



# DarwinPerennials.























# 2025 NEW VARIETIES

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| 1.  | Coreopsis UpTick™<br>Gold19                |
|-----|--|
| 2.  | Digitalis Arctic Fox™<br>Lemon Cream21     |
| 3.  | Phlox Spring Splash™<br>Lilac58            |
| 4.  | Phlox Spring Splash™<br>Pink58             |
| 5.  | Veronica Skyward™<br>Lilac72               |
| 6.  | Echinacea Sombrero®<br>Fuchsia Fandango26  |
| 7.  | Phlox Spring Splash™<br>Violet58           |
| 8.  | Delosperma Ocean Sunset™<br>Violet Flare20 |
| 9.  | Echinacea Sombrero®<br>Mandarin Mambo26    |
| 10. | Lavandula Lavinnova®<br>Frost Pink40       |
| 11. | Lavandula Lavinnova®<br>Frost Purple40     |
| 12. | Agastache Summerlong™<br>Coral15           |
| 13. | Agastache Summerlong™<br>Lemon15           |
| 14. | Agastache Summerlong™<br>Magenta15         |
| 15. | Sedum<br>Shamrock70                        |
| 16. | Achillea New Vintage™<br>Terracotta13      |
| 17. | Lavandula Anouk<br>Burgundy38              |
| 18. | Lavandula Anouk<br>Doublescape38           |
| 19. | Lavandula Anouk<br>Royal Anouk38           |

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

Our production team is intense about executing all the details to provide consistent and reliable supply.

Our *marketing team* gets crazy-excited about finding the best ways to share stories about our plants.

Our technical team listens to your challenges and aspirations and brings that back to the development team.

The *development team* works hard to make sure the products we bring forward are solution oriented.

During our trialing, we collect as much information as possible to share with you the culture you need to grow the best plants possible.

Beyond bringing exceptional products to market, our entire team is passionate about helping you, our customers, grow great plants. That's why we put so much emphasis on providing education and easy-to-use production resources.

For example, our YouTube channel is the go-to place for production education and getting a look at new varieties.

Our Facebook videos are all about giving you a view of our in-person events, even if you can't attend.

And finally, our www.firstyearfloweringtool.com is a one-of-a-kind collaboration with Kieft Seed to bring the most comprehensive scheduling to a digital interface that is easy to use and fully accessible.

We can introduce great new perennials but – at the end of the day – it's really you, our customer, who has the opportunity to Color the World with perennials. We hope this catalog provides inspiration to build your ideas and ignite your passion for this coming year.



Sincerely,

Seth R. Reed Sales & Marketing Manager

630 588-3473

SReed@darwinperennials.com

### DARWIN **PERENNIALS**

#### **VARIFTIFS**

| Achillea     | 13-14     |
|--------------|-----------|
| Agastache    | 15-16     |
| Artemisia    | 17        |
| Caryopteris  | 18        |
| Coreopsis    | 19        |
| Delosperma   | 20        |
| Dianthus     | 22-23     |
| Digitalis    | 21        |
| Echinacea    | 24-28     |
| Eupatorium   | 29        |
| Grasses      | 30        |
| Heliopsis    | 31        |
| Heuchera     | 32-33     |
| lberis       | 34        |
| Kniphofia    | 35        |
| Lavandula    | 36-40     |
| Leucanthemum | 41-42     |
| Monarda      | 43-45     |
| Nepeta       | 47-50     |
| Penstemon    | 51-52     |
| Perovskia    | 53        |
| Phlox        | 54-56, 58 |
| Polemonium   | 59        |
| Salvia       | 60-67     |
| Sedum        | 68-70     |
| Stachys      | 71        |
| Veronica     | 72-73     |
| Viola        | 74        |

#### ICONS



Attracts Hummingbirds



Deer Resistant



Cut Flower



Award Winner



FirstYearFloweringTool.com

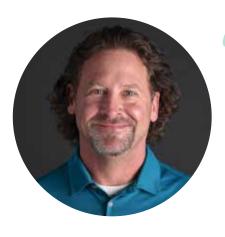
# We are here to help you grow better plants.

# Just ask our experts!



66 I love helping with propagation techniques. My 30 years in production have helped bring firsthand experience to customers.

Christopher Fifo
Products Representative
Cfifo@darwinperennials.com



I have worked in many facets of the perennials industry. I enjoy helping growers build better programs and can provide helpful production tips.

# **Darren Barshaw**Products Representative Dbarshaw@darwinperennials.com



Looking for help after business hours? Check out our YouTube channel youtube.com/@darwinperennials.

# Which one would you ship?

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





Don't guess. Visit **FirstYearFloweringTool.com** 





# Better Blooming. Better Performance. Better Availability.

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







# Lavender 'SuperBlue'

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

pg 37

### Nepeta Junior Walker™

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

pg 49

# Salvia 'Blue by You'

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

pg 64







## **Attracting** hummingbirds is every gardener's dream come true!

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

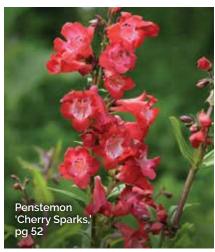
| Agastache | 15-16 |
|-----------|-------|
| Digitalis | 21    |
| Heuchera  |       |
| Monarda   | 43-46 |
| Nepeta    | 47-50 |
| Penstemon | 51-52 |
| Perovskia | 53    |
| Phlox     | 54-58 |
| Salvia    | 60-67 |
| Veronica  | 72-73 |
|           |       |



To find hummingbird attractors throughout the catalog, look for this icon!











The Journey of a cutting starts here...

# **Darwin Colombia**

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





Take a virtual tour of Darwin Colombia and see how we deliver to you *in full and on time*.



DarwinPerennials.

Darwin Colombia | 7

## Genesis™ Callused Cuttings

# **Mean More Success**

### The benefits of Genesis callused cuttings include:

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

#### **Reduced Crop Time and Decreased Loss**

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

#### Available as Genesis **Callused Cuttings**

| Artemisia | 17    |
|-----------|-------|
| Iberis    | 34    |
| Lavandula | 36-40 |
| Perovskia | 53    |
| Salvia    | 60-67 |
| Veronica  | 72-73 |
| Viola     | 7/    |

Check our website, darwinperennials.com, for the most current list.





Lavandula Primavera **Unrooted Cuttings** at 2 weeks



Lavandula Primavera

**Callused Cuttings** 

at 2 weeks



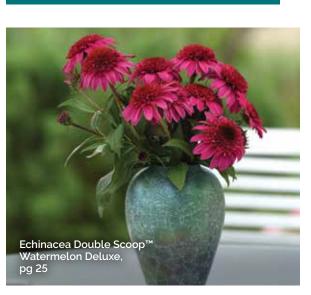


## **Bouquets for Days**

Take advantage of the cut flower garden trend by adding these top-performing perennials to your program:

| Achillea     | 13-14 |
|--------------|-------|
| Digitalis    |       |
| Echinacea    | 24-28 |
| Lavandula    | 36-40 |
| Leucanthemum | 41-42 |
| Monarda      | 43-46 |
| Perovskia    | 53    |
| Phlox        | 54-58 |
| Salvia       | 60-67 |
| Veronica     | 72-73 |











# 2025 DARWIN PERENNIALS TEAM



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# pg 35







## **TEAM FAVORITES**

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

#### **Karl Batschke**

"Knifphofia Glowstick is my favorite because it has a really long bloom time from midsummer until frost. When it's not blooming, it has an attractive, fine, grass-like foliage. It is unique because it is available as an unrooted cutting. It is such a super-cool plant!"

#### **Seth Reed**

"Prelude™ Blue is a newer-to-the-market species of Nepeta with bigger leaves and flowers that add a dramatic look to the landscape. Lovely blueish-purple flowers appear in dense clusters from Spring into Summer and draw in a range of pollinators."

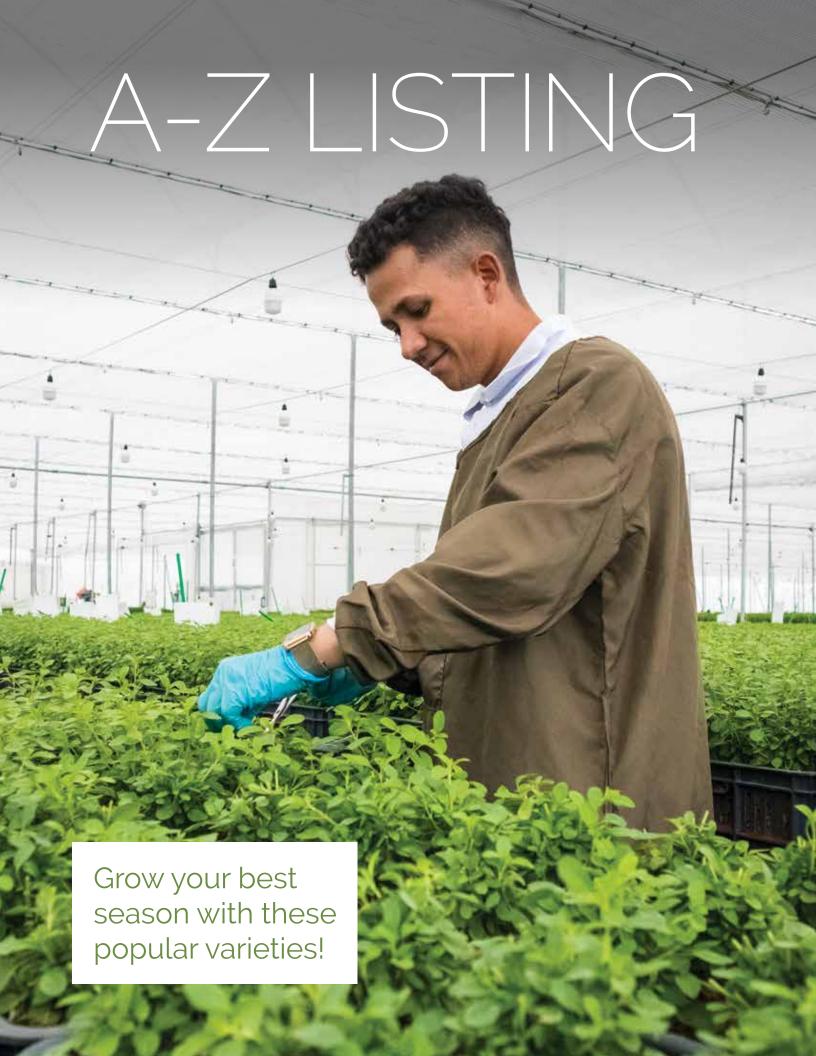
#### Sarah Greenwood

"My favorite Darwin Perennial is Veronica Skyward™, especially the beautiful **NEW Lilac.** Skyward is an outstanding improvement upon the medium-sized Veronica that's on the market. Skyward has a higher flower count, tougher mildew resistance and a stronger, upright habit that stands up to garden center traffic without breaking open."

#### **Christopher Fifo**

"I love all our new Double Scoop™ Deluxe varieties, with Watermelon being the standout for me. The color, the flowers and the flower types are so amazing, they almost look fake! Every plant is uniform, with exceptional branching. The self-cleaning flowers last quite a long time, which means an extended shelf life. They're so easy to produce!"

#### **Darren Barshaw**





ACHILLEA 🜕 (YARROW) Achillea millefolium

**DARWIN PERENNIALS** 

NEW VINTAGE™ SERIES **%**%



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

- · Bold colors mature to attractive shades instead of fading to brown, like other varieties.
- Great for late-Spring, 2.5-qt. and 1-gal. programs.

Red 'Balvinred' PP25,618 Rose 'Balvinrose' PP25,712

**NEW Terracotta** Masses of bold, terracotta-orange flowers on lacy foliage age to a complementary champagne-yellow color. Blooms attract pollinators. 'Balvinterra'

TOP SELLER Violet 'Balvinolet' PP25,750



'Balvinwite' PP25,711

Tidy plant habit with no gap between foliage and flowers - outstanding in landscape.











ACHILLEA 🜕 (YARROW)

Achillea millefolium FLORENSIS, B.V.

Florensis

MILLY ROCK™ SERIES





FirstYearFloweringTool.com for easy scheduling

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

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

Red 'FLORACHRE1' PP31,757

#### **TOP SELLER** Rose

'FLORACHRO1' PP31,620

Yellow (pictured right) 'FLORACHYEO' PP33,259

#### Yellow Terracotta

'FLORACHYE2' PP35,113

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

#### Compact plant looks great in containers.

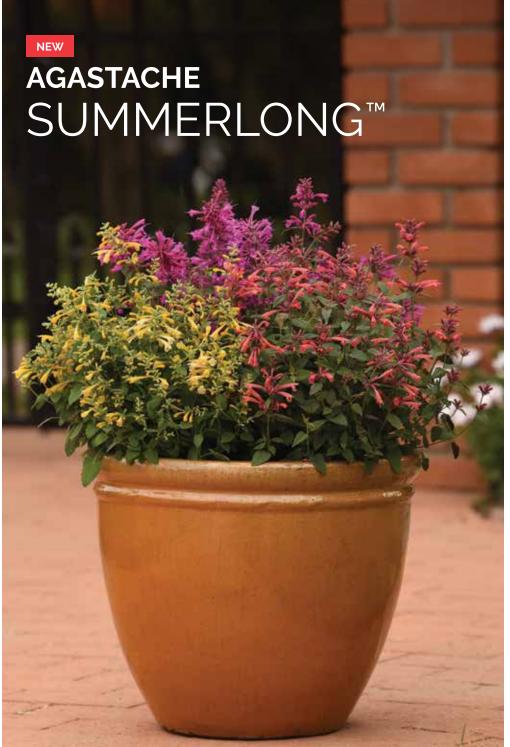






Yellow Terracotta





AGASTACHE (MEXICAN GIANT HYSSOP)

Agastache mexicana

DARWIN PERENNIALS **NEW FOR 2025** 

SUMMERLONG™ **→ ®** 

FirstYearFloweringTool.com for easy scheduling

**Height:** 16 to 22 in. (23 to 30 cm) **Bloom Months:** April to September **USDA Hardiness Zones:** 7a to 10b

- Earlier to bloom and longer lasting in full bloom for an extended sales window and better garden performance.
- Easy to use in mixed deco pots for higher sales value.

**Coral** Features delightful salmon-pink flowers. 'Balsumlora' PPAF

**Lemon** Shines with yellow flowers. 'Balsumlem' PPAF

**Lilac** Features pink-lilac flowers. 'Balsumlilac'

Magenta Boasts purple-pink flowers. 'Balsumlmag'

Peach Sparkles with peach-colored flowers.

'Balsumleac' PPAF

Ideal for pollinator and Fall programs.



Coral



Coral, Lemon and Lilac

Lilac



Magenta



Peach

DarwinPerennials.

Lemon

AGASTACHE 🔵 (ANISE HYSSOP, **HUMMINGBIRD MINT)** 

Agastache rugosa

DARWIN PERENNIALS





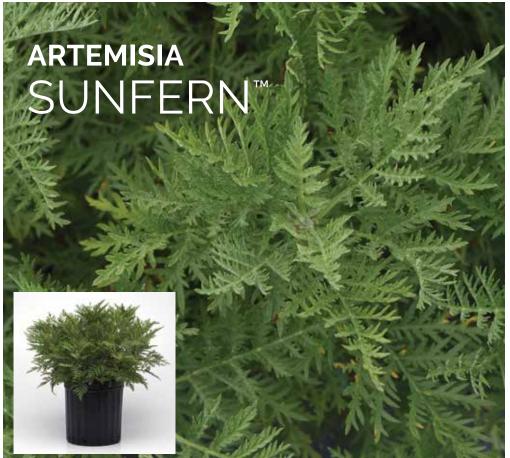


Height: 15 to 18 in. (38 to 46 cm) **Bloom Months:** April to September USDA Hardiness Zones: 5a to 9b PP26,514

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

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





ARTEMISIA • (RUSSIAN WORMWOOD)
Artemisia gmelinii

DARWIN PERENNIALS

#### SUNFERN™ COLLECTION



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

- This unique herbaceous perennial works as a companion plant in a container or in the landscape.
- Plants are non-invasive and won't spread.
- Low maintenance and drought tolerant.

Arcadia Height: 14 to 16 in. (36 to 41 cm) Features medium green leaves. 'Balfernarc' PP33.774 Olympia Height: 16 to 18 in. (41 to 46 cm) Dark green leaves with red stems. 'Balfernlym' PP33.775

Arcadia



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



Olympia

Olympia





Caryopteris 'Emerald Crest'

Caryopteris 'Gold Crest'

#### CARYOPTERIS | (BLUEBEARD)

Caryopteris x clandonensis

#### **DARWIN PERENNIALS**

#### **'EMERALD CREST'**



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

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

- · A rare bright blue for Fall programs.
- Dense flower clusters in late Summer and Fall attract pollinators.
- · Compact plant has glossy green leaves and a nice, mounded habit.

#### **DARWIN PERENNIALS**

#### 'GOLD CREST'





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

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

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

#### DARWIN PERENNIALS

#### **GRAND BLEU®**





Height: 48 in. (122 cm) **Bloom Months:** August to October USDA Hardiness Zones: 6a to 9b

#### One of the best blue Caryopteris on the market.

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



Caryopteris Grand Bleu



#### COREOPSIS O (TICKSEED)

Coreopsis hybrida

DARWIN PERENNIALS

#### **UPTICK™ SERIES**





FirstYearFloweringTool.com for easy scheduling **Height:** 12 to 14 in. (30 to 36 cm)

Bloom Months: March to November USDA Hardiness Zones: 5a to 9b

- Tidy, mounded habit is easier to ship and shows better at retail.
- · Keeps its shape and continuous color - in the landscape all Summer long.
- Low maintenance and very mildew resistant.

Cream This clean, creamy white is highly desired for landscape design. 'Balupteam' PP28,964

Cream & Red 'Balupteamed' PP28.866

**NEW Gold** Large, golden-yellow flowers are ideal for deco pots. 'Baluptold' PPAF

#### **TOP SELLER** Gold & Bronze

'Baluptgonz' PP28,882

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

Yellow & Red 'Baluptowed' PP28,865

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





**TOP SELLER** Gold & Bronze





Gold

## DELOSPERMA (ICE PLANT)

Delosperma hybrida

**DARWIN PERENNIALS** 

## OCEAN SUNSET™ SERIES





FirstYearFloweringTool.com for easy scheduling

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

- · High flower count per plant, with large flowers on a great habit.
- · Outstanding perfomer in pots, with showy flowers that close at night and open mid-morning.
- The intense, vivid colors are ideal in rock gardens and borders.
- Very drought tolerant once established.

#### TOP SELLER Orange Glow

'T1873' PP34,674

Orange Vibe (pictured right) 'T1821' PP34,943

Violet 'T1854' PP34,730

**NEW Violet Flare** Iridescent purple-pink flowers on a low, mounded habit. PPAF



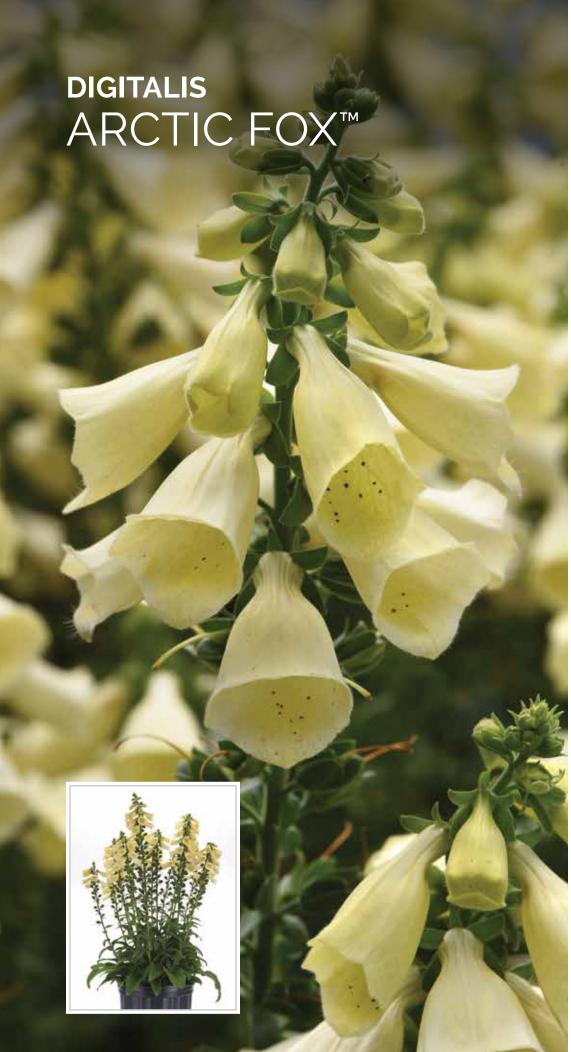
Orange Glow





Violet Flare





DIGITALIS (FOXGLOVE)

Digitalis hybrida

**DARWIN PERENNIALS** 

ARCTIC FOX™ SERIES **\* % X** 



FirstYearFloweringTool.com for easy scheduling

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

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

**NEW Lemon Cream** (pictured left) Tall stems of light yellow flowers attract pollinators all Summer. A thriller in large combo pots.

Deer resistant. 'Balroxleam' PPAF



TOP SELLER Rose

'Balroxose' PP31,900

A true perennial, offering Winter hardiness with Summer-long blooming.



Rose

## DIANTHUS (CHINA PINKS, CHEDDAR PINKS)

Dianthus hybrida

**DARWIN PERENNIALS** 

#### MOUNTAIN FROST™ COLLECTION



#### Available as URCs or liners

**Height:** Varies by variety **Bloom Months:** March to October **USDA Hardiness Zones:** 4b to 9a

- This standout collection will rebloom consistently from early Spring until Fall.
- Requires no vernalization to flower.
- Tolerant of rainy and wet conditions.
- Tidy, mounding habit is great for landscape borders.
- Ideal for 2.5-qt. and 1-gal. pot sizes.

Mountain Frost
Dianthus are the
perfect combination of
delicate yet sturdy, with
dainty, ruffled petals
displaying bright, bold
color combinations.



# Pink Carpet





#### **SPREADING**

**Pink Carpet** Height: 6 to 8 in. (15 to 20 cm) A burst of bright pink color and strong, green foliage. 'KonD1010K2' PP30,246

Pink PomPom Height: 6 to 8 in. (15 to 20 cm) Double rose-pink flowers with dark green foliage. 'KonD1014K3' PP30,190

Pink Twinkle Height: 6 to 8 in. (15 to 20 cm) Bright, bicolor pink flowers with silvery-green foliage. 'KonD1060K3' PP30,105

White Twinkle Height: 5 to 6 in. (13 to 15 cm) Bright, bicolor white and pink flowers with silvery-gray foliage. 'KonD1060K1' PP30,218



White Twinkle

#### **MOUNDING**

Red Garnet Height: 6 to 8 in. (15 to 20 cm) Silver-gray foliage with deep red flowers that don't fade in the heat or sun. 'KonD1335K1' PP32,362

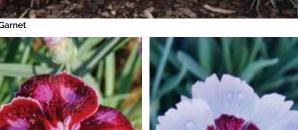
Rose Bouquet (also pictured on page 22) Height: 10 to 12 in. (25 to 30 cm) Extra-large, deep rose flowers with dark green foliage. 'KonD1044K2' PP30,274

**Ruby Glitter** Height: 6 to 8 in. (15 to 20 cm) Non-fading red blooms with cream-white blotches and silver-gray foliage. 'KonD1400K6' PP33,461

Ruby Snow Height: 6 to 8 in. (15 to 20 cm) Silver-gray foliage and white blooms with red eyes. Flowers don't fade in the heat or sun. 'KonD1400K4' PP33,460

Silver Strike Height: 8 to 10 in. (20 to 25 cm) Bright, bicolor pink flowers with silver-gray foliage. 'KonD1039K1' PP30,079

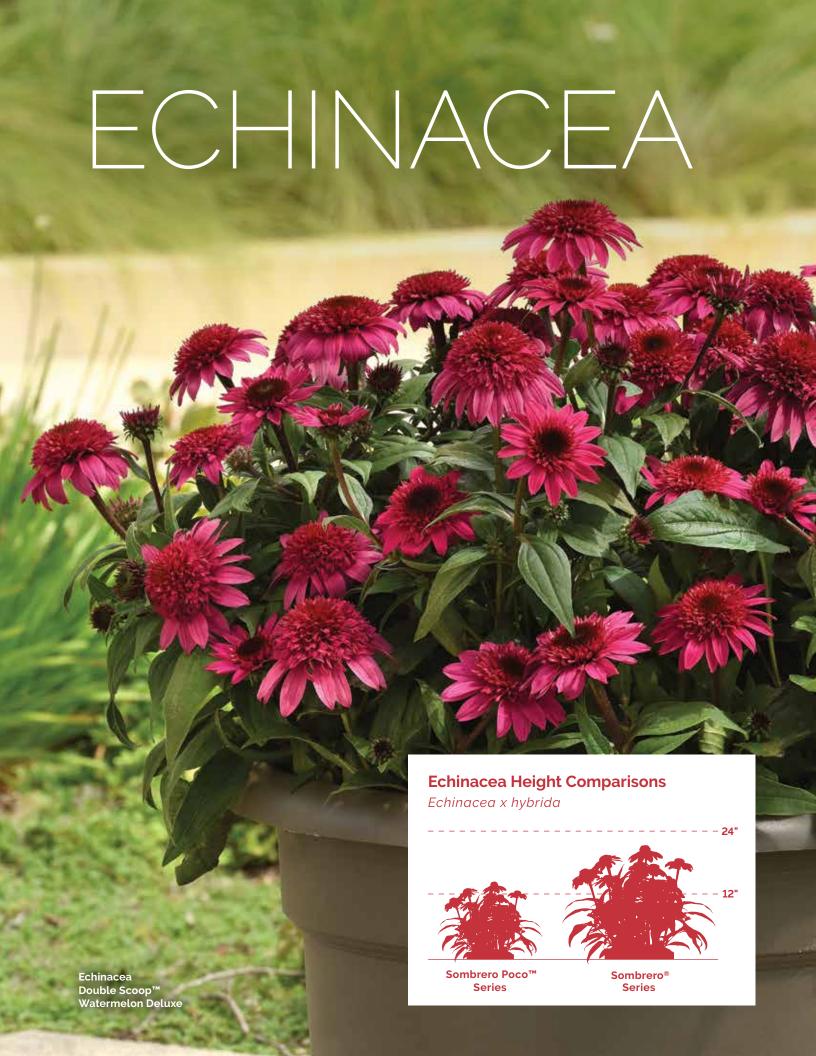








DIANTHUS | 23 **Ruby Glitter** Silver Strike





Echinacea x hybrida



FirstYearFloweringTool.com for easy scheduling

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

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

PP23,103; US7,982,110

Lemon Cream 'Balsclemc'

PP26,640; US7,982,110

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

Strawberry Deluxe A glamorous, deep red color. 'Balscawbux' PPAF;



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

Hot pink with an almost black eye when first opening. 'Balscmelux' PPAF; US7,982,110





**Bubble Gum** 



Cranberry





Mandarin Raspberry Deluxe



Watermelon Deluxe

#### ECHINACEA 🜕 (CONEFLOWER)

Echinacea x hybrida

#### DARWIN PERENNIALS SOMBRERO® SERIES





FirstYearFloweringTool.com for easy scheduling

Available as tissue culture-raised liners

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

- · Highly floriferous series is naturally well-branched and compact for easy shipping.
- Excellent retail presentation.
- $\boldsymbol{\cdot}$  Well-matched in habit and timing.
- · Ideal for 2.5-qt. pot size.

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



Fuchsia Fandango



Baja Burgundy



Blanco



Mandarin Mambo



Fiesta Orange







**NEW Fuchsia Fandango** (pictured on page 26) Showcasing a canopy of stunning, vibrant pink blooms. 'Balsomfand' US7,982,110

**TOP SELLER** Adobe Orange 'Balsomador' PP26,639; US7,982,110 **Baja Burgundy** 

Fiesta Orange Bold, non-fading orange with single and semi-double characteristics. 'Balsomstor' PP33.170: US7.982.110 Flamenco Orange 'Balsomenco' PP25,523; US7,982,110

'Balsomblanc'

(pictured on page 26) 'Balsombabur' PP28,162; US7,982,110 Blanco (pictured on page 26)

Granada Gold Rich, golden yellow, non-fading color. 'Balsomold' PP30,115; US7,982,110

#### TOP SELLER Lemon Yellow

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

**NEW Mandarin Mambo** (pictured on page 26) Next-level flower coverage and petal overlap, with bold orange flowers that fade to peach. 'Balsomambo' US7,982,110

Rosada Bright rose-pink flowers with dark purple stems. Suitable for garden and cut flower use. 'Balsomrosa' PP33,011; US7,982,110

#### TOP SELLER Salsa Red

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

Sangrita Scarlet-red with burgundy-red flower stems. 'Balsomanita' PP30,138; US7,982,110

#### **Summer Solstice**

Bright yellow flowers with a white ring around the center cone. 'Balsomsolst' PP31,818; US7,982,110

#### **Tres Amigos**

Shows three colors at once! Flowers open to peachy-coral, age to rose and fade to burgundy. 'Balsomtresgo' PP30,750; US7,982,110



Flamenco Orange



**TOP SELLER** 

Rosada



Sangrita



Summer Solstice



Tres Amigos



Salsa Red



#### ECHINACEA 🜕 (CONEFLOWER)

Echinacea x hybrida

**DARWIN PERENNIALS** 

#### **SOMBRERO POCO™ SERIES**



FirstYearFloweringTool.com for easy scheduling

Available as tissue culture-raised liners

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

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

- · Sturdy plants are covered in blooms with bright, rich colors.
- · Compact, for better forcing and greenhouse growing performance.
- · Well-matched in habit and timing.
- · Plant in Spring and sell the same year.

#### TOP SELLER Hot Coral

'Balsomcor' PP23,097; US7,982,110

Hot Pink 'Balsompotin' PP35,164; US7,982,110

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

Yellow Unique, non-fading flowers last for weeks. 'Balsompocel' US11,297,788; US7.982.110



Hot Coral



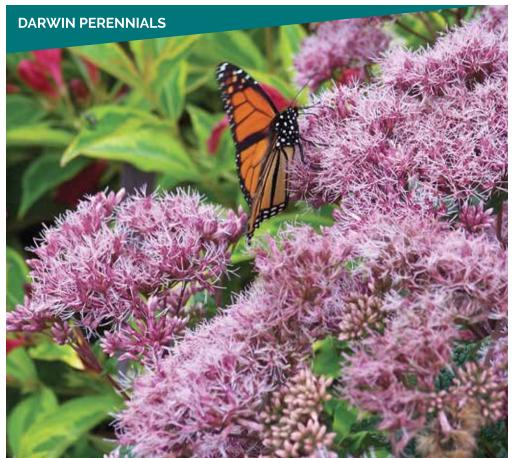
Hot Pink











## EUPATORIUM O (JOE-PYE WEED)

Eupatorium dubium

DARWIN PERENNIALS

#### 'LITTLE JOE'





**Bloom Months:** July to September USDA Hardiness Zones: 3a to 9b

PP16,122

#### Strong, sturdy stems won't flop!

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

Eupatorium 'Little Joe



EUPATORIUM (JOE-PYE WEED) Eupatorium purpureum

FLORENSIS, B.V.

Florensis

#### EUPHORIA™ RUBY





**Height:** 24 to 32 in. (61 to 81 cm) Bloom Months: July to October USDA Hardiness Zones: 4a to 9a

'FLOREUPRE1' PP31,668

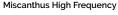
Flowers earlier in the Summer than typical Joe-Pye Weed varieties.

- · Bloom time extends well into late Summer and Fall.
- One of the first compact Eupatorium for the modern garden landscape.
- Very attractive to pollinators and butterflies.
- · Ideal for 2.5-qt. and 1-gal. pot sizes.

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

Eupatorium Euphoria Ruby









Height: 30 to 36 in. (76 to 91 cm) Bloom Months: October to

banded foliage provides interest in the garden.

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

Height: 72 to 102 in. (183 to 259 cm)

November

'NCMS1' CPBR6485; PP26,387

A non-invasive, infertile hybrid Maiden Grass.

in the landscape.



#### PANICUM 🜗 (SWITCH GRASS)

Panicum virgatum

#### **RUBY RIBBONS** Available as liner only

containers and beds.

**Height:** 24 to 36 in. (61 to 91 cm) **Bloom Months:** September to October

USDA Hardiness Zones: 4a to 9a 'RR1' PP17,944

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



Miscanthus My Fair Maiden



Panicum Ruby Ribbons

#### MISCANTHUS O (JAPANESE SILVER GRASS, MAIDEN GRASS)

#### **DARWIN PERENNIALS**

#### HIGH FREQUENCY

#### Available as liner only

Height: 80 to 86 in. (203 to 218 cm) **Bloom Months:** September to

USDA Hardiness Zones: 5a to 9a 'NCMS3' CPBRAF; PP34,712

A tall, columnar, banded Miscanthus - perfect for height

- and structure in the landscape. Creates showy retail displays
- without the need for flowers. · Rust resistant and infertile for healthy, non-invasive plants in the landscape.
- · An excellent feather-like seed head display in the Fall for added interest.



#### **BANDWIDTH**

USDA Hardiness Zones: 5a to 9b 'NCMS2B' CPBR6081; PP29,460

## Dwarf ornamental grass with

#### DARWIN PERENNIALS

#### **MY FAIR MAIDEN**

#### Available as liner only

Bloom Months: October to

USDA Hardiness Zones: 5a to 9a

· Ideal for dramatic backgrounds



#### HEUCHERA 🕕 🌑 (CORAL BELLS) Heuchera x hybrida

**DARWIN PERENNIALS** 

## CARNIVAL SERIES



#### Available as tissue culture-raised liners

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

- Incredible color assortment of well-matched varieties with distinct leaf venation.
- · Hybrid varieties have H. villosa parentage for excellent heat tolerance and better garden performance.
- · Series is great for 1-gal. programs and shade mixed containers.
- · Mounding habits are also brilliant in shade landscapes.

**Black Olive** Burgundy Blast Burgundy-red color. PP34,038

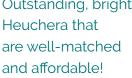
#### **TOP SELLER** Cinnamon Stick

Copper shades. PP33,991

Cocomint PP24,927 Coffee Bean PP24,943 Fall Festival Limeade PP24,899 Peach Parfait PP24,928 Plum Crazy PP24,771

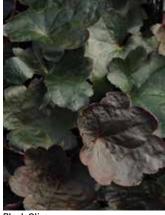
**TOP SELLER** Rose Granita **TOP SELLER** Watermelon PP24,803

Outstanding, bright





Heuchera Carnival Watermelon, Salvia Radio Red and Salvia Lyrical White



Black Olive



Cinnamon Stick



Burgundy Blast





Coffee Bean



Fall Festival







Peach Parfait



Plum Crazy



Rose Granita



Watermelon



IBERIS (EVERGREEN CANDYTUFT)

Iberis sempervirens

DARWIN PERENNIALS

#### 'SNOWSATION'

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

#### **TOP SELLER**

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

The largest flowers of any compact Iberis!







# LAVENDER

### **Extend Your Growing Season with Lavender**

#### Spring into the Season with Spanish Lavender

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

#### Lavender Primavera, the All-Season Performer

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

#### **English Lavenders, for Warmer Days**

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







LAVANDULA (ENGLISH LAVENDER)

Lavandula angustifolia

**DARWIN PERENNIALS** 

#### 'ANNET'





FirstYearFloweringTool.com for easy scheduling

**Height:** 16 to 18 in. (41 to 46 cm) Bloom Months: April to September USDA Hardiness Zones: 4a to 9a CPBR5107; PP28,867

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

- · Holds up to shipping and remains healthy at retail.

  No vernalization required.
- Large flowers throughout the heat of Summer.
- · An excellent addition for bouquets.
- Ideal for 2.5-qt. and 2-gal. pot sizes, as well as 3-qt. drop-in.

Lavandula 'Annet'



Lavandula 'SuperBlue'

#### LAVANDULA 🜕 (SPANISH LAVENDER)

Lavandula stoechas

#### DARWIN PERENNIALS

#### **ANOUK SERIES**



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

- · Reblooming Spanish Lavenders have excellent weather tolerance and retail shelf life.
- · High resistance to foliar disease.
- · A wonderful pollinator plant for containers and landscapes.

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

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

**NEW Burgundy** Unique burgundy addition. 'Anouk Deluxe 202001' PPAF

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

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

**NEW Doublescape** Double flowers in a deeper lavender shade. 'Anouk Deluxe 201908' PPAF

Purple Flare Dark purple flowers topped with pink-purple flags. 'Anouk Deluxe 16115' & PP35,064

Purple Medley Larger and more flowers than standard Anouk varieties with the same great plant performance. Ideal for the typical Spanish Lavender season. 'Anouk Deluxe 1939' PP35,499

#### **NEW Royal Anouk**

Lavender-violet flower spikes are topped with matching flags. 'Anouk Deluxe 201909' PPAF

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

Outstanding in containers and landscapes.





'Anouk'



Anouk Supreme



Burgundy



Deep Rose



**Double Anouk** 



Doublescape



Purple Flare



**Purple Medley** 



Royal Anouk



'Silver Anouk'



## LAVANDULA (SPANISH LAVENDER)

Lavandula stoechas

DARWIN PERENNIALS NEW FOR 2025

#### LAVINNOVA® SERIES



**Height:** 10 to 12 in. (25 to 30 cm) **Bloom Months:** March to July **USDA Hardiness Zones:** 6a to 9b

- Displays a striking contrast between flowers and the unique silver foliage.
- · Ideal for pollinator programs.

Frost Pink Bubblegum-pink flowers are a nice complement to the silver foliage. 'IB 510-96' Frost Purple Dark purple flowers contrast with the bright silver foliage. 'IB 510-17' PPAF

LAVINNOVA is a U.S. registered trademark of Plant Growers Australia Pty. Ltd

Silver foliage makes a dazzling backdrop for Lavinnova's blooms.



Frost Pink



Frost Purple (also pictured right)





### LEUCANTHEMUM (SHASTA DAISY)

Leucanthemum superbum

DARWIN PERENNIALS

**REINTRODUCTION FOR 2025** 

MAKE MY DAISY™ SERIES





FirstYearFloweringTool.com for easy scheduling

Height: 14 to 17 in. (36 to 43 cm) Bloom Months: June to August USDA Hardiness Zones: 5a to 9a

- Make My Daisy is an exciting take on a classic plant, with clean white blooms and excellent flower coverage.
- Ouick-turn crop provides reliable bulking for efficient production.
   Features a long bloom window with a continuous flush of new
- flowers throughout the season.

**Crazy** Exciting, semi-double flowers. 'Sunrimaizy' PP35,074 Happy Single flower form. 'Sunrimaiapy' PP35,183

Uniform, first-yearflowering Shasta Daisy delivers an impressive show without vernalization.





Happy (also pictured left)

#### LEUCANTHEMUM O (SHASTA DAISY)

Leucanthemum x superbum

#### **DARWIN PERENNIALS**

#### 'WHITECAP'





**Height:** 14 to 16 in. (36 to 41 cm) Bloom Months: March to October USDA Hardiness Zones: 5a to 9a PP33,605

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

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



Leucanthemum 'Whitecap'

WALTERS GARDENS



'CREAM PUFF'



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

**Bloom Months:** July

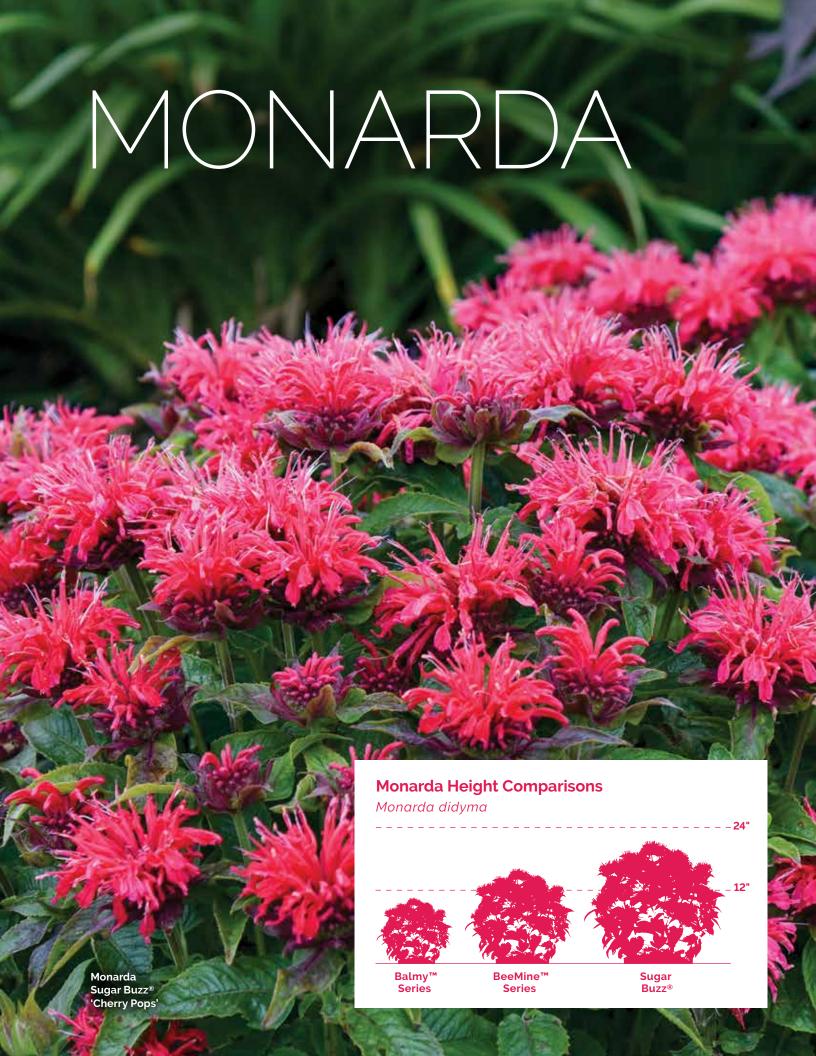
USDA Hardiness Zones: 5a to 9b

PP30,074

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



Leucanthemum 'Cream Puff'



MONARDA 🕒 🜗 (BEE BALM, BERGAMOT)

Monarda didyma DARWIN PERENNIALS

### BALMY™ SERIES **→ % ×**



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

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

Lilac 'Balbalmac' PP26,594 Pink 'Balbalmink' PP26,566 TOP SELLER Purple 'Balbalmurp' PP25,561 Rose 'Balbalmos366'

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













MONARDA • • (BEE BALM, BERGAMOT) Monarda didyma

DARWIN PERENNIALS

BEEMINE™ SERIES





FirstYearFloweringTool.com for easy scheduling

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

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



Lavender

'Balbeemav' PP33,915 Pink 'Balbeemin' PP33,916

Red 'Balbeemed' PP33,917

Excellent early-flowering, medium-height Monarda.



Lavender (also pictured left)





### MONARDA • • (BEE BALM, BERGAMOT)

Monarda didyma WALTERS GARDENS



#### **SUGAR BUZZ® SERIES**



Height: Varies by variety **Bloom Months:** July to August USDA Hardiness Zones: 4a to 8b

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

'Blue Moon' Height: 20 in. (51 cm) Lavender-blue flowers are held by attractive, purple bracts. A breakthrough shorter height for this color. PP29,549

'Bubblegum Blast' Height: 24 in. (61 cm) Hot pink flowers. PP27,497

TOP SELLER 'Cherry Pops' Height: 20 in. (51 cm) Cherry-red flowers. PP27,618

'Grape Gumball' Height: 20 to 24 in. (51 to 61 cm) Vibrant magenta flowers. PP27,498

'Pink Frosting' Height: 14 to 16 in. (35 to 41 cm) Pastel pink flowers form a carpet of blossoms that completely cover the foliage. PP29,548

'Rockin' Raspberry' Height: 20 in. (51 cm) Deep raspberry-purple flowers. PP28,752

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



'Blue Moon'







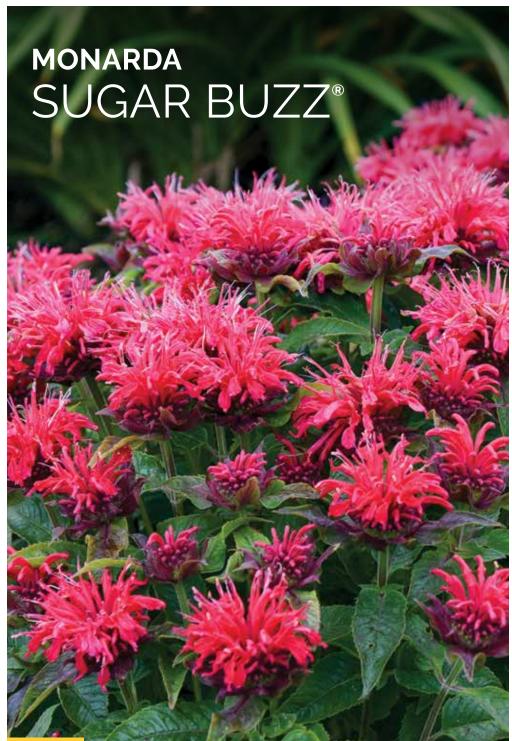




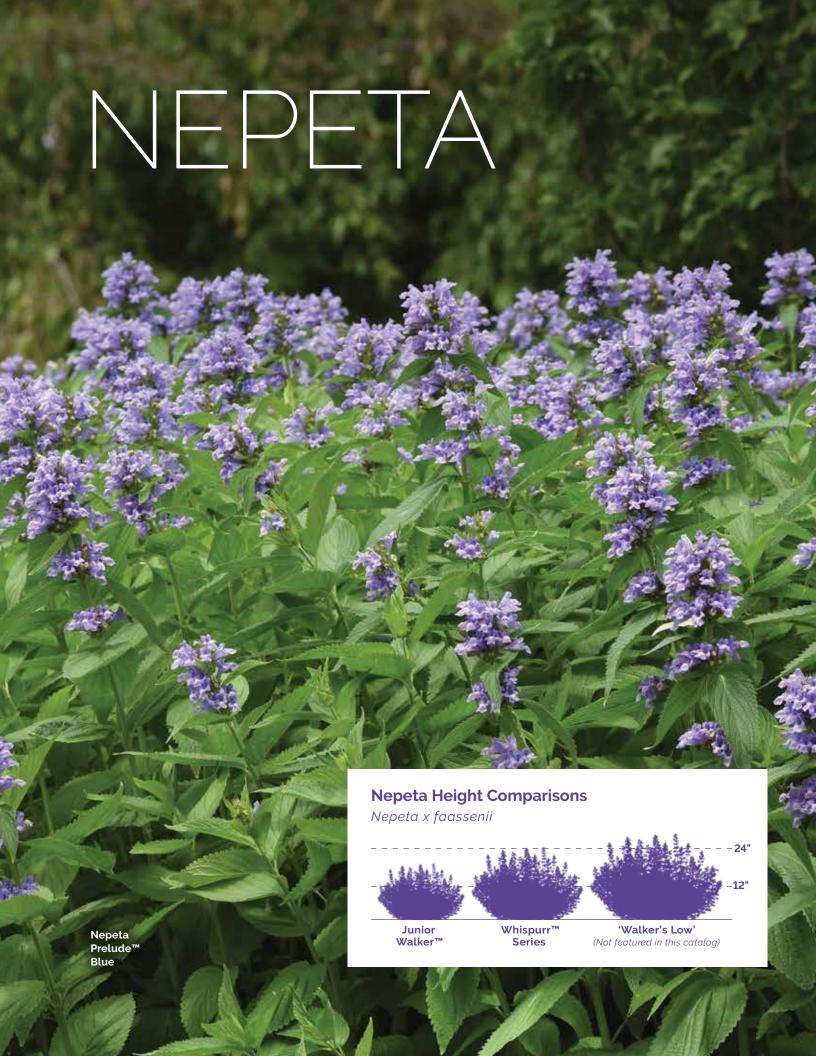
'Pink Frosting'



'Rockin' Raspberry



**TOP SELLER** 



NEPETA (CATMINT) Nepeta x faassenii

DARWIN PERENNIALS

# WHISPURR™ SERIES





FirstYearFloweringTool.com for easy scheduling

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

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



'Balpurrlu' PP33,042

Pink 'Balpurrink' PP33,184

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







NEPETA () (JAPANESE CATMINT) Nepeta subsessilis

DARWIN PERENNIALS

PRELUDE™ SERIES





FirstYearFloweringTool.com for easy scheduling

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

- Scales to 3 ft. in the second year.
- · Features a long flowering season.
- Minty fragrance attracts pollinators.
- · Ideal for 2.5-qt. and 1-gal. pot sizes.

Blue 'Balneplud' PP31,901 **Purple** Non-fading, dark purple blooms on an excellent mounding habit. 'Balprelurp' PP33,997

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



Blue



Purple (also pictured right)





# PENSTEMON (BEARD TONGUE)

Penstemon barbatus

**DARWIN PERENNIALS** 

### ROCK CANDY® SERIES





FirstYearFloweringTool.com for easy scheduling

Height: 12 in. (30 cm)

**Bloom Months:** April to September USDA Hardiness Zones: 5a to 8b

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

#### TOP SELLER Blue

'Novapenblu' PP27,786

**Light Pink** 'Novapenlig' PP27,787 Pink 'Novapenpin' PP26,701 Purple Features a strong purple flower. 'Balrocurp' PPAF Ruby 'Novapenrub' PP27,820

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

Light Pink









PENSTEMON (BEARD TONGUE)

Penstemon hybrida

**DARWIN PERENNIALS** 





FirstYearFloweringTool.com for easy scheduling

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

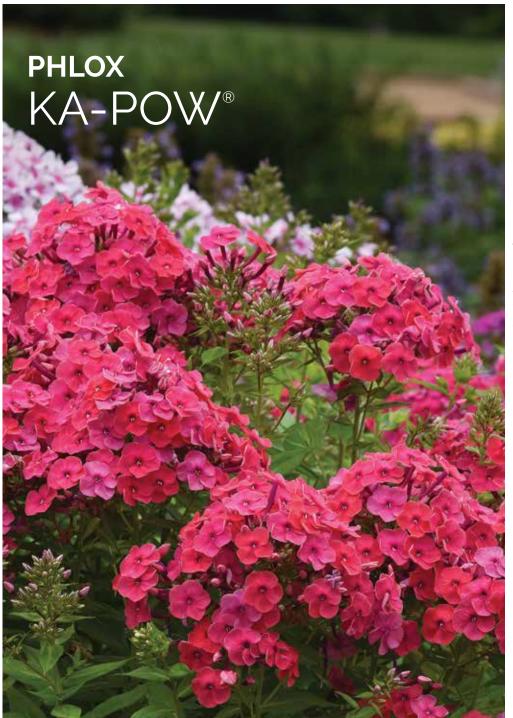
- · Bigger blooms with bright, cherry-red color.
- More heat tolerant and Winter hardy than other varieties.
- Sterile, long-flowering variety, without the unsightly seed heads.

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









PHLOX (HYBRID PHLOX) Phlox paniculata

DARWIN PERENNIALS

KA-POW® SERIES





FirstYearFloweringTool.com for easy scheduling

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

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

Lavender 'Balkapolav' PP30,780 Pink 'Balkapopink' PP30,779

TOP SELLER Purple 'Balkapopur' PP30,781

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

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

White Bicolor 'Balkapowibi' PP30,782

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



Lavender







Pink

PHLOX 🔵 (HYBRID PHLOX) Phlox paniculata

**DARWIN PERENNIALS** 

#### SUPER KA-POW™ SERIES





FirstYearFloweringTool.com for easy scheduling

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

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

Blue 'Balsukalu' PP33,885 Coral 'Balsukaco' PP33,863 **TOP SELLER** Fuchsia Bright fuchsia-pink color. 'Balsukafus' PP33,005

#### Lavender

Vibrant lavender flowers. 'Balsukalav' PP33,022

Pink Striking pink blooms. 'Balsukapin' PP33,188

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

### Super-sized for more power!





**TOP SELLER** 







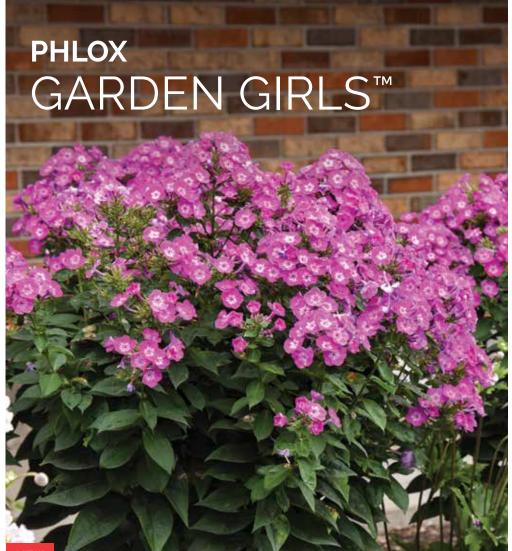






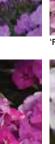
Coral

Fuchsia





Cover Girl'







'Party Girl'



WALTERS GARDENS



#### GARDEN GIRLS™ COLLECTION



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

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

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

NEW 'Dream Girl' Height: 30 to 36 in. (76 to 91 cm) Long blooming with impactful height. Disease-resistant foliage stays nice all season. Reblooms without deadheading. PPAF

**'Fancy Girl'** Height: 24 to 30 in. (61 to 76 cm) Upright stems hold soft pink blooms with dark eyes that appear for many weeks. Medium green foliage is mildew resistant. PPAF

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

'Material Girl' Height: 36 to 38 in. (91 to 97 cm) Rich fuchsia-pink flowers are held high on perfectly formed panicles. Medium green foliage is mildew resistant. PPAF

'Party Girl' Height: 28 to 32 in. (71 to 81 cm) Tall garden Phlox proudly displays its dark green foliage well into Fall. Features white flowers with star-shaped, light pink centers. PP32,324

'Uptown Girl' Height: 32 to 42 in. (81 to 107 cm) A rose-pink companion to the Garden Girls collection, with matching disease resistance and impressive reblooming. PP32,287

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



'Glamour Girl'

'Material Girl'

PHLOX (HYBRID PHLOX)
Phlox hybrida

DARWIN PERENNIALS

**NEW FOR 2025** 

#### SPRING SPLASH™ SERIES

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

- High-impact color for early season sales.
- · Nice, low, mounding habit.
- Vernalize for best and earliest flowering.

**Lilac** (pictured right) Tidy, lilac-colored blooms. 'Balsashac' PPAF

**Pink** Features excellent flower coverage with pretty pink blooms 'Balsashink' PPAF

**Violet** Violet blooms are great for low garden borders. 'Balsashet' PPAF

Keeps benches in bloom after Phlox *subulata* and before *divaricata*.



Pink



Violet









#### SALVIA 🜕 (SAGE)

Salvia nemorosa

DARWIN PERENNIALS

#### **'SKY BLUE** MARVEL'





FirstYearFloweringTool.com for easy scheduling

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

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

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



Salvia 'Sky Blue Marvel'

#### **DARWIN PERENNIALS**

#### **'BLUE MARVEL'**



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

CPBR5343; PP27,018

#### One of the largest flowers of any Salvia nemorosa!

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



Salvia 'Blue Marvel'



SALVIA (SAGE)

Salvia nemorosa

DARWIN PERENNIALS

LYRICAL™ SERIES





FirstYearFloweringTool.com for easy scheduling

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

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

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

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

Rose







SALVIA 🜕 (SAGE) Salvia hybrida

**DARWIN PERENNIALS** 

'BLUE BY YOU'





FirstYearFloweringTool.com for easy scheduling

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

#### **TOP SELLER**

- · A hybrid between Salvia nemorosa and Salvia pratensis.
- · Displays beautiful bright blue flower spikes, demonstrating proven superior garden performance.
- · Blooms up to two weeks earlier than other varieties, for more color at retail and a longer selling season.
- · Features excellent branching, Winter hardiness and heat tolerance, for more reliability in landscapes.
- Produces up to 5 repeat blooming cycles throughout Spring and Summer.
- Sterile hybrid for longer shelf life.
- · Re-flushes very easily.

Repeat flowers throughout Spring and Summer.





SALVIA (SAGE) Salvia greggii

DARWIN PERENNIALS

'RADIO RED'

FirstYearFloweringTool.com for easy scheduling

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

#### TOP SELLER

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

Blooms all Summer long - nice in containers.

#### SALVIA 🜕 (SAGE)

Salvia greggii

**DARWIN PERENNIALS** 







FirstYearFloweringTool.com for easy scheduling

Height: 12 to 14 in. (30 to 36 cm) Bloom Months: March to September USDA Hardiness Zones: 7a to 9b

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

Blue Electric, deep-blue color. 'Balmirleu' PP33,036

Burgundy 'Balmirbur' PP28,537

### TOP SELLER Cherry Red

(pictured right) 'Balmircher' PP28,527

#### **TOP SELLER** Deep Purple

'Balmirdepur' PP28,538 Hot Pink 'Balmirhopi' Pink 'Balmirpink'

#### Rose Bicolor

Large, rose and cream bicolor flowers with a rounded habit. Retains its color in the heat. 'Balmirrobi' PP33,084

Salmon A deep salmon bloom with a dark calyx. 'Balmirsal' PP30,729

Soft Pink 'Balmirsopin' Violet 'Balmirvio' PP29,724 White Crisp, clear white blooms. 'Balmirwite'

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

# SALVIA MIRAGE™





SEDUM (CHINESE MOUNTAIN STONECROP)

Sedum middendorffianum

**DARWIN PERENNIALS** 

#### **'YELLOW DIAMONDS'**



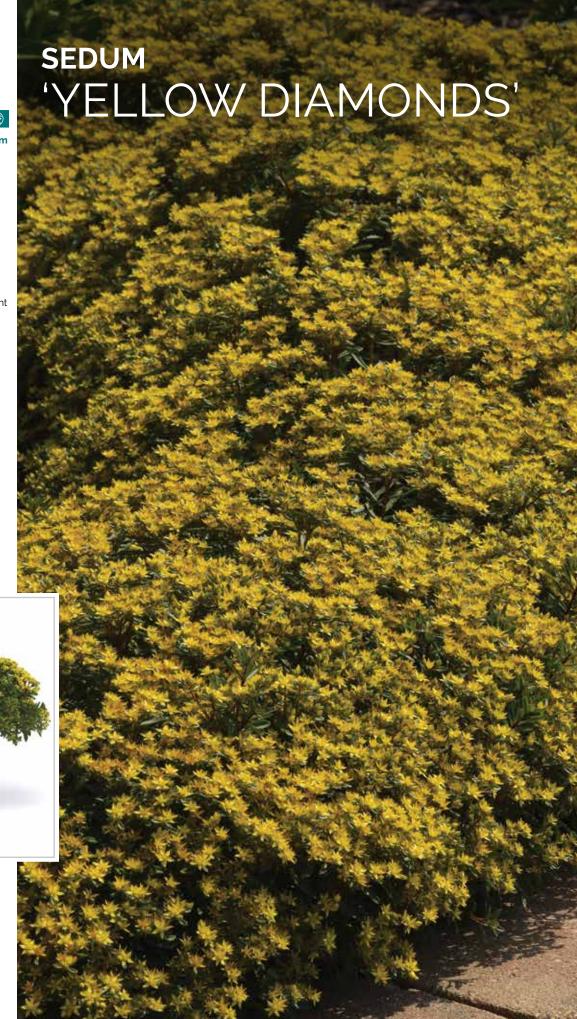


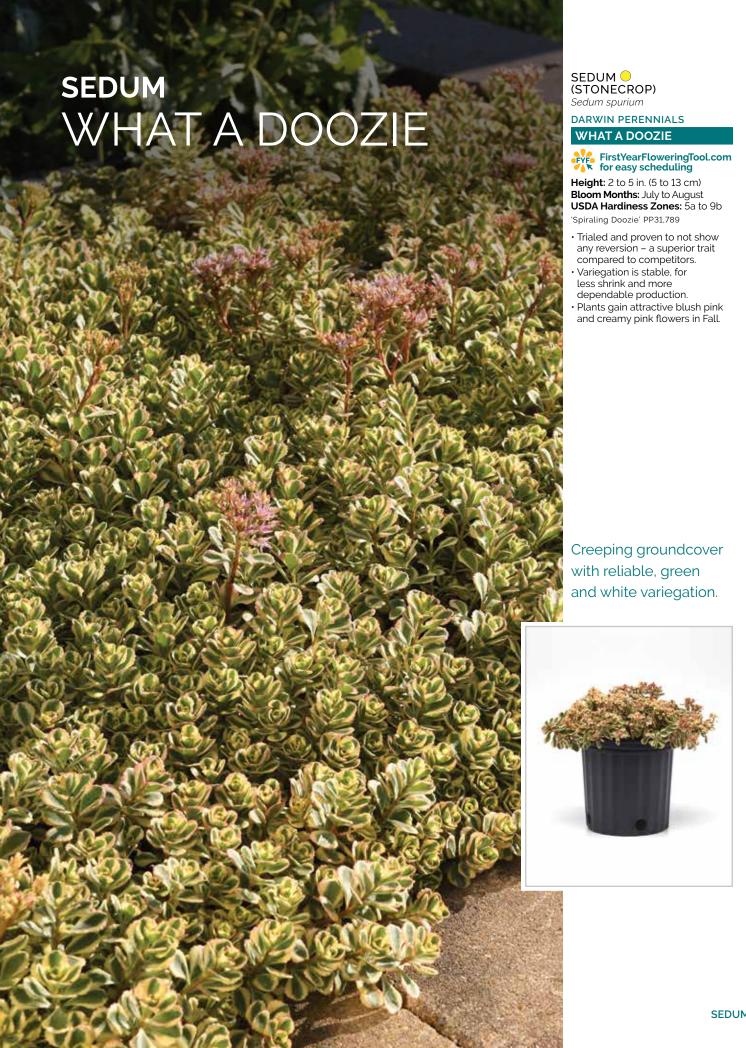
FirstYearFloweringTool.com for easy scheduling

Height: 7 to 10 in. (18 to 25 cm) Bloom Months: July to August USDA Hardiness Zones: 5a to 9a PP35,077

- Mounding habit provides a better presentation at retail and in the garden.
- Striking color contrasts well against dark green foliage with red stems.
- $\boldsymbol{\cdot}$  Blooms late Spring to Summer.
- Deer and rabbit resistant; drought tolerant and low maintenance.

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





#### SEDUM 🜕 (STONECROP)

Sedum rupestre

#### **DARWIN PERENNIALS**

#### **PRIMA ANGELINA**



**Height:** 3 to 6 in. (8 to 15 cm) Bloom Months: Non-flowering USDA Hardiness Zones: 4a to 9b

'Gold Form' PP32,414

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

- Sedum Prima Angelina has a denser, more compact habit and more vivid golden color than Angelina.
- · Low-growing and fastspreading sedum, with fleshy, needle-like foliage.
- · Ideal for 1 to 2.5-qt. pot sizes.



Sedum Prima Angelina



Sedum cauticola

**DARWIN PERENNIALS NEW FOR 2025** 

#### **SHAMROCK**

Height: 2 to 4 in. (5 to 10 cm) **USDA Hardiness Zones**: 3a to 9b

'FLORSEPURPJOH'

- Easy-to-grow groundcover is a delight in containers and landscapes.
- Provides a dense mat of petite foliage that carpets the landscape with green-to-chocolate brown tones and little-to-no flowering.
- · An ideal addition to any groundcover and/or low-water-use program.





Sedum Shamrock



VERONICA (LONG-LEAF SPEEDWELL) Veronica hybrid

**DARWIN PERENNIALS** 

SKYWARD™ SERIES





FirstYearFloweringTool.com for easy scheduling

Height: 14 to 18 in. (36 to 46 cm) **Bloom Months:** April to September USDA Hardiness Zones: 4b to 9a

- · Durability ensures plants grow and ship without breakage, for more salable plants.
- Naturally compact habit reduces the need for additional pinching or PGRs - keeping labor and chemical costs down.
- · Powdery mildew resistant.
- · This pollinator plant boasts a high flower count and continuous blooming - for a beautiful presentation in the garden.

Blue (pictured right) 'Balskywlue' PP34,922

**NEW Lilac** Dramatic lilac-colored spikes on sturdy stems continue to reach skyward late into the season. 'Balskywac' PPAF

Pink 'Balskywink' PP34,890

Skyward's dense, compact habit and sturdy stems make it a premium product.









VERONICA (SPIKE SPEEDWELL)

Veronica hybrida

DARWIN PERENNIALS

MOODY BLUES **♥⊗**% SERIES



FirstYearFloweringTool.com for easy scheduling

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

- Excellent 2.5-qt. and 1-gal. production with great uniformity and habit.
- Continues to cycle and bloom all season until first frost.
- Compact, tidy habit is great for any garden or mixed container.

Dark Blue Improved Offers a more upright habit that is ideal for container production. The flower spikes are also longer and in a deeper, more saturated blue color, providing a better color impact. 'Balmoodluim' PPAF

Dark Pink A long-flowering, deep pink variety. 'Balmoodink' PP31,832



'Balmoomaui' PP31,833

Pink 'Novaverpin' PP25,748 Sky Blue 'Novaversky' PP27,835

White 'Novaverwhi'

Compact series of first-year-flowering Veronica.









Dark Blue Improved



DARWIN PERENNIALS

### **HALO SERIES**





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

- · Very heat tolerant.
- Oversummers and overwinters.
- · Larger flowers than Celestial.

Golden Yellow PP30,900 Lemon Frost Extra-large, two-toned flowers captivate customers for early sales. PP26,383

Lilac CPBR4837; PP24,542 **Sky Blue** CPBR4838; PP24,541

**TOP SELLER** Violet

CPBR4839; PP24,428

**Excellent hardiness** for long-lasting garden enjoyment.



'Halo Sky Blue'



'Halo Golden Yellow'



'Halo Lemon Frost'



'Halo Lilac'



'Halo Violet'

# DARWIN PERENNIALS ESSENTIAL CULTURE GUIDE

### UPON RECEIPT

Unrooted perennials should be stuck as quickly as possible. Tender cuttings, such as Artemisia, Agastache, Lavandula, Perovskia and Salvia, should be immediate priority. Cuttings that cannot be stuck immediately should be maintained in a cooler at 40 to 45°F (4 to 7°C). Refer to the Propagation Guide for crop-specific suggestions. Generally speaking, herbaceous perennials benefit from a basal stem dip of IBA rooting hormone to speed up the rooting process. Be careful with misting levels. Perennials suffer from receiving too much mist more often than from too little mist.

Callused perennials have already begun the rooting process, arriving with less water loss than standard URCs. They should not be placed in the standard Day 1 mist area. Instead, they should begin at approximately 30-50% of the standard mist program, roughly the same amount of mist that standard cuttings would receive around Day 7 under mist. If using high humidity or tents at this stage, that is where callused cuttings should go. It is not necessary to use rooting hormones on callused cuttings, as they have already been treated at the farm. It is recommended to continue your standard protocols for using Pageant Intrinsic fungicide in propagation.

Rooted perennials should be unpacked and inspected for active root growth. It is often preferable to place recently received perennial liners on a bench or the ground for a few days to help them overcome transport stress. This is particularly important for liners that have been shipped in boxes. Water on arrival and look for new root activity prior to transplant, if possible.

### AT TRANSPLANT

Well-rooted and toned perennial liners are able to withstand transplant stress very well. Critical to success, provide newly transplanted perennials with immediate irrigation. Watering at the end of the transplant line rather than after you've filled a bed greatly improves uniformity of new root establishment. In any case, do not allow media surface to dry after transplant for the first several days until new roots are extending into the media. Perennials do not like to be planted too deep. Generally speaking, perennial liners should be planted level with the soil surface.

Use a well-drained media containing properly composted bark. These types of perennial soil media are readily available. It is important that the media incorporates a surfactant to help ensure proper wetting and re-wetting of the media. The media should be stabilized to a pH of 5.8 to 6.2 and an EC of 1 to 1.2 using the Saturated Media Extract (SME) method.

### FERTILIZATION

Perennials can be fed using liquid fertilizers on a periodic or constant feed basis. Liquid fertilizer rates can be found in the Perennial Finishing Guide. Use a balanced formula that complements the pH and alkalinity of your irrigation water. Liquid fertilizing offers advantages of greater flexibility and control over fertility levels, but can be difficult to administer economically when overhead irrigation is used. In the case of overhead irrigation, controlled release fertilizers (CRF) are preferable. Incorporate CRF into the media prior to planting based on manufacturer's recommendations, or top-dress after planting.

### **SPACING**

Spring-planted perennials should be spaced to finished spacing after transplant. This allows better growing conditions and helps to avoid overcrowding and stretch. The added airflow will help reduce foliar diseases and allow for better insect control.

Fall-planted perennials can be spaced at transplant in temperate climates or placed pot-tight in climates where temperatures cause containers to freeze. In either case, proper spacing for the anticipated finished size of the plant will dramatically improve plant quality and reduce labor.

### **INSECTS AND DISEASES**

Incoming perennial liners or cuttings should be inspected for pests and diseases. Apply appropriate treatments as needed.

After transplant, regular scouting and careful observation is critical to maintaining a healthy crop. The practice of integrated pest management (IPM) will reduce losses and pesticide costs by identifying and correcting problems before they escalate. If a pesticide treatment is necessary, please refer to the manufacturer's label regarding proper usage. It is always a good practice to test new varieties for phytotoxicity when making pesticide applications.

### VERNALIZATION AND BULKING

A number of perennial species require a period of cold temperature exposure to flower. The length of time varies from just a few weeks below 50°F (10°C) to as much as 10 weeks below 40°F (4°C). Generally speaking, early Spring-flowering perennials like *Phlox subulata*, lberis and Alyssum require a cold period to flower. Many perennials, such as *Salvia nemorosa*, Monarda and *Phlox paniculata* do not require vernalization to flower, but do benefit from a cold, short day bulking period. In these cases, Summer or Fall planting increases root and crown mass, and the corresponding flowering shoots on the plants. It has also been shown to hasten flowering in many species by up to 4 weeks.

### OVERWINTERING

The keys to success when overwintering perennials are:

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

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

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

## DARWIN PERENNIALS FINISHING GUIDE

| PAGE  | CROP                                   | SERIES/<br>VARIETY   | MEDIA<br>PH | TEMPERATURE  | DAYLENGTH               | VERNALIZATION<br>REQUIRED                              | LIGHT<br>LEVELS<br>IN FOOT-<br>CANDLES | WATERING   | FERTILIZATION  |  |
|-------|--|--|-------------|--|-------------------------|--|--|--|--|--|
| 14    | ACHILLEA<br>Achillea millefolium       | Milly Rock™<br>Series  | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day<br>facultative | No   | 2,500 to<br>4,500                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N. |  |
| 13    | ACHILLEA<br>Achillea millefolium       | New Vintage™<br>Series   | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day<br>facultative | No   | 5,000 to<br>8,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.         |  |
| 16    | AGASTACHE<br>Agastache rugosa          | 'Little Adder'   | 5.8-6.2     | Nights: 50 to<br>55°F (10 to 13°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day<br>facultative | No   | 3,000 to<br>5,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.         |  |
| 15    | AGASTACHE<br>Agastache mexicana        | Summerlong™<br>Series  | 5.8-6.2     | Nights: 50 to<br>55°F (10 to 13°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day<br>facultative | No   | 3,000 to<br>5,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.         |  |
| 17    | ARTEMISIA<br>Artemisia gmelinii        | SunFern™<br>Arcadia  | 5.8-6.2     | Nights: 56 to<br>64°F (13 to 18°C)<br>Days: 65 to 76°F<br>(18 to 24°C) | Day length<br>neutral   | No   | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N. |  |
| 17    | ARTEMISIA<br>Artemisia gmelinii        | SunFern™<br>Olympia  | 5.8-6.2     | Nights: 56 to<br>64°F (13 to 18°C)<br>Days: 65 to 76°F<br>(18 to 24°C) | Day length<br>neutral   | No   | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N. |  |
| 18    | CARYOPTERIS Caryopteris x clandonensis | 'Emerald Crest'  | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day obligate       | No   | 5,000 to<br>8,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.         |  |
| 18    | CARYOPTERIS Caryopteris x clandonensis | 'Gold Crest'   | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day<br>obligate    | No   | 5,000 to<br>8,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.         |  |
| 18    | CARYOPTERIS Caryopteris x clandonensis | Grand Bleu®  | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day<br>obligate    | No   | 5,000 to<br>8,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.         |  |
| 19    | COREOPSIS<br>Coreopsis hybrida         | UpTick™ Series   | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 17°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Day length<br>neutral   | No   | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced<br>fertilizer at a rate<br>of 125 to 150 ppm.   |  |
| 20    | <b>DELOSPERMA</b> Delosperma hybrida   | Ocean Sunset™<br>Series  | 5.8-6.2     | Nights: 56 to<br>64°F (13 to 18°C)<br>Days: 65 to 76°F<br>(18 to 24°C) | Day length<br>neutral   | No   | 5,000 to<br>8,000                      | Low to moderate  | Use a balanced fertilizer at a rate of 150 to 175 ppm N.       |  |
| 22-23 | <b>DIANTHUS</b> Dianthus hybrida       | Pink Carpet,<br>Pink PomPom,<br>Pink Twinkle,<br>Red Garnet,<br>Ruby Glitter,<br>Ruby Snow | 5.8-6.2     | 45 to 60°F<br>(7 to 16°C)  | Day length<br>neutral   | Beneficial for an increased quantity of Spring blooms. | 3,000 to<br>5,000                      | Low to moderate  | Use a balanced<br>fertilizer at a rate of<br>125 to 150 ppm N. |  |
|       | DIANTHUS<br>Dianthus hybrida           | Rose Bouquet   | 5.8-6.2     | 45 to 60°F<br>(7 to 16°C)  | Day length<br>neutral   | Beneficial for an increased quantity of Spring blooms. | 3,000 to<br>5,000                      | Low to moderate  | Use a balanced<br>fertilizer at a rate of<br>125 to 150 ppm N. |  |
| 22-23 | <b>DIANTHUS</b> Dianthus hybrida       | Silver Strike  | 5.8-6.2     | 45 to 60°F<br>(7 to 16°C)  | Day length<br>neutral   | Beneficial for an increased quantity of Spring blooms. | 3,000 to<br>5,000                      | Low to moderate  | Use a balanced<br>fertilizer at a rate of<br>125 to 150 ppm N. |  |
| 22-23 | <b>DIANTHUS</b> Dianthus hybrida       | White Twinkle  | 5.8-6.2     | 45 to 60°F<br>(7 to 16°C)  | Day length<br>neutral   | Beneficial for an increased quantity of Spring blooms. | 3,000 to<br>5,000                      | Low to moderate  | Use a balanced<br>fertilizer at a rate of<br>125 to 150 ppm N. |  |
| 21    | <b>DIGITALIS</b> Digitalis hybrida     | Arctic Fox™<br>Series  | 5.8-6.2     | Nights: 55 to<br>60°F (13 to 16°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day<br>facultative | No   | 3,000 to<br>5,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced fertilizer at a rate of 125 to 150 ppm.         |  |
| 25    | ECHINACEA<br>Echinacea x hybrida       | Double Scoop™<br>Series  | 5.8-6.2     | Nights: 55 to<br>60°F (13 to 16°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day<br>obligate    | No   | 3,500 to 5,000                         | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced<br>fertilizer at a rate<br>of 125 to 150 ppm.   |  |
| 28    | ECHINACEA<br>Echinacea x hybrida       | Sombrero<br>Poco™ Series   | 5.8-6.2     | 60 to 68°F<br>(16 to 20°C)   | Long day obligate       | No   | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N. |  |
| 26-27 | ECHINACEA<br>Echinacea x hybrida       | Sombrero®<br>Series  | 5.8-6.2     | 60 to 68°F<br>(16 to 20°C)   | Long day<br>obligate    | No   | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N. |  |

| PINCHING  | PLANT   | PESTS AND   | CROP SCHEDULE & USES                               |  |   |                         |                            |  |  |
|---|---|---|--|--|---|-------------------------|----------------------------|--|--|
| AFTER<br>TRANSPLANT   | GROWTH<br>REGULATORS  | FUNGAL<br>DISEASES  | 1-QT. (10-CM) POT,<br>1 PLANT PER POT              | 1-GAL. (15-CM) POT,<br>1 PLANT PER POT                           | 2 TO 3-GAL.<br>(25 TO 30-CM) POT,<br>3 PLANTS PER POT         | HEIGHT                  | USDA<br>HARDINESS<br>ZONES | BLOOM<br>MONTHS  |  |
| Typically not required  | PGRs generally not needed   | Aphids on the buds  | Rooted: 6 wks                                      | Rooted: 6-8 wks  | Not recommended   | 10-12 in.<br>(25-30 cm) | 4-9                        | April to<br>September                                    |  |
| Typically not required  | PGRs generally not needed   | Pythium and rhizoctonia can result from overwatering.     | Unrooted: 13-15 wks<br>Rooted: 8-10 wks            | Unrooted: 15-17 wks<br>Rooted: 10-12 wks                         | Unrooted: 19-22 wks<br>Rooted: 12-14 wks                      | 26-28 in.<br>(66-71 cm) | 4-9                        | April to<br>September                                    |  |
| Recommended   | PGRs generally not needed   | Thrips, white fly   | Not recommended                                    | Unrooted: 15-17 wks<br>Rooted: 10-12 wks                         | Unrooted: 19-22 wks<br>Rooted: 12-14 wks                      | 15-18 in.<br>(38-46 cm) | 5-9                        | April to<br>September                                    |  |
| Recommended   | PGRs generally not needed   | Thrips, white fly   | Not recommended                                    | Unrooted: 15-17 wks<br>Rooted: 10-12 wks                         | Unrooted: 19-22 wks<br>Rooted: 12-14 wks                      | 9-12 in.<br>(23-30 cm)  | 7-10                       | April to<br>September                                    |  |
| Typically not required  | B-Nine/Cycocel<br>sprays 2,500/1,000<br>ppm   | Not particularly<br>sensitive. Use<br>well-drained media. | Not recommended                                    | Rooted: 6-8 wks  | 10-12 wks   | 14-16 in.<br>(36-41 cm) | 4-9                        | Non-<br>flowering  |  |
| Typically not required  | B-Nine/Cycocel<br>sprays 2,500/1,000<br>ppm   | Not particularly<br>sensitive. Use<br>well-drained media. | Not recommended                                    | Rooted: 6-8 wks  | 10-12 wks   | 16-18 in.<br>(41-46 cm) | 4-9                        | Non-<br>flowering  |  |
| One pinch, two<br>to three weeks<br>after transplant              | PGRs generally not needed   | Thrips, spider mites                                      | Not recommended                                    | Rooted: 12-14 wks  | Rooted: 14 wks  | 28-36 in.<br>(71-91 cm) | 6-9                        | August to<br>October                                     |  |
| One pinch,<br>two to three<br>weeks after<br>transplant.          | PGRs generally not needed   | Thrips, spider mites                                      | Not recommended                                    | Rooted: 12-14 wks  | Rooted: 14 wks  | 28-36 in.<br>(71-91 cm) | 6-9                        | August to<br>October                                     |  |
| No  | PGRs generally not needed   | Spider mites  | Not recommended                                    | Rooted: 12-14 wks  | Rooted: 14 wks  | 48 in.<br>(122 cm)      | 6-9                        | August to<br>October                                     |  |
| No  | B-Nine/Cycocel<br>combination at<br>3,750-5,000 ppm,<br>B-Nine/Cycocel<br>500 ppm before<br>flowering, Sumagic<br>spray can be used<br>after flowering if<br>needed.  | Spider mites, thrips                                      | Not recommended                                    | Rooted: 10-12 wks  | Rooted: 12-14 wks   | 12-14 in.<br>(30-36 cm) | 5-9                        | March to<br>November                                     |  |
| Typically not required  | PGRs generally not needed   | Aphids on the buds  | Rooted: 6 wks                                      | 9-11 wks   | Not recommended   | 4-6 in.<br>(10-15 cm)   | 5-9                        | March to<br>October                                      |  |
| No  | PGRs generally not needed   | Thrips, carnation mottle virus                            | 18-20 wks, including<br>6 wks below 50°F<br>(10°C) | 18-20 wks,<br>including 6 wks<br>below 50°F (10°C)               | Not recommended   | 6-8 in.<br>(15-20 cm)   | 4-9                        | March to<br>October                                      |  |
| No  | PGRs generally not needed   | Thrips, carnation mottle virus                            | 18-20 wks, including<br>6 wks below 50°F<br>(10°C) | 18-20 wks,<br>including 6 wks<br>below 50°F (10°C)               | Not recommended   | 10-12 in.<br>(25-30 cm) | 4-9                        | March to<br>October                                      |  |
| No  | PGRs generally not needed   | Thrips, carnation mottle virus                            | 18-20 wks, including<br>6 wks below 50°F<br>(10°C) | 18-20 wks,<br>including 6 wks<br>below 50°F (10°C)               | Not recommended   | 8-10 in.<br>(20-25 cm)  | 4-9                        | March to<br>October                                      |  |
| No  | PGRs generally not needed   | Thrips, carnation mottle virus                            | 18-20 wks, including<br>6 wks below 50°F<br>(10°C) | 18-20 wks,<br>including 6 wks<br>below 50°F (10°C)               | Not recommended   | 5-6 in.<br>(13-15 cm)   | 4-9                        | March to<br>October                                      |  |
| Recommended<br>for more<br>flowers per<br>plant. Not<br>required. | PGRs generally not needed   | Aphids, white fly, spider mites                           | Not recommended                                    | Rooted: 12-14 wks  | Rooted: 14 wks  | 18-24 in.<br>(46-61 cm) | 5-9                        | April to<br>September;<br>Natural<br>season<br>flowering |  |
| No  | B9/Cycocel<br>combination at<br>3750-5000 ppm<br>B9/500 ppm<br>Cycocel before<br>flowering. Sumagic<br>spray can be used<br>after flowering if<br>needed. Do not use<br>configure in finished<br>containers | None noted  |  | 14-16 wks Spring<br>plant; 11-13 wks<br>Summer plant<br>for Fall | 14-16 wks Spring plant;<br>11-13 wks Summer<br>plant for Fall | 22-24 in.<br>(56-61 cm) | 4-9                        | June to<br>August  |  |
| Only to remove premature flower buds.                             | PGRs generally not needed   | Not particularly sensitive. Use well-drained media.       | Not recommended                                    | 10-12 wks  | Not recommended   | 14-16 in.<br>(36-41 cm) | 4-9                        | June to<br>August  |  |
| Only to remove<br>premature<br>flower buds.                       | Not recommended.<br>300 ppm Configure<br>2 weeks after<br>transplant when<br>greenhouse grown<br>will reduce overall<br>plant height.   | Not particularly<br>sensitive. Use<br>well-drained media. | Not recommended                                    | 10-12 wks  | Liner: 16-18 wks  | 18-20 in.<br>(46-51 cm) | 4-9                        | June to<br>August  |  |

## DARWIN PERENNIALS FINISHING GUIDE

| PAGE | CROP                                       | SERIES/<br>VARIETY       | MEDIA<br>PH | TEMPERATURE  | DAYLENGTH               | VERNALIZATION<br>REQUIRED   | LIGHT<br>LEVELS<br>IN FOOT-<br>CANDLES | WATERING   | FERTILIZATION  |  |
|------|--|--------------------------|-------------|--|-------------------------|---|--|--|--|--|
| 29   | EUPATORIUM<br>Eupatorium dubium            | 'Little Joe'             | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day<br>obligate    | No  | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. Prefers<br>moist soils.                       | Use a balanced<br>fertilizer at a rate<br>of 125 to 150 ppm.                                     |  |
| 29   | EUPATORIUM<br>Eupatorium purpureum         | Euphoria™<br>Series      | 5.8-6.2     | Nights: 55 to<br>60°F (13 to 16°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day<br>obligate    | No  | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering.   | Use a balanced fertilizer at a rate of 150 to 175 ppm.   |  |
| 31   | HELIOPSIS<br>Heliopsis helianthoides       | Summer<br>Eclipse        | 5.8-6.2     | Nights: 56 to<br>64°F (13 to 18°C)<br>Days: 65 to 76°F<br>(18 to 24°C) | Long day obligate       | No  | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N.                                   |  |
| 32   | HEUCHERA<br>Heuchera x hybrida             | Carnival Series          | 5.8-6.2     | Nights: 50 to<br>55°F (10 to 13°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Day length<br>neutral   | No  | 1,500 to<br>2,500                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced fertilizer at a rate of 100 to 125 ppm.   |  |
| 33   | HEUCHERA<br>Heuchera x villosa             | Big Top Series           | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Day length<br>neutral   | No  | 1,500 to<br>2,500                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>125 to 150 ppm N.                                   |  |
| 34   | IBERIS Iberis sempervirens                 | 'Snowsation'             | 5.8-6.2     | 45 to 60°F<br>(7 to 16°C)  | Day length<br>neutral   | Yes   | 3,000 to<br>5,000                      | Low to moderate  | Use a balanced fertilizer at a rate of 150 to 175 ppm N.   |  |
| 35   | KNIPHOFIA<br>Kniphofia uvaria              | Glowstick                | 5.8-6.2     | 68 to 72°F<br>(20 to 22°C)   | Long day<br>obligate    | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.<br>Overwatering<br>will result in slow<br>bulk. | Use a balanced<br>fertilizer at a rate<br>of 150 to 175 ppm<br>N. Generally a<br>heavier feeder. |  |
| 37   | LAVANDULA<br>Lavandula<br>angustifolia     | 'Annet'                  | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate<br>of 125 to 150 ppm.                                     |  |
| 37   | LAVANDULA<br>Lavandula<br>angustifolia     | 'SuperBlue'              | 5.9-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate<br>of 125 to 150 ppm.                                     |  |
| 38   | LAVANDULA<br>Lavandula stoechas            | Anouk Series             | 5.8-6.2     | Nights: 56 to 64°F (13 to 18°C) Days: 65 to 76°F (18 to 24°C)          | Day length<br>neutral   | Beneficial for earlier flowering and more blooms.                                     | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate<br>of 100 to 125 ppm.                                     |  |
| 40   | LAVANDULA<br>Lavandula stoechas            | Lavinnova®<br>Series     | 5.8-6.2     | Nights: 56 to<br>64°F (13 to 18°C)<br>Days: 65 to 76°F<br>(18 to 24°C) |                         | Beneficial for<br>earlier flowering<br>and more blooms.                               | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate<br>of 100 to 125 ppm.                                     |  |
| 39   | LAVANDULA<br>Lavandula stoechas            | Primavera                | 5.8-6.2     | Nights: 56 to<br>64°F (13 to 18°C)<br>Days: 65 to 76°F<br>(18 to 24°C) | Day length<br>neutral   | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate<br>of 100 to 125 ppm.                                     |  |
| 41   | LEUCANTHEMUM<br>Leucanthemum<br>superbum   | Make My Daisy™<br>Series | 5.8-6.2     | Nights: 55°F<br>(13°C)<br>Days: 68°F (20°C)                            | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N.                                   |  |
| 42   | LEUCANTHEMUM<br>Leucanthemum x<br>superbum | 'Whitecap'               | 5.8-6.2     | Nights: 55°F<br>(13°C)<br>Days: 68°F (20°C)                            | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N.                                   |  |
| 30   | MISCANTHUS<br>Miscanthus sinensis          | Bandwidth                | 5.8-6.5     | 65 to 75°F<br>(18 to 24°C)   | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Low to moderate  | Low  |  |
| 30   | MISCANTHUS<br>Miscanthus sinensis          | High Frequency           | 5.8-6.2     | 60 to 68°F<br>(16 to 20°C)   | Short day obligate      | No  | 5,000 to<br>8,000                      | Low to moderate  | Use a balanced fertilizer at a rate of 100 to 125 ppm.   |  |
| 30   | MISCANTHUS<br>Miscanthus sinensis          | My Fair Maiden           | 5.8-6.5     | 65 to 75°F<br>(18 to 24°C)   | Short day obligate      | No  | 5,000 to<br>8,000                      | Low to moderate  | Low  |  |
| 44   | MONARDA<br>Monarda didyma                  | Balmy™ Series            | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day<br>obligate    | Beneficial for bulking and earlier flowering.   | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate<br>of 125 to 150 ppm.                                     |  |
| 45   | MONARDA<br>Monarda didyma                  | BeeMine™<br>Series       | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day<br>obligate    | Beneficial for<br>bulking and<br>earlier flowering.<br>Not required for<br>flowering. | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate of<br>125 to 150 ppm N.                                   |  |
| 50   | NEPETA<br>Nepeta subsessilis               | Prelude™<br>Series       | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.   |  |

| PINCHING  | PLANT  | PESTS AND  | CROP SCHEDULE & U                       | JSES   |   |                            |                            |  |
|---|--|--|---|--|---|----------------------------|----------------------------|--|
| AFTER<br>TRANSPLANT   | GROWTH<br>REGULATORS                                     | FUNGAL<br>DISEASES   | 1-QT. (10-CM) POT,<br>1 PLANT PER POT   | 1-GAL. (15-CM) POT,<br>1 PLANT PER POT   | 2 TO 3-GAL.<br>(25 TO 30-CM) POT,<br>3 PLANTS PER POT                       | HEIGHT                     | USDA<br>HARDINESS<br>ZONES | BLOOM<br>MONTHS                        |
| Recommended   | Concise/Sumagic<br>30-60 ppm spray                       | None noted   | Not recommended                         | Rooted: 20 wks   | Rooted: 20 wks  | 36-48 in.<br>(91-122 cm)   | 3-9                        | July to<br>September                   |
| One pinch,<br>two to three<br>weeks after<br>transplant.  | PGRs generally not needed                                | Aphids, white fly, spider mites  | Not recommended                         | Unrooted: 15-17 wks<br>Rooted: 10-12 wks<br>Natural flowering in<br>early July | Unrooted: 15-17 wks<br>Rooted: 10-12 wks<br>Natural flowering early<br>July | 24-32 in.<br>(61-81 cm)    | 4-9                        | July to<br>October                     |
| Yes, in cases<br>where there<br>are two or less<br>shoots.  | B-Nine/Cycocel<br>sprays 2,500/1,000<br>ppm              | Not particularly<br>sensitive. Use well-<br>drained media.   | Not recommended                         | 9-11 wks   | 10-12 wks   | 24-30 in.<br>(61-76 cm)    | 4-9                        | June to<br>September                   |
| No  | PGRs generally not needed                                | Pythium and rhizoctonia can result from overwatering.  | 6-8 wks                                 | 10-12 wks  | 12-14 wks   | 10-12 in.<br>(25-30 cm)    | 4-9                        | April to<br>May                        |
| No  | PGRs generally not needed                                | Watch for crown rot if overwatered.  | Not recommended                         | Rooted: 6-8 wks  | 10-12 wks   | 16-18 in.<br>(41-46 cm)    | 4-9                        | April to<br>May                        |
| Only if pinching not done in the liner stage.   | PGRs generally not needed                                | Not particularly sensitive.  | 24 wks; requires vernalization          | 24 wks; requires vernalization   | Not recommended   | 6-8 in.<br>(15-20 cm)      | 4-9                        | February to<br>April                   |
| None  | PGRs not needed  | Pythium can result<br>from overwatering.<br>Aphids can also be a<br>problem.   | Not recommended                         | 12-14 wks for<br>Summer to Fall<br>flowering                                   | 14-16 wks for Summer<br>to Fall flowering                                   | 26-29 in.<br>(66-74 cm)    | 6-9                        | July to<br>November                    |
| Once for<br>smaller pot<br>sizes, twice<br>for larger<br>containers.                                  | PGRs generally not needed                                | Thielaviopsis,<br>pythium and<br>rhizoctonia can result<br>from overwatering.<br>Thrips, white fly,<br>aphids, fungus gnats. | Unrooted: 14-16 wks<br>Rooted: 7-8 wks  | Unrooted: 16-19 wks<br>Rooted: 9-11 wks  | Unrooted: 19-22 wks<br>Rooted: 12-14 wks                                    | 16-18 in.<br>(41-46 cm)    | 4-9                        | April to<br>September                  |
| Once for smaller pot sizes, twice for larger containers.  | PGRs generally not<br>needed                             | Thielaviopsis,<br>pythium and<br>rhizoctonia can result<br>from overwatering.<br>Thrips, white fly,<br>aphids, fungus gnats. | Unrooted: 14-16 wks<br>Rooted: 7-8 wks  | Unrooted: 16-19 wks<br>Rooted: 9-11 wks  | Unrooted: 19-22 wks<br>Rooted: 12-14 wks                                    | 10-12 in.<br>(25-30 cm)    | 5-8                        | April to<br>September                  |
| Recommended   | PGRs generally not needed                                | Thielaviopsis,<br>pythium and<br>rhizoctonia can result<br>from overwatering.<br>Thrips, white fly,<br>aphids, fungus gnats. | 7-10 wks                                | 9-11 wks, 1-3 ppp  | 10-12 wks, 3-5 ppp  | 14-18 in.<br>(36-46 cm)    | 6-9                        | March to<br>July                       |
| A final pinching<br>8 to 10<br>weeks before<br>flowering<br>will help to<br>increase flower<br>count. | PGRs generally not needed                                | Thielaviopsis,<br>pythium and<br>rhizoctonia can result<br>from overwatering.<br>Thrips, white fly,<br>aphids, fungus gnats. | 7-10 wks                                | 9-11 wks, 1-3 ppp  | 10-12 wks, 3-5 ppp  | 10-12 in.<br>(25-30 cm)    | 6-9                        | March to<br>July                       |
| Not necessary<br>if pinches<br>provided in<br>liner   | PGRs generally not<br>needed                             | Thielaviopsis,<br>pythium and<br>rhizoctonia can result<br>from overwatering.<br>Thrips, white fly,<br>aphids, fungus gnats. | 7-10 wks                                | 9-11 wks   | 10-12 wks   | 16-18 in.<br>(41-46 cm)    | 7-9                        | Year round<br>depending<br>on location |
| Typically not required  | PGRs generally not needed                                | Watch for crown rot if overwatered.  | Not recommended                         | 9-11 wks   | 12-14 wks   | 14-17 in.<br>(36-43 cm)    | 5-9                        | June to<br>August                      |
| Typically not required  | PGRs generally not needed                                | Watch for crown rot if overwatered.  | 7-10 wks                                | 9-11 wks   | Not recommended   | 14-16 in.<br>(36-41 cm)    | 5-9                        | March to<br>October                    |
| No  | None   | Rust resistant   | 8-10 wks                                | 14-16 wks  | 20-24 wks, 1 ppp  | 30-36 in.<br>(76-91 cm)    | 5-9                        | October to<br>November                 |
| No  | PGRs generally not needed                                | Watch for crown rot if overwatered.  | Not recommended                         | Not recommended  | Liner: 16-18 wks  | 80-86 in.<br>(203-218 cm)  | 5-9                        | September<br>to October                |
| No  | None   | Rust resistant   | Not recommended                         | 16-18 wks  | 24-26 wks, 1 ppp  | 72-102 in.<br>(183-259 cm) | 5-9                        | October to<br>November                 |
| Recommended   | PGRs generally not needed                                | Powdery mildew<br>may be present if<br>grown under poor air<br>circulation and high<br>humidity. White fly,<br>spider mites. | Unrooted: 12-14 wks<br>Rooted: 8-10 wks | Unrooted: 14-16 wks<br>Rooted: 10-12 wks                                       | Unrooted: 14-16 wks<br>Rooted: 12-14 wks                                    | 10-12 in.<br>(25-30 cm)    | 4-9                        | June to<br>July                        |
| Typically not required  | PGRs generally not needed                                | Powdery mildew when pressure is high.  | Not recommended                         | 9-11 wks   | 10-12 wks   | 15-18 in.<br>(38-46 cm)    | 4-9                        | June to<br>July                        |
| Not necessary when pinched in liner.  | Use B-Nine/Cycocel<br>2,500/800 ppm to<br>control height | Aphids, white fly, spider mites  | Not recommended                         | Unrooted: 15-17 wks<br>Rooted: 10-12 wks                                       | Unrooted: 15-17 wks<br>Rooted: 10-12 wks                                    | 28-36 in.<br>(71-91 cm)    | 4-9                        | March to<br>September                  |

## DARWIN PERENNIALS FINISHING GUIDE

| PAGE  | CROP                                     | SERIES/<br>VARIETY       | MEDIA<br>PH | TEMPERATURE  | DAYLENGTH               | VERNALIZATION<br>REQUIRED   | LIGHT<br>LEVELS<br>IN FOOT-<br>CANDLES | WATERING   | FERTILIZATION   |  |
|-------|--|--------------------------|-------------|--|-------------------------|---|--|--|---|--|
| 49    | NEPETA<br>Nepeta x faassenii             | Junior Walker™           | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced fertilizer at a rate of 125 to 150 ppm.                      |  |
| 48    | NEPETA<br>Nepeta x faassenii             | Whispurr™<br>Series      | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 65 to 75°F<br>(18 to 24°C) | Long day facultative    | No  | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N.              |  |
| 51    | PENSTEMON Penstemon barbatus             | Rock Candy®<br>Series    | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Long day<br>facultative | No  | 3,000 to<br>5,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N.              |  |
| 52    | PENSTEMON<br>Penstemon hybrida           | 'Cherry Sparks'          | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Long day<br>facultative | No  | 3,000 to<br>5,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced fertilizer at a rate of 125 to 150 ppm.                      |  |
| 53    | PEROVSKIA<br>Perovskia atriplicifolia    | 'CrazyBlue'              | 5.8-6.2     | Nights: 55 to<br>65°F (13 to 18°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day obligate       | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced fertilizer at a rate of 125 to 150 ppm.                      |  |
| 58    | PHLOX<br>Phlox hybrida                   | Spring Splash™<br>Series | 5.8-6.2     | 60 to 75°F<br>(16 to 24°C)   |                         |   | 5,000 to<br>8,000                      | Moderate   | Use a balanced fertilizer at a rate of 150 to 200 ppm N.                    |  |
| 55    | PHLOX<br>Phlox paniculata                | Ka-Pow® Series           | 5.8-6.2     | 60 to 75°F<br>(16 to 24°C)   | Long day obligate       | No  | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 200 ppm N.              |  |
| 56    | PHLOX<br>Phlox paniculata                | Super Ka-Pow™<br>Series  | 5.8-6.2     | Nights: 56 to<br>64°F (13 to 18°C)<br>Days: 65 to 76°F<br>(18 to 24°C) | Long day obligate       | No  | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N.              |  |
| 59    | POLEMONIUM<br>Polemonium<br>pulcherrimum | 'Golden<br>Feathers'     | 5.8-6.2     | Nights: 50 to<br>55°F (10 to 13°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Long day<br>obligate    | Yes   | 1,500 to<br>2,500                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced fertilizer at a rate of 100 to 125 ppm.                      |  |
| 66-67 | SALVIA<br>Salvia greggii                 | Mirage™ Series           | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Day length<br>neutral   | No  | 3,000 to<br>5,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N.              |  |
| 65    | SALVIA<br>Salvia greggii                 | 'Radio Red'              | 5.8-6.2     | Nights: 45 to<br>70°F (7 to 21°C)<br>Days: 55 to 80°F<br>(13 to 27°C)  | Day length<br>neutral   | No  | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced fertilizer at a rate of 125 to 150 ppm.                      |  |
| 64    | SALVIA<br>Salvia hybrida                 | 'Blue by You'            | 5.8-6.2     | Nights: 45 to<br>55°F (7 to 13°C)<br>Days: 55 to 65°F<br>(13 to 18°C)  | Day length<br>neutral   | Beneficial; aids<br>in bulking. Not<br>required for<br>flowering. | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced fertilizer at a rate of 150 to 200 ppm.                      |  |
| 63    | SALVIA<br>Salvia nemorosa                | Lyrical™ Series          | 5.8-6.2     | Nights: 45 to<br>55°F (7 to 13°C)<br>Days: 55 to 65°F<br>(13 to 18°C)  | Day length<br>neutral   | Beneficial; aids<br>in bulking. Not<br>required for<br>flowering. | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced fertilizer at a rate of 150 to 200 ppm.                      |  |
| 61-62 | SALVIA<br>Salvia nemorosa                | Marvel Series            | 5.8-6.2     | 55 to 65°F<br>(13 to 18°C)   | Day length<br>neutral   | Beneficial; aids<br>in bulking. Not<br>required for<br>flowering. | 5,000 to<br>8,000                      | Moderate   | Use a balanced<br>fertilizer at a rate of<br>175 to 200 ppm N.              |  |
| 70    | SEDUM<br>Sedum cauticola                 | Shamrock                 | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) |                         | No  | 5,000 to<br>8,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced<br>fertilizer at a rate of<br>125 to 150 ppm.                |  |
| 68    | SEDUM<br>Sedum<br>middendorffianum       | 'Yellow<br>Diamonds'     | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Long day<br>obligate    | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate of<br>100 to 150 ppm.                |  |
| 70    | SEDUM<br>Sedum rupestre                  | Prima Angelina           | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Long day<br>obligate    | No  | 5,000 to<br>8,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.                      |  |
| 69    | SEDUM<br>Sedum spurium                   | What a Doozie            | 5.8-6.2     | Nights: 55 to<br>70°F (13 to 21°C)<br>Days: 60 to 80°F<br>(15 to 27°C) | Long day obligate       | No  | 5,000 to<br>8,000                      | Allow media to<br>dry regularly<br>between<br>watering.  | Use a balanced fertilizer at a rate of 125 to 150 ppm.                      |  |
| 71    | STACHYS<br>Stachys byzantina             | Little Lamb              | 5.8-6.2     | Nights: 56 to<br>64°F (13 to 18°C)<br>Days: 65 to 76°F<br>(18 to 24°C) |                         | No  | 5,000 to<br>8,000                      | Allow media to<br>dry moderately<br>between<br>watering. | Use a balanced<br>fertilizer at a rate of<br>150 to 175 ppm N.              |  |
| 72    | VERONICA<br>Veronica hybrid              | Skyward™<br>Series       | 5.8-6.2     | Nights: 50 to<br>55°F (10 to 13°C)<br>Days: 60 to 70°F<br>(16 to 21°C) | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced fertilizer at a rate of 125 to 150 ppm.                      |  |
| 73    | VERONICA<br>Veronica hybrida             | Moody Blues®<br>Series   | 5.8-6.2     | Nights: 50 to<br>55°F (10 to 13°C)<br>Days: 60 to 70°F<br>(16 to 20°C) | Long day<br>facultative | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>fertilizer at a rate<br>of 125 to 150 ppm.                |  |
| 74    | VIOLA<br>Viola cornuta                   | Halo Series              | 5.5-5.8     | Nights: 50 to<br>55°F (10 to 13°C)<br>Days: 60 to 65°F<br>(16 to 18°C) | Day length<br>neutral   | No  | 5,000 to<br>8,000                      | Allow media<br>to dry slightly<br>between<br>watering.   | Use a balanced<br>Pansy/Viola<br>fertilizer at a rate<br>of 125 to 150 ppm. |  |
|       |  |                          |             |  |                         |   |  | -  |   |  |

| PINCHING PLANT   |  | PESTS AND  | CROP SCHEDULE & USES                    |  |   |                         |                            |                        |  |
|--|--|--|---|--|---|-------------------------|----------------------------|------------------------|--|
| AFTER<br>TRANSPLANT  | GROWTH<br>REGULATORS   | FUNGAL<br>DISEASES   | 1-QT. (10-CM) POT,<br>1 PLANT PER POT   | 1-GAL. (15-CM) POT,<br>1 PLANT PER POT   | 2 TO 3-GAL.<br>(25 TO 30-CM) POT,<br>3 PLANTS PER POT | HEIGHT                  | USDA<br>HARDINESS<br>ZONES | BLOOM<br>MONTHS        |  |
| Recommended  | PGRs generally not<br>needed   | White fly  | Unrooted: 10-14 wks<br>Rooted: 8-10 wks | Unrooted: 15-17 wks<br>Rooted: 10-12 wks | Unrooted: 19-22 wks<br>Rooted: 12-14 wks              | 18 in.<br>(46 cm)       | 4-8                        | May to<br>September    |  |
| Typically not required   | B-Nine/Cycocel<br>sprays 2,500/1,000<br>ppm  | Spider mites, thrips   | Not recommended                         | 9-11 wks                                 | 10-12 wks   | 24-28 in.<br>(61-71 cm) | 4-9                        | April to<br>September  |  |
| Yes  | PGRs generally not needed  | Spider mites, thrips.<br>Watch for INSV/<br>TSWV.                          | Unrooted: 10-14 wks<br>Rooted: 8-10 wks | Unrooted: 15-17 wks<br>Rooted: 10-12 wks | Unrooted: 19-22 wks<br>Rooted: 12-14 wks              | 12 in.<br>(30 cm)       | 5-8                        | April to<br>September  |  |
| Yes  | PGRs generally not needed  | White fly, spider mites  | Not recommended                         | Rooted: 10-12 wks                        | Rooted: 12-14 wks                                     | 18-20 in.<br>(46-51 cm) | 5-9                        | May to<br>August       |  |
| Recommended  | PGRs generally not needed  | Pythium can<br>be a problem if<br>overwatered. White<br>fly, spider mites. | Not recommended                         | Unrooted: 14-16 wks<br>Rooted: 10-12 wks | Unrooted: 14-16 wks<br>Rooted: 10-12 wks              | 28-30 in.<br>(71-76 cm) | 4-9                        | July to<br>September   |  |
| Yes, in cases<br>where there<br>are two or less<br>shoots.           | Configure at 600<br>ppm to increase<br>branching   | Powdery mildew<br>when pressure is<br>high.                                | Rooted: 7-9 wks                         | Rooted: 10-12 wks                        | Rooted: 12-14 wks                                     | 6-8 in.<br>(15-20 cm)   | 4-8                        | April to<br>May        |  |
| Yes, in cases<br>where there<br>are two or less<br>shoots.           | Configure at 600<br>ppm to increase<br>branching   | Powdery mildew when pressure is high.                                      | Not recommended                         | Rooted: 10-12 wks                        | Rooted: 12-14 wks                                     | 16-18 in.<br>(41-46 cm) | 4-9                        | June to<br>August      |  |
| Yes, in cases<br>where there<br>are two or less<br>shoots.           | Configure at 600<br>ppm to increase<br>branching   | Powdery mildew when pressure is high.                                      | Not recommended                         | Rooted: 10-12 wks                        | Rooted: 12-14 wks                                     | 18-20 in.<br>(46-51 cm) | 4-9                        | June to<br>August      |  |
| None   | PGRs generally not needed  | Pythium and rhizoctonia can result from overwatering.                      | 6-8 wks                                 | 10-12 wks                                | 12-14 wks   | 6-8 in.<br>(15-20 cm)   | 5-9                        | April to<br>June       |  |
| Yes  | PGRs generally not needed  | White fly, thrips  | Rooted: 6-8 wks                         | Rooted: 8-10 wks                         | Rooted: 12-14 wks                                     | 12-14 in.<br>(30-36 cm) | 7-9                        | March to<br>September  |  |
| Once for<br>smaller pot<br>sizes, twice<br>for larger<br>containers. | PGRs generally not needed  | White fly, spider mites  | Unrooted: 12-14 wks<br>Rooted: 8-10 wks | Unrooted: 14-16 wks<br>Rooted: 10-12 wks | Unrooted: 16-18 wks<br>Rooted: 12-14 wks              | 16-18 in.<br>(41-46 cm) | 7-10                       | March to<br>September  |  |
| Yes  | PGRs generally not needed  | White fly, spider mites, botrytis  | Unrooted: 13-15 wks<br>Rooted: 8-10 wks | Unrooted: 15-17 wks<br>Rooted: 10-12 wks | Unrooted: 17-19 wks<br>Rooted: 12-14 wks              | 20-22 in.<br>(51-56 cm) | 4-9                        | March to<br>September  |  |
| Yes  | PGRs generally not needed  | White fly, spider mites, botrytis  | Unrooted: 13-15 wks<br>Rooted: 8-10 wks | Unrooted: 15-17 wks<br>Rooted: 10-12 wks | Unrooted: 17-19 wks<br>Rooted: 12-14 wks              | 22-24 in.<br>(56-61 cm) | 4-9                        | March to<br>September  |  |
| Typically not required   | Will respond to<br>300 ppm Configure<br>spray at young<br>plant level  | Spider mites   | Not recommended                         | 10-12 wks                                | 12-14 wks   | 14-16 in.<br>(36-41 cm) | 4-9                        | March to<br>September  |  |
| One pinch,<br>two to three<br>weeks after<br>transplant.             | PGRs generally not needed  | Generally pest and disease free.   | Unrooted: 10-12 wks<br>Rooted: 6 wks    | Unrooted: 12-14 wks<br>Rooted: 8-10 wks  | Not recommended                                       | 2-4 in.<br>(5-10 cm)    | 3-9                        |                        |  |
| One pinch,<br>two to three<br>weeks after<br>transplant.             | PGRs generally<br>not needed. B9<br>is effective if<br>needed, especially<br>under lower light<br>conditions | Generally pest and disease free.   | Unrooted: 10-12 wks<br>Rooted: 6 wks    | Unrooted: 12-14 wks<br>Rooted: 8-10 wks  | Not recommended                                       | 7-10 in.<br>(18-25 cm)  | 5-9                        | July to<br>August      |  |
| One pinch,<br>two to three<br>weeks after<br>transplant.             | PGRs generally not needed  | Generally pest and disease free.   | Unrooted: 10-12 wks<br>Rooted: 6 wks    | Unrooted: 12-14 wks<br>Rooted: 8-10 wks  | Unrooted: 15-17 wks<br>Rooted: 10-12 wks              | 3-6 in.<br>(8-15 cm)    | 4-9                        | Non-<br>flowering      |  |
| One pinch,<br>two to three<br>weeks after<br>transplant.             | PGRs generally not needed  | Generally pest and disease free.   | Unrooted: 10-12 wks<br>Rooted: 6 wks    | Unrooted: 12-14 wks<br>Rooted: 8-10 wks  | Not recommended                                       | 2-5 in.<br>(5-13 cm)    | 5-9                        | July to<br>August      |  |
| Typically not required   |  | Not particularly<br>sensitive. Use well-<br>drained media.                 | Rooted: 4-6 wks                         | Rooted: 6-8 wks                          | 10-12 wks   | 2-5 in.<br>(5-13 cm)    | 4-8                        | June to<br>July        |  |
| Yes  | PGRs generally not needed  | Aphids, white fly  | Not recommended                         | Unrooted: 14-16 wks<br>Rooted: 10-12 wks | Unrooted: 16-18 wks<br>Rooted: 12-14 wks              | 14-18 in.<br>(36-46 cm) | 4-9                        | April to<br>September  |  |
| Yes  | PGRs generally not needed  | Aphids, white fly  | Unrooted: 10-14 wks<br>Rooted: 8-10 wks | Unrooted: 14-16 wks<br>Rooted: 10-12 wks | Unrooted: 16-18 wks<br>Rooted: 12-14 wks              | 12-14 in.<br>(30-36 cm) | 4-9                        | May to<br>October      |  |
| Recommended  | PGRs generally not needed  | Watch for<br>thielaviopsis,<br>pythium, white fly,<br>spider mites.        | Unrooted: 11-13 wks<br>Rooted: 6-8 wks  | Unrooted: 13-15 wks<br>Rooted: 8-10 wks  | Unrooted: 13-15 wks<br>Rooted: 8-10 wks               | 8-10 in.<br>(20-25 cm)  | 4-9                        | February to<br>October |  |

# **REGIONAL TOP PICKS**

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

| FLOWERING SEASON | PACIFIC NORTHWEST                                      | SOUTHEAST  | SOUTHWEST  |  |
|------------------|--|--|--|--|
| LATE WINTER      | Dianthus Mountain Frost™                               | Dianthus Mountain Frost™                           | Dianthus Mountain Frost™                           |  |
|                  | Iberis 'Snowsation'                                    | Iberis 'Snowsation'                                | Iberis 'Snowsation'                                |  |
|                  | Lavender Primavera                                     | Lavender Primavera                                 | Lavender Primavera                                 |  |
|                  | Viola Halo   | Viola Halo   | Viola Halo   |  |
|                  | Phlox Spring Splash™                                   | Phlox Spring Splash™                               | Phlox Spring Splash™                               |  |
| EARLY SPRING     | Dianthus Mountain Frost™                               | Dianthus Mountain Frost™                           | Dianthus Mountain Frost™                           |  |
|                  | Heuchera Carnival                                      | Heuchera Carnival                                  | Heuchera Carnival                                  |  |
|                  | Iberis 'Snowsation'                                    | Iberis 'Snowsation'                                | Iberis 'Snowsation'                                |  |
|                  | Lavender Anouk, Primavera, Lavinnova®                  | Lavender Anouk, Primavera, Lavinnova®              | Lavender Anouk, Primavera, Lavinnova®              |  |
|                  | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™     | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™ | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™ |  |
|                  | Salvia Lyrical™, Marvel, Mirage™                       | Salvia Lyrical™, Marvel, Mirage™                   | Salvia Lyrical™, Marvel, Mirage™                   |  |
|                  | Veronica Moody Blues®                                  | Veronica Moody Blues®                              | Veronica Moody Blues®                              |  |
|                  | Viola Halo   | Viola Halo   | Viola Halo   |  |
| SPRING           | Achillea Milly Rock™, New Vintage™                     | Achillea Milly Rock™, New Vintage™                 | Achillea Milly Rock™, New Vintage™                 |  |
|                  | Coreopsis UpTick™                                      | Coreopsis UpTick™                                  | Coreopsis UpTick™                                  |  |
|                  | Dianthus Mountain Frost™                               | Dianthus Mountain Frost™                           | Dianthus Mountain Frost™                           |  |
|                  | Digitalis Arctic Fox™ Rose                             | Digitalis Arctic Fox™ Rose                         | Digitalis Arctic Fox™ Rose                         |  |
|                  | Echinacea Sombrero $^{\otimes}$ , Double Scoop $^{TM}$ | Echinacea Sombrero®, Double Scoop™                 | Echinacea Sombrero®, Double Scoop™                 |  |
|                  | Heuchera Carnival                                      | Heuchera Carnival                                  | Heuchera Carnival                                  |  |
|                  | Lavender 'SuperBlue', Primavera                        | Lavender 'SuperBlue', Primavera                    | Lavender 'SuperBlue', Primavera                    |  |
|                  | Leucanthemum Whitecap                                  | Leucanthemum Whitecap                              | Leucanthemum Whitecap                              |  |
|                  | Miscanthus Bandwidth                                   | Miscanthus Bandwidth                               | Miscanthus Bandwidth                               |  |
|                  | Monarda Balmy™   | Monarda Balmy™                                     | Monarda Balmy™                                     |  |
|                  | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™     | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™ | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™ |  |
|                  | Penstemon Rock Candy®                                  | Penstemon Rock Candy®                              | Penstemon Rock Candy®                              |  |
|                  | Salvia Lyrical™, Marvel                                | Salvia Lyrical™, Marvel                            | Salvia Lyrical™, Marvel                            |  |
|                  | Stachys Little Lamb                                    | Stachys Little Lamb                                | Stachys Little Lamb                                |  |
|                  | Veronica Moody Blues®                                  | Veronica Moody Blues®                              | Veronica Moody Blues®                              |  |
|                  | Sedum Shamrock   | Sedum Shamrock                                     | Sedum Shamrock                                     |  |
|                  |  |  |  |  |

| CANADA   | MIDWEST  | GREAT LAKES  | NORTHEAST  |
|--|--|--|--|
|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Dianthus Mountain Frost™                           | Dianthus Mountain Frost™                           | Dianthus Mountain Frost™                           | Dianthus Mountain Frost™                           |
| Heuchera Carnival                                  | Heuchera Carnival                                  | Heuchera Carnival                                  | Heuchera Carnival                                  |
| Iberis 'Snowsation'                                | Iberis 'Snowsation'                                | Iberis 'Snowsation'                                | Iberis 'Snowsation'                                |
| Lavender Anouk, Primavera, Lavinnova®              |
| Viola Halo   | Viola Halo   | Viola Halo   | Viola Halo   |
| Phlox Spring Splash™                               | Phlox Spring Splash™                               | Phlox Spring Splash™                               | Phlox Spring Splash™                               |
|  |  |  |  |
|  |  |  |  |
| Achillea Milly Rock™, New Vintage™                 |
| Dianthus Mountain Frost™                           | Coreopsis UpTick™                                  | Coreopsis UpTick™                                  | Coreopsis UpTick™                                  |
| Digitalis Arctic Fox™ Rose                         | Dianthus Mountain Frost™                           | Dianthus Mountain Frost™                           | Dianthus Mountain Frost™                           |
| Echinacea Sombrero®, Double Scoop™                 | Digitalis Arctic Fox™ Rose                         | Digitalis Arctic Fox™ Rose                         | Digitalis Arctic Fox™ Rose                         |
| Heuchera Carnival                                  | Echinacea Sombrero®, Double Scoop™                 | Echinacea Sombrero®, Double Scoop™                 | Echinacea Sombrero®, Double Scoop™                 |
| Lavender 'SuperBlue', Primavera                    | Heuchera Carnival                                  | Heuchera Carnival                                  | Heuchera Carnival                                  |
| Leucanthemum Whitecap                              | Lavender 'SuperBlue', Primavera                    | Lavender 'SuperBlue', Primavera                    | Lavender 'SuperBlue', Primavera                    |
| Monarda Balmy™                                     | Leucanthemum Whitecap                              | Leucanthemum Whitecap                              | Leucanthemum Whitecap                              |
| Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™ | Miscanthus Bandwidth                               | Miscanthus Bandwidth                               | Miscanthus Bandwidth                               |
| Salvia Lyrical™, Marvel                            | Monarda Balmy™                                     | Monarda Balmy™                                     | Monarda Balmy™                                     |
| Stachys Little Lamb                                | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™ | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™ | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™ |
| Veronica Moody Blues®                              | Penstemon Rock Candy®                              | Penstemon Rock Candy®                              | Penstemon Rock Candy®                              |
| Viola Halo   | Salvia Lyrical™, Marvel                            | Salvia Lyrical™, Marvel                            | Salvia Lyrical™, Marvel                            |
| Sedum Shamrock                                     | Stachys Little Lamb                                | Stachys Little Lamb                                | Stachys Little Lamb                                |
|  | Veronica Moody Blues®                              | Veronica Moody Blues®                              | Veronica Moody Blues®                              |
|  | Viola Halo   | Viola Halo   | Viola Halo   |
|  | Sedum Shamrock                                     | Sedum Shamrock                                     | Sedum Shamrock                                     |
|  |  |  |  |

# REGIONAL TOP PICKS Continued

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

| FLOWERING SEASON                 | PACIFIC NORTHWEST   | SOUTHEAST   | SOUTHWEST   |  |
|----------------------------------|---|---|---|--|
| SUMMER*                          | Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                        |  |
|                                  | Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® | Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® | Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® |  |
|                                  | Digitalis Arctic Fox™ Rose                                | Digitalis Arctic Fox™ Rose                                | Digitalis Arctic Fox™ Rose                                |  |
|                                  | Lavender 'SuperBlue', Primavera                           | Kniphofia Glowstick                                       | Kniphofia Glowstick                                       |  |
|                                  | Leucanthemum Whitecap                                     | Lavender 'SuperBlue'                                      | Lavender 'SuperBlue'                                      |  |
|                                  | Monarda Balmy™  | Perovskia 'CrazyBlue'                                     | Perovskia 'CrazyBlue'                                     |  |
|                                  | Nepeta Blue Prelude™                                      | Phlox Ka-Pow®, Super Ka-Pow™                              | Phlox Ka-Pow®, Super Ka-Pow™                              |  |
|                                  | Perovskia 'CrazyBlue'                                     | Salvia Lyrical™, Marvel                                   | Salvia Lyrical™, Marvel                                   |  |
|                                  | Phlox Ka-Pow®, Super Ka-Pow™                              | Veronica Moody Blues®                                     | Agastache Summerlong™                                     |  |
|                                  | Salvia Lyrical™, Marvel                                   | Agastache Summerlong™                                     | Sedum Shamrock  |  |
|                                  | Veronica Moody Blues®                                     | Sedum Shamrock  |   |  |
|                                  | Agastache Summerlong™                                     |   |   |  |
|                                  | Sedum Shamrock  |   |   |  |
|                                  |   |   |   |  |
|                                  |   |   |   |  |
| FALL*                            | Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                        |  |
|                                  | Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® | Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® | Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® |  |
|                                  | Coreopsis UpTick™   | Coreopsis UpTick™   | Coreopsis UpTick™   |  |
|                                  | Digitalis Arctic Fox™ Rose                                | Digitalis Arctic Fox™ Rose                                | Digitalis Arctic Fox™ Rose                                |  |
|                                  | Echinacea Sombrero®, Double Scoop™                        | Echinacea Sombrero®, Double Scoop™                        | Echinacea Sombrero®, Double Scoop™                        |  |
|                                  | Heuchera Carnival   | Heuchera Carnival   | Heuchera Carnival   |  |
|                                  | Lavender 'SuperBlue', Primavera                           | Kniphofia Glowstick                                       | Kniphofia Glowstick                                       |  |
|                                  | Miscanthus Bandwidth                                      | Miscanthus Bandwidth                                      | Miscanthus Bandwidth                                      |  |
|                                  | Penstemon Rock Candy®                                     | Penstemon Rock Candy®                                     | Penstemon Rock Candy®                                     |  |
|                                  | Perovskia 'CrazyBlue'                                     | Perovskia 'CrazyBlue'                                     | Perovskia 'CrazyBlue'                                     |  |
|                                  | Salvia Lyrical™, Marvel, Mirage™                          | Salvia Lyrical™, Marvel, Mirage™                          | Salvia Lyrical™, Marvel, Mirage™                          |  |
|                                  | Agastache Summerlong™                                     | Agastache Summerlong™                                     | Agastache Summerlong™                                     |  |
|                                  | Sedum Shamrock  | Sedum Shamrock  | Sedum Shamrock  |  |
| * Many of these varieties are in | ncluded in our Summer and Fall culture trials.            | ·   | · · · · · · · · · · · · · · · · · · ·                     |  |

| CANADA  | MIDWEST   | GREAT LAKES   | NORTHEAST   |
|---|---|---|---|
| Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                      |
| Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® | Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® | Caryopteris 'Gold Crest', 'Emerald Crest',<br>Grand Bleu® | Caryopteris 'Gold Crest', 'Emerald Crest<br>Grand Bleu® |
| Digitalis Arctic Fox™ Rose                                | Digitalis Arctic Fox™ Rose                                | Digitalis Arctic Fox™ Rose                                | Digitalis Arctic Fox™ Rose                              |
| Lavender 'SuperBlue', Primavera                           | Echinacea Sombrero®, Double Scoop™                        | Lavender 'SuperBlue', Primavera                           | Echinacea Sombrero®, Double Scoop™                      |
| Leucanthemum Whitecap                                     | Kniphofia Glowstick                                       | Leucanthemum Whitecap                                     | Lavender 'SuperBlue', Primavera                         |
| Monarda Balmy™  | Lavender 'SuperBlue', Primavera                           | Monarda Balmy™  | Leucanthemum Whitecap                                   |
| Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™        | Leucanthemum Whitecap                                     | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™        | Monarda Balmy™  |
| Perovskia 'CrazyBlue'                                     | Monarda Balmy™  | Perovskia 'CrazyBlue'                                     | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™      |
| Phlox Ka-Pow®, Super Ka-Pow™                              | Nepeta Blue Prelude™, Whispurr™,<br>Junior Walker™        | Phlox Ka-Pow®, Super Ka-Pow™                              | Perovskia 'CrazyBlue'                                   |
| Salvia Lyrical™, Marvel                                   | Perovskia 'CrazyBlue'                                     | Salvia Lyrical™, Marvel                                   | Phlox Ka-Pow®, Super Ka-Pow™                            |
| Veronica Moody Blues®                                     | Phlox Ka-Pow®, Super Ka-Pow™                              | Veronica Moody Blues®                                     | Salvia Lyrical™, Marvel                                 |
| Agastache Summerlong™                                     | Salvia Lyrical™, Marvel                                   | Agastache Summerlong™                                     | Veronica Moody Blues®                                   |
| Sedum Shamrock  | Veronica Moody Blues®                                     | Sedum Shamrock  | Agastache Summerlong™                                   |
|   | Agastache Summerlong™                                     |   | Sedum Shamrock  |
|   | Sedum Shamrock  |   |   |
| Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                        | Achillea Milly Rock™, New Vintage™                      |
| Coreopsis UpTick™   | Coreopsis UpTick™   | Coreopsis UpTick™   | Coreopsis UpTick™                                       |
| Digitalis Arctic Fox™ Rose                                | Digitalis Arctic Fox™ Rose                                | Digitalis Arctic™ Fox Rose                                | Digitalis Arctic Fox™ Rose                              |
| Echinacea Sombrero®, Double Scoop™                        | Echinacea Sombrero®, Double Scoop™                        | Echinacea Sombrero®, Double Scoop™                        | Echinacea Sombrero®, Double Scoop™                      |
| Heuchera Carnival   | Heuchera Carnival   | Heuchera Carnival   | Heuchera Carnival                                       |
| Lavender 'SuperBlue', Primavera                           | Kniphofia Glowstick                                       | Lavender 'SuperBlue', Primavera                           | Lavender 'SuperBlue', Primavera                         |
| Penstemon Rock Candy®                                     | Lavender 'SuperBlue', Primavera                           | Miscanthus Bandwidth                                      | Miscanthus Bandwidth                                    |
| Perovskia 'CrazyBlue'                                     | Miscanthus Bandwidth                                      | Penstemon Rock Candy®                                     | Penstemon Rock Candy®                                   |
| Salvia Lyrical™, Marvel™                                  | Penstemon Rock Candy®                                     | Perovskia 'CrazyBlue'                                     | Perovskia 'CrazyBlue'                                   |
| Agastache Summerlong™                                     | Perovskia 'CrazyBlue'                                     | Salvia Lyrical™, Marvel                                   | Salvia Lyrical™, Marvel                                 |
| Sedum Shamrock  | Salvia Lyrical™, Marvel                                   | Agastache Summerlong™                                     | Agastache Summerlong™                                   |
|   | Agastache Summerlong™                                     | Sedum Shamrock  | Sedum Shamrock  |
|   | Sedum Shamrock  |   |   |

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NOTE: DARWIN PERENNIALS IS A DIVISION OF BALL HORTICULTURAL COMPANY (BALL). DARWIN PERENNIALS **TERMS & CONDITIONS** OF SALE ARE COUNTRY/ REGION SPECIFIC. VISIT DARWINPERENNIALS.COM FOR CURRENT TERMS & CONDITIONS, THE **FOLLOWING TERMS &** CONDITIONS OF SALE APPLY TO UNROOTED CUTTINGS OR ROOTED LINERS SOLD BY BALL WITHIN THE UNITED STATES AND CANADA

### **ACCEPTANCE OF TERMS**

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#### **MANDATORY ARBITRATION**

ANY CLAIM WHICH PURCHASER MAY HAVE AGAINST SELLER ARISING OUT OF OR RELATING TO THE SALE OF THE MERCHANDISE SHALL BE SETTLED BY BINDING ARBITRATION IN ACCORDANCE WITH THE COMMERCIAL ARBITRATION RULES OF THE AMERICAN ARBITRATION ASSOCIATION, SAID ARBITRATION TO BE VENUED IN COOK OR DUPAGE COUNTIES, ILLINOIS.

### GOVERNING LAW. **JURISDICTION & VENUE**

The laws of the State of Illinois. including but not limited to the Uniform Commercial Code as adopted therein, shall govern all matters arising out of or relating to Seller's sale of merchandise. ANY DISPUTE NOT SUBJECT TO ARBITRATION AND ANY ACTION TO ENFORCE AN ARBITRATION AWARD ARISING OUT OF OR RELATING TO THE SALE OF MERCHANDISE HEREUNDER SHALL BE MAINTAINED IN THE STATE OR FEDERAL COURTS LOCATED IN DUPAGE OR COOK COUNTIES, ILLINOIS, AND PURCHASER SUBMITS TO THE JURISDICTION OF AND VENUE IN SAID COURTS.

### INDEMNITY

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

### **PRICES**

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

### **PAYMENT**

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

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

#### FREIGHT & HANDLING CHARGES, INSPECTION, DAMAGED GOODS

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

### CANCELLATION POLICY

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

### **NOTICE & RETURN**

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

### DELAYS, SHORTAGES & **SUBSTITUTIONS**

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

### PLANT PROTECTION

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

### TRADEMARKS

® denotes a U.S. registered trademark and ™ denotes a trademark of Ball Horticultural Company, unless otherwise indicated.

### **SALES LIMITATIONS**

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

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



# BLOOM·ables





Build your Bloomables Perennials program today. Scan QR Code for a full listing or ask your Star Roses Territory Manager.

# TRIAL LOCATIONS

Visit any of these trial sites to see how Darwin Perennials newest and best genetics perform in the landscape.







### **University of Guelph**

Guelph, ON, Canada

### **Landscape Ontario**

Milton, ON, Canada

### **Vanstone Nurseries**

Portage la Prairie, MB, Canada

### Colorado State University

Fort Collins, CO

### **University of Georgia**

Athens. GA

### **Iowa Arboretum**

Madrid, IA

### The Gardens at Ball

West Chicago, IL

### Louisiana State University

Shreveport, LA

### **Raker Trial Gardens**

Litchfield, MI

### **University of Minnesota**

Morris, MN

### **Mississippi State University**

Mississippi State, MS

### Metrolina Trial Garden

Huntersville, NC

### North Carolina State University

Raleigh, NC

### North Dakota State University

Fargo, ND

### Cincinnati Zoo

Cincinnati, OH

### **The Ohio State University**

Columbus, OH

### **Longwood Gardens**

Kennett Square, PA

### **Green Leaf Plants**

Smoketown. PA

### **Penn State University**

University Park, PA

### Star® Roses and Plants

Trials

West Grove, PA

### Fort Worth Botanical Garden

Fort Worth, TX

### **Smith Gardens**

Marysville, WA

### **University of Wisconsin**

Madison, WI



Make **Darwin Perennials Day** an annual occasion!

Week 25 in The Gardens at Ball

· Tour our Trial Gardens.

· Visit with more than 25 vendors.

Connect with your industry peers.

• Enjoy a catered lunch.

 Expand your professional knowledge thanks to educational stations, a keynote speaker and behind-the scenes tours.

Take home a free plant!

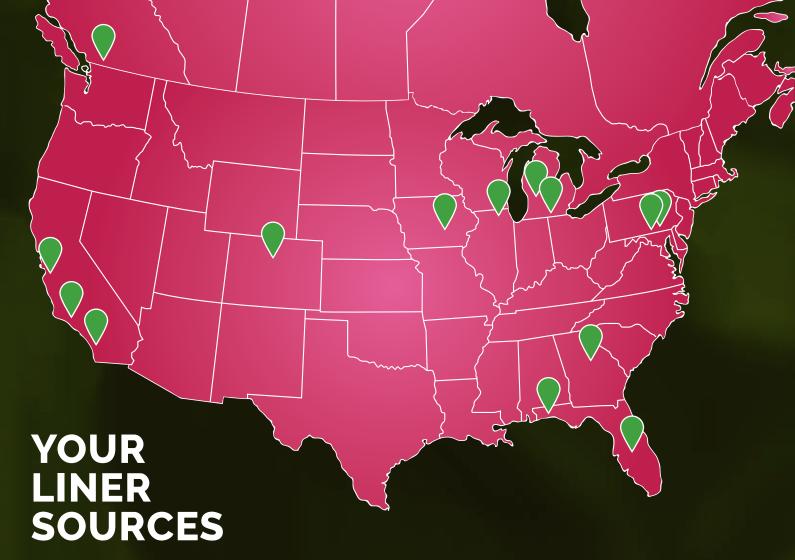
Darwin Perennials Day is Week 25 in the Gardens at Ball.

Scan to see highlights of the day's events.









Order Darwin Perennials liners and check live inventory at **starrosesandplants.com/startrack**.

**Ball Tagawa** *Arroyo Grande, CA* 

Plug Connection Vista, CA

Pacific Plug & Liner Watsonville, CA

**Qualitree Propagators, Inc.** *Chilliwack, BC, Canada* 

Gulley Greenhouse, Inc. Fort Collins. CO

**Emerald Coast Growers** 

Pensacola, FL

Knox Nursery, Inc. Winter Garden, FL

James Greenhouses Colbert, GA

**Swift Greenhouses, Inc.** *Gilman. IA* 

**GET Group, Inc.** *Woodstock, IL* 

Raker-Roberta's Young Plants Litchfield, MI

Walters Gardens Zeeland, MI

Gro 'n Sell, Inc. Chalfont, PA North Creek Nurseries, Inc. Landenberg, PA

Creek Hill Nursery Leola, PA

Green Leaf Plants (Aris Horticulture) Smoketown, PA

Contact your Territory Sales Manager today.

Star® Roses and Plants 800 457-1859 Star ROSES and PLANTS

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