabiosa Flutter Deep Blue



COMPACT SERIES  
IS EASY TO SHIP,  
SHOW AND LOVE!

## DARWIN PERENNIALS



Scabiosa Flutter Rose Pink

## DARWIN PERENNIALS



Scabiosa Flutter Deep Blue



Scabiosa 'Butterfly Blue'



Scabiosa 'Pink Mist'

### SCABIOSA (PINCUSHION FLOWER) *Scabiosa columbaria*

#### FLUTTER™ SERIES

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** March to September  
**USDA Hardiness Zones:** 5 to 9  
*Darwin Perennials*

**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** 'Balflutdelu' PPAF  
**Rose Pink** 'Balflutropi' PPAF

#### 'BUTTERFLY BLUE'

**Height:** 16 to 18 in. (40 to 45 cm)  
**Bloom Months:** May to hard frost  
**USDA Hardiness Zones:** 5 to 9

Compact, tidy mounds of deep green basal leaves with wiry stems hold single, round, lavender-blue flowers.

#### 'PINK MIST'

**Height:** 16 to 18 in. (40 to 45 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 9  
*PlantHaven, Inc.*

- Compact, upright habit is similar to 'Butterfly Blue'.
- Green, textured leaves.
- Soft pink, fully double flowers.

### SANTOLINA (LAVENDER COTTON) *Santolina incana*

#### 'NANA'

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

Finely divided, aromatic silver foliage and yellow button flowers.

### SANTOLINA (LAVENDER COTTON) *Santolina virens*

**Height:** 14 in. (35 cm)  
**Bloom Months:** July to August  
**USDA Hardiness Zones:** 6 to 9

Deep green foliage and bright yellow button flowers.



Santolina virens



Santolina 'Nana'



*Sedum kamtschaticum*



*Sedum kamtschaticum variegatum*

## SEDUM, GROUNDCOVER (STONECROP) ●

*Sedum album*

### 'ATHOUM'

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

**Bloom Months:** July to August

**USDA Hardiness Zones:** 3 to 9

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:** Spring to Summer

**USDA Hardiness Zones:** 4 to 9

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

## SEDUM, GROUNDCOVER (STONECROP) ●

*Sedum dasyphyllum*

### 'MAJOR'

**Height:** 4 in. (10 cm)

**Bloom Months:** Spring to Summer

**USDA Hardiness Zones:** 4 to 9

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

## SEDUM, GROUNDCOVER (STONECROP) ●

*Sedum kamtschaticum*

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

**Bloom Months:** Spring to Summer

**USDA Hardiness Zones:** 4 to 9

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

*Sedum kamtschaticum variegatum*

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

**Bloom Months:** June to August

**USDA Hardiness Zones:** 4 to 9

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

### 'WEIHENSTEPHANER GOLD'

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

**Bloom Months:** Spring to Summer

**USDA Hardiness Zones:** 3 to 8

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

## SEDUM, GROUNDCOVER (STONECROP) ●

*Sedum makinoi*

### 'OGON'

**Height:** 4 in. (10 cm)

**Bloom Months:** Spring to Summer

**USDA Hardiness Zones:** 7 to 9

Ground-hugging tender perennial has chartreuse foliage and dainty yellow flowers.



*Sedum 'Athoum'*



*Sedum 'Coral Carpet'*



*Sedum 'Major'*



*Sedum 'Weihenstephaner Gold'*



Sedum 'Ogon'



Sedum pachyclados



Sedum sieboldii



Sedum 'Dragon's Blood'



Sedum 'Blue Spruce'



Sedum 'Angelina'



Sedum sexangulare

#### SEDUM, GROUNDCOVER (STONECROP)

*Sedum pachyclados*

**Height:** 3 in. (7 cm)  
**Bloom Months:** Spring to Summer  
**USDA Hardiness Zones:** 5 to 9

Deep blue, scalloped foliage forms a tight mound, with white, star-shaped flowers.

#### SEDUM, GROUNDCOVER (STONECROP)

*Sedum reflexum*

##### 'BLUE SPRUCE'

**Height:** 3 to 6 in. (7 to 15 cm)  
**Bloom Months:** July to August  
**USDA Hardiness Zones:** 4 to 9

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

#### SEDUM, GROUNDCOVER (STONECROP)

*Sedum rupestre*

##### 'ANGELINA'

**Height:** 3 to 6 in. (7 to 15 cm)  
**Bloom Months:** July to August  
**USDA Hardiness Zones:** 3 to 9

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

#### SEDUM, GROUNDCOVER (STONECROP)

*Sedum sexangulare*

**Height:** 4 in. (10 cm)  
**Bloom Months:** Spring to Summer  
**USDA Hardiness Zones:** 5

Dense carpets of fine green foliage with bright yellow flowers in Spring.

#### SEDUM, GROUNDCOVER (STONECROP)

*Sedum sieboldii*

**Height:** 6 in. (15 cm)  
**Bloom Months:** September to October  
**USDA Hardiness Zones:** 6 to 9

Semi-evergreen, blue-green, succulent foliage with pink flowers in Fall.

#### SEDUM, GROUNDCOVER (STONECROP)

*Sedum spurium*

##### 'DRAGON'S BLOOD'

**Height:** 4 to 6 in. (10 to 15 cm)  
**Bloom Months:** July to August  
**USDA Hardiness Zones:** 3 to 9

Green leaves with red margins turn bright red in Fall, with deep red blooms in Summer.



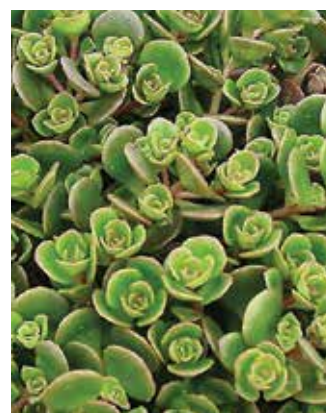
Sedum 'Fuldaglut'



Sedum 'John Creech'



Sedum 'Tricolor'



Sedum tetractinum



Sedum 'Coral Reef'



Sedum 'Chocolate Ball'



Sedum 'Lemon Ball'



Sedum 'Class Act'



Sedum 'Mr. Goodbud'

#### 'FULDAGLUT'

**Height:** 3 to 4 in. (7 to 10 cm)  
**Bloom Months:** Spring to Summer  
**USDA Hardiness Zones:** 4 to 9  
 Dark green, spreading foliage turns red-orange in Fall, with red flowers in July.

#### 'JOHN CREECH'

**Height:** 2 in. (5 cm)  
**Bloom Months:** June  
**USDA Hardiness Zones:** 3 to 9  
 Dense groundcover with striking green foliage and pink-purple blooms spills from containers.

#### 'TRICOLOR'

**Height:** 3 to 4 in. (8 to 10 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 3 to 9  
 Mat-forming, with small, rounded, green leaves edged in white and tinged in pink; pink blooms.

#### SEDUM, GROUNDCOVER (STONECROP)

*Sedum tetractinum*

**Height:** 3 in. (7 cm)  
**Bloom Months:** Spring to Summer  
**USDA Hardiness Zones:** 4 to 9  
 Mats of succulent green foliage with red-bronze color in Fall and yellow flowers in Summer.

#### 'CORAL REEF'

**Height:** 3 to 4 in. (7 to 10 cm)  
**Bloom Months:** July to August  
**USDA Hardiness Zones:** 4 to 9  
 Mounded, spreading groundcover has small yellow flowers and smooth green foliage that turns red in Fall.

#### SEDUM, MOUNDING (STONECROP)

*Sedum hakonense*

#### 'CHOCOLATE BALL'

**Height:** 2 to 3 in. (5 to 7 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 6 to 9  
 Little plants with brown-red, needle-like foliage bloom with yellow flowers in Summer.

#### SEDUM, MOUNDING (STONECROP)

*Sedum x hybrida*

#### 'LEMON BALL'

**Height:** 6 in. (15 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 7 to 9  
 Vivid mounds of chartreuse foliage stay dense, bushy and bright all Summer long.

#### SEDUM, UPRIGHT, FALL-FLOWERING (STONECROP)

*Sedum x hybrida*

#### 'CLASS ACT'

**Height:** 18 in. (45 cm)  
**Bloom Months:** Late Summer to Fall  
**USDA Hardiness Zones:** 4 to 9  
*Terra Nova Nurseries, Inc.*  
 PP20.125  
 Showy, rose-pink flowers with a full, upright habit.

#### 'MR. GOODBUD'

**Height:** 17 in. (42 cm)  
**Bloom Months:** Late Summer to Fall  
**USDA Hardiness Zones:** 4 to 9  
*Terra Nova Nurseries, Inc.*  
 PP17.671

Compact habit with dark mauve flowers.

#### PARTY HARDY™ SERIES

**Height:** 11 to 18 in. (28 to 45 cm)  
**Bloom Months:** Late Summer to Fall  
**USDA Hardiness Zones:** 4 to 9  
*Terra Nova Nurseries, Inc.*

'Birthday Party' has rosy pink flowers on green foliage; 'Pool Party' has bright pink blooms on blue-green foliage.

'Birthday Party' PP22.826  
 'Pool Party' PP22.842



Sedum Party Hardy 'Birthday Party'



Sedum Party Hardy 'Pool Party'



Sedum 'Vera Jameson'



Sedum 'Autumn Fire'



Sedum 'Autumn Joy'



Sedum 'Pink Bomb'

#### 'VERA JAMESON'

**Height:** 10 to 16 in. (25 to 40 cm)  
**Bloom Months:** August to September  
**USDA Hardiness Zones:** 3 to 9

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

SEDUM, UPRIGHT,  
 FALL-FLOWERING ●  
 (STONECROP)

*Sedum spectabile*

#### 'AUTUMN FIRE'

**Height:** 24 to 30 in. (60 to 75 cm)  
**Bloom Months:** Late Summer to Fall  
**USDA Hardiness Zones:** 3 to 9

Dense, robust habit; flowers start blue-green and mature to pink, deep red and finally bronze.

#### 'AUTUMN JOY'

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** Late Summer to Fall  
**USDA Hardiness Zones:** 3 to 10

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

#### 'PINK BOMB'

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

Lovely pink flowers and uniform, compact, succulent foliage.



## DARWIN PERENNIALS SHINES IN TRIALS

Here are some "top performer" and "excellent" perennial varieties ranked in garden trials in 2015.

#### COLORADO STATE UNIVERSITY, FORT COLLINS, CO

**Perovskia Little Lace** (p. 52) Named one of "Top Performers."

**Veronica Moody Blues® Dark Blue** (p. 83) Long bloom period and abundant spikes of dark blue flowers made this a standout. Plants were very uniform and had excellent winter hardiness. Additionally, plants had good resistance to disease and there was no sign of powdery mildew. The entire Moody Blues series was noted for superior performance.

#### FRANKLIN PARK CONSERVATORY, COLUMBUS, OH

**Achillea New Vintage™ Violet** (p. 1) – Excellent overall average score for second season 2015.

**Salvia Lyrical™ White** (p. 67) – Excellent performance in first season 2015.

#### PENN STATE UNIVERSITY, LANDISVILLE, PA

**Heuchera 'Carnival Coffee Bean'** (See DarwinPerennials.com) Excellent performer in the shade, 4.8/5 average shade rating, "Best of Species."

**Heuchera 'Carnival Cocomint,' and 'Carnival Fall Festival'** (See DarwinPerennials.com) Excellent performer in the shade, 4.7/5 average shade rating.

#### UNIVERSITY OF MINNESOTA, MORRIS, MN

**Achillea New Vintage™ Violet** (p. 1) Excellent overall average score for 2015 season.

**Salvia Lyrical™ White** (p. 67) Excellent performance in first season 2015.



Sempervivum 'Silverine'

SEMPERVIVUM   
(HENS & CHICKS)  
*Sempervivum*

#### 'CARMEN'

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

Emerald green succulent leaves with bright red tips.

#### 'COMMANDER HAY'

**Height:** 1 to 3 in. (2.5 to 7 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 3 to 8

Clumps of red and green rosettes.

#### 'KALINDA'

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

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

#### 'RED BEAUTY'

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

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

#### 'ROYAL RUBY'

**Height:** 3 to 4 in. (7 to 10 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 3 to 8

Forms dense mats of dark wine-red foliage.

#### 'RUBY HEART'

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

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

#### 'SILVERINE'

**Height:** 3 to 4 in. (7 to 10 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 3 to 8

Muted green foliage with red overtones.

SEMPERVIVUM   
(HENS & CHICKS)  
*Sempervivum arachnoideum*

#### 'COBWEB'

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

Pale green rosettes covered with fine silver hairs; produces bright reddish-pink flowers.



Sempervivum 'Carmen'



Sempervivum 'Commander Hay'



Sempervivum 'Kalinda'



Sempervivum 'Royal Ruby'



Sempervivum 'Red Beauty'



Sempervivum 'Ruby Heart'



Sempervivum 'Cobweb'



Silene 'Clifford Moor'



Silene 'Druett's Variegated'



Sempervivum 'Sunset'



Solidago Little Lemon



Solidago 'Fireworks'

SEMPERVIVUM    
(HENS & CHICKS)  
*Sempervivum tectorum*

#### 'SUNSET'

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

Emerald green leaves with red tips take on orange/red cast in cool weather.

SILENE    
(CAMPION)  
*Silene dioica*

#### 'CLIFFORD MOOR'

**Height:** 18 in. (45 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 5 to 8

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

SILENE    
(CAMPION)  
*Silene uniflora*

#### 'DRUETT'S VARIEGATED'

**Height:** 3 to 6 in. (7 to 15 cm)  
**Bloom Months:** May to July  
**USDA Hardiness Zones:** 3 to 7

Deep green leaves with wide, creamy white margins; white pinwheel flowers; prostrate habit.

SOLIDAGO   
(GOLDENROD)  
*Solidago*

#### LITTLE LEMON

**Height:** 12 to 18 in. (30 to 45 cm)  
**Bloom Months:** July to September  
**USDA Hardiness Zones:** 4 to 9  
**PlantHaven, Inc.**  
'Dansolittlem' PP17,297

Compact, well-branched plants completely covered with racemes of bright lemon-yellow flowers in Summer.

SOLIDAGO   
(GOLDENROD)  
*Solidago rugosa*

#### 'FIREWORKS'

**Height:** 36 to 48 in. (90 cm to 1.2 m)  
**Bloom Months:** July to September  
**USDA Hardiness Zones:** 5 to 9

Golden yellow flowers with wild, multi-branched panicles.



Stachys 'Hummelo'

STACHYS (LAMB'S EAR)  
*Stachys byzantia*

**'HELENE VON STEIN'**

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

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

**'SILVER CARPET'**

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

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

STACHYS (LAMB'S EAR)  
*Stachys monnieri*

**'HUMMELO'**

**Height:** 20 in. (50 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 8

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

STEVIA (GERMAN)  
*Stevia rebaudiana*

**Height:** to 24 in. (60 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 9 to 11

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

TEUCRIUM (GERMANDER)  
*Teucrium chamaedrys*

**Height:** 12 in. (30 cm)  
**Bloom Months:** Summer  
**USDA Hardiness Zones:** 4 to 9

Evergreen sub-shrub with deep green leaves and rosy-purple flowers.



Stachys 'Silver Carpet'



Stachys 'Helene Von Stein'



Stevia rebaudiana



Teucrium chamaedrys



Thymus 'Silver King'



Thymus 'Spicy Orange'



Thymus 'Albiflorus'



Thymus 'Hartington Silver'



Thymus 'Pink Chintz'



Thymus 'Pseudolanuginosus'



Thymus 'Elfin'



Thymus 'Coccineus'

## THYMUS (THYME)

*Thymus citriodorus*

### 'SILVER KING'

**Height:** 4 to 5 in. (10 to 12 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 7 to 9

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

### 'SPICY ORANGE'

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

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

### 'HARTINGTON SILVER'

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

Small green leaves with creamy white margins and tiny flowers of palest pink in late Spring.

### 'PINK CHINTZ'

**Height:** 0.25 in. (0.65 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 4 to 9

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

### 'PSEUDOLANUGINOSUS'

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

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

## THYMUS (THYME)

*Thymus praecox*

### 'ALBIFLORUS'

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

Low-growing habit with green leaves and white flowers.

### 'COCCINEUS'

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

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

## THYMUS (THYME)

*Thymus serpyllum*

### 'ELFIN'

**Height:** 1 in. (2.5 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 4 to 9

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



Thymus Silver Edged Thyme



Thymus 'Magic Carpet'



Thymus English Thyme



Thymus French Thyme



Thymus 'Doone Valley' Thyme



Thymus Lemon Thyme



Thymus Golden Lemon Thyme

#### 'MAGIC CARPET'

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

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

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

#### ENGLISH THYME

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

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

#### FRENCH THYME

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

Purple to white flowers with narrow, fragrant green leaves.

#### THYMUS ● (THYME)

*Thymus x citriodorus*

#### 'DOONE VALLEY' THYME

**Height:** 1 to 2 in. (2.54 to 5.08 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 5

Purple flowers with lemon-scented, green and golden variegated foliage. Excellent for planting between stepping stones and rock gardens.

#### LEMON THYME

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

Lemon-scented green leaves and lavender-pink flowers.

#### GOLDEN LEMON THYME

**Height:** 4 in. (10 cm)  
**Bloom Months:** None  
**USDA Hardiness Zones:** 6 to 9  
 Pungently lemon-scented leaves are golden and variegated when grown in bright light.

#### ORANGE THYME

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

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

#### SILVER EDGED THYME

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

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

#### 'VARIEGATUS'

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

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



Thymus Orange Thyme



Thymus 'Variegatus'



Veronica First Glory



Veronica First Love



Verbena 'Homestead Purple'



Veronica First Lady

NEW FOR 2017



Veronica First Choice



Verbena 'Lollipop'

VERBENA (VERVAIN)  
*Verbena bonariensis*

#### 'LOLLIPOP'

**Height:** 24 in. (60 cm)  
**Bloom Months:** May to frost  
**USDA Hardiness Zones:** 7 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:** 6 to 9

Small, deep purple flowers on vigorous, mounded plants.

VERBENA (VERVAIN)  
*Verbena x hybrida*

#### 'BILOXI BLUE'

**Height:** 6 to 8 in. (15 to 20 cm)  
**Bloom Months:** May to frost  
**USDA Hardiness Zones:** 7 to 10

Tender perennial with violet flower heads and green, slightly spreading, mounded foliage.



Verbena 'Biloxi Blue'

VERONICA (SPEEDWELL)  
*Veronica longifolia*

#### FIRST CHOICE

**NEW FOR 2017**  
**Height:** 22 in. (56 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 9  
**Rene van Gaalen B.V.**  
'Allchoice' PPAF

- Nice, soft pink addition to the First series.
- Long flowering.
- Vernalization not required.

#### FIRST GLORY

**Height:** 22 in. (56 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 8  
**Rene van Gaalen B.V.**  
'Alllord' PP23,294

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

#### FIRST LADY

**Height:** 22 in. (56 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 8  
**Rene van Gaalen B.V.**  
'Alllady' PP23,271

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

#### FIRST LOVE

**Height:** 22 in. (56 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 9  
**Rene van Gaalen B.V.**  
'Alllove' PPAF

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

# MOODY BLUES<sup>®</sup>

DARWIN PERENNIALS

Veronica Moody Blues Sky Blue



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



Veronica Moody Blues Light Blue



Veronica Moody Blues Mauve



Veronica Moody Blues Pink



Veronica Moody Blues White



Veronica Moody Blues Dark Blue



Veronica Moody Blues Sky Blue



Veronica 'Giles Van Hees'



Veronica 'Sunny Border Blue'



Veronica Royal Candles



Veronica 'Red Fox'



Veronica Venice Blue

Easy-to-grow variety makes an excellent season extender!

## VERONICA (SPIKE SPEEDWELL) *Veronica hybrida*

### MOODY BLUES® SERIES

**Height:** 12 to 14 in. (30 to 35 cm)  
**Bloom Months:** June to October  
**USDA Hardiness Zones:** 4 to 9  
*Darwin Perennials*

Compact series of first-year-flowering Veronica.

- Excellent 1-gallon production with great uniformity and habit.
- Continues to cycle and bloom all season until first frost.
- Compact, tidy habit is great for any garden or mixed container.

Entire **Moody Blues** series noted for superior performance by Colorado State University trial in 2015.

**Dark Blue** 'Novaverblu' PPAF  
**Light Blue** 'Novaverlig' PPAF  
**Mauve** 'Novavermau' PP26,621  
**Pink** 'Novaverpin' PP25,748  
**Sky Blue** 'Novaversky' PPAF  
**White** 'Novaverwhi'

## VERONICA (SPIKE SPEEDWELL) *Veronica spicata*

### 'GILES VAN HEES'

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

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

### 'SUNNY BORDER BLUE'

**Height:** 18 to 24 in. (45 to 60 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 8

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

### 'RED FOX'

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

Produces rose-red spikes in Summer.

### ROYAL CANDLES

**Height:** 12 in. (30 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 4 to 8  
*PlantHaven, Inc.*  
'Glory' PP18,932

Long-blooming dwarf variety with solid, conical spikes of bright violet-blue flowers.

## VERONICA (SPEEDWELL) *Veronica austriaca*

### VENICE BLUE

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

'Florverbblue' PPAF

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



Veronica 'Charlotte'



Veronica 'Georgia Blue'



Veronica 'Waterperry Blue'



Veronica 'Whitewater'



Veronica Goldwell



Veronica 'Sunshine'



Vinca minor



Vinca 'Bowles Cunningham'

## DARWIN PERENNIALS



Veronica 'Purpleicious'

Long-blooming variety with intense purple flowers and dark green foliage.



Vinca Moonlit

Unique double lavender flowers.

## VERONICA (SPEEDWELL)

*Veronica longifolia*

### 'CHARLOTTE'

**Height:** 24 to 33 in. (60 to 84 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 4 to 9  
*Rijnbeek & ZN B.V.*  
 PPAF

Bright white flower spikes against white and green variegated foliage.

## VERONICA (SPEEDWELL)

*Veronica peduncularis*

### 'GEORGIA BLUE'

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

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

### 'WATERPERRY BLUE'

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

Spreading habit with light blue flowers and purple Winter foliage.

### 'WHITEWATER'

**Height:** 4 to 6 in. (10 to 15 cm)  
**Bloom Months:** June to September  
**USDA Hardiness Zones:** 3 to 8  
*Chicagoland Grows Inc.*  
 PP22,783

Sport of 'Waterperry Blue' produces bright white flowers on burgundy-green foliage.

## VERONICA (SPEEDWELL)

*Veronica prostrata*

### GOLDWELL

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

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

## VERONICA (CREEPING SPEEDWELL)

*Veronica repens*

### 'SUNSHINE'

**Height:** 1 to 4 in. (2.5 to 10 cm)  
**Bloom Months:** June to July  
**USDA Hardiness Zones:** 4 to 8

Groundcover type, creeping with white blooms on gold foliage.

## VERONICA (SPEEDWELL)

*Veronica x hybrida*

### 'PURPLEICIOUS'

**Height:** 16 to 20 in. (40 to 50 cm)  
**Bloom Months:** June to August  
**USDA Hardiness Zones:** 5 to 8  
*Darwin Perennials*  
 PP17,639

- Well-branched plants have a strong, tidy habit.
- Very healthy, disease-free cultivar.

## VINCA (MYRTLE)

*Vinca minor*

**Height:** 4 to 8 in. (10 to 20 cm)  
**Bloom Months:** May  
**USDA Hardiness Zones:** 4 to 9

Low, creeping habit with glossy green foliage and blue flowers.

### 'BOWLES CUNNINGHAM'

**Height:** 5 to 8 in. (13 to 20 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 4 to 9

Vigorous, spreading variety has thick, glossy leaves and sky blue flowers. Also known as 'Bowles'.

### 'ILLUMINATION'

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

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

### MOONLIT

**Height:** 4 to 8 in. (10 to 20 cm)  
**Bloom Months:** April to May  
**USDA Hardiness Zones:** 5 to 9  
 'Parvin' PP20,484

- Grown primarily for its interesting, cream and green variegated leaves.
- Unique, fully double lavender blooms appear in Spring.
- Good garden groundcover that also trails in containers.

## DARWIN PERENNIALS



Viola 'Halo Violet'

## DARWIN PERENNIALS



Viola 'Halo Lemon Frost'

Extra-large, two-toned flowers captivate customers for early sales.

## DARWIN PERENNIALS



Viola 'Blackout'



Viola Celestial Northern Lights

## VIOLA (VIOLET)

*Viola cornuta*

### 'BLACKOUT'

**Height:** 5 to 6 in. (13 to 15 cm)  
**Bloom Months:** April to October  
**USDA Hardiness Zones:** 5 to 9  
*Darwin Perennials*  
 PP23,369

Ultra-black flowers and medium green foliage look fantastic at retail.

- Deepest black viola blooms are dainty, yet durable and highly scented.
- Medium green foliage complements dark blooms.
- Heat-tolerant, low-maintenance plants keep their compact habit.

### 'ETAİN'

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

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

### HALO SERIES

**Height:** 8 to 10 in. (20 to 25 cm)  
**Bloom Months:** February to April and September to October  
**USDA Hardiness Zones:** 5 to 9  
*Darwin Perennials*

- Excellent hardiness for long-lasting garden enjoyment.
- Very heat-tolerant.
- No vernalization required.
- Oversummers and overwinters.
- Larger flowers than Celestial.

### CELESTIAL™ SERIES

**Height:** 5 to 6 in. (13 to 15 cm)  
**Bloom Months:** February to October  
**USDA Hardiness Zones:** 5 to 9  
*PlantHaven, Inc.*

- Ever-blooming, early-Spring perennial in bright, rich colors.
- Overwinters and oversummers.
- Heat-tolerant, highly scented varieties bloom all Summer.
- No vernalization required.

**Blue Moon** 'SMEV1' PP19,882

**'Midnight'** PPAF

**Northern Lights** 'SMEV4' PP24,591

**Starry Night** 'Lord Primrose' PP18,253

**Twilight** 'SMEV3' PP24,592

**'Halo Lemon Frost'** PP26,383

**'Halo Lilac'** PP24,542

**'Halo Sky Blue'** PP24,541

**'Halo Violet'** PP24,428



Vinca 'Illumination'



Viola Celestial 'Midnight'



Viola Celestial Twilight



Viola Celestial Starry Night



Viola Celestial Blue Moon



Viola 'Etaín'



Viola 'Halo Sky Blue'



Viola 'Halo Lilac'

## DARWIN PERENNIALS



Viola Jumping Jack

Excellent landscape performer.



Viola Bonnie Lassies 'Emma'



Viola Bonnie Lassies 'Isabella'



Viola Bonnie Lassies 'Laura'



Viola Bonnie Lassies 'Sarah'

VIOLA   
(VIOLET)  
*Viola hybrida*

### BONNIE LASSIES™ SERIES

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

**Bloom Months:** Spring

**USDA Hardiness Zones:** 5a to 8

*Blooms of Bressingham*

Truly hardy plants put on a long-lasting show of larger-than-average, slightly fragrant blooms.

'Emma'  
'Isabella'  
'Laura'  
'Sarah'

VIOLA   
(VIOLET)  
*Viola pubescens*

### 'REBECCA CAWTHORNE'

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

**Bloom Months:** Spring

**USDA Hardiness Zones:** 5 to 9

Fragrant purple flowers splashed with white; sporadic reblooming.

VIOLA   
(VIOLET)  
*Viola x hybrida*

### JUMPING JACK

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

**Bloom Months:** February to April and September to October

**USDA Hardiness Zones:** 5 to 9

*Darwin Perennials*

'Baltijac' PP21,084

- Extremely floriferous, continuously blooming variety.
- Good for Summer bedding, perennial borders and mixed containers.
- Much better heat tolerance than 'Johnny Jump-Ups' of the past.



Viola 'Rebecca Cawthorne'

WALDSTEINIA   
(BARREN STRAWBERRY)  
*Waldsteinia ternata*

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

**Bloom Months:** May to June

**USDA Hardiness Zones:** 3 to 8

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


















Waldsteinia ternata

# CULTURE GUIDE

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

# Darwin Perennials Propagation Guide

Page		Crop	Series/Variety	Media EC/pH	Soil Temperature	Rooting Hormone	
1		<b>Achillea</b> <i>hybrid</i>	Moon Dust	EC 1.0–1.25 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	
1		<b>Achillea</b> <i>millifolium</i>	New Vintage™	EC 1.0–1.25 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	
2		<b>Achillea</b> <i>millifolium</i>	Song Siren™	EC 1.0–1.25 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	
4		<b>Agastache</b> <i>rugosa</i>	Little Adder	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
8		<b>Alyssum</b> <i>wulfenianum</i>	Golden Spring	EC 0.80–1.0 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
10		<b>Boltonia</b> <i>asteroides</i> var. <i>latisquama</i>	Jim Crockett	EC 0.80–1.0 mmhos/pH 5.8–6.2	68–74°F (20–24°C)	300 ppm IBA	
10		<b>Buddleia</b> <i>davidii</i>	Berry Fizz	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
11		<b>Buddleia</b> <i>davidii</i>	Blaze Pink	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
11		<b>Buddleia</b> <i>davidii</i>	Cran Razz	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
12		<b>Buddleia</b> <i>davidii</i>	Flutterby Petite®	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
12		<b>Buddleia</b> <i>davidii</i>	True Blue	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
14		<b>Campanula</b> <i>x hybrida</i>	Iridescent Bells	EC 0.80–1.0 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	
14		<b>Caryopteris</b> <i>hybrid</i>	Good As Gold	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000–3,000 ppm IBA	
14		<b>Caryopteris</b> <i>x clandonensis</i>	Grand Bleu®	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000–3,000 ppm IBA	
15		<b>Centaurea</b> <i>montana</i>	Lavender Mist	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	

	Mist	Fertilization	Pinching	Transplanting	Comments
	Low to moderate	50–75 ppm N	Not necessary, remove premature flowers.	28–35 days after sticking	Do not over-mist.
	Low to moderate	50–75 ppm N	Not necessary, remove premature flowers.	28–35 days after sticking	Do not over-mist.
	Low to moderate	50–75 ppm N	Not necessary, remove premature flowers.	28–35 days after sticking	Do not over-mist.
	Low to moderate	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	28–35 days after sticking	Stick cuttings the day of arrival, if possible.
	Low	50–75 ppm N	Recommended.	35–42 days after sticking	This Alyssum requires light mist and soil moisture. Can be rooted under a dome or tent. Do not over-mist.
	Moderate	75–100 ppm N when roots become visible; increase to 150–200 ppm N as roots develop	Recommended after roots are established.	28–35 days after sticking	Generally roots quickly.
	Low	50–75 ppm N	Recommended.	35–42 days after sticking	Do not over-mist. Long days in propagation will hasten rooting and plant development.
	Low	50–75 ppm N	Recommended.	35–42 days after sticking	Do not over-mist. Long days in propagation will hasten rooting and plant development.
	Low	50–75 ppm N	Recommended.	35–42 days after sticking	Do not over-mist. Long days in propagation will hasten rooting and plant development.
	Low	50–75 ppm N	Recommended.	35–42 days after sticking	Do not over-mist. Long days in propagation will hasten rooting and plant development.
	Low	50–75 ppm N	Recommended.	35–42 days after sticking	Do not over-mist. Long days in propagation will hasten rooting and plant development.
	Low to moderate	50–75 ppm N after 14 days	Not necessary.	35–42 days after sticking	Campanula typically have longer leaf petioles. Avoid dehydration during the first 3 days after sticking, then use a low to moderate mist regime. Avoid sticking cuttings too deep so that growing tip is exposed.
	Low to moderate	50–75 ppm N	Not necessary in liner stage	35–42 days after sticking	Discontinue mist as quickly as possible once rooting occurs.
	Low to moderate	50–75 ppm N	Not necessary in liner stage	35–42 days after sticking	Discontinue mist as quickly as possible once rooting occurs.
	Low	50–75 ppm N	Not necessary.	35–42 days after sticking	Use low mist and media moisture levels to avoid stem rot.

# Darwin Perennials Propagation Guide

Page		Crop	Series/Variety	Media EC/pH	Soil Temperature	Rooting Hormone	
16		<b>Coreopsis</b> <i>grandiflora</i>	Sunny Day	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
16		<b>Coreopsis</b> <i>hybrid</i>	Little Bird	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
*		<b>Coreopsis</b> <i>x hybrida</i>	UpTick™	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	
18		<b>Coreopsis</b> <i>verticillata</i>	Sylvester	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
18		<b>Coreopsis</b> <i>verticillata</i>	Tweety	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
17		<b>Coreopsis</b> <i>verticillata</i>	Crème Caramel™	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
23		<b>Eupatorium</b> <i>dubium</i>	Little Joe	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
24		<b>Euphorbia</b> <i>amygdaloides</i>	Red Velvet	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	
29		<b>Gaura</b> <i>lindheimeri</i>	Ballerina™	EC 0.75–0.80 mmhos/pH 5.8–6.2	68–73°F (20–24°C)	500 ppm IBA	
29		<b>Gaura</b> <i>lindheimeri</i>	Belleza™	EC 0.75–0.80 mmhos/pH 5.8–6.2	68–73°F (20–24°C)	500 ppm IBA	
29		<b>Gaura</b> <i>lindheimeri</i>	Little Janie, Whiskers Deep Rose	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
30		<b>Geranium</b> <i>oxonianum</i>	Miss Heidi	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
31		<b>Heliopsis</b> <i>helianthoides</i>	Double Sunstruck, Sunstruck	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
*		<b>Heuchera</b> <i>x hybrida</i>	Carnival	EC 0.80–1.0 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	
*		<b>Heuchera</b> <i>sanguinea</i>	Frosty Morn	EC 0.80–1.0 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	

• See [DarwinPerennials.com](http://DarwinPerennials.com)



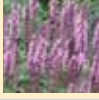


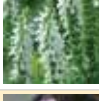




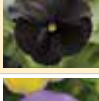


	Mist	Fertilization	Pinching	Transplanting	Comments
	Moderate	50–75 ppm N	Pinch once in the liner stage	28–35 days after sticking	Begin fertilizing 7 days after stick. Avoid over-misting.
	Moderate	50–75 ppm N	Pinch once in the liner stage and once after transplant for best results.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Moderate	50–75 ppm N	Pinch once in the liner stage	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Moderate	50–75 ppm N	Pinch once in the liner stage and once after transplant for best results.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Moderate	50–75 ppm N	Pinch once in the liner stage and once after transplant for best results.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Moderate	50–75 ppm N	Pinch once in the liner stage and once after transplant for best results.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	High for first few days, then reduce to moderate.	50–100 ppm N	Recommended	42–49 days after sticking	
	Low	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low to moderate	75–100 ppm N when roots become visible; increase to 150–200 ppm N as roots develop	Yes, 7 days before transplanting.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low to moderate	75–100 ppm N when roots become visible; increase to 150–200 ppm N as roots develop	Yes, 7 days before transplanting.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low to moderate	50–75 ppm N when roots become visible	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low to moderate	50–75 ppm N when roots become visible	Not necessary.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low	50–75 ppm N when roots become visible	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low to moderate	50–75 ppm N after 14 days	Not necessary.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low to moderate	50–75 ppm N after 14 days	Not necessary.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.

# Darwin Perennials Propagation Guide

Page		Crop	Series/Variety	Media EC/pH	Soil Temperature	Rooting Hormone	
34		<b>Iberis</b> <i>amara</i>	White Heat	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
34		<b>Iberis</b> <i>gibraltarica</i>	Lavish	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
36		<b>Lavandula</b> <i>angustifolia</i>	SuperBlue	EC 0.75–0.80 mmhos/pH 5.9–6.2	70–72°F (21–24°C)	500 ppm IBA	
37, 38		<b>Lavandula</b> <i>stoechas</i>	Anouk Series, Bright Luxurious, Luxurious	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
41		<b>Leucanthemum</b> <i>x superbum</i>	Santé	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
45		<b>Monarda</b> <i>didyma</i>	Balmy™	EC 1.0–1.25 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
46		<b>Nepeta</b> <i>x faassenii</i>	Junior Walker	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500–1,000 ppm IBA	
49		<b>Penstemon</b> <i>hybrid</i>	Quartz™ Series: Amethyst, Rose	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
49		<b>Penstemon</b> <i>x hybrida</i>	Cherry Sparks	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
49		<b>Penstemon</b> <i>hybrid</i>	Little Bells	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
51		<b>Penstemon</b> <i>x hybrida</i>	MissionBells™ Deep Rose	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
51		<b>Penstemon</b> <i>hybrid</i>	Rock Candy®	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
52		<b>Perovskia</b> <i>atriplicifolia</i>	CrazyBlue, Little Lace	EC 1.0–1.25 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
59		<b>Rhodanthemum</b> <i>hosmariense</i>	Casablanca, Marrakech	EC 0.80–1.0 mmhos/pH 5.8–6.2	68–74°F (20–24°C)	300 ppm IBA	
65		<b>Salvia</b> <i>greggii</i>	Mirage™	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	

	Mist	Fertilization	Pinching	Transplanting	Comments
	Moderate	50–75 ppm N when roots become visible	Recommended after roots are established. Leave active internodes.	28–35 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Moderate	50–75 ppm N when roots become visible	Recommended after roots are established. Leave 4–5 active internodes.	28–35 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low; prefers high humidity to mist	50–75 ppm N	Recommended.	42–56 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low; prefers high humidity to mist	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	42–56 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Low	50–75 ppm N	Not typically necessary.	42–56 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Moderate	50–75 ppm N	Recommended.	28–35 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C). Remove flowers in propagation.
	Moderate	50–75 ppm N	Recommended.	35–42 days after sticking	Roots quickly. Plan to pinch in liner tray.
	Moderate to high for first 24 hours, then reduce to low	50–75 ppm N	Recommended.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate to high for first 24 hours, then reduce to low	50–75 ppm N	Recommended.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate to high for first 24 hours, then reduce to low	50–75 ppm N	Recommended.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate to high for first 24 hours, then reduce to low	50–75 ppm N	Recommended.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate to high for first 24 hours, then reduce to low	50–75 ppm N after 10 days	Recommended.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate	75–100 ppm N when roots become visible; increase to 150–200 ppm N as roots develop	Recommended after roots are established.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).
	Moderate	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Use low mist settings; do not oversaturate rooting media. Root zone temperatures of 70°F (21°C).








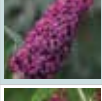


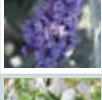




# Darwin Perennials Propagation Guide

Page		Crop	Series/Variety	Media EC/pH	Soil Temperature	Rooting Hormone	
62		<b>Salvia</b> <i>greggii</i>	Radio Red	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
61		<b>Salvia</b> <i>hybrid</i>	Arctic Blaze™	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
63		<b>Salvia</b> <i>hybrid</i>	Suncrest	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
*		<b>Salvia</b> <i>nemorosa</i>	Blue Marvel	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
65		<b>Salvia</b> <i>nemorosa</i>	Burgundy Candles	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
67		<b>Salvia</b> <i>nemorosa</i>	Lyrical™	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	1,000 ppm IBA	
71		<b>Scabiosa</b> <i>columbaria</i>	Flutter™	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
83		<b>Veronica</b> <i>austriaca</i>	Venice Blue	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
84		<b>Veronica</b> <i>x hybrida</i>	Purpleicious	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
83		<b>Veronica</b> <i>repens</i>	Moody Blues®	EC 0.75–0.80 mmhos/pH 5.8–6.2	70–72°F (21–24°C)	500 ppm IBA	
85		<b>Viola</b> <i>cornuta</i>	Blackout	EC 0.80–1.0 mmhos/pH 5.5–5.8	70–72°F (21–24°C)	500–750 ppm IBA	
85		<b>Viola</b> <i>cornuta</i>	Halo	EC 0.80–1.0 mmhos/pH 5.5–5.8	70–72°F (21–24°C)	500–750 ppm IBA	
86		<b>Viola</b> <i>x hybrida</i>	Jumping Jack	EC 0.80–1.0 mmhos/pH 5.5–5.8	70–72°F (21–24°C)	500–750 ppm IBA	

• See [DarwinPerennials.com](http://DarwinPerennials.com)

	Mist	Fertilization	Pinching	Transplanting	Comments
	Moderate	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Begin fertilizing 7 days after stick.
	Moderate	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Roots quickly. Plan to pinch in liner tray.
	Moderate	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Roots quickly. Plan to pinch in liner tray.
	Low	50–75 ppm N at Day 7	A soft pinch will increase branching.	35–42 days after sticking	Discontinue mist as quickly as possible and only mist to avoid leaf wilt.
	Low	50–75 ppm N at Day 7	A soft pinch will increase branching.	35–42 days after sticking	Discontinue mist as quickly as possible and only mist to avoid leaf wilt. Begin feeding 7 days after sticking with 75–100 ppm N.
	Low	50–75 ppm N at Day 7	A soft pinch will increase branching.	35–42 days after sticking	Discontinue mist as quickly as possible and only mist to avoid leaf wilt. Begin feeding 7 days after sticking with 75–100 ppm N.
	Low	50–75 ppm N	A soft pinch will increase branching.	35–42 days after sticking	Transplant as soon as roots are fully developed.
	Moderate	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Roots quickly. Plan to pinch in liner tray.
	Moderate	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Roots quickly. Plan to pinch in liner tray.
	Moderate	50–75 ppm N	Recommended after roots are established. Leave 4–5 active internodes.	35–42 days after sticking	Roots quickly. Plan to pinch in liner tray.
	Moderate for first 24–48 hours, then reduce to low.	50–75 ppm N at Day 7	Soft pinch recommended 25–28 days after sticking.	35–42 days after sticking	Excessive media moisture will slow rooting.
	Moderate for first 24–48 hours, then reduce to low.	50–75 ppm N at Day 7	Soft pinch recommended 25–28 days after sticking.	35–42 days after sticking	Excessive media moisture will slow rooting. Begin fertilizing at Day 7 with 75 ppm N.
	Moderate for first 24–48 hours, then reduce to low.	50–75 ppm N at Day 7	Soft pinch recommended 25–28 days after sticking.	35–42 days after sticking	Excessive media moisture will slow rooting. Begin fertilizing at Day 7 with 75 ppm N.

# Darwin Perennials Finishing Guide

Page		Crop	Series/ Variety	Media pH	Temperature	Light Levels in Foot Candles	Watering	Fertilization	Pinching After Transplant	
1		<b>Achimillea</b> <i>hybrid</i>	Moon Dust	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
1		<b>Achimillea</b> <i>millifolium</i>	New Vintage™	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Generally not required.	
2		<b>Achimillea</b> <i>millifolium</i>	Song Siren™	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Generally not required.	
4		<b>Agastache</b> <i>rugosa</i>	Little Adder	5.8–6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
8		<b>Alyssum</b> <i>wulfenianum</i>	Golden Spring	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
10		<b>Boltonia</b> <i>asteroides</i> var. <i>latisquama</i>	Jim Crockett	5.6–6.3	Nights: 62 to 68°F (17 to 20°C) Days: 65 to 75°F (18 to 24°C)	5,000 to 8,000	Allow media to dry evenly between watering.	Maintain constant fertilization at 150 to 200 ppm N.	Recommended	
10		<b>Buddleia</b> <i>davidii</i>	Berry Fizz	5.5–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.	Recommended	
11		<b>Buddleia</b> <i>davidii</i>	Blaze Pink	5.5–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.	Recommended	
11		<b>Buddleia</b> <i>davidii</i>	Cran Razz	5.5–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.	Recommended	
12		<b>Buddleia</b> <i>davidii</i>	Flutterby Petite®	5.5–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.	Recommended	
12		<b>Buddleia</b> <i>davidii</i>	True Blue	5.5–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.	Recommended	
14		<b>Campanula</b> <i>x hybrida</i>	Iridescent Bells	5.8–6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	3,500 to 4,000	Allow media to dry evenly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.	None	
14		<b>Caryopteris</b> <i>hybrid</i>	Good As Gold	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	5,000 to 8,000	Allow media to dry evenly between watering	Use a balanced fertilizer at a rate of 125 to 150 ppm.	None	
14		<b>Caryopteris</b> <i>x clandonensis</i>	Grand Bleu®	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	5,000 to 8,000	Allow media to dry regularly between watering	Use a balanced fertilizer at a rate of 125 to 150 ppm.	None	
15		<b>Centaurea</b> <i>montana</i>	Lavender Mist	5.8–6.2	Nights: 45 to 50°F (7 to 10°C) Days: 55 to 60°F (13 to 16°C)	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	None	

	Plant Growth Regulators	Pests and Fungal Diseases	Crop Schedule & Uses					
			1-qt. (10-cm) pot, 1 plant per pot	1-gal. (15-cm) pot, 1 plant per pot	2 to 3-gal. (25 to 30-cm) pot, 3 plants per pot	Height	USDA Hardiness Zones	Bloom Months
	PGRs generally not needed	<i>Pythium</i> and <i>Rhizoctonia</i> can result from overwatering.	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 15–17 wks Rooted: 10–12 wks	Unrooted: 19–22 wks Rooted: 12–14 wks	12–14 in. (30–35 cm)	5 to 8	June–July
	PGRs generally not needed	<i>Pythium</i> and <i>Rhizoctonia</i> can result from overwatering.	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 15–17 wks Rooted: 10–12 wks	Unrooted: 19–22 wks Rooted: 12–14 wks	12–14 in. (30–35 cm)	4 to 9	June–July
	PGRs generally not needed	<i>Pythium</i> and <i>Rhizoctonia</i> can result from overwatering.	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 15–17 wks Rooted: 10–12 wks	Unrooted: 19–22 wks Rooted: 12–14 wks	20–22 in. (50–55 cm)	4 to 9	June–July
	PGRs generally not needed	Thrips, white fly	Not recommended	Unrooted: 15–17 wks Rooted: 10–12 wks	Unrooted: 19–22 wks Rooted: 12–14 wks	15–18 in. (38–45 cm)	5 to 9	June–Sept
	PGRs generally not needed	None noted	Unrooted: stick week 30–35 Rooted: plant week 35–40	Unrooted: stick week 26–32 Rooted: plant week 31–36	Unrooted: stick week 22–26 Rooted: plant week 27–31	6–8 in. (15–20 cm)	4 to 9	Apr–May
	PGRs generally not needed	<i>Botrytis</i> , <i>Pythium</i>	Unrooted: 9–11 wks Rooted: 5–7 wks	Unrooted: 11–14 wks Rooted: 7–10 wks	Unrooted: 14–16 wks Rooted: 10–12 wks	18–24 in. (45–60 cm)	4 to 9	May–Sept
	PGRs generally not needed	Aphids, thrips, spider mites	Not recommended	Unrooted: 20–22 wks Rooted: 14–16 wks	Unrooted 22–24 wks. Rooted: 16–18 wks	4–5 ft. (1.2–1.5 m)	5 to 10	May–Sept
	PGRs generally not needed	Aphids, thrips, spider mites	Not recommended	Unrooted: 20–22 wks Rooted: 14–16 wks	Unrooted 22–24 wks. Rooted: 16–18 wks	5–6 ft. (1.5–1.8 m)	5 to 10	May–Sept
	PGRs generally not needed	Aphids, thrips, spider mites	Not recommended	Unrooted: 20–22 wks Rooted: 14–16 wks	Unrooted 22–24 wks. Rooted: 16–18 wks	5–6 ft. (1.5–1.8 m)	5 to 10	May–Sept
	PGRs generally not needed	Aphids, thrips, spider mites	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 15–17 wks Rooted: 10–12 wks	Unrooted 22–24 wks. Rooted: 16–18 wks	24–30 in. (60–75 cm)	5 to 10	May–Sept
	PGRs generally not needed	Aphids, thrips, spider mites	Not recommended	Unrooted: 20–22 wks Rooted: 14–16 wks	Unrooted 22–24 wks. Rooted: 16–18 wks	61–73 in. (1.55–1.85 m)	5 to 10	May–Sept
	PGRs generally not needed	Aphid, Spider mite, Leaf spots, <i>Rhizoctonia</i> crown rot	Not recommended	Unrooted: 20–22 wks Rooted: 14–16 wks	Unrooted 22–24 wks. Rooted: 16–18 wks	24–30 in. (60–75 cm)	5 to 8	Apr–Sept
	PGRs generally not needed	Spider mite	Not recommended	Rooted: 14–16 wks	Rooted: 14 wks	36–48 in. (90 cm–1.2 m)	7 to 8	Aug–Oct
	PGRs generally not needed	Spider mite	Not recommended	Rooted: 12 to 14 wks	Rooted: 14 wks	48 in. (1.2 m)	6 to 9	Aug–Oct
	PGRs generally not needed	Thrips, white fly, spider mites. Can be sensitive to crown and root rot when overwatered.	Not recommended	Unrooted: Plant by week 35 (North), week 40 (South) Rooted: Stick by week 30 (North), week 35 (South)	Unrooted: Plant by week 32 (North), week 37 (South) Rooted: Stick by week 28 (North), week 32 (South)	16–18 in. (40–45 cm)	4 to 9	Apr–June










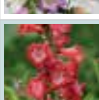

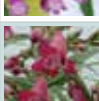
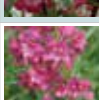
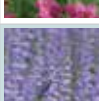

# Darwin Perennials Finishing Guide

Page		Crop	Series/ Variety	Media pH	Temperature	Light Levels in Foot Candles	Watering	Fertilization	Pinching After Transplant	
16		<b>Coreopsis</b> <i>grandiflora</i>	Sunny Day	5.8–6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry evenly between watering.	Maintain constant fertilization at 150 to 200 ppm N.	Recommended	
16		<b>Coreopsis</b> <i>hybrid</i>	Little Bird	5.8–6.2	Days: 55 to 80°F (13 to 27°C)	5,000 to 8,000	Allow media to dry evenly between watering.	Maintain constant fertilization at 150 to 200 ppm N.	Recommended	
*		<b>Coreopsis</b> <i>x hybrida</i>	UpTick™	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
18		<b>Coreopsis</b> <i>verticillata</i>	Sylvester, Tweety	5.8–6.2	Days: 55 to 80°F (13 to 27°C)	5,000 to 8,000	Allow media to dry evenly between watering.	Maintain constant fertilization at 150 to 200 ppm N.	Recommended	
17		<b>Coreopsis</b> <i>verticillata</i>	Crème Caramel™	5.8–6.2	Days: 55 to 80°F (13 to 27°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
*		<b>Digitalis</b> <i>x hybrida</i>	Foxtight™	5.8–6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
*		<b>Echinacea</b> <i>x hybrida</i>	Double Scoop™	5.8–6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)	3,500 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	None	
*		<b>Echinacea</b> <i>x hybrida</i>	Sombrero®	5.8–6.2	Nights: 55 to 60°F (13 to 16°C) Days: 60 to 65°F (16 to 18°C)	3,500 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	None	
23		<b>Eupatorium</b> <i>dubium</i>	Little Joe	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	5,000 to 8,000	Allow media to dry moderately between watering. Prefers moist soils.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
24		<b>Euphorbia</b> <i>amygdaloides</i>	Red Velvet	5.6–6.5	Nights: 50 to 55°F (10 to 13°C) Days: 55 to 60°F (13 to 16°C)	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.	Recommended	
29		<b>Gaura</b> <i>lindheimeri</i>	Ballerina™, Belleza™	5.8–6.2	Nights: 56 to 61°F (13 to 16°C) Days: 71 to 76°F (21 to 24°C)	5,000 to 9,000	Allow media to dry slightly between watering.	Maintain constant fertilization at 175 to 225 ppm N.	Recommended	
29		<b>Gaura</b> <i>lindheimeri</i>	Little Janie, Whiskers Deep Rose	5.8–6.2	Nights: 50 to 55°F (10 to 13°C) Days: 55 to 60°F (13 to 16°C)	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
30		<b>Geranium</b> <i>oxonianum</i>	Miss Heidi	5.8–6.2	Nights: 45 to 50°F (7 to 10°C) Days: 55 to 60°F (13 to 16°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.	None	
31		<b>Heliopsis</b> <i>helianthoides</i>	Double Sunstruck, Sunstruck	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 150 to 175 ppm.	Recommended	
*		<b>Heuchera</b> <i>x hybrida</i>	Carnival	5.8–6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	1,500 to 2,500	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.	None	

• See DarwinPerennials.com

	Plant Growth Regulators	Pests and Fungal Diseases	Crop Schedule & Uses					
			1-qt. (10-cm) pot, 1 plant per pot	1-gal. (15-cm) pot, 1 plant per pot	2 to 3-gal. (25 to 30-cm) pot, 3 plants per pot	Height	USDA Hardiness Zones	Bloom Months
	B-Nine 1,500 ppm/Cycocel 800 ppm tank mix for height control	Keep good air movement to control powdery mildew.	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	18-24 in. (45-60 cm)	4 to 9	June-Sept
	PGRs generally not needed	Manage soil moisture to avoid root diseases. Keep good air movement to control powdery mildew. Aphids	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	12-14 in. (30-35 cm)	5 to 9	June-Sept
	PGRs generally not needed	Spider mites	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	12-14 in. (30-35 cm)	5 to 9	May-Sept
	PGRs generally not needed	Manage soil moisture to avoid root diseases.	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	Sylvester: 16-20 in. (40-50 cm) Tweety: 14-16 in. (35-40 cm)	4 to 9	June-Sept
	PGRs generally not needed	Powdery mildew, aphids	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	18 in. (45 cm)	5 to 9	May-July
	PGRs generally not needed	Aphids, white fly, spider mites	Not recommended	12-14 wks	12-14 wks	22-24 in. (56-60 cm)	7 to 10	Apr-Sept Natural season flowering
	None	None noted	14-16 wks Spring plant 11-13 wks Summer plant for Fall	14-16 wks Spring plant 11-13 wks Summer plant for Fall	14-16 wks Spring plant 11-13 wks Summer plant for Fall	22-24 in. (56-60 cm)	4 to 9	June-Aug
	None	None noted	14-16 wks Spring plant 11-13 wks Summer plant for Fall	14-16 wks Spring plant 11-13 wks Summer plant for Fall	14-16 wks Spring plant 11-13 wks Summer plant for Fall	22-24 in. (56-60 cm)	4 to 9	June-Aug
	Concise/Sumagic 30-60 ppm spray	None noted	Nor recommended.	Rooted: 20 weeks	Rooted: 20 weeks	3-4 ft. (90 cm-12 m)	3 to 9	Aug-Sept
	PGRs generally not needed	Watch for powdery mildew in Fall. White fly, spider mites	Unrooted: 14-16 wks Rooted: 8-10 wks	Unrooted: 16-19 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	18-20 in. (45-50 cm)	6 to 10	Mar-May
	PGRs generally not needed	<i>Pythium</i> , <i>Rhizoctonia</i> , <i>Botrytis</i>	Unrooted: 10-13 wks Rooted: 7-10 wks	Unrooted: 12-15 wks, 2-3 ppp Rooted: 9-12 wks, 2-3 ppp	Unrooted: 14-16 wks, 3-5 ppp Rooted: 11-13 wks, 3-5 ppp	12-18 in. (30-45 cm)	6 to 9	Ballerina: Apr-Sept Belleza: May-Sept
	PGRs generally not needed	Spider mites, aphids	Unrooted: 12-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	Little Janie: 16-18 in. (40-45 cm) Whiskers Deep Rose: 14-16 in. (35-40 cm)	6 to 9	Apr-Sept
	PGRs generally not needed	White fly	Not recommended	Unrooted: Plant by week 35 (North), week 40 (South) Rooted: Stick by week 30 (North), week 35 (South)	Unrooted: Plant by week 32 (North), week 37 (South) Rooted: Stick by week 28 (North), week 32 (South)	14-16 in. (35-40 cm)	4 to 9	Apr-June
	PGRs generally not needed	<i>Pythium</i> and <i>Rhizoctonia</i> can result from overwatering. Thrips, white fly, aphids	Unrooted: 14-16 wks Rooted: 8-10 wks	Unrooted: 16-19 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	14-16 in. (45-40 cm)	4 to 9	Double Sunstruck: May-July Sunstruck: June-Aug
	PGRs generally not needed	<i>Pythium</i> and <i>Rhizoctonia</i> can result from overwatering.	Unrooted: 13-15 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	10-12 in. (25-30 cm)	4 to 9	Apr-May



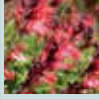



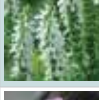





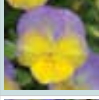

# Darwin Perennials Finishing Guide

Page		Crop	Series/ Variety	Media pH	Temperature	Light Levels in Foot Candles	Watering	Fertilization	Pinching After Transplant	
*		<b>Heuchera</b> <i>sanguinea</i>	Frosty Morn	5.8–6.2	Nights: 45 to 50°F (7 to 10°C) Days: 55 to 60°F (13 to 16°C)	1,500 to 2,500	Allow media to dry slightly between watering	Use a balanced fertilizer at a rate of 125 to 150 ppm.	None	
34		<b>Iberis</b> <i>amara</i>	White Heat	5.8–6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
34		<b>Iberis</b> <i>gibraltarica</i>	Lavish	5.8–6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	3,000 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
36		<b>Lavandula</b> <i>angustifolia</i>	SuperBlue	5.9–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 65 to 75°F (18 to 24°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Once for smaller pot sizes, twice for larger containers	
37, 38		<b>Lavandula</b> <i>stoechas</i>	Anouk Series, Bright Luxurious, Luxurious	5.8–6.2	Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 100 to 125 ppm.	Recommended	
41		<b>Leucanthemum</b> <i>x superbum</i>	Santé	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
45		<b>Monarda</b> <i>didyma</i>	Balmy™	5.8–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
46		<b>Nepeta</b> <i>x faassenii</i>	Junior Walker	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
49		<b>Penstemon</b> <i>hybrid</i>	Quartz™ Series: Amethyst, Rose	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
49		<b>Penstemon</b> <i>x hybrida</i>	Cherry Sparks	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
49		<b>Penstemon</b> <i>hybrid</i>	Little Bells	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
51		<b>Penstemon</b> <i>x hybrida</i>	MissionBells™ Deep Rose	5.8–6.2	Nights: 45 to 70°F (7 to 21°C) Days: 55 to 80°F (13 to 27°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
51		<b>Penstemon</b> <i>hybrid</i>	Rock Candy®	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
52		<b>Perovskia</b> <i>atriplicifolia</i>	CrazyBlue, Little Lace	5.6–6.2	Nights: 55 to 65°F (13 to 18°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	
59		<b>Rhodanthemum</b> <i>hosmariense</i>	Casablanca, Marrakech	5.8–6.2	Nights: 45 to 50°F (7 to 10°C) Days: 55 to 60°F (13 to 16°C)	3,500 to 5,000	Allow media to dry regularly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Recommended	

\* See DarwinPerennials.com

	Plant Growth Regulators	Pests and Fungal Diseases	Crop Schedule & Uses					
			1-qt. (10-cm) pot, 1 plant per pot	1-gal. (15-cm) pot, 1 plant per pot	2 to 3-gal. (25 to 30-cm) pot, 3 plants per pot	Height	USDA Hardiness Zones	Bloom Months
	PGRs generally not needed	Aphids, spider mites, <i>Rhizoctonia</i>	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	8-10 in. (20-25 cm)	4 to 9	May-June
	PGRs generally not needed	May experience root rot diseases under poor growing conditions. Aphids	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 16-18 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	8-10 in. (20-25 cm)	7 to 10	Jan-Aug
	PGRs generally not needed	Aphids	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 16-18 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	10-12 in. (25-30 cm)	6 to 9	Apr-Aug
	PGRs generally not needed	<i>Thielaviopsis</i> , <i>Pythium</i> and <i>Rhizoctonia</i> can result from overwatering. Thrips, white fly, aphids, fungus gnats	Unrooted: 14-16 wks Rooted: 7-8 wks	Unrooted: 16-19 wks Rooted: 9-11 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	10-12 in. (25-30 cm)	5 to 8	June-Aug
	PGRs generally not needed	<i>Thielaviopsis</i> , <i>Pythium</i> and <i>Rhizoctonia</i> can result from overwatering. Thrips, white fly, aphids, fungus gnats	7-10 wks	9-11 wks, 1-3 ppp	10-12 wks, 3-5 ppp	14-18 in. (35-45 cm); Silver Anouk: 20-24 in. (50-60 cm)	6 to 9	Mar-July; Anouk and Silver Anouk: Mar-Sept
	PGRs generally not needed	Watch for leaf spots when growing in wet conditions.	Not recommended	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	22-26 in. (56-66 cm)	4 to 9	June-Aug
	PGRs generally not needed	Powdery mildew may be present if grown under poor air circulation and high humidity. White fly, spider mites	Unrooted: 12-14 wks Rooted: 8-10 wks	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 14-16 wks Rooted: 12-14 wks	10-12 in. (25-30 cm)	4 to 9	June-July
	PGRs generally not needed	White fly	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	18 in. (45 cm)	5 to 8	May-Sept
	PGRs generally not needed	Spider mites	Not recommended	Unrooted: 19-22 wks Rooted: 12-14 wks	Unrooted: 21-23 wks Rooted: 14-16 wks	20-24 in. (50-60 cm)	6 to 9	July-Aug
	PGRs generally not needed	White fly, spider mites	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	18-20 in. (45-50 cm)	5 to 9	May-Aug
	PGRs generally not needed	Spider mites	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	16 in. (40 cm)	6 to 9	June-July
	PGRs generally not needed	White fly, spider mites	Not recommended	Rooted: 10-12 wks	Rooted: 12-14 wks	20-24 in. (50-60 cm)	5 to 9	June-Aug
	PGRs generally not needed	Spider mites	Unrooted: 10-14 wks Rooted: 8-10 wks	Unrooted: 15-17 wks Rooted: 10-12 wks	Unrooted: 19-22 wks Rooted: 12-14 wks	12 in. (30 cm)	6 to 8	June-Sept
	PGRs generally not needed	<i>Pythium</i> can be a problem if overwatered. White fly, spider mites	Not recommended.	Unrooted: 14-16 wks Rooted: 10-12 wks	Unrooted: 14-16 wks Rooted: 10-12 wks	CrazyBlue: 16-18 in. (40-45 cm) Little Lace: 12-18 in. (30-45 cm)	4 to 9	CrazyBlue: July-Aug Little Lace: July-Sept
	B-Nine 1,500 ppm/Cycocel 800 ppm tank mix will reduce petiole stretch on Marrakech	White fly, spider mites, <i>Botrytis</i>	Unrooted: 15-17 wks Rooted: 10-12 weeks	Unrooted: 16-18 wks, 1 ppp Rooted: 12-14 wks	Unrooted: 16-18 wks, 3 ppp Rooted: 12-14 wks	Marrakech: 12-14 in. (30-35 cm) Casablanca: 10-12 in. (25-30 cm)	8 to 10	Mar-May and Sept-Oct

# Darwin Perennials Finishing Guide

Page		Crop	Series/ Variety	Media pH	Temperature	Light Levels in Foot Candles	Watering	Fertilization	Pinching After Transplant	
65		<b>Salvia</b> <i>greggii</i>	Mirage™	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	3,000 to 5,000	Allow media to dry moderately between watering.	Use a balanced fertilizer of 150 to 175 ppm.	Yes	
87		<b>Salvia</b> <i>greggii</i>	Radio Red	5.8–6.2	Nights: 45 to 70°F (7 to 21°C) Days: 55 to 80°F (13 to 27°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Once for smaller pot sizes, twice for larger containers	
61		<b>Salvia</b> <i>hybrid</i>	Arctic Blaze™	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer of 150 to 175 ppm.	Yes	
63		<b>Salvia</b> <i>hybrid</i>	Suncrest	5.8–6.2	Nights: 55 to 70°F (13 to 21°C) Days: 60 to 80°F (15 to 27°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer of 150 to 175 ppm.	Yes	
*		<b>Salvia</b> <i>nemorosa</i>	Blue Marvel	5.8–6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	None	
65		<b>Salvia</b> <i>nemorosa</i>	Burgundy Candles	5.8–6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
67		<b>Salvia</b> <i>nemorosa</i>	Lyrical™	5.8–6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
71		<b>Scabiosa</b> <i>columbaria</i>	Flutter™	5.8–6.2	Nights: 45 to 55°F (7 to 13°C) Days: 55 to 65°F (13 to 18°C)	5,000 to 8,000	Allow media to dry moderately between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
83		<b>Veronica</b> <i>austriaca</i>	Venice Blue	5.8–6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
84		<b>Veronica</b> <i>x hybrida</i>	Purpleicious	5.8–6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
83		<b>Veronica</b> <i>repens</i>	Moody Blues®	5.8–6.2	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced fertilizer at a rate of 125 to 150 ppm.	Yes	
85		<b>Viola</b> <i>cornuta</i>	Blackout	5.5–5.8	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced Pansy/Viola fertilizer at a rate of 125 to 150 ppm.	Recommended	
85		<b>Viola</b> <i>cornuta</i>	Halo	5.5–5.8	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced Pansy/Viola fertilizer at a rate of 125 to 150 ppm.	Recommended	
86		<b>Viola</b> <i>x hybrida</i>	Jumping Jack	5.5–5.8	Nights: 50 to 55°F (10 to 13°C) Days: 60 to 65°F (16 to 18°C)	5,000 to 8,000	Allow media to dry slightly between watering.	Use a balanced Pansy/Viola fertilizer at a rate of 125 to 150 ppm.	Recommended	

• See DarwinPerennials.com

	Plant Growth Regulators	Pests and Fungal Diseases	Crop Schedule & Uses					
			1-qt. (10-cm) pot, 1 plant per pot	1-gal. (15-cm) pot, 1 plant per pot	2 to 3-gal. (25 to 30-cm) pot, 3 plants per pot	Height	USDA Hardiness Zones	Bloom Months
	PGRs generally not needed	White fly, thrips	Rooted: 6–8 wks	Rooted: 8–10 wks	Rooted: 12–14 wks	12–14 in. (30–25 cm)	7 to 9	Mar–Sept
	PGRs generally not needed	White fly, spider mites	Unrooted: 12–14 wks Rooted: 8–10 wks	Unrooted: 14–16 wks Rooted: 10–12 wks	Unrooted: 16–18 wks Rooted: 12–14 wks	16–18 in. (40–45 cm)	7 to 10	Mar–Sept
	PGRs generally not needed	Thrips	Not recommended	Unrooted: 14–16 wks Rooted: 10–12 wks	Unrooted: 16–18 wks Rooted: 12–14 wks	24 in. (60 cm)	6 to 11	Mar–Sept
	PGRs generally not needed	Thrips	Not recommended	Unrooted: 14–16 wks Rooted: 10–12 wks	Unrooted: 16–18 wks Rooted: 12–14 wks	Compact: 10–15 in. (25–38 cm) Landscape: 24–36 in. (60–90 cm)	7 to 11	Mar–Sept
	PGRs generally not needed	White fly, spider mites, <i>Botrytis</i>	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 15–17 wks Rooted: 10–12 wks	Unrooted: 17–19 wks Rooted: 12–14 wks	10–12 in. (25–30 cm)	4 to 9	Mar–Sept
	PGRs generally not needed	White fly, spider mites, <i>Botrytis</i>	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 15–17 wks Rooted: 10–12 wks	Unrooted: 17–19 wks Rooted: 12–14 wks	26–28 in. (66–70 cm)	4 to 9	Mar–Sept
	PGRs generally not needed	White fly, spider mites, <i>Botrytis</i>	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 15–17 wks Rooted: 10–12 wks	Unrooted: 17–19 wks Rooted: 12–14 wks	22–24 in. (56–60 cm)	4 to 9	Mar–Sept
	PGRs generally not needed	White fly, spider mites, <i>Botrytis</i>	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 15–17 wks Rooted: 10–12 wks	Not recommended	12–18 in. (30–45 cm)	5 to 9	Mar–Sept
	PGRs generally not needed	Aphids	Unrooted: Plant by week 40 (North), week 45 (South) Rooted: Stick by week 35 (North), week 40 (South)	Unrooted: Plant by week 35 (North), week 40 (South) Rooted: Stick by week 30 (North), week 35 (South)	Unrooted: Plant by week 32 (North), week 37 (South) Rooted: Stick by week 28 (North), week 32 (South)	10–12 in. (25–30 cm)	4 to 9	Mar–Apr
	PGRs generally not needed	Aphids, white fly	Not recommended	Unrooted: Plant by week 35 (North), week 40 (South) Rooted: Stick by week 30 (North), week 35 (South)	Unrooted: Plant by week 32 (North), week 37 (South) Rooted: Stick by week 28 (North), week 32 (South)	16–20 in. (40–50 cm)	5 to 8	June–Aug
	PGRs generally not needed	Aphids, white fly	Unrooted: 10–14 wks Rooted: 8–10 wks	Unrooted: 14–16 wks Rooted: 10–12 wks	Unrooted: 16–18 wks Rooted: 12–14 wks	12–14 in. (30–35 cm)	4 to 9	Jun–Oct
	PGRs generally not needed	Watch for <i>Thielaviopsis</i> and <i>Pythium</i> . White fly, spider mites	Unrooted: 11–13 wks Rooted: 6–8 wks	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 13–15 wks Rooted: 8–10 wks	5–6 in. (13–15 cm)	5 to 9	Apr–Oct
	PGRs generally not needed	Watch for <i>Thielaviopsis</i> and <i>Pythium</i> . White fly, spider mites	Unrooted: 11–13 wks Rooted: 6–8 wks	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 13–15 wks Rooted: 8–10 wks	8–10 in. (20–25 cm)	5 to 9	Feb–Apr, Sept–Oct
	PGRs generally not needed	Watch for <i>Thielaviopsis</i> and <i>Pythium</i> . White fly, spider mites	Unrooted: 11–13 wks Rooted: 6–8 wks	Unrooted: 13–15 wks Rooted: 8–10 wks	Unrooted: 13–15 wks Rooted: 8–10 wks	8–10 in. (20–25 cm)	5 to 9	Feb–Apr, Sept–Oct

# 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 Saturated Media Extract (SME) method.

## FERTILIZATION

Perennials can be fed using liquid fertilizers on a periodic or constant feed basis. Liquid fertilizer rates can be found in the Perennial Finishing Guide. Use a balanced formula that complements the pH and alkalinity of your irrigation water. Liquid fertilizing offers advantages of greater flexibility and control over fertility levels but can be difficult to administer economically when overhead irrigation is used. In the case of overhead irrigation, controlled release fertilizers (CRF) are preferable. Incorporate CRF into the media prior to planting based on manufacturer's recommendations or top-dress after planting.

## SPACING

Spring-planted perennials should be spaced to finished spacing after transplant. This allows better growing conditions and helps to avoid overcrowding and stretch. The added airflow will help reduce foliar diseases and allow for better insect control.

Fall-planted perennials can be spaced at transplant in temperate climates or placed pot-tight in climates where temperatures cause containers to freeze. In either case, proper spacing for the anticipated finished size of the plant will dramatically improve plant quality and reduce labor.

## INSECTS AND DISEASES

Incoming perennial liners or cuttings should be inspected for pests and diseases. Apply appropriate treatments as needed.

After transplant, regular scouting and careful observation is critical to maintaining a healthy crop. The practice of integrated pest management (IPM) will reduce losses and pesticide costs by identifying and correcting problems before they escalate. If a pesticide treatment is necessary, please refer to the manufacturer's label regarding proper usage. It is always a good practice to test new varieties for phytotoxicity when making pesticide applications.

## VERNALIZATION AND BULKING

A number of perennial species require a period of cold temperature exposure to flower. The length of time varies from just a few weeks below 50°F (10°C) to as much as 10 weeks below 40°F (4°C). Generally speaking, early Spring-flowering perennials like *Phlox subulata*, *Iberis* and *Alyssum* require a cold period to flower. Many perennials such as *Salvia nemorosa*, *Monarda* and *Phlox paniculata* do not require vernalization to flower but do benefit from a cold, short day bulking period. In these cases, Summer or Fall planting increases root and crown mass and the corresponding flowering shoots on the plants. It has also been shown to hasten flowering in many species by up to four weeks.

## OVERWINTERING

The keys to success when overwintering perennials are:

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

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

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

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Liner



Liner Tray

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