

A decorative graphic featuring a central white circle with a light gray gradient background. The circle is surrounded by various colorful shapes, including teardrop and circular forms in shades of green, blue, pink, yellow, red, and purple. Some shapes have a slight shadow or gradient effect. The text "selecta" is written in a bold, black, sans-serif font, with a small red circle containing the word "one" and a registered trademark symbol (®) to its upper right. Below "selecta" is the year "2022" in a large, bold, red, sans-serif font.

**selecta** **one**®

**2022**

# INNOVATIVE &



**NEW** Mandala™  
Double Orange Kalanchoe

**NEW**

## Potted Plants

page 105

Check out our new potted plants category, featuring NEW Mandala™, the most uniform Kalanchoe series in habit and timing, for your growing success!

**NEW**

## Beats™ Verbena Series

page 100

Compact, heat-tolerant series needs no pinch or PGRs and flowers 2 weeks earlier than the competition, never missing a beat of color.



**NEW** Beats™  
Purple+White Verbena

# NEW FOR 2022

**NEW**

## Sky Petunias

page 84

Explore the widest selection of Sky Petunias, featuring stellar patterns with the best stability and reliability on the market - light years ahead of the rest! Available in two new colors for 2022.



**NEW Starlet™**  
Midnight Sky Petunia

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## Terminology

### 22 Upgraded Variety

Varieties noted as 22 represent a significant improvement compared to last year's genetics.

### HIGH DENSITY

Varieties are especially suitable for high-density production and quick-turning crops. Mounding, compact habit, easy-to-control vigor and early flowering allow for high-density growing and shipping.

### SUN LOVER

Varieties are especially suitable for hot areas and growing in warmer temperatures.

### NO PINCH

Varieties mean savings on labor costs, less sanitary risk and shorter crop times.

### USDA Hardiness Zones

Information on USDA Hardiness Zones for our perennials is provided on a separate line and in bold type below the description of each variety, for your convenience.

#### Ⓥ Vigor

- 1 low
- 2 low-medium
- 3 medium
- 4 medium-high
- 5 high

#### 🕒 Flowering Time

- 1 very early
- 2 early
- 3 standard

#### ☀️ Heat Tolerance

- A excellent
- B very good
- C good

## Online resources

### Product Selection Made Simple

On the Selecta One website, we have streamlined the organization of our Trixi® Combo program to aid in your selection process - with breakouts across flowering time, mono or multi-species combos, color grouping and of course what's new!

To view these product selection tools as well as additional information on our entire assortment plus growing recommendations, visit [SelectaNorthAmerica.com](http://SelectaNorthAmerica.com).



























# Trixi<sup>®</sup> Combos

# COMBOS THAT INSPIRE

Provide color inspiration for the at-home gardener with Trixi® Combos! In this assortment, you will find a range of complementary colors, textures and patterns that grow well together. Our mono combos demonstrate the strength and performance of a single class. This year, **NEW Beats™ Verbena** brings a compact, heat-tolerant option to the program with romantic **NEW Trixi Heartbeat** and patriotic **NEW Trixi Little Liberty**.

MONO COMBOS			MONO COMBOS		
	<b>NEW</b> Batting Eyes 22	Page 13		Double Take	Page 18
	<b>NEW</b> Break the Ice	Page 20		Double The Heat (Duo)	Page 13
	<b>NEW</b> Crystallize (Duo)	Page 21		Flirtini	Page 7
	<b>NEW</b> Heartbeat (Duo)	Page 14		Gold & Bold	Page 10
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	Caribbean Cocktail	Page 13		Written in the Stars (Duo)	Page 7
	Daisy Falls	Page 6		You PINKed My Interest	Page 16
	Double Date	Page 10			

Multi-species combos showcase an outstanding color and texture contrast that is still easy to produce. Our ever-expanding lineup features combos with top-selling varieties, stellar Sky Petunias, double bicolor calibrachos exclusive to Selecta One, and more. With Trixi, there's a combo for any occasion!

MULTI-SPECIES COMBOS			MULTI-SPECIES COMBOS		
	<b>NEW</b> Cajun Flare 22	Page 8		La Bomba	Page 9
	<b>NEW</b> Charged Up Cherry! 22	Page 11		Liberty Bell	Page 25
	<b>NEW</b> Chemical Attraction 22	Page 18		Lip Sync	Page 11
	<b>NEW</b> Purple Lace	Page 20		Night Watch	Page 8
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# Trixi Combos – a Spectrum of Color for Every Occasion



### Popular Demand

MiniFamous® Neo Double Deep Yellow Calibrachoa  
 MiniFamous® Uno Violet Star Calibrachoa  
 Daisy Falls™ Purple Osteospermum

Ⓟ 4 Ⓢ 1 Ⓢ B

VERY EARLY



### Daisy Falls

Daisy Falls™ Pink Osteospermum  
 Daisy Falls™ Purple Osteospermum  
 Daisy Falls™ White Amethyst Osteospermum

Ⓟ 4 Ⓢ 1 Ⓢ B

VERY EARLY



### Daisy Dance

MiniFamous® Neo Orange+Red Eye Calibrachoa  
 Daisy Falls™ Purple Osteospermum  
 Lascar™ Mango Orange Verbena

Ⓟ 4 Ⓢ 1 Ⓢ B

VERY EARLY





**Twinkle Star**

Big Falls™ Pearl Bacopa  
 Namid™ Early Yellow Bidens  
 MiniFamous® Neo Dark Blue Calibrachoa

Ⓟ 3 Ⓟ 1 Ⓟ B

VERY EARLY



**Written in the Stars**

MiniFamous® Neo Deep Yellow Calibrachoa  
 MiniFamous® Uno Violet Star Calibrachoa

Ⓟ 3 Ⓟ 2 Ⓟ B



**Out of the Blue**

Namid™ Early Yellow Bidens  
 Magadi™ Dark Blue Lobelia  
 Lascar™ White Verbena

Ⓟ 2 Ⓟ 2 Ⓟ C



**Flirtini**

MiniFamous® Neo Double Amethyst Calibrachoa  
 MiniFamous® Neo Double Lemon Calibrachoa  
 MiniFamous® Uno Double Light Pink Calibrachoa

Ⓟ 3 Ⓟ 2 Ⓟ B



**Bolero**

MiniFamous® Neo Dark Blue Calibrachoa  
 MiniFamous® Neo Deep Yellow Calibrachoa  
 MiniFamous® Neo Vampire Calibrachoa

Ⓟ 3 Ⓜ 2 Ⓢ B



**Cajun Flare 22**

Namid™ Early Yellow Bidens  
 Starlet™ Blueberry Vein Petunia  
 Lascar™ Burgundy Verbena

Ⓟ 2 Ⓜ 1 Ⓢ B

VERY EARLY



**Night Watch**

Namid™ Special Yellow Bidens  
 Starlet™ Velvet Petunia  
 Blues™ Red Verbena

Ⓟ 2 Ⓜ 2 Ⓢ B



**Crazy for Crayons**

Namid™ Early Yellow Bidens  
 MiniFamous® Neo Dark Blue Calibrachoa  
 Lascar™ Burgundy Verbena

Ⓧ 3 Ⓡ 1 Ⓢ B

VERY EARLY



**La Bomba**

Namid™ Early Yellow Bidens  
 MiniFamous® Neo Dark Blue Calibrachoa  
 Headliner™ Red Petunia

Ⓧ 4 Ⓡ 2 Ⓢ B



**Pop the Bubbly**

Namid™ Early Yellow Bidens  
 Starlet™ Yellow Petunia  
 Lascar™ White Verbena

Ⓧ 2 Ⓡ 2 Ⓢ C



**TOP SELLER**



**Double Date**

MiniFamous® Neo Double Dark Blue Calibrachoa  
 MiniFamous® Neo Double Deep Yellow Calibrachoa  
 MiniFamous® Uno Double Red Calibrachoa

Ⓟ 3 Ⓜ 2 Ⓢ B



**TOP SELLER**



**Gold & Bold**

MiniFamous® Neo Dark Blue Calibrachoa  
 MiniFamous® Neo Deep Yellow Calibrachoa  
 MiniFamous® Neo Purple Calibrachoa

Ⓟ 3 Ⓜ 2 Ⓢ B



TOP SELLER



**Lollipop**

MiniFamous<sup>®</sup> Neo Blue Calibrachoa  
 MiniFamous<sup>®</sup> Neo Deep Yellow Calibrachoa  
 MiniFamous<sup>®</sup> Neo Pink Calibrachoa

Ⓧ 3 Ⓞ 2 Ⓢ B



**Lip Sync**

MiniFamous<sup>®</sup> Uno Yellow Calibrachoa  
 Magadi™ Dark Blue Lobelia  
 Headliner™ Lipstick Petunia

Ⓧ 4 Ⓞ 1 Ⓢ B

VERY EARLY



**NEW**

**Charged Up Cherry! 22**

NEW MiniFamous<sup>®</sup> Neo Pink Hawaii Calibrachoa  
 MiniFamous<sup>®</sup> Uno Double Lemon Calibrachoa  
 Blues™ Magenta+Eye Verbena

Ⓧ 2 Ⓞ 2 Ⓢ B



**TOP SELLER**



**NEW**

**Who Knew Orleans 22**

**NEW** MiniFamous® Uno Yellow+Red Vein 22 Calibrachoa  
 Headliner™ Red Petunia  
 Lascar™ Mango Orange Verbena

Ⓧ 4 Ⓞ 2 Ⓢ B



**TOP SELLER**



**Sunset**

MiniFamous® Neo Deep Orange Calibrachoa  
 MiniFamous® Neo Vampire Calibrachoa  
 MiniFamous® Uno Yellow Calibrachoa

Ⓧ 3 Ⓞ 2 Ⓢ B



TOP SELLER



**Caribbean Cocktail**

MiniFamous<sup>®</sup> Neo Blue Calibrachoa  
 MiniFamous<sup>®</sup> Neo Orange+Red Eye Calibrachoa  
 MiniFamous<sup>®</sup> Neo Vampire Calibrachoa

Ⓟ 3 ⌚ 2 Ⓢ B



**Double The Heat**

MiniFamous<sup>®</sup> Neo Double OrangeTastic Calibrachoa  
 MiniFamous<sup>®</sup> Uno Double Red Calibrachoa

Ⓟ 3 ⌚ 1 Ⓢ B

VERY EARLY



**NEW**

**Batting Eyes 22**

MiniFamous<sup>®</sup> Neo Orange+Red Eye Calibrachoa  
 MiniFamous<sup>®</sup> Neo Salmon Pink+Eye Calibrachoa  
**NEW** MiniFamous<sup>®</sup> Uno Yellow+Red Vein 22 Calibrachoa

Ⓟ 3 ⌚ 2 Ⓢ B



**NEW**

**Heartbeat**

**NEW Beats™** Red Verbena  
**NEW Beats™** Red+White Verbena

Ⓟ 1 Ⓢ 1 Ⓢ B

NO PINCH, HIGH DENSITY



**Geisha Girl**

**MiniFamous®** Neo Salmon Pink+Eye Calibrachoa  
**Headliner™** Red Petunia  
**Lascar™** Red Rose Verbena

Ⓟ 4 Ⓢ 2 Ⓢ B

**TOP SELLER**





TOP SELLER



**Strawberry Shortcake**

Big Falls™ White Bacopa  
 MiniFamous® Neo Light Pink+Eye Calibrachoa  
 Lascar™ Burgundy Verbena

Ⓧ 4 Ⓞ 1 Ⓢ B

VERY EARLY



**Two to Tango**

MiniFamous® Neo Double Purple Calibrachoa  
 MiniFamous® Uno Double PinkTastic Calibrachoa

Ⓧ 3 Ⓞ 2 Ⓢ B



**TOP SELLER**



**Cherry Kiss**

MiniFamous® Neo Salmon Pink+Eye Calibrachoa  
 Headliner™ Lipstick Petunia  
 Blues™ Light Pink+Eye Verbena

Ⓥ 4 Ⓢ 2 Ⓜ B



**Hotter than You Pink**

Headliner™ Lipstick Petunia  
 Headliner™ Pink Vein Petunia  
 Headliner™ White Petunia

Ⓥ 4 Ⓢ 2 Ⓜ B



**You PINKed My Interest**

Gisele® Hot Pink Phlox  
 Gisele® Pink Phlox  
 Gisele® White Phlox

Ⓥ 2 Ⓢ 1 Ⓜ A

**VERY EARLY, SUN LOVER**



TOP SELLER



NEW

**Raspberry Sorbet 22**

MiniFamous<sup>®</sup> Uno White Calibrachoa  
 Starlet<sup>™</sup> Magenta Star Petunia  
 Blues<sup>™</sup> Magenta+Eye Verbena

Ⓥ 2 Ⓞ 2 Ⓢ B



**Twice As Nice**

MiniFamous<sup>®</sup> Neo Double Dark Blue Calibrachoa  
 MiniFamous<sup>®</sup> Neo Double Purple Calibrachoa  
 MiniFamous<sup>®</sup> Uno Double Red Calibrachoa

Ⓥ 3 Ⓞ 2 Ⓢ B



**NEW**

**Chemical Attraction 22**

MiniFamous® Uno White Calibrachoa  
 Magadi™ Electric Purple Lobelia  
 Headliner™ Electric Purple Sky Petunia

Ⓧ 4 Ⓜ 1 Ⓢ C

VERY EARLY



**Double Take**

MiniFamous® Uno Double Dark Blue Calibrachoa  
 MiniFamous® Uno Double PinkTastic Calibrachoa  
 MiniFamous® Uno Double Red Calibrachoa

Ⓧ 2 Ⓜ 1 Ⓢ B

VERY EARLY



**NEW**

**Party Favor 22**

MiniFamous® Neo Blue Calibrachoa  
 MiniFamous® Neo Pink Calibrachoa  
**NEW** MiniFamous® Neo White 22 Calibrachoa

Ⓧ 3 Ⓜ 2 Ⓢ B



TOP SELLER



**Berry Daring**

MiniFamous<sup>®</sup> Neo Dark Blue Calibrachoa

MiniFamous<sup>®</sup> Neo Purple Calibrachoa

MiniFamous<sup>®</sup> Neo Salmon Pink+Eye Calibrachoa

Ⓟ 3 ⌚ 2 Ⓢ B



**Starspinner**

MiniFamous<sup>®</sup> Uno Pink Star Calibrachoa

MiniFamous<sup>®</sup> Uno Violet Star Calibrachoa

Ⓟ 2 ⌚ 2 Ⓢ B



**NEW**

**Wild Berry 22**

MiniFamous<sup>®</sup> Neo Blue Calibrachoa

MiniFamous<sup>®</sup> Neo Purple Calibrachoa

**NEW** MiniFamous<sup>®</sup> Neo White 22 Calibrachoa

Ⓟ 3 ⌚ 2 Ⓢ B



**NEW**

**Break the Ice**

- MiniFamous® Neo Blue Calibrachoa
- MiniFamous® Neo Double Silver Blue Calibrachoa
- MiniFamous® Neo Violet Ice Calibrachoa

Ⓥ 2 Ⓞ 2 Ⓢ B



**NEW**

**Purple Lace**

- MiniFamous® Neo Dark Blue Calibrachoa
- MiniFamous® Neo Double PlumTastic Calibrachoa
- Blues™ Lavender+Eye Verbena

Ⓥ 2 Ⓞ 2 Ⓢ B



**NEW**

**Crystallize**

Headliner™ Crystal Sky Petunia  
Headliner™ Night Sky® Petunia

Ⓧ 4 Ⓞ 2 Ⓢ B



**On the Double**

MiniFamous® Uno Double Dark Blue Calibrachoa  
MiniFamous® Uno Double PlumTastic Calibrachoa

Ⓧ 2 Ⓞ 1 Ⓢ B

VERY EARLY

**TOP SELLER**



**Sky's the Limit**

Headliner™ Night Sky® Petunia  
 Headliner™ Sky Blue Petunia  
 Headliner™ White Petunia

Ⓧ 4 ☹ 2 ☹ B



**NEW**

**Purple with a Purpose 22**

MiniFamous® Neo Dark Blue Calibrachoa  
 MiniFamous® Neo Light Blue Calibrachoa  
**NEW** MiniFamous® Neo White 22 Calibrachoa

Ⓧ 3 ☹ 2 ☹ B

**TOP SELLER**





**Starlight Starbright**

MiniFamous® Neo Blue Calibrachoa  
 Starlet™ Lavender Star Petunia  
 BeBop™ Lavender Verbena

Ⓟ 2 Ⓢ 2 Ⓢ C



**Blueberry Parfait**

Big Falls™ Pearl Bacopa  
 MiniFamous® Neo Light Blue Calibrachoa  
 Blues™ Light Pink+Eye Verbena

Ⓟ 4 Ⓢ 2 Ⓢ B



**Walk on a Cloud**

Magadi™ Basket White Lobelia  
 Starlet™ White Petunia  
 Lascar™ White Verbena

Ⓟ 2 Ⓢ 2 Ⓢ C



TOP SELLER



NEW

**Old Glory 22**

MiniFamous® Neo Dark Blue Calibrachoa  
 MiniFamous® Neo Vampire Calibrachoa  
 NEW MiniFamous® Neo White 22 Calibrachoa

Ⓟ 3 Ⓜ 2 Ⓢ B



**Ball Game**

Headliner™ Blue Petunia  
 Headliner™ Red Petunia  
 Headliner™ White Petunia

Ⓟ 4 Ⓜ 2 Ⓢ B



**NEW**

**Little Liberty**

**NEW** Beats™ Blue Verbena  
**NEW** Beats™ Red Verbena  
**NEW** Beats™ White Verbena

Ⓟ 1 Ⓟ 1 Ⓟ B

**NO PINCH, HIGH DENSITY**



**Liberty Bell**

MiniFamous® Neo Dark Blue Calibrachoa  
 Headliner™ Red Petunia  
 Lascar™ White Verbena

Ⓟ 4 Ⓟ 2 Ⓟ A

**TOP SELLER**



# Culture Information for TrixiLiner<sup>®</sup>

## Starting with TrixiLiner

After their arrival, open the boxes and plant TrixiLiner as soon as possible. TrixiLiner can be temporarily stored in the trays. Take trays out of the box and place them on a table in the greenhouse with sufficient light and temperature. Avoid keeping them in too harsh a climate, as this may negatively influence rooting and branching after transplant.



## Growing On

**Scheduling:** TrixiLiner is a quick-to-finish crop and should not be started too early. Consider the climate for your specific area and how it may influence scheduling; know your desired sales date. Depending on the time of the season, calculate for quarts and 6-inch pots with 5 to 7 weeks using 1 plant per pot. For gallons and 8-inch pots, use 2 plants per pot and calculate with 5 to 7 weeks as well. For 10-inch baskets, use 2 to 3, and for 12-inch baskets, use 3 to 4 plants per pot and calculate with 8 to 12 weeks, depending on the time of the season and the desired size.

**Preparation:** Have the growing area ready prior to arrival of TrixiLiner liners. Thoroughly clean and disinfect the area, and use only new pots and fresh, high-quality media. If you notice any problems upon arrival, make sure to notify your supplier immediately.

**Media:** Choose a well-drained, aerated, peat-moss-based media.

**pH:** 5.4-5.8; pH levels above 6.0 may result in deficiencies (calibrachoa are in most mixes).

**Media EC:** 1.0-1.5 to start with; high salt levels may result in slower and irregular rooting.

**Getting Ready:** Moisten finish media before transplanting, but avoid saturating the media. Best, if possible, to water the pots the day before planting. Before transplanting, thoroughly water the TrixiLiner until media is saturated.

**Transplanting:** Plant into the finish container by dibbling a hole. Plant the TrixiLiner deep enough so the rooting media is level with the media in the container. Avoid planting too deep, as this will promote diseases, and avoid planting too high, as this will dry out the cutting much quicker.

**Temperature:** After transplanting TrixiLiner, keep the temperature up. Maintain night temperatures of 61-64°F (16-18°C) and day temperatures of 68-72°F (20-22°C) until plants have nicely branched, covering almost all the media surface of your pot, and have rooted well into the new media. Afterwards, lower temperatures to 55-60°F (13-16°C) and day temperatures of 64-72°F (18-22°C). Cool morning drops will result in a better plant habit and nicer colors. Drop temperature 2 hours before sunrise by 8-12°F (4-6°C) until about 2 hours after sunrise. Flowering will not be delayed as long as the average day temperature is maintained consistently. In order to keep the average day temperature up during cold and cloudy days, you may want to raise the night temperature. Toward the end of the crop you can lower the temperature further to 55-60°F (13-16°C) day and night.

**Humidity:** Below 70%.

**Ventilation:** Proper venting is one of the most important tools for preventing diseases (especially botrytis). Horizontal air flow fans will greatly improve results, especially in areas where venting during the Winter is difficult.

**Light:** High light levels promote compact growth. Provide 4,000 - to maximum 5,000 - foot candles during the main growing period.

**Watering:** Start with a moist media (wet, but not saturated); slightly water TrixiLiner after transplant, but avoid saturation of media. Avoid excessive irrigation until after roots have established, keep the media constantly moist (but not saturated), and avoid going from one extreme to the other (from dry to wet and so on). Water in the morning so foliage is dry during the night. Excessive watering will leach out nutrients and raise the pH, resulting in nutrition deficiencies (especially iron = Fe) and root diseases. Don't allow plants to dry out. Drought stress will increase crop time and may raise the salt level, which may burn the roots, promoting root diseases.

**Fertilizer:** Start a constant feed program as soon as roots show with 200-250 PPM N, using a well-balanced fertilizer, including minor elements (especially Fe). Acid-based fertilizers will help to maintain pH levels below 6.0. Additional iron may be needed if pH levels rise above 6.0. Provide sufficient drain to avoid excess salt accumulation. Optimum media EC levels are 1.8-2.2. Avoid high salt levels and fertilize in the morning. High salt levels or applications during high light levels and heat may result in burns. Use slow-release fertilizers to keep plants green at retail and at consumer.

**Pinching:** TrixiLiner is pinched and a 2nd pinch is recommended. The 2nd pinch will improve branching and help to better fill larger pots and containers. Avoid stretch, which leads to poor branching and an unstable plant (and you may have to pinch another time).

**Spacing:** Start pot tight (2 finger spacing!) and space before plants start to touch each other. Provide enough space so plants don't grow into each other, reducing the overall quality. An additional pinch correcting late spacing will extend the crop time! Hanging the baskets will improve the overall look.

**PGR:** Sprays with 2,500 PPM B-Nine or 5-20 PPM Sumagic can start about a week after transplant. Drenching TrixiLiner works very well. For pots, use 0.25-0.5 PPM Sumagic as a drench the moment side shoots are about 1 inch long. Apply the drench before lowering the temperature of the crop. Baskets will get 1 or 2 more sprays when side shoots are about 1 inch long. Drench baskets with 2-4 PPM Bonzi when plants reach about 50-75% of the desired size. More spray application or a second drench application can be applied if necessary. For very vigorous mixes, increasing the drench rates is recommended. Late PGR applications may delay the crop, especially when using B-Nine or Florel.

**Pests and Diseases:** Aphids (TMV virus vector), Thrips (TOSPO virus vector), Pythium, Botrytis, and Thielaviopsis. Always follow the labels.



# Annuals

# Big Falls™ Bacopa

*Sutera grandiflora*

- Excellent branching
- Trailing habit
- Large blooms
- Short crop time

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

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

**Ideal Pot Sizes:** Packs, Quarts, Gallons

**Uses:** Pots, Baskets, Combos



Semi-Trailing



Dark Blue  
Ⓟ 3 Ⓜ 1 Ⓢ B



Dark Pink  
Ⓟ 3 Ⓜ 1 Ⓢ B



Pearl  
Ⓟ 3 Ⓜ 1 Ⓢ B



White  
Ⓟ 3 Ⓜ 1 Ⓢ B

# Compact Double Apricot Begonia

*Begonia boliviensis*

- Compact, upright *boliviensis*
- Strong performer in small pots
- Attractive, two-toned blooms
- Dark, serrated foliage

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

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets

SUN LOVER



Mounded



Ⓟ 1 Ⓜ 2 Ⓢ B

# Compact Marshmallow Begonia

*Begonia cultivars*

- Compact, upright *boliviensis*
- Strong performer in small pots
- Attractive, well-branched habit
- An abundance of two-toned blooms

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

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets

SUN LOVER



Mounded



Ⓟ 1 Ⓜ 2 Ⓢ B

# Mistral<sup>®</sup> Begonia

*Begonia boliviensis*

- Excellent branching on a trailing habit
- The BEST begonia for hanging baskets
- Large, eye-catching flowers
- Heat and drought tolerant

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

**Spread:** 14 to 16 in. (36 to 41 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Baskets

**SUN LOVER**



**Semi-Trailing**



Mistral Yellow



Dark Red

Ⓧ 4 Ⓧ 2 Ⓧ B



Double Orange

Ⓧ 2 Ⓧ 2 Ⓧ B



Orange

Ⓧ 3 Ⓧ 2 Ⓧ B



Pink

Ⓧ 3 Ⓧ 2 Ⓧ B



Yellow

Ⓧ 2 Ⓧ 2 Ⓧ B

# Namid™ Bidens

*Bidens ferulifolia*

- Fills all your bidens needs
- Strong, well-branched varieties
- Controlled growth
- Long flower performance

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

**Spread:** 12 to 20 in. (30 to 51 cm)



Namid Compact Yellow



**Mounded**



**Upright**



**Spreading**



Compact Yellow

☑ 1 ☹ 1 🌀 B

Features big blooms and excellent branching. Needs minimal PGRs!

**Ideal Pot Sizes:**

Packs, Quarts, Gallons

**Uses:** Pots

**HIGH DENSITY**



Early Yellow

☑ 3 ☹ 1 🌀 A

Upright habit; best for combos.

**Ideal Pot Sizes:**

Quarts, Gallons, Gallons or Larger

**Uses:** Baskets, Combos



Special Yellow

☑ 2 ☹ 2 🌀 B

Features a spreading habit; a favorite in Northern markets.

**Ideal Pot Sizes:**

Quarts, Gallons, Gallons or Larger

**Uses:** Baskets



# Mohave™ Bracteantha

*Bracteantha bracteata*

- Blooms from Spring to Fall
- Superior branching; mounding habit
- Big, brilliant flowers
- Perfect for mixes

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

**Spread:** 14 to 16 in. (36 to 41 cm)

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Baskets

**HIGH DENSITY, NO PINCH**



**Mounded**



Apricot  
 (V) 3 (S) 2 (B) B



Basket Yellow  
 (V) 3 (S) 2 (B) A



Dark Red  
 (V) 2 (S) 2 (B) B



Mohave Yellow



Orange  
 (V) 3 (S) 2 (B) B



Purple Red  
 (V) 2 (S) 2 (B) B



White  
 (V) 4 (S) 1 (B) B



Yellow  
 (V) 3 (S) 2 (B) A

MiniFamous® Uno Double PinkTastic Calibrachoa



# Calibrachoa

MiniFamous® fulfills all your calibrachoa needs with early, compact Uno and medium-vigor Neo. This outstanding collection offers classic core colors, vibrant patterns and Selecta One-exclusive Tastic double bicolors.

A few of our standout introductions this year include NEW Uno Double Orange Flame and NEW Neo Double Red. Plus, NEW Neo Pink Hawaii will turn heads at retail with raspberry-colored blooms and a big yellow star.



**Uno**  
page 34



**Neo**  
page 36

MiniFamous<sup>®</sup>  
**Uno Calibrachoa**

*Calibrachoa hybrida*



Mounded

- Early-to-finish, medium-compact series
- Uniformity in flower timing
- Classic core colors, doubles and stars
- Screened for powdery mildew resistance

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

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

**Ideal Pot Sizes:** Packs, Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos

HIGH DENSITY



MiniFamous  
 Uno Pink Strike



Double PinkTastic  
 Ⓟ 2 Ⓢ 1 Ⓢ A



Double PlumTastic  
 Ⓟ 2 Ⓢ 1 Ⓢ A



Double Red  
 Ⓟ 2 Ⓢ 2 Ⓢ A



Double Dark Blue  
 Ⓟ 1 Ⓢ 2 Ⓢ A



Double Orange Flame  
 (V) 2 (C) 1 (S) A



Yellow+Red Vein 22  
 (V) 2 (C) 1 (S) A



Double Close Up  
 (V) 2 (C) 2 (S) B



Double Light Pink  
 (V) 2 (C) 3 (S) A



Double White+Pink Whirl  
 (V) 2 (C) 1 (S) B



Double Lemon  
 (V) 3 (C) 2 (S) A



Double White  
 (V) 2 (C) 3 (S) A



Red  
 (V) 1 (C) 1 (S) A



Dark Blue  
 (V) 1 (C) 1 (S) A



Violet Star  
 (V) 3 (C) 1 (S) B



Pink  
 (V) 4 (C) 1 (S) A



Pink Strike  
 (V) 2 (C) 1 (S) A



Pink Star  
 (V) 3 (C) 1 (S) A



White  
 (V) 2 (C) 1 (S) A



Yellow  
 (V) 3 (C) 1 (S) A

MiniFamous®  
**Neo Calibrachoa**

*Calibrachoa cultivars*

- Uniform, semi-trailing habit
- Medium vigor
- Large, single and double blooms
- Exclusive double bicolors

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

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

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos



Semi-Trailing



**NEW** MiniFamous  
 Neo Pink Hawaii



Double PlumTastic

☑ 3 ☑ 2 ☑ A



Double OrangeTastic

☑ 3 ☑ 2 ☑ A



Double Deep Yellow

☑ 3 ☑ 3 ☑ A



Double Dark Blue

☑ 3 ☑ 3 ☑ B



NEW

Pink Hawaii  
 Ⓟ 3 Ⓞ 2 Ⓢ A



NEW

Double Red  
 Ⓟ 3 Ⓞ 2 Ⓢ A



NEW

White 22  
 Ⓟ 3 Ⓞ 2 Ⓢ A



Double Amethyst  
 Ⓟ 3 Ⓞ 2 Ⓢ A



Double Purple  
 Ⓟ 3 Ⓞ 3 Ⓢ A



Double Silver Blue  
 Ⓟ 3 Ⓞ 2 Ⓢ A



Double Lemon  
 Ⓟ 3 Ⓞ 3 Ⓢ A



Double Pink  
 Ⓟ 3 Ⓞ 3 Ⓢ B



Deep Orange  
 Ⓟ 3 Ⓞ 1 Ⓢ A



Dark Blue  
 Ⓟ 4 Ⓞ 1 Ⓢ A



Light Pink+Eye  
 Ⓟ 2 Ⓞ 1 Ⓢ A



Lava+Red Eye  
 Ⓟ 2 Ⓞ 1 Ⓢ A



Violet Ice  
 Ⓟ 3 Ⓞ 1 Ⓢ A



Light Pink  
 Ⓟ 3 Ⓞ 2 Ⓢ A



Deep Yellow  
 Ⓟ 3 Ⓞ 3 Ⓢ A



Light Blue  
 Ⓟ 3 Ⓞ 1 Ⓢ A

Neo continues on next page

MiniFamous<sup>®</sup>  
Neo Calibrachoa *Continued*



Semi-Trailing



MiniFamous Neo Violet Ice



Pink  
Ⓟ 3 Ⓠ 2 Ⓢ A



Orange+Red Eye  
Ⓟ 3 Ⓠ 2 Ⓢ A



Purple  
Ⓟ 3 Ⓠ 2 Ⓢ A



Blue  
Ⓟ 2 Ⓠ 2 Ⓢ B



Yellow  
Ⓟ 3 Ⓠ 3 Ⓢ A



Salmon Pink+Eye  
Ⓟ 3 Ⓠ 2 Ⓢ A



Vampire  
Ⓟ 3 Ⓠ 2 Ⓢ A



White+Yellow Eye  
Ⓟ 3 Ⓠ 3 Ⓢ A



# Convolvulus

*Convolvulus sabatius*

- Easy care
- Drought and heat tolerant
- Compact, trailing habit

**Height:** 10 to 14 in. (25 to 36 cm)

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

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Landscapes



Mounded



Early Blue  
 ☺ 2 ☹ 2 ☼ A



Prime White  
 ☺ 2 ☹ 2 ☼ A

SUN LOVER

# Cuphea

*Cuphea hyssopifolia*  
 “Mexican Heather”

- Fine, fernlike foliage
- Plethora of small blooms
- Heat loving and very easy to grow

**Height:** 12 to 16 in. (30 to 41 cm)

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

**Ideal Pot Sizes:** Quarts, Gallons

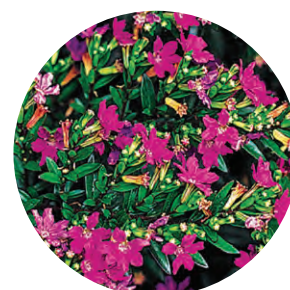
**Uses:** Pots, Landscapes



Mounded



Pink  
 ☺ 2 ☹ 2 ☼ A



Purple  
 ☺ 2 ☹ 2 ☼ A



White  
 ☺ 2 ☹ 2 ☼ A

SUN LOVER

# Loreen™ White Euphorbia

*Euphorbia hypericifolia*

- Excellent branching
- Dense flowering
- Eye-catching displays at retail

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

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

**Ideal Pot Sizes:** Packs, Quarts, Gallons

**Uses:** Pots, Combos



Mounded



☺ 3 ☹ 2 ☼ A

HIGH DENSITY

# Dahlia

Selecta One offers diversity in dahlias across five series, including NEW Dahlita™, our compact, fastest-to-flower option! The lineup also includes Dahlietta® for quart pots; medium, dark-leaf City Lights™ and medium, green-leaf Dalaya® for gallons; and large, double-flowered Venti™ to fill your gallons or larger. One variety you won't want to miss is our top-selling Dalaya Fireball, a bright orange color on a novel anemone flower form.



**NEW Dahlita™**  
page 42



**Dahlietta®**  
page 44



**City Lights™**  
page 46



**MEDIUM  
VIGOR**

**Dalaya**<sup>®</sup>  
page 48



**LARGE  
VIGOR**

**Venti**<sup>™</sup>  
page 50

Dahlita™ Yellow Dahlia



**NEW** Dahlita™ Dahlia

*Dahlia pinnata*

- Most compact, fastest-to-flower dahlia
- Early sales, as soon as February 14
- Abundance of small, long-lasting blooms
- Versatile and space efficient

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

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

**Ideal Pot Sizes:** Packs, Quarts

**Uses:** Baskets, Combos, Color Bowls

**HIGH DENSITY**

COMPACT  
VIGOR

Upright



Bright Red  
Ⓟ 1 Ⓢ 1 Ⓞ B



Purple+White Eye  
Ⓟ 1 Ⓢ 1 Ⓞ B

Dahlita Bright Red



Red+Yellow Eye  
Ⓟ 1 Ⓢ 1 Ⓞ B



Rose Pink  
Ⓟ 1 Ⓢ 1 Ⓞ B



White  
Ⓟ 1 Ⓢ 1 Ⓞ B



Yellow  
Ⓟ 1 Ⓢ 1 Ⓞ B

# Dahlietta<sup>®</sup> Dahlia

*Dahlia pinnata*

- Uniform series for early sales
- Flowers in as little as 7 weeks
- Wide range of colors and patterns
- Best-in-class, easy-to-grow assortment

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

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

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots

**HIGH DENSITY**

COMPACT  
VIGOR

Mounded



Dahlietta Candy



NEW

Shirley  
 Ⓢ 2 Ⓢ 2



Candy  
 Ⓢ 2 Ⓢ 2



Anna  
 Ⓢ 2 Ⓢ 2



Louise  
 Ⓢ 2 Ⓢ 1



Dahlietta Tessy



Patty  
 Ⓢ 2 Ⓢ 3



Blanca  
 Ⓢ 2 Ⓢ 1



Coby  
 Ⓢ 2 Ⓢ 1



Paula  
 Ⓢ 2 Ⓢ 2



Emily  
 Ⓢ 2 Ⓢ 1



Rachel  
 Ⓢ 2 Ⓢ 1



Tessy  
 Ⓢ 2 Ⓢ 1



Julia  
 Ⓢ 2 Ⓢ 1

NEW City Lights™ Orange Dahlia





# City Lights™ Dahlia

*Dahlia hybrida*

- Dark leaves contrast bright blooms
- Habit and vigor match Dalaya®
- Magnet for butterflies and birds
- Well-branched garden powerhouse

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

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes

MEDIUM  
VIGOR

Upright



City Lights  
Golden Yellow



NEW

Neon

Ⓧ 3 Ⓧ 3 Ⓧ A



NEW

Orange

Ⓧ 4 Ⓧ 2 Ⓧ A



Golden Yellow

Ⓧ 3 Ⓧ 2 Ⓧ A



Lavender Pink

Ⓧ 3 Ⓧ 2 Ⓧ A



Purple

Ⓧ 3 Ⓧ 3 Ⓧ A



Red

Ⓧ 3 Ⓧ 2 Ⓧ A

# Dalaya<sup>®</sup> Dahlia

*Dahlia hybrida*

- Green leaves
- Big blooms; exotic bicolors
- Top choice for the garden
- Well-branched, exceptional habit

**Height:** 12 to 16 in. (30 to 41 cm)

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes

**SUN LOVER**

MEDIUM  
VIGOR

Upright



Dalaya Raspberry



Vampire 22  
 Ⓟ 3 Ⓟ 3 Ⓢ A



Fireball  
 Ⓟ 3 Ⓟ 3 Ⓢ B



Purple+White  
 Ⓟ 3 Ⓟ 3 Ⓢ B



Raspberry  
 Ⓟ 3 Ⓟ 2 Ⓢ A



White  
 Ⓟ 3 Ⓟ 3 Ⓢ C



Pink+Lemon  
 Ⓟ 4 Ⓟ 2 Ⓢ B



Pink+Rose Eye  
 Ⓟ 4 Ⓟ 2 Ⓢ B



Red+Yellow Eye  
 Ⓟ 3 Ⓟ 2 Ⓢ A



Yellow  
 Ⓟ 3 Ⓟ 2 Ⓢ C



Pink+White  
 Ⓟ 4 Ⓟ 2 Ⓢ A



Yellow+Red Eye  
 Ⓟ 3 Ⓟ 2 Ⓢ B



Pink+Yellow Eye  
 Ⓟ 3 Ⓟ 2 Ⓢ A

Venti™ Passion Fruit Dahlia



# Venti™ Dahlia

*Dahlia pinnata*

- Our most vigorous dahlia series
- Core colors and bicolors on double blooms
- More controlled habit than competition
- Top pick for “thriller” in combos

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

**Spread:** 14 to 16 in. (36 to 41 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes

**SUN LOVER**



**Upright**



Venti Light Rose



Golden Yellow

Ⓧ 4 Ⓧ 2 Ⓧ A



Lemon

Ⓧ 4 Ⓧ 2 Ⓧ B



Light Rose

Ⓧ 4 Ⓧ 3 Ⓧ C



Passion Fruit

Ⓧ 5 Ⓧ 3 Ⓧ B



Pink+White Eye

Ⓧ 3 Ⓧ 2 Ⓧ B



Red+White

Ⓧ 3 Ⓧ 3 Ⓧ A



Royal Purple

Ⓧ 3 Ⓧ 3 Ⓧ B



Tequila Sunrise

Ⓧ 3 Ⓧ 2 Ⓧ A



White

Ⓧ 3 Ⓧ 2 Ⓧ A

# Bellinto™ Fuchsia

*Fuchsia cultivars*

- Day neutral
- Free flowering
- Easy to grow
- Trailing habit

**Height:** 8 to 16 in. (20 to 41 cm)

**Spread:** 10 to 14 in. (25 to 36 cm)



Bellinto Red+Blue



Trailing



Trailing



Compact Red+Violet  
 Ⓟ 2 Ⓟ 2 Ⓟ B



Compact Red+White  
 Ⓟ 2 Ⓟ 2 Ⓟ B



Red+Blue  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Red+White  
 Ⓟ 3 Ⓟ 2 Ⓟ B

**Ideal Pot Sizes:** Gallons

**Uses:** Pots, Baskets

HIGH DENSITY

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Baskets

# Piccadilly™ Diascia

*Diascia cultivars*

- Early-flowering, compact plants
- Large flowers on short stems
- Performs best in cool weather
- Extended color range

**Height:** 7 to 9 in. (18 to 23 cm)  
**Spread:** 8 to 10 in. (20 to 25 cm)  
**Ideal Pot Sizes:** Quarts, Gallons  
**Uses:** Pots, Baskets, Combos



Mounded

HIGH DENSITY



Dark Salmon  
 Ⓟ 3 Ⓟ 1 Ⓟ B



Denim Blue  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Dark Orange  
 Ⓟ 3 Ⓟ 1 Ⓟ B



Piccadilly Dark Salmon



Dark Red  
 Ⓟ 3 Ⓟ 1 Ⓟ B



Pink  
 Ⓟ 3 Ⓟ 1 Ⓟ B



White  
 Ⓟ 3 Ⓟ 1 Ⓟ B



Appleblossom  
 Ⓟ 3 Ⓟ 1 Ⓟ B

Super Moon Red Zonal Geranium





# Geranium

Selecta One offers a well-rounded geranium selection backed by leading European breeding and production from our consistent, reliable farm in Kenya. Choose from zonal, ivy and interspecific geraniums, available in a wide range of colors that work great in containers, combos, hanging baskets and the landscape. Plus, our sizing chart will help you find the best options for your program.



**Moonlight™ Zonal**  
page 56



**Sunrise™ Zonal**  
page 58  
**Marcada™ Interspecific**  
page 61  
**Royal™ Ivy**  
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**Glacier White Ivy**  
page 63



**Super Moon Red Zonal**  
page 60  
**Balcon Ivy**  
page 64  
**Decora Ivy**  
page 64

# Moonlight™ Zonal Geranium

*Pelargonium x hortorum*

- Dark-foliage, compact, uniform series
- Solution for pot-tight production
- Early flowering; 3-4 flowers at first flush
- Large blooms on an upright plant

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

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

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Landscapes

**NO PINCH**

COMPACT  
VIGOR

Upright



Moonlight Dark Fuchsia



NEW

Blue

Ⓟ 3 Ⓛ 2 Ⓢ B



Orange

Ⓟ 2 Ⓛ 2 Ⓢ B



Brilliant Red

Ⓟ 3 Ⓛ 2 Ⓢ B



Red

Ⓟ 3 Ⓛ 2 Ⓢ B



Light Salmon

Ⓟ 2 Ⓛ 2 Ⓢ B



Pink+Eye

Ⓟ 3 Ⓛ 2 Ⓢ B



Dark Red

Ⓟ 3 Ⓛ 2 Ⓢ B



Lavender

Ⓟ 2 Ⓛ 3 Ⓢ A



Coral

Ⓟ 2 Ⓛ 2 Ⓢ B



Pink

Ⓟ 3 Ⓛ 2 Ⓢ A



Dark Fuchsia

Ⓟ 3 Ⓛ 2 Ⓢ B



Raspberry Blush

Ⓟ 3 Ⓛ 2 Ⓢ B



Light Pink+Eye

Ⓟ 2 Ⓛ 2 Ⓢ B



White

Ⓟ 3 Ⓛ 2 Ⓢ A

# Sunrise™ Zonal Geranium

*Pelargonium x hortorum*

- Green-leaf, medium-vigor plant
- Large-flowered series blooms early
- Superior color range
- Upright habit

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

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

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Landscapes

**NO PINCH**



**Upright**



Sunrise Orange



Rose+Big Eye

Ⓟ 2 Ⓟ 2 Ⓟ B



Pink+Big Eye

Ⓟ 2 Ⓟ 2 Ⓟ B



Light Salmon  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Hot Pink  
 Ⓟ 3 Ⓟ 2 Ⓟ A



Violet  
 Ⓟ 4 Ⓟ 1 Ⓟ B



Light Pink  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Orange  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Hot Rose+Eye  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Bright Scarlet  
 Ⓟ 2 Ⓟ 2 Ⓟ A



Salmon  
 Ⓟ 3 Ⓟ 2 Ⓟ A



Bright Lilac  
 Ⓟ 2 Ⓟ 2 Ⓟ A



Dark Red  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Salmon+Red Eye  
 Ⓟ 2 Ⓟ 2 Ⓟ B



White  
 Ⓟ 3 Ⓟ 2 Ⓟ B



White+Eye  
 Ⓟ 2 Ⓟ 2 Ⓟ A



Brilliant Red  
 Ⓟ 1 Ⓟ 2 Ⓟ B



Raspberry Eye  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Red  
 Ⓟ 2 Ⓟ 2 Ⓟ A

# Super Moon Red Zonal Geranium

*Pelargonium x hortorum*

- Large-flowered zonal
- Dark red blooms
- Very dark stems provide contrast
- Strong, vigorous, heat-tolerant plant

**Height:** 12 to 18 in. (30 to 46 cm)

**Spread:** 10 to 14 in. (25 to 36 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes



Ⓧ 4 Ⓧ 2 Ⓧ A



LARGE  
VIGOR

Upright

# Marcada™ Interspecific Geranium

*Pelargonium cultivars*

- Strong interspecific with an ivy look
- More heat tolerant
- Better flower retention
- Less sensitive to oedema

**Height:** 12 to 16 in. (30 to 41 cm)

**Spread:** 12 to 18 in. (30 to 46 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos



Semi-Trailing



Deep Coral

Ⓟ 3 Ⓢ 1 Ⓢ A



White

Ⓟ 2 Ⓢ 1 Ⓢ A

Marcada Dark Red,  
Magenta and Pink



Pink+Purple Eye

Ⓟ 3 Ⓢ 1 Ⓢ A



Dark Red

Ⓟ 4 Ⓢ 1 Ⓢ A



Magenta

Ⓟ 4 Ⓢ 1 Ⓢ A



Pink

Ⓟ 4 Ⓢ 1 Ⓢ A

# Royal™ Ivy Geranium

*Pelargonium peltatum*

- Early flowering for quick turns
- High oedema resistance for clean foliage
- Double-flowered, trailing ivy
- Medium-vigor, well-branched habit

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

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

**Ideal Pot Sizes:** Gallons or Larger

**Uses:** Baskets, Combos



Trailing

NO PINCH



Hot Pink

Ⓟ 3 Ⓠ 2 Ⓡ B



Pink Ice

Ⓟ 3 Ⓠ 1 Ⓡ C



Dark Red

Ⓟ 3 Ⓠ 2 Ⓡ B



Blue

Ⓟ 3 Ⓠ 2 Ⓡ C



Brilliant Red

Ⓟ 3 Ⓠ 2 Ⓡ B



Candy Cane®

Ⓟ 2 Ⓠ 2 Ⓡ B



Scarlet Red

Ⓟ 3 Ⓠ 2 Ⓡ A



Dark Burgundy

Ⓟ 3 Ⓠ 2 Ⓡ B



Light Pink

Ⓟ 3 Ⓠ 2 Ⓡ B



White

Ⓟ 3 Ⓠ 2 Ⓡ B



# Glacier White Ivy Geranium

*Pelargonium peltatum*

- Stands up to the heat
- Single-flowered ivy
- Unmatched performance in baskets and window boxes

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

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

**Ideal Pot Sizes:** Gallons or Larger

**Uses:** Baskets, Combos



Semi-Trailing



Ⓟ 4 Ⓞ 2 Ⓞ C



# Balcon Ivy Geranium

*Pelargonium peltatum*

- Large, colorful blooms
- Heat-tolerant, trailing ivy
- Cascading baskets and window boxes
- Self-cleaning; stays fresh all Summer

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

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

**Ideal Pot Sizes:** Gallons or Larger

**Uses:** Baskets, Combos



**Trailing**



Ice Dance Pink

Ⓟ 4 Ⓜ 3 Ⓢ A



Light Purple

Ⓟ 4 Ⓜ 2 Ⓢ A



Pink

Ⓟ 4 Ⓜ 2 Ⓢ A



Red

Ⓟ 4 Ⓜ 2 Ⓢ A



Shocking Pink

Ⓟ 4 Ⓜ 2 Ⓢ A

NO PINCH

# Decora Ivy Geranium

*Pelargonium peltatum*

- Large, colorful blooms
- Heat-tolerant, trailing ivy
- Cascading baskets and window boxes
- Unique variegated foliage

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

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

**Ideal Pot Sizes:** Gallons or Larger

**Uses:** Baskets, Combos



**Trailing**



Light Purple

Ⓟ 2 Ⓜ 2 Ⓢ A



Pink

Ⓟ 3 Ⓜ 2 Ⓢ A



Red

Ⓟ 4 Ⓜ 2 Ⓢ A



Shocking Pink

Ⓟ 3 Ⓜ 2 Ⓢ A

NO PINCH

# Silver Helichrysum

*Helichrysum italicum*

- Dwarf helichrysum
- Superior branching; drought tolerant
- Soft, silver foliage accent plant
- Low maintenance; not overly aggressive

**Height:** 8 to 14 in. (20 to 36 cm)

**Spread:** 6 to 14 in. (15 to 36 cm)

**USDA Hardiness Zone:** 7a to 7b

**Ideal Pot Sizes:** Packs, Quarts, Gallons

**Uses:** Pots

**NO PINCH**



Stitch

Ⓟ 1 Ⓠ 3 Ⓡ A



Ribbon

Ⓟ 3 Ⓠ 3 Ⓡ A



Threads

Ⓟ 2 Ⓠ 3 Ⓡ A

## Variegata Glechoma

*Glechoma hederacea*

- Variegated, trailing perennial
- Excellent component in mixes
- Works well as a groundcover

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

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

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos, Landscapes

**SUN LOVER**

LARGE  
VIGOR

Trailing



Ⓟ 5 Ⓠ 3 Ⓡ B

## Marino™ Heliotrope

*Heliotropium arborescens*

- Superbly scented
- Cuttings ship reliably
- Easy to grow
- Upright habit

**Height:** 10 to 14 in. (25 to 36 cm)

**Spread:** 12 to 18 in. (30 to 46 cm)

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Combos, Landscapes

**HIGH DENSITY**

MEDIUM  
VIGOR

Upright



Blue

Ⓟ 2 Ⓠ 1 Ⓡ A



White

Ⓟ 2 Ⓠ 2 Ⓡ A

## Muehlenbeckia

*Muehlenbeckia complexa*

- Spiller foliage plant
- Glossy, dark green, rounded leaves
- Great accent plant or groundcover
- Low maintenance; drought tolerant

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

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

**Ideal Pot Sizes:** Packs, Quarts, Gallons

**Uses:** Pots, Baskets, Combos, Landscapes

COMPACT  
VIGOR

Semi-Trailing



Ⓟ 3 Ⓡ B

# Goldilocks *Lysimachia*

*Lysimachia nummularia*

- Low-care, trailing plant
- Lime green leaves turn iridescent in sun
- Great mixed container component
- Temperate perennial

**Height:** 2 to 4 in. (5 to 10 cm)

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

**USDA Hardiness Zone:** 3a to 10b

**Ideal Pot Sizes:** Packs, Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos



Trailing



Ⓧ 3 Ⓢ A



# Gold Mound *Sedum*

*Sedum mexicanum*

- Chartreuse foliage plant
- Blooms from late Spring through Summer
- Low-maintenance, drought-tolerant sedum
- Adaptable to different environments

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

**Spread:** 12 to 16 in. (30 to 41 cm)

**Ideal Pot Sizes:** Packs, Quarts, Gallons

**Uses:** Pots, Combos, Landscapes

**HIGH DENSITY, SUN LOVER, NO PINCH**



Mounded



Ⓧ 3 Ⓢ 3 Ⓢ B

# ImPower™ New Guinea Impatiens

*Impatiens hawkeri*

- Fast-to-finish; highly programmable
- Uniform series flowers within 1 week
- High-density pots and packs
- Large blooms

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

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

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots

**HIGH DENSITY, NO PINCH**

COMPACT  
VIGOR

Upright



ImPower Red Flame



NEW

Red  
(green foliage)  
Ⓧ 2 Ⓧ 1 Ⓧ B



Pink Frost  
(green foliage)  
Ⓧ 2 Ⓧ 1 Ⓧ B



Lavender  
(green foliage)  
Ⓧ 2 Ⓧ 1 Ⓧ B



Orange  
(green foliage)  
Ⓧ 3 Ⓧ 1 Ⓧ B



Purple Blue  
(green foliage)  
Ⓧ 3 Ⓧ 1 Ⓧ B



Red Flame  
(green foliage)  
Ⓧ 2 Ⓧ 1 Ⓧ B



Salmon  
(green foliage)  
Ⓧ 3 Ⓧ 1 Ⓧ B



Violet  
(green foliage)  
Ⓧ 3 Ⓧ 1 Ⓧ B



White  
(green foliage)  
Ⓧ 2 Ⓧ 1 Ⓧ B



Dark Red  
(dark green foliage)  
Ⓧ 2 Ⓧ 1 Ⓧ B



White Pink Eye  
(dark green foliage)  
Ⓧ 3 Ⓧ 1 Ⓧ B

# ColorPower™ New Guinea Impatiens

*Impatiens hawkeri*

- For medium-to-large pots and baskets
- Wide range of colors and novelties
- Outstanding habit and presentation
- Big, bright blooms light up the shade

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

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Landscapes

**NO PINCH**



**Upright**



ColorPower  
Dark Pink Flame



Orange  
(green foliage)  
☺ 3 ☹ 2 🌀 B



Cerise Frost  
(green foliage)  
☺ 2 ☹ 2 🌀 B



Magenta Frost  
(green foliage)  
☺ 2 ☹ 2 🌀 B





NEW

Red 22  
(green foliage)  
V 3 L 3 B



NEW

White 22  
(green foliage)  
V 3 L 3 B



Orchid  
(green foliage)  
V 2 L 2 B



Purple Blue  
(green foliage)  
V 2 L 2 B



Red Flame  
(green foliage)  
V 3 L 3 B



Rose  
(green foliage)  
V 3 L 2 B



Salmon Pink  
(green foliage)  
V 3 L 2 A



Peach Frost  
(green foliage)  
V 2 L 1 B



Violet  
(green foliage)  
V 3 L 2 B



Coral Flame  
(dark green foliage)  
V 3 L 2 B



Dark Pink Flame  
(dark green foliage)  
V 3 L 2 B



Dark Red  
(dark green foliage)  
V 2 L 2 B



Lavender Flame  
(dark green foliage)  
V 3 L 3 B



Light Pink+Eye  
(dark green foliage)  
V 2 L 2 B



Orange Flame  
(dark green foliage)  
V 3 L 3 B



White Red Flame  
(dark green foliage)  
V 3 L 2 B

# Bounce™ Interspecific Impatiens

*Impatiens hawkeri*

- Best for shade and heat
- Loads of color in the garden
- Great branching; fast flowering
- Downy mildew resistant

**Height:** 14 to 20 in. (36 to 51 cm)

**Spread:** 14 to 20 in. (36 to 51 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Landscapes

**SUN LOVER, NO PINCH**



**Mounded**



Bright Coral  
 Ⓟ 3 Ⓢ 2 Ⓢ A

Bounce Bright  
 Coral and Violet



Cherry  
 Ⓟ 3 Ⓢ 2 Ⓢ A



Pink Flame  
 Ⓟ 3 Ⓢ 2 Ⓢ A



Violet  
 Ⓟ 3 Ⓢ 2 Ⓢ A



White  
 Ⓟ 3 Ⓢ 2 Ⓢ A

# Featherlight White Lobularia

*Lobularia maritima*

- Shippable cuttings
- Works in a range of container sizes
- Provides a sweet fragrance

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

**Spread:** 12 to 16 in. (30 to 41 cm)

**Ideal Pot Sizes:** Packs, Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos

**NO PINCH**



**Mounded  
Semi-Trailing**



Ⓟ 4 Ⓟ 1 Ⓟ B

# Magnetica<sup>TM</sup> Dark Red Mandevilla

*Mandevilla sanderi*

- Vigorous and climbing habit
- Large, non-fading blooms

**Height:** 24 to 48 in. (61 to 122 cm)

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes

**SUN LOVER**



**Climbing**



Ⓟ 4 Ⓟ 2 Ⓟ A

Magadi™ White Lobelia



# Lobelia

We are your number one source for lobelia, with the comprehensive Magadi™ family. From compact, densely branched varieties that are ideal for quart pots, to trailing varieties that make stunning hanging baskets — Selecta One has your lobelia program covered.



**Magadi™ Compact**  
page 76



**Magadi™**  
page 77



**Magadi™ Basket**  
page 78

# Magadi™ Compact Lobelia

*Lobelia cultivars*

- Compact series
- Upright
- Densely branched

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

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

**Ideal Pot Sizes:** Packs, Quarts, Gallons, Gallons or Larger

**Uses:** Pots



Mounded

HIGH DENSITY



Magadi  
Compact Blue



Dark Blue 22  
Ⓟ 2 Ⓠ 2 Ⓡ B



White 22  
Ⓟ 3 Ⓠ 2 Ⓡ B



Blue  
Ⓟ 2 Ⓠ 1 Ⓡ B



Blue+Eye  
Ⓟ 2 Ⓠ 1 Ⓡ B



Purple  
Ⓟ 2 Ⓠ 2 Ⓡ B

# Magadi™ Lobelia

*Lobelia cultivars*

- Superior collection of Lobelia
- Bred for outstanding heat tolerance
- Versatile in pots or the landscape

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

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos, Landscapes

**SUN LOVER**

Upright



Magadi  
Electric Purple

COMPACT  
VIGOR

MEDIUM  
VIGOR

LARGE  
VIGOR



White

Ⓧ 2 Ⓧ 3 Ⓧ A



Electric Blue

Ⓧ 3 Ⓧ 2 Ⓧ A



Electric Purple

Ⓧ 3 Ⓧ 2 Ⓧ A



Dark Blue

Ⓧ 4 Ⓧ 1 Ⓧ A

# Magadi™ Basket Lobelia

*Lobelia cultivars*

- Vigorous and floriferous varieties
- Lovely trailing blooms

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

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos



**Semi-Trailing**



Magadi  
Basket White



Dark Blue  
Ⓟ 3 Ⓡ 2 Ⓢ B



Dark Purple  
Ⓟ 3 Ⓡ 1 Ⓢ B



White  
Ⓟ 2 Ⓡ 2 Ⓢ B



# FlowerPower™ Compact Osteospermum



Mounded

*Osteospermum ecklonis*

- Compact, upright habit
- Early-to-flower, uniform series
- Brilliant colors on large flowers
- Best for cool, low-energy production

Available as callused cuttings

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

**Spread:** 12 to 18 in. (30 to 46 cm)

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Landscapes

HIGH DENSITY



Pink+Eye

Ⓟ 2 Ⓞ 2 Ⓢ B



Violet+Eye

Ⓟ 2 Ⓞ 3 Ⓢ B



Purple Red

Ⓟ 3 Ⓞ 3 Ⓢ B



Yellow

Ⓟ 2 Ⓞ 3 Ⓢ B



White

Ⓟ 2 Ⓞ 2 Ⓢ B



Purple

Ⓟ 2 Ⓞ 2 Ⓢ B

# FlowerPower™ Spider Osteospermum



Upright

*Osteospermum ecklonis*

- Unique, attractive flower shape
- Upright habit

Available as callused cuttings

**Height:** 10 to 14 in. (25 to 36 cm)

**Spread:** 14 to 20 in. (36 to 51 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes



Pink

Ⓟ 3 Ⓞ 2 Ⓢ B



Purple

Ⓟ 3 Ⓞ 2 Ⓢ B



White

Ⓟ 3 Ⓞ 2 Ⓢ B

# Daisy Falls™ Osteospermum

*Osteospermum ecklonis*

- Early-Spring baskets and combos
- A more vigorous, trailing osteo
- Performs longer into the season
- Tolerates inclement weather

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

**Spread:** 20 to 24 in. (51 to 61 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos



Trailing



Daisy Falls Pink, Purple  
and White Amethyst



Pink

Ⓧ 3 Ⓡ 1 Ⓢ A



Purple

Ⓧ 3 Ⓡ 2 Ⓢ A



White Amethyst

Ⓧ 2 Ⓡ 2 Ⓢ A

# 4D™ Osteospermum

*Osteospermum hybrid*

- Stays open 24/7
- Excellent branching; masses of blooms
- Superior series uniformity
- Early season

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

**Spread:** 12 to 16 in. (30 to 41 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes



Upright



4D Dark Violet+White



White

Ⓧ 2 Ⓧ 2 Ⓧ B



Yellow

Ⓧ 3 Ⓧ 2 Ⓧ B



Harvest Moon

Ⓧ 2 Ⓧ 3 Ⓧ B



Violet Ice

Ⓧ 2 Ⓧ 2 Ⓧ B



Berry White

Ⓧ 4 Ⓧ 2 Ⓧ B



Dark Violet+White

Ⓧ 3 Ⓧ 2 Ⓧ B



Pink

Ⓧ 3 Ⓧ 2 Ⓧ B



Purple

Ⓧ 3 Ⓧ 3 Ⓧ B



Sunburst

Ⓧ 3 Ⓧ 2 Ⓧ B

Zion™ Purple Sun Osteospermum



# Zion™ Osteospermum

*Osteospermum ecklonis*

- Collection inspired by the colors of Zion National Park
- Distinctive, novel colors on large flowers
- Excellent branching on full, mounded habit

Available as callused cuttings

**Height:** 16 to 20 in. (41 to 51 cm)

**Spread:** 16 to 24 in. (41 to 61 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes



Upright



Purple Sun

Ⓟ 2 Ⓟ 3 Ⓟ A



Morning Sun

Ⓟ 3 Ⓟ 2 Ⓟ A



Magic Yellow

Ⓟ 3 Ⓟ 2 Ⓟ B



Zion Pure Yellow



Copper Amethyst

Ⓟ 4 Ⓟ 2 Ⓟ C



Blue Denim

Ⓟ 2 Ⓟ 3 Ⓟ B



Pure Yellow

Ⓟ 2 Ⓟ 2 Ⓟ B



Red

Ⓟ 2 Ⓟ 3 Ⓟ B

# Petunia

We are excited to showcase our expanded lineup of stellar Sky Petunias, all featuring uniquely patterned blooms with flecks of white against vibrant colors that resemble a starry sky. This season, our compact Starlet™ series receives its first Sky pattern variety, NEW Midnight Sky, with dark and moody, deep purple blooms and bright white stars. Check out the sizing chart on this page to help you plan your best season yet!



**Starlet™**  
page 86



**Headliner™**  
page 88  
**SweetSunshine™**  
page 92



**LARGE  
VIGOR**

**Main Stage™**  
page 90

# Starlet™ Petunia

*Petunia cultivars*

- Grower friendly, compact and controlled
- Well-matched timing, vigor and habit
- Early to flower and fast to finish
- Exciting color range, including a Sky type

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

**Spread:** 12 to 20 in. (30 to 51 cm)

**Ideal Pot Sizes:** Quarts

**Uses:** Pots, Baskets, Combos

**HIGH DENSITY, NO PINCH**



**Mounded**



Starlet  
Magenta Star





NEW

Midnight Sky  
 (V) 2 (C) 1 (B)



NEW

Light Pink  
 (V) 2 (C) 3 (B)



Burgundy  
 (V) 2 (C) 3 (B)



Dark Pink  
 (V) 2 (C) 2 (B)



Lavender Star  
 (V) 1 (C) 3 (B)



Magenta Star  
 (V) 2 (C) 3 (A)



Pink Lemonade  
 (V) 2 (C) 3 (B)



Pinot Red  
 (V) 2 (C) 3 (A)



Purple Star  
 (V) 1 (C) 1 (B)



Salmon Red Vein  
 (V) 2 (C) 3 (B)



White  
 (V) 2 (C) 3 (B)



Yellow  
 (V) 2 (C) 2 (B)



Blueberry Vein  
 (V) 3 (C) 2 (A)



Velvet  
 (V) 2 (C) 3 (B)



Red  
 (V) 1 (C) 3 (B)



Blue  
 (V) 2 (C) 3 (B)

# Headliner™ Petunia

*Petunia cultivars*

- Medium-vigor, mounded series
- Early flowering for a fast finish
- Dramatic color range on large blooms
- Wide assortment of Sky petunias



Semi-Trailing

**Height:** 10 to 16 in. (25 to 41 cm)  
**Spread:** 20 to 30 in. (51 to 76 cm)  
**Ideal Pot Sizes:** Gallons, Gallons or Larger  
**Uses:** Pots, Baskets, Combos



Headliner Night Sky



Enchanted Sky  
 (V) 3 (C) 3 (B)



Electric Purple Sky  
 (V) 3 (C) 2 (B)



Crystal Sky  
 (V) 4 (C) 3 (B)



Night Sky®  
 (V) 4 (C) 3 (B)



Pink Sky  
 (V) 3 (C) 2 (B)



Starry Sky Burgundy  
 (V) 3 (C) 2 (B)



NEW

Banana Cherry  
 Ⓟ 4 Ⓟ 3 Ⓟ B



NEW

Electric Purple 22  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Dark Saturn  
 Ⓟ 3 Ⓟ 3 Ⓟ A



Raspberry Star  
 Ⓟ 3 Ⓟ 3 Ⓟ B



Red Star  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Blue  
 Ⓟ 3 Ⓟ 3 Ⓟ B



Red  
 Ⓟ 3 Ⓟ 3 Ⓟ B



Sky Blue  
 Ⓟ 3 Ⓟ 3 Ⓟ B



White  
 Ⓟ 3 Ⓟ 3 Ⓟ B



Yellow  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Lipstick  
 Ⓟ 3 Ⓟ 3 Ⓟ A



Blueberry Swirl  
 Ⓟ 3 Ⓟ 2 Ⓟ B



Raspberry Swirl  
 Ⓟ 2 Ⓟ 3 Ⓟ B



Pink Vein  
 Ⓟ 3 Ⓟ 3 Ⓟ B



Dark Violet Picotee  
 Ⓟ 3 Ⓟ 3 Ⓟ A



White Rose Vein  
 Ⓟ 3 Ⓟ 3 Ⓟ B

Main Stage™ Glacier Sky Petunia



# Main Stage™ Petunia

*Petunia cultivars*

- Our most vigorous, trailing petunia line
- Excellent Summer performance
- Unique color range, including a Sky type

**Height:** 12 to 16 in. (30 to 41 cm)

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Landscapes

LARGE  
VIGOR

Trailing



White 22

Ⓟ 3 Ⓢ 2 Ⓢ A



Glacier Sky

Ⓟ 4 Ⓢ 3 Ⓢ A



Blueberry

Ⓟ 4 Ⓢ 2 Ⓢ A



Hot Pink

Ⓟ 4 Ⓢ 3 Ⓢ A



Pink

Ⓟ 4 Ⓢ 3 Ⓢ A



Pink Vein

Ⓟ 4 Ⓢ 2 Ⓢ A



Violet

Ⓟ 4 Ⓢ 2 Ⓢ A



Purple

Ⓟ 4 Ⓢ 3 Ⓢ A



Red

Ⓟ 3 Ⓢ 3 Ⓢ A



Violet Picotee

Ⓟ 4 Ⓢ 3 Ⓢ A

# SweetSunshine™ Petunia

*Petunia cultivars*

- Durable, fully double blooms
- Well-branched, medium-vigor plants
- Semi-trailing habit for hanging baskets
- Unique colors and popular flower form

**Height:** 10 to 16 in. (25 to 41 cm)

**Spread:** 20 to 30 in. (51 to 76 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos



Semi-Trailing



SweetSunshine  
Light Pink



Burgundy  
Ⓧ 2 Ⓧ 3 Ⓧ B



Honeydew  
Ⓧ 2 Ⓧ 2 Ⓧ B



Magenta  
Ⓧ 3 Ⓧ 3 Ⓧ A



Provence  
Ⓧ 2 Ⓧ 3 Ⓧ B



Light Pink  
Ⓧ 2 Ⓧ 3 Ⓧ B

# Senetti<sup>®</sup> Pericallis

*Senecio x hybrida*

- Low-maintenance, early-Spring series
- Weather tolerant; thrives in cool temperatures
- Vivid blooms on rounded, compact foliage

**Height:** 12 to 24 in. (30 to 61 cm)

**Spread:** 12 to 18 in. (30 to 46 cm)

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots



Mounded



Cobalt Blue  
 ☑ 3 ☺ 1 ☻ C



White  
 ☑ 3 ☺ 1 ☻ C



Blue Bicolor  
 ☑ 3 ☺ 1 ☻ C



Deep Blue  
 ☑ 3 ☺ 2 ☻ C



Senetti Blue Bicolor



Magenta  
 ☑ 3 ☺ 2 ☻ C



Magenta Bicolor  
 ☑ 3 ☺ 1 ☻ C



Pink Bicolor  
 ☑ 3 ☺ 1 ☻ C



Violet Bicolor  
 ☑ 3 ☺ 1 ☻ C

Gisele® Light Violet and Pink Phlox





# Gisele<sup>®</sup> Phlox

*Phlox cultivars*

- Reliable rooting; dependable shipping
- Mounded habit
- Heat tolerant
- Powdery mildew resistance

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

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

**Ideal Pot Sizes:** Packs, Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos, Landscapes

COMPACT  
VIGOR

Mounded

HIGH DENSITY, SUN LOVER



Light Pink+Eye  
Ⓧ 3 Ⓧ 2 Ⓧ A



Red  
Ⓧ 3 Ⓧ 2 Ⓧ A



Scarlet  
Ⓧ 3 Ⓧ 2 Ⓧ A



Purple  
Ⓧ 4 Ⓧ 2 Ⓧ A



Gisele Red  
and White



Hot Pink  
Ⓧ 3 Ⓧ 2 Ⓧ A



Light Violet  
Ⓧ 3 Ⓧ 2 Ⓧ A



White  
Ⓧ 2 Ⓧ 2 Ⓧ A



Pink  
Ⓧ 3 Ⓧ 2 Ⓧ A

# Skyscraper™ Salvia

*Salvia cultivars*

- Tender perennial
- Season extender
- Large blooms on sturdy stems
- Lasts longer/branches better than seed

**Height:** 14 to 28 in. (36 to 71 cm)

**Spread:** 10 to 16 in. (25 to 41 cm)

**USDA Hardiness Zone:** 7b

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Landscapes



**Upright**



Pink  
Ⓟ 4 Ⓠ 1 Ⓢ A



Orange  
Ⓟ 4 Ⓠ 1 Ⓢ A



Dark Purple  
Ⓟ 4 Ⓠ 1 Ⓢ A

# Fairy™ Scaevola

*Scaevola aemula*

- Well-branched plant
- Trailing habit
- Outstanding outdoor performance

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

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

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos, Landscapes



**Semi-Trailing**



Blue  
Ⓟ 3 Ⓠ 3 Ⓢ A



Pink  
Ⓟ 4 Ⓠ 3 Ⓢ A



White  
Ⓟ 4 Ⓠ 3 Ⓢ A

**SUN LOVER**

# PortoGrande<sup>TM</sup> Portulaca

*Portulaca oleracea*

MEDIUM  
VIGOR

Trailing

- Vibrant, large blooms
- Thrives in hot and arid conditions
- Functions as a flowering succulent
- Excellent trailing component in mixes

**Height:** 4 to 8 in. (10 to 20 cm)

**Spread:** 14 to 16 in. (36 to 41 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos, Landscapes

SUN LOVER



Magenta

Ⓧ 4 Ⓧ 3 Ⓧ A



Orange

Ⓧ 3 Ⓧ 2 Ⓧ A



Raspberry Lemonade

Ⓧ 3 Ⓧ 2 Ⓧ A



Scarlet

Ⓧ 3 Ⓧ 2 Ⓧ A



White

Ⓧ 4 Ⓧ 3 Ⓧ A



Yellow

Ⓧ 3 Ⓧ 2 Ⓧ A

# Tsavo<sup>TM</sup> Compact Yellow Sanvitalia

*Sanvitalia procumbens*

- Early-season variety
- Bright color is offset by dark foliage
- Tidy, mounded habit

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

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

**Ideal Pot Sizes:** Packs, Quarts

**Uses:** Pots

HIGH DENSITY

COMPACT  
VIGOR

Mounded



Ⓧ 2 Ⓧ 2 Ⓧ B

# Verbena

Ranging from compact to large, Selecta One's verbena collection has everything you need. New to the program this year is NEW Beats™, a compact-spreading series that does not require pinching or PGRs! This series flowers two weeks earlier than other verbena. Plus, its tolerance to heat, cycling and water stress keeps varieties looking lush and vibrant all season long - never missing a beat of color!



**NEW Beats™**  
page 100



**Lascar™**  
page 102



**LARGE  
VIGOR**

**BeBop™**  
page 104

**Blues™**  
page 104

Beats™ Red and Red+White Verbena



# NEW Beats™ Verbena

*Verbena cultivars*

- Naturally compact-spreading habit
- Flowers 2 weeks earlier than other verbena
- Tolerant to heat, cycling and water stress
- No PGRs; no pinch

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

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

**Ideal Pot Sizes:** Packs, Quarts, Gallons

**Uses:** Pots, Baskets, Combos, Landscapes

COMPACT  
VIGOR

Spreading

HIGH DENSITY, SUN LOVER, NO PINCH



Blue

Ⓟ 1 Ⓠ 1 Ⓢ A



Purple

Ⓟ 1 Ⓠ 1 Ⓢ A



Beats Purple+White



Purple+White

Ⓟ 1 Ⓠ 1 Ⓢ A



Red

Ⓟ 1 Ⓠ 1 Ⓢ A



Red+White

Ⓟ 1 Ⓠ 1 Ⓢ A



White

Ⓟ 1 Ⓠ 1 Ⓢ A

# Lascar™ Verbena

*Verbena cultivars*

- Medium vigor with mounded-trailing habit
- Uniform series is early to flower
- Excellent in combinations

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

**Spread:** 12 to 16 in. (30 to 41 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos, Landscapes

**SUN LOVER**



**Semi-Trailing**



Lascar Salmon





Purple  
 Ⓟ 3 Ⓠ 2 Ⓡ A



Vampire  
 Ⓟ 3 Ⓠ 2 Ⓡ A



Black Velvet  
 Ⓟ 2 Ⓠ 1 Ⓡ A



Red Rose  
 Ⓟ 3 Ⓠ 2 Ⓡ B



Dark Violet  
 Ⓟ 3 Ⓠ 2 Ⓡ A



Burgundy  
 Ⓟ 3 Ⓠ 2 Ⓡ B



Mango Orange  
 Ⓟ 2 Ⓠ 2 Ⓡ B



Salmon  
 Ⓟ 3 Ⓠ 2 Ⓡ A



Pink  
 Ⓟ 2 Ⓠ 2 Ⓡ B



Dark Red  
 Ⓟ 2 Ⓠ 1 Ⓡ A



White  
 Ⓟ 2 Ⓠ 3 Ⓡ B

# BeBop™ Verbena

*Verbena cultivars*

- Bright, exciting patterns and colors
- Trailing plants
- Great branching and center-fill
- Superior season-long color



Spreading



Lavender  
Ⓟ 4 Ⓠ 2 Ⓢ B



Pink  
Ⓟ 4 Ⓠ 1 Ⓢ B

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

**Spread:** 12 to 16 in. (30 to 41 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos, Landscapes

SUN LOVER

# Blues™ Verbena

*Verbena cultivars*

- Big blooms with an eye
- Medium-vigor, semi-upright series
- Perfect in mixed containers
- High resistance to powdery mildew



Upright  
Semi-Trailing



Violet+Eye 22  
Ⓟ 2 Ⓠ 2 Ⓢ A



Lavender+Eye  
Ⓟ 2 Ⓠ 2 Ⓢ A

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

**Spread:** 12 to 18 in. (30 to 46 cm)

**Ideal Pot Sizes:** Gallons, Gallons or Larger

**Uses:** Pots, Baskets, Combos, Landscapes

SUN LOVER



White  
Ⓟ 3 Ⓠ 3 Ⓢ A



Magenta+Eye  
Ⓟ 3 Ⓠ 2 Ⓢ B



Purple+Eye  
Ⓟ 3 Ⓠ 3 Ⓢ A



Red  
Ⓟ 3 Ⓠ 3 Ⓢ A



Rose+Eye  
Ⓟ 3 Ⓠ 3 Ⓢ A



Light Pink+Eye  
Ⓟ 3 Ⓠ 3 Ⓢ A



# Potted Plants

Mandala™ Double Orange Kalanchoe



**Double Orange**  
Ⓟ 3, Response: 7.5,  
Bloom Size: 2.5 mm

**NEW** Mandala™ Kalanchoe

*Kalanchoe blossfeldiana*

- The most uniform kalanchoe series
- Consistent vigor, shape and response time
- Programmable, easy production
- Vivid colors create stand-out displays

**Height:** 7 to 9 in. (18 to 23 cm)

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

**Ideal Pot Sizes:** Packs, Quarts, Gallons, Gallons or Larger

**Uses:** Indoor Pots, Combos, Landscapes

HIGH DENSITY



Upright



Orange  
 Ⓟ 3, Response: 8,  
 Bloom Size: 4 mm



Purple  
 Ⓟ 3, Response: 8,  
 Bloom Size: 4 mm



Double White  
 Ⓟ 4, Response: 9,  
 Bloom Size: 5 mm



Yellow  
 Ⓟ 4, Response: 7.5,  
 Bloom Size: 3.5 mm



Pink  
 Ⓟ 3, Response: 7.5,  
 Bloom Size: 2.5 mm



Red  
 Ⓟ 4, Response: 8,  
 Bloom Size: 3.5 mm



Bright Orange  
 Ⓟ 3, Response: 7.5,  
 Bloom Size: 2.5 mm



White  
 Ⓟ 3, Response: 8,  
 Bloom Size: 3.5 mm



Croco  
 Ⓟ 4, Response: 7.5



Pink+White  
 Ⓟ 3, Response: 8,  
 Bloom Size: 2.5 mm



Hot Pink  
 Ⓟ 3, Response: 8,  
 Bloom Size: 2.5 mm



Rose  
 Ⓟ 3, Response: 8,  
 Bloom Size: 2.5 mm



Light Pink  
 Ⓟ 3, Response: 7.5,  
 Bloom Size: 4 mm

# Dianthus

This season, our extensive lineup includes an array of pot carnation options that make exciting gift items for the end consumer. There are many versatile products to choose from, with several varieties thriving as indoor potted plants as well as outdoors in patio containers and the garden. Check out the sizing guide on this page to start planning your ideal program.



**Oscar®**  
page 110

**Pink Kisses®**  
page 112

**NEW I ♥ U**  
page 112

**NEW Scully**  
page 113



MEDIUM  
VIGOR

**Early Love\***  
page 113

**Purple Wedding™**  
page 115

**NEW DiaDeur™**  
page 114

**SuperTrouper™**  
page 116

**Palm Peach**  
page 115

# Oscar<sup>®</sup> Dianthus

*Dianthus caryophyllus*

- Hyper-uniform pot carnation series
- Best-branched habit on the market
- Compact and upright
- Long-lasting double blooms

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

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

**USDA Hardiness Zone:** 6a

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Combos, Landscapes

COMPACT  
VIGOR

Mounded



Oscar  
Cherry+Velvet





NEW

Cherry

Ⓟ 2 Ⓟ 2 Ⓟ B



NEW

Purple

Ⓟ 2 Ⓟ 2 Ⓟ B



NEW

Red Star

Ⓟ 2 Ⓟ 2 Ⓟ B



NEW

Violet+Pink

Ⓟ 2 Ⓟ 2 Ⓟ B



NEW

White

Ⓟ 1 Ⓟ 2 Ⓟ B



Purple Star

Ⓟ 2 Ⓟ 2 Ⓟ B



Cherry+Velvet

Ⓟ 2 Ⓟ 2 Ⓟ B



Dark Red

Ⓟ 2 Ⓟ 2 Ⓟ B



Pink

Ⓟ 2 Ⓟ 2 Ⓟ B



Pink+Purple

Ⓟ 2 Ⓟ 2 Ⓟ B



Salmon

Ⓟ 2 Ⓟ 2 Ⓟ B

**NEW** I ♥ U Dianthus

*Dianthus caryophyllus*

- Always displays a full range of colors
- Deep pink; soft rose and pink; white
- Works both indoors and outdoors
- Pollinators love this fragrant carnation

**Height:** 2 to 4 in. (5 to 10 cm)

**Spread:** 5 to 7 in. (13 to 18 cm)

**USDA Hardiness Zone:** 6a to 10a

**Ideal Pot Sizes:** Quarts

**Uses:** Pots, Combos, Landscapes

**HIGH DENSITY**

COMPACT VIGOR

Mounded



Ⓟ 1 Ⓞ 1 Ⓢ B

Please visit [selectanorthamerica.com](http://selectanorthamerica.com) to order Point of Purchase materials.

**Pink Kisses<sup>®</sup>**  
Dianthus

*Dianthus cultivars*

- Perfect “grab-and-go” gift item
- Lots of two-tone flowers; no deadheading
- Early-season, easy-to-grow pot carnation
- Frost-hardy, late-season tender perennial

**Height:** 12 to 16 in. (30 to 41 cm)

**Spread:** 10 to 14 in. (25 to 36 cm)

**USDA Hardiness Zone:** 5a to 6a

**Ideal Pot Sizes:** Packs, Quarts

**Uses:** Pots, Combos

COMPACT VIGOR

Upright



Ⓟ 2 Ⓞ 2 Ⓢ B

Please visit [selectanorthamerica.com](http://selectanorthamerica.com) to order Point of Purchase materials.

**NEW** Scully Dianthus

*Dianthus caryophyllus*

- Purple blooms contrast dark foliage
- Early and mid-Spring sales
- Versatile for indoor or outdoor use
- Grow cool for low-energy production

**Height:** 10 to 14 in. (25 to 36 cm)

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

**USDA Hardiness Zone:** 6a

**Ideal Pot Sizes:** Quarts

**Uses:** Pots, Combos

COMPACT  
VIGOR

Upright



Ⓟ 2 Ⓞ 2 Ⓢ B

**Early Love**<sup>®</sup>  
Dianthus

*Dianthus cultivars*

- Early-flowering, unique bicolor
- Large, double blooms on short stems
- Flower bouquet-look for Valentine's Day
- Great match to Pink Kisses<sup>®</sup>

**Height:** 10 to 14 in. (25 to 36 cm)

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

**USDA Hardiness Zone:** 7a

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Combos

MEDIUM  
VIGOR

Upright



Ⓟ 2 Ⓞ 1 Ⓢ B

**NEW** DiaDeur™ Dianthus

*Dianthus caryophyllus*

- Double, multicolored, fragrant blooms
- Medium-vigor, well-branched habit
- Works both indoors and outdoors
- Low-energy growing; weather tolerant

**Height:** 10 to 14 in. (25 to 36 cm)

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

**USDA Hardiness Zone:** 6a

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Combos, Landscapes

MEDIUM  
VIGOR

Upright  
Mounded



DiaDeur  
Magenta+Red



Magenta+Red  
V 3 L 3 B



Magenta+White Edge  
V 3 L 2 B



Pink+Red  
V 3 L 2 B



Velvet+White  
V 3 L 2 B

# Palm Peach Dianthus

*Dianthus cultivars*

- Extremely long-lasting flowers
- Windowsill item or compact potted plant
- Ideal for distribution center shipping
- Cold tolerant; not sensitive to ethylene

**Height:** 10 to 14 in. (25 to 36 cm)

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

**USDA Hardiness Zone:** 7a

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Combos

MEDIUM  
VIGOR

Upright



Ⓟ 2 Ⓠ 2 Ⓡ B

# Purple Wedding™ Dianthus

*Dianthus cultivars*

- Early, upright, dark-leaved carnation
- Frost tolerant and lasts for months
- Tricolored purple blooms with a dark eye
- Birds and bees flock for a big show

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

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

**USDA Hardiness Zone:** 7a

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Combos

MEDIUM  
VIGOR

Upright



Ⓟ 2 Ⓠ 2 Ⓡ B

SuperTrouper™ Lavender+Eye Dianthus



# SuperTrouper™ Dianthus

*Dianthus caryophyllus*

- Double flowers on an upright habit
- Excellent color range
- Wonderful fragrance
- Strong performer in pots and gardens

**Height:** 10 to 14 in. (25 to 36 cm)

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

**USDA Hardiness Zone:** 6a

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Combos, Landscapes

MEDIUM  
VIGOR

Upright  
Mounded



Lavender+Eye  
V 3 L 2 B



Light Pink  
V 3 L 2 B



Red+Pink  
V 3 L 2 B



Yellow  
V 3 L 3 B



Orange  
V 3 L 3 B



Purple  
V 3 L 2 B



Red+White  
V 3 L 2 B



Scarlet  
V 3 L 3 B



Silver Pink  
V 4 L 2 B



White  
V 3 L 2 B

# Calynopsis™ Calceolaria

*Calceolaria hybrida*

- Unique, colorful premium potted plant
- Early-season sales
- Liner supply limited to specific producers and ship weeks

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

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

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Landscapes

MEDIUM  
VIGOR

Upright



Calynopsis Yellow With Red



Red+Yellow Eye

Ⓟ 1 Ⓡ 2 Ⓢ C



Yellow With Red

Ⓟ 2 Ⓡ 3 Ⓢ C



Red

Ⓟ 3 Ⓡ 2 Ⓢ C



Yellow

Ⓟ 1 Ⓡ 2 Ⓢ C





# Perennials

Dianthalot™ Pink+Star and Dark Red+Star Dianthus



# Dianthus

Selecta One has the assortment to meet all your hardy dianthus needs. With our active breeding program, we provide you with the best products available. Plus, the programmability makes planning your dianthus production easier than ever. Our lineup ranges in timing, flower forms and colors - with six new varieties joining the EverLast™ series this season. Check out page 124 for more information.



**Dianthalot™**  
page 122



**Carmen™**  
page 123

**EverLast™**  
page 124

# Dianthalot™ Dianthus

*Dianthus cultivars*

- Super-tough, overwintering series
- Blooms Spring and Summer
- No vernalization required
- Fast-crop perennial for Spring planting

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

**Spread:** 14 to 20 in. (36 to 51 cm)

**USDA Hardiness Zone:** 5a

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Landscapes



**Mounded  
Semi-Trailing**



Dark Red+Star

☑ 2 ☑ 2 ☑ A



Pink+Star

☑ 2 ☑ 2 ☑ A



Dianthalot  
Dark Red+Star

# Carmen™ Dianthus

*Dianthus cultivars*

- Zone 5-hardy, true perennial
- Overwinters better than other carnations
- Excellent uniformity
- Double blooms

**Height:** 10 to 14 in. (25 to 36 cm)

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

**USDA Hardiness Zone:** 5b

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Combos, Landscapes

MEDIUM  
VIGOR

Upright



Burgundy

Ⓟ 3 Ⓟ 2 Ⓟ B



Purple

Ⓟ 3 Ⓟ 2 Ⓟ B



Red

Ⓟ 3 Ⓟ 2 Ⓟ B



Carmen  
Burgundy

# EverLast™ Dianthus

*Dianthus interspecific*

- Upright habit
- Most extensive color range
- Blooms in early Spring
- Tough as nails in any weather

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

**Spread:** 10 to 14 in. (25 to 36 cm)

**USDA Hardiness Zone:** 5a

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Combos, Landscapes

MEDIUM  
VIGOR

Upright  
Mounded



EverLast  
Burgundy Blush



NEW

Magenta

Ⓟ 2 Ⓟ 2 Ⓟ B



NEW

Pink Star

Ⓟ 2 Ⓟ 2 Ⓟ B



NEW

Pink to White

Ⓟ 2 Ⓟ 2 Ⓟ B



NEW

Purple

Ⓟ 2 Ⓟ 2 Ⓟ B



NEW

Velvet

Ⓟ 1 Ⓟ 2 Ⓟ B



NEW

Violet Blue

Ⓟ 3 Ⓟ 3 Ⓟ B



Burgundy Blush

Ⓟ 3 Ⓟ 3 Ⓟ B



Lavender+Eye

Ⓟ 3 Ⓟ 2 Ⓟ B



Orchid

Ⓟ 3 Ⓟ 2 Ⓟ B



Raspberry Cream

Ⓟ 3 Ⓟ 2 Ⓟ B



Red+Pink

Ⓟ 3 Ⓟ 2 Ⓟ B



White+Eye

Ⓟ 2 Ⓟ 2 Ⓟ B

# Belleza<sup>®</sup> Gaura

*Gaura lindheimeri*

- Excellent branching and upright habit
- Performs in high humidity/extreme heat
- Great companion plant
- Native pollinator

**Height:** 12 to 18 in. (30 to 46 cm)

**Spread:** 16 to 20 in. (41 to 51 cm)

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

**Ideal Pot Sizes:** Gallons

**Uses:** Pots, Landscapes

HIGH DENSITY, SUN LOVER



Upright



Belleza White



Compact Light Pink

Ⓟ 2 Ⓢ 1 Ⓜ B



Dark Pink

Ⓟ 4 Ⓢ 2 Ⓜ A



White

Ⓟ 3 Ⓢ 2 Ⓜ A



# Sweet Dreams™ Lavender

*Lavandula angustifolia*

- Low-to-no vernalization requirements
- Strong, well-branched plants
- Deep blue flowers; superior fragrance
- Excellent Summer performance

**Height:** 12 to 18 in. (30 to 46 cm)

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

**USDA Hardiness Zone:** 5a

**Ideal Pot Sizes:** Quarts, Gallons

**Uses:** Pots, Combos, Landscapes

SUN LOVER



Upright



Sweet Dreams Blue



Blue

Ⓟ 3 Ⓟ 2 Ⓢ A



Lavender

Ⓟ 4 Ⓟ 2 Ⓢ A

# LaVela™ Lavender

*Lavandula stoechas*

- Tender perennial
- Flowers for early-season sales
- Colorful blooms; large flag and big bee
- Well-branched Spanish lavender

**Height:** 13 to 15 in. (33 to 38 cm)

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

**USDA Hardiness Zone:** 7a

**Ideal Pot Sizes:** Quarts, Gallons, Gallons or Larger

**Uses:** Pots, Combos



Upright



LaVela Dark Violet



Compact Dark Violet

☺ 2 ☺ 2 🌀 B



Compact Dark Pink

☺ 2 ☺ 2 🌀 B



Compact White

☺ 3 ☺ 1 🌀 B



Dark Violet

☺ 3 ☺ 2 🌀 B



# Herbs

# Herbs

Explore the versatility of Selecta One's quality vegetative herb collection — an array of sweet and savory varieties that the at-home gardener can utilize as border plants or spice up their favorite recipes!



Doone Valley  
*Thymus x ditriodorus*



Lemon Verbena  
*Lippia citriodora*



Lemon Balm  
*Melissa officinalis*



Moroccan  
*Mentha spicata*



Common  
*Mentha x piperita*



Chocolate Mint  
*Mentha x piperita*



Greek Columnar  
*Ocimum basilicum*



Italian  
*Origanum vulgare*



Compactum  
*Origanum vulgare*



Hot & Spicy  
*Origanum vulgare*



Marjoram  
*Origanum vulgare*



Tuscan Blue  
*Rosmarinus officinalis*



Perigord  
*Rosmarinus officinalis*



Prostratus  
*Rosmarinus officinalis*



Common  
*Rosmarinus officinalis*



Purpurascens  
*Salvia officinalis*



Tricolor  
*Salvia officinalis*



Berggarten  
*Salvia officinalis*



Aurea  
*Salvia officinalis*



Grower's Friend  
*Salvia officinalis*



Compactus  
*Thymus x citriodorus*



Silver Queen  
*Thymus x citriodorus*



Spanish  
*Thymus x citriodorus*



Faustinoi  
*Thymus vulgaris*

# Product Information

## Product Forms

Selecta One offers you a range of different product forms including unrooted cuttings and TrixiLiners. Also available are AutoStix® and AutoStix® Plus – pre-rooted cuttings designed to eliminate the time and costs associated with traditional liner production. Our groundbreaking products and forms make Selecta One's offering the most innovative in the industry – with your success in mind!



### Unrooted cuttings (URC)

All Selecta One varieties are available as URC.

- Variety minimum/multiples of 100
- Order minimum is 2,000
- Available exclusively through Ball Seed
- Also available in AutoStix strip

### AutoStix® & AutoStix® Plus strip cuttings

Same high-quality unrooted cuttings from Selecta One in a biodegradable strip for automated transplanting.

- Variety and order minimums are the same as URC
- Order minimum is 2,000
- Available exclusively through Ball Seed

### AutoStix Plus pinched (Verbena only)

- Variety minimum of 100
- Can combine with URC

### Callused cuttings

Available in Osteospermum, the cuttings can be direct stuck to the finish container, so propagation is cut by 7 to 9 days.

- Variety minimum multiples of 100
- Order minimum is 2,000
- Available exclusively through Ball Seed



### Rooted cuttings

Selecta One varieties are available as rooted cuttings from Selecta One licensed Root & Sell Stations. To find contact information for our Root & Sell Stations in the U.S. and Canada, turn to the back cover.

- Available from your preferred broker

### Trixi®

Upgraded to customize the treatment of components, Trixi gives you a stronger start for a better finish of 100% complete and balanced color combos. For more information, see page 4 or go to [SelectaNorthAmerica.com](http://SelectaNorthAmerica.com).

- Available from your preferred broker

## Selecta One Clean & Field-Tested Varieties

Every Selecta One variety is rigorously tested before entering our program. Every program variety is subject to the same testing annually. Our Selecta One Clean Stock program follows strict, internationally recognized protocols, and is based on 60 years of experience. Clean Stock starts in the Selecta One clean stock facility in Stuttgart, Germany. The Selecta One production centers are located in Kenya, Uganda and Canada. Our field-tested products are intensively rated for performance and provide benefits for growers as well as for consumers.



## Discontinued Selecta One Varieties for 2022

VARIETY	RECOMMENDED REPLACEMENT	VARIETY	RECOMMENDED REPLACEMENT
Calceolaria Calynopsis Orange	Calceolaria Calynopsis Red+Yellow Eye	Impatiens New Guinea ColorPower Dark Pink	Impatiens New Guinea ColorPower Dark Pink Flame
Calibrachoa MiniFamous Neo White	Calibrachoa MiniFamous Neo White 22	Impatiens New Guinea ColorPower Red	Impatiens New Guinea ColorPower Red 22
Calibrachoa MiniFamous Uno Raspberry Star	Calibrachoa MiniFamous Neo Pink Hawaii	Impatiens New Guinea ColorPower White	Impatiens New Guinea ColorPower White 22
Calibrachoa MiniFamous Uno Yellow+Red Vein	Calibrachoa MiniFamous Uno Yellow+Red Vein 22	Lobelia Magadi Blue	Lobelia Magadi Dark Blue
Dahlia Dahlietta Lily	Dahlia Dahlietta Anna	Lobelia Magadi Compact Dark Blue	Lobelia Magadi Compact Dark Blue 22
Dahlia Dalaya Dark Red+White	Dahlia Venti Red+White	Lobelia Magadi Compact White	Lobelia Magadi Compact White 22
Dahlia Dalaya Red	Dahlia Dalaya Vampire 22	Mandevilla Dundee Pink	<i>no replacement available</i>
Dahlia Dalaya Vampire	Dahlia Dalaya Vampire 22	Mandevilla Dundee Red	Mandevilla Magnetica Dark Red
Delosperma Lido Golden Yellow	Portulaca PortoGrande Yellow	Osteospermum FlowerPower Compact Light Pink	Osteospermum FlowerPower Compact Pink+Eye
Delosperma Lido Magenta	Portulaca PortoGrande Magenta	Petunia Headliner Electric Purple	Petunia Headliner Electric Purple 22
Delosperma Lido Orange+Eye	Portulaca PortoGrande Orange	Petunia Headliner Rose Star	Petunia Headliner Banana Cherry
Delosperma Lido Pink	Portulaca PortoGrande Raspberry Lemonade	Petunia Main Stage White	Petunia Main Stage White 22
Delosperma Lido White	Portulaca PortoGrande White	Trixi Batting Eyes	Trixi Batting Eyes 22
Dianthus Everlast Light Pink+Eye	Dianthus EverLast Pink Star	Trixi Cajun Flare	Trixi Cajun Flare 22
Dianthus Oscar Salmon+White	Dianthus Oscar Red Star	Trixi Charged Up Cherry!	Trixi Charged Up Cherry! 22
Dianthus Oscar Scarlet	Dianthus Oscar Cherry	Trixi Chemical Attraction	Trixi Chemical Attraction 22
Dianthus SuperTrouper Lavender+White	Dianthus SuperTrouper Lavender+Eye	Trixi Double Delight	Trixi Charged Up Cherry! 22
Dianthus SuperTrouper Magenta+White	Dianthus DiaDeur Magenta+White Edge	Trixi Flamingo Feather	Trixi Daisy Dance
Dianthus SuperTrouper Pink+White	Dianthus DiaDeur Magenta+White Edge	Trixi Love Song	Trixi Lip Sync
Dianthus SuperTrouper Velvet Red	Dianthus SuperTrouper Scarlet	Trixi Nightfall	Trixi Purple Lace
Geranium Ivy Royal Amethyst	Geranium Ivy Royal Blue	Trixi Old Glory	Trixi Old Glory 22
Geranium Ivy Royal Pink	Geranium Ivy Royal Hot Pink	Trixi Party Favor	Trixi Party Favor 22
Geranium Ivy Royal Sweet Candy	Geranium Ivy Royal Candy Cane	Trixi Prime Time	Trixi Crazy for Crayons
Geranium Zonal Moonlight Cranberry Blush	Geranium Zonal Moonlight Raspberry Blush	Trixi Purple with a Purpose	Trixi Purple with a Purpose 22
Geranium Zonal Moonlight Scarlet Red	Geranium Zonal Moonlight Brilliant Red	Trixi Raspberry Sorbet	Trixi Raspberry Sorbet 22
Geranium Zonal Sunrise Fuchsia	Geranium Zonal Sunrise Violet	Trixi Salt Water Taffy	Trixi Charged Up Cherry! 22
Geranium Zonal Sunrise Lavender+Red Eye	Geranium Zonal Sunrise Pink+Big Eye	Trixi Spring Valley	Trixi Double Take
Impatiens Interspecific Big Bounce Cherry	Impatiens Interspecific Bounce Cherry	Trixi Treasure Chest	Trixi Purple Lace
Impatiens Interspecific Big Bounce Lavender	Impatiens Interspecific Bounce Violet	Trixi Who Knew Orleans	Trixi Who Knew Orleans 22
Impatiens Interspecific Big Bounce Lavender Flame	Impatiens Interspecific Bounce Pink Flame	Trixi Wild Berry	Trixi Wild Berry 22
Impatiens Interspecific Big Bounce Lilac	Impatiens Interspecific Bounce Violet	Verbena Blues Violet+Eye	Verbena Blues Violet+Eye 22
Impatiens Interspecific Big Bounce Pink	Impatiens Interspecific Bounce Bright Coral	Verbena Lascar Hot Rose	Verbena Lascar Burgundy
Impatiens Interspecific Big Bounce Red	Impatiens Interspecific Bounce Cherry	Verbena Pops Dark Red	Verbena Beats Red
Impatiens Interspecific Big Bounce White	Impatiens Interspecific Bounce White	Verbena Pops Pink	Verbena Beats Red+White
		Verbena Pops Pink+Eye	Verbena Beats Red+White
		Verbena Pops Pink+Red Eye	Verbena Beats Red+White
		Verbena Pops Salmon+Red Eye	Verbena Lascar Mango Orange
		Verbena Pops White	Verbena Beats White

## Renamed Selecta One Varieties for 2022

VARIETY	2022 RENAME
Dianthus Oscar Purple Star 21	Dianthus Oscar Purple Star
Dianthus SuperTrouper Purple 21	Dianthus SuperTrouper Purple
Dianthus SuperTrouper Velvet+White	Dianthus DiaDeur Velvet+White
Dianthus SuperTrouper White 21	Dianthus SuperTrouper White
Geranium Ivy Royal Dark Red 21	Geranium Ivy Royal Dark Red
Helichrysum Silver Stitch 21	Helichrysum Silver Stitch
Lavender LaVela Compact Dark Violet 21	Lavender LaVela Compact Dark Violet
Petunia Headliner Dark Violet Picotee 21	Petunia Headliner Dark Violet Picotee
Trixi Double Date 21	Trixi Double Date





**COMMERCIAL NAME**

**Petunia**

Headliner™ Banana Cherry  
 Headliner™ Blue  
 Headliner™ Blueberry Swirl  
 Headliner™ Crystal Sky  
 Headliner™ Dark Saturn  
 Headliner™ Dark Violet Picotee  
 Headliner™ Electric Purple 22  
 Headliner™ Electric Purple Sky  
 Headliner™ Enchanted Sky  
 Headliner™ Lipstick  
 Headliner™ Night Sky®  
 Headliner™ Pink Sky  
 Headliner™ Pink Vein  
 Headliner™ Raspberry Star  
 Headliner™ Raspberry Swirl  
 Headliner™ Red  
 Headliner™ Red Star  
 Headliner™ Sky Blue  
 Headliner™ Starry Sky  
 Burgundy  
 Headliner™ White  
 Headliner™ White Rose Vein  
 Headliner™ Yellow  
 Main Stage™ Blueberry  
 Main Stage™ Glacier Sky  
 Main Stage™ Hot Pink  
 Main Stage™ Pink  
 Main Stage™ Pink Vein  
 Main Stage™ Purple  
 Main Stage™ Red  
 Main Stage™ Violet  
 Main Stage™ Violet Picotee  
 Main Stage™ White 22  
 Starlet™ Blue  
 Starlet™ Blueberry Vein  
 Starlet™ Burgundy  
 Starlet™ Dark Pink  
 Starlet™ Lavender Star  
 Starlet™ Light Pink  
 Starlet™ Magenta Star  
 Starlet™ Midnight Sky  
 Starlet™ Pink Lemonade  
 Starlet™ Pinot Red  
 Starlet™ Purple Star  
 Starlet™ Red  
 Starlet™ Salmon Red Vein  
 Starlet™ Velvet  
 Starlet™ White  
 Starlet™ Yellow  
 SweetSunshine™ Burgundy  
 SweetSunshine™ Honeydew  
 SweetSunshine™ Light Pink  
 SweetSunshine™ Magenta  
 SweetSunshine™ Provence

**Phlox**

Gisele® Hot Pink  
 Gisele® Light Pink+Eye  
 Gisele® Light Violet  
 Gisele® Pink  
 Gisele® Purple  
 Gisele® Red  
 Gisele® Scarlet  
 Gisele® White

**Portulaca**

PortoGrande™ Magenta  
 PortoGrande™ Orange  
 PortoGrande™ Raspberry  
 Lemonade  
 PortoGrande™ Scarlet  
 PortoGrande™ White  
 PortoGrande™ Yellow

**Salvia**

Skyscraper™ Dark Purple  
 Skyscraper™ Orange  
 Skyscraper™ Pink

**Sanvitalia**

Tsavo™ Compact Yellow

**Scaevola**

Fairy™ Blue  
 Fairy™ Pink  
 Fairy™ White

**Verbena**

Beats™ Blue  
 Beats™ Purple  
 Beats™ Purple+White  
 Beats™ Red  
 Beats™ Red+White  
 Beats™ White  
 BeBop™ Lavender  
 BeBop™ Pink  
 Blues™ Light Pink+Eye  
 Blues™ Magenta+Eye  
 Blues™ Purple+Eye  
 Blues™ Red  
 Blues™ Rose+Eye  
 Blues™ Violet+Eye 22  
 Blues™ White  
 Lascar™ Black Velvet  
 Lascar™ Burgundy  
 Lascar™ Dark Red  
 Lascar™ Dark Violet  
 Lascar™ Mango Orange  
 Lascar™ Pink  
 Lascar™ Purple  
 Lascar™ Red Rose  
 Lascar™ Salmon  
 Lascar™ Vampire  
 Lascar™ White

**VARIETY NAME**

KLEPH20425  
 KLECO1037  
 KLEPH16332  
 KLEPH20411  
 KLEPH18130  
 KLEPH19120  
 KLEPH20491  
 KLEPH20513  
 KLEPH20580  
 KLEPH17318  
 KLEPH15313  
 KLEPH17342  
 KLEPH14244  
 KLEPH14267  
 KLEPH18198  
 KLEPH14248  
 KLEPH14232  
 KLEPH14245  
 KLEPH18389  
 KLEPH14247  
 KLEPH11217  
 KLEPH15261  
 KLEPH14273  
 KLEPH20480  
 KLEPH11204  
 KLEPH12024  
 KLEPH16274  
 KLECO30333  
 KLEPH12216  
 KLEPH17300  
 KLEPH09189  
 KLEPH19362  
 Balspunlu  
 KLEPH19396  
 Balspunburg  
 KLEPH11999  
 KLEPH17292  
 KLEPH20490  
 KLEPH17365  
 KLEPH19440  
 KLEPH14251  
 KLEPH18034  
 Balspunurst  
 KLEPH19412  
 KLEPH14253  
 KLEPH19035  
 Balspunwhi  
 KLEPH13238  
 KLEPH09191  
 KLEPH17296  
 KLEPH14241  
 KLEPH13234  
 KLEPH13235

KAZI14826  
 KLEPX20585  
 KAZI14828  
 KAZI14750  
 KLEPX20586  
 KAZI20094  
 KLEPX20088  
 KAZI14830

KLEPO12820  
 KLEPO14824  
 KLEPO17022  
 KLEPO14822  
 KLEPO16012  
 KLEPO14825

HYBSV16016  
 HYBSV18020  
 HYBSV16017

KLESP14002

KLESC13594  
 KLESC13595  
 KLESC13596

KLEVP20064  
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 KLEVP18004  
 KLEVP11419  
 KLEVP11423  
 KLEVP19068  
 KLEVP12434

# Important Plant Protection & Licensing Information

## Plant Protection

Selecta One varieties are covered by the Flowering Only Terms and Conditions of Sale Agreement. Many are also protected by U.S. Patents and/or Plant Breeders' Rights in Canada and elsewhere.

## Flowering Only Terms & Conditions

Plants shall be sold only as "Finished Plants", defined as plants grown in a 3-in. (7.5-cm) size pot/container or larger. Propagation and/or taking tip cuttings as well as the unlicensed sale and transfer of rooted or unrooted cuttings to any other company or individual, is strictly prohibited. By accepting an order and/or opening a box of Selecta One plants, you signify agreement with these Flowering Only Terms & Conditions of Sale. Flowering Only Terms & Conditions information is also available through Royalty Administration International (RAI). RAI has been appointed as our agent in the U.S. for the protection of Selecta One varieties. RAI reserves the right to inspect premises and plantings at any reasonable time to ensure compliance with the terms and conditions stated herein.

## Propagation License Agreement

Only Selecta One Geranium, New Guinea Impatiens, Osteospermum, Sutera and Poinsettia varieties are available for licensed propagation and only for the purpose of producing and selling "Finished" plants (defined above). Propagation is strictly prohibited without a license. To obtain a Propagation license, please contact RAI U.S. at (800) 472-4724. This royalty bearing license must be signed and returned to RAI in order to receive cuttings and maintain stock plants. Canada Growers, please contact Ball Licensing Administration at (630) 588-3111 or (630) 588-3311.



ROYALTY Administration International  
 10501 Ben C. Pratt / Six Mile Cypress Parkway,  
 Suite 103  
 Fort Myers, FL 33966  
 Phone: (800) 472-4724 / (239) 278-9917  
 Fax: (239) 278-4833  
 E-mail: info@rai-na.com

## Selecta One Image, Tag and Trademark Policy

All images featuring Selecta One products are to be used for promotional materials, including but not limited to point-of-purchase items, tags, advertising, catalogs, fliers, websites, etc. They may not be used without permission from Selecta One or Ball.

All images loaned by Selecta One are copyrighted and are the property of Selecta Klemm GmbH & Co. KG and its subsidiaries. They are loaned to customers for promotional use only. Images may not be sublicensed or resold. Any unauthorized use is strictly prohibited.

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# Terms & Conditions of Sale

**Note:** Ball Terms & Conditions of Sale are country/region specific. The following Terms & Conditions of Sale apply to product sold within the United States and Canada.

## Acceptance of Terms

These terms and conditions shall govern orders for plants (merchandise) placed with Seller. All negotiations with sales representatives or other agents of Seller are merged herein. No modification of these terms and conditions shall be effective unless in writing signed by Seller. Placement of the order shall constitute Purchaser's acceptance of these terms and conditions. All orders are subject to acceptance by Seller at our offices in West Chicago, Illinois.

## Limitation of Warranty

Seller warrants, to the extent required by law, that merchandise conforms to the description appearing in Seller's catalog and on container labels, within recognized tolerances. SELLER MAKES NO OTHER OR FURTHER WARRANTY, EXPRESS OR IMPLIED. ALL OTHER OR FURTHER WARRANTIES, INCLUDING ANY WARRANTIES OF MERCHANTABILITY, TITLE, NON-INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. Certain merchandise may be separately warranted by the manufacturer. Seller does not adopt or ratify any manufacturer warranties, express or implied, and Seller shall have no liability thereunder. Seller does not adopt or ratify any manufacturer warranties, express or implied, made by Purchaser upon resale of the merchandise, and Seller shall have no liability thereunder.

## Limitation of Remedy

PURCHASER'S SOLE AND EXCLUSIVE REMEDY SHALL BE REFUND OF THE PURCHASE PRICE. SELLER'S LIABILITY, WHETHER FOR BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, PRODUCTS LIABILITY OR ANY OTHER THEORY OF LIABILITY, IS LIMITED TO THE AMOUNT OF THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE, OR FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

## Mandatory Arbitration

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

SAID ARBITRATION TO BE VENUED IN COOK OR DUPAGE COUNTIES, ILLINOIS. The laws of several states require arbitration, conciliation or mediation of disputes involving allegedly defective plants before legal action may be taken. Purchaser should contact the State Department Of Agriculture for information. Such laws typically require that a complaint be filed with the State Department Of Agriculture in time to permit inspection of the crops or plants. If such a complaint is filed, a copy must be sent to Seller by registered or certified mail.

## 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, and Notice Regarding Seed-Borne Diseases in language substantially equivalent to that contained in these Terms and Conditions of Sale.

## Minimum Orders

The minimum quantity for each order is 500 unrooted cuttings. Total orders less than 2,000 unrooted cuttings will be subject to a minimum charge of \$30.

## 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.

## Payment

Payment is due in accordance with terms specified on invoice. 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.

## 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 the Ball Traffic Department at **800 879-BALL** 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 30 days prior to scheduled ship date. Cancellations for liners or seed-raised plugs must be received prior to stick or sow date.

## Notice & Return

No returns will be accepted. Seller shall have no liability for any defect unless notice is given promptly, not to exceed five (5) days after receipt of delivery of merchandise. Notice of defect should be addressed to Ball at 800 879-BALL.

## Delays, Shortages & Substitutions

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

## Plant Protection













Varieties described herein may be covered by the Flowering-Only Terms and Conditions of Sale Agreement, United States Plant Patents, United States Plant Variety Protection, Utility Patents, and Plant Breeders' Rights. These varieties may not be reproduced without authorization. The breeder or authorized representative has the right to inspect Purchaser's 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.








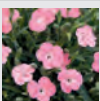
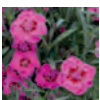
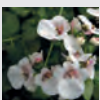

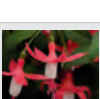
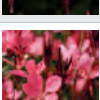
	Crop	Series/Variety	Recommended Cell Size (in millimeters)	Rooting Hormone (IBA + NAA mix)	Average Days with Mist	Early PGR Treatment Recommended (after 7-10 days) <sup>1</sup>	Average Propagation Weeks	Pinch in Propagation	Comments
	<b>Bacopa</b> <i>Sutera grandiflora</i>	<b>Big Falls™</b>	25 mm	no	7 to 9	yes	3 to 4	recommended	Stick 2 cuttings per cell; avoid overwatering of young plants; apply preventive fungicide treatment after sticking.
	<b>Begonia</b> <i>Begonia boliviensis</i>	<b>Compact Double Apricot, Mistral®</b>	25/35 mm	optional	0 to 3, reduce mist as soon as possible	yes	4 to 5	recommended; pinch to node #3 but before developing node #5	Avoid overmisting/watering of young plants. To avoid dormancy, tuberous Begonia requires a minimum day length of 14 hrs. and a minimum temperature of 55°F/13°C.
	<b>Begonia</b> <i>Begonia cultivars</i>	<b>Compact Marshmallow</b>	25/35 mm	optional	0 to 3, reduce mist as soon as possible	yes	4 to 5	recommended; pinch to node #3 but before developing node #5	Avoid overmisting/watering of young plants. To avoid dormancy, tuberous Begonia requires a minimum day length of 14 hrs. and a minimum temperature of 55°F/13°C.
	<b>Bidens</b> <i>Bidens ferulifolia</i>	<b>Namid™</b>	25 mm	no	7 to 9	yes	3 to 4	optional	Avoid stretch.
	<b>Bracteantha</b> <i>Bracteantha bracteata</i>	<b>Mohave™</b>	25/35 mm	recommended	9 to 12	no	4 to 5	no	Reduce mist as soon as possible; apply preventive fungicide treatment after sticking.
	<b>Calceolaria</b> <i>Calceolaria hybrida</i>	<b>Calynopsis™</b>	35/45 mm	recommended	9 to 12	no	5 to 6	no	Cool and humid conditions provide best environment for rooting. Avoid standing water on leaves, over-misting, heavily saturated media and overly warm conditions.
	<b>Calibrachoa</b> <i>Calibrachoa cultivars</i>	<b>MiniFamous® Neo</b>	25 mm	optional	9 to 12	yes	4 to 5	optional	Don't stick too deep; avoid overwatering of young plants and water stress.
	<b>Calibrachoa</b> <i>Calibrachoa hybrida</i>	<b>MiniFamous® Uno</b>	20 mm	no	9 to 12	optional	4 to 5	optional	
	<b>Convolvulus</b> <i>Convolvulus sabatius</i>	<b>Early Blue, Prime White</b>	25 mm	optional	9 to 12	yes	4 to 5	optional	Stick right after arrival. Apply preventive fungicide treatment after sticking and reduce mist as soon as possible.
	<b>Cuphea</b> <i>Cuphea hyssopifolia</i>	<b>Pink, Purple, White</b>	20 mm	optional	14	no	5	optional	
	<b>Dahlia</b> <i>Dahlia hybrida</i>	<b>City Lights™</b>	25 mm	yes	9 to 12	yes, B-Nine 1,500 PPM (S)	5	yes	
	<b>Dahlia</b> <i>Dahlia pinnata</i>	<b>Dahlietta®, Dahlita™</b>	25 mm	yes	9 to 12	no	3 to 4	optional	Hormone will improve rooting. Night-break lighting (10 p.m.-2 a.m.) will reduce likelihood of tuber formation.
	<b>Dahlia</b> <i>Dahlia hybrida</i>	<b>Dalaya®</b>	25 mm	yes	9 to 12	Apply B-Nine 1,500 PPM (S)	5	yes	Rooting hormone will even out rooting. Night interruption or extended day will help prevent tuber formation in short day seasons.

(PGR) = Plant Growth Regulators  
(S) = Spray  
(D) = Drench

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<sup>1</sup>PGR applications during rooting: Sprays only. Cover the plants and avoid run-off as much as possible. For vigorous products, first application should be done about 7-10 days after sticking, second when needed. Please test before use.













# Rooting Guide

	Crop	Series/Variety	Recommended Cell Size (in millimeters)	Rooting Hormone (IBA + NAA mix)	Average Days with Mist	Early PGR Treatment Recommended (after 7-10 days) <sup>1</sup>	Average Propagation Weeks	Pinch in Propagation	Comments
	<b>Dahlia</b> <i>Dahlia pinnata</i>	<b>Venti™</b>	25 mm	yes	9 to 12	Apply B-Nine 1,500 PPM (S)	5	yes	Begin feed regime as soon as roots are present to keep plant herbaceous. When propagating in short day season, give long days during liner growing.
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Carmen™, Early Love®</b>	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep very moist for the first 7 days, then reduce mist to avoid saturated media.
	<b>Dianthus</b> <i>Dianthus caryophyllus</i>	<b>DiaDeur™</b>	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Reduce mist after 4 to 5 days to promote root formation. Avoid excessive moisture in propagation media.
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Dianthalot™, Pink Kisses®</b>	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep hydrated. Sensitive root system; avoid overwatering of young plants.
	<b>Dianthus</b> <i>Dianthus interspecific</i>	<b>EverLast™</b>	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep hydrated. Sensitive root system; avoid overwatering of young plants.
	<b>Dianthus</b> <i>Dianthus caryophyllus</i>	<b>I Love U</b>	25/35 mm	recommended	14 to 21	no	5 to 6	optional	Keep very moist for the first several days in propagation, then begin to lower the mist. Should be well rooted in 14 to 16 days.
	<b>Dianthus</b> <i>Dianthus caryophyllus</i>	<b>Oscar®, Scully, SuperTrouper™</b>	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep hydrated. Sensitive root system; avoid overwatering of young plants.
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Palm Peach</b>	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep moist for the first week in propagation, then back down on mist rapidly to avoid rot.
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Purple Wedding™</b>	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep cuttings hydrated. Sensitive root system; avoid overwatering of young plants.
	<b>Diascia</b> <i>Diascia cultivars</i>	<b>Piccadilly™</b>	25 mm	no	7 to 9	yes	3 to 4	recommended	Stick 2 cuttings per cell.
	<b>Euphorbia</b> <i>Euphorbia hypericifolia</i>	<b>Loreen™</b>	25/35 mm	optional	7 to 10	Apply B-Nine/ Cycocel tank mix (S) 7 to 10 days after stick	3 to 4	recommended	Ethylene sensitive, so stick as soon as possible. Flower buds are common in propagation. Reduce mist as soon as possible.
	<b>Fuchsia</b> <i>Fuchsia cultivars</i>	<b>Bellinto™</b>	25 mm	no	7 to 10	no	4	yes	Avoid stretch and overwatering of young plants.
	<b>Gaura</b> <i>Gaura lindheimeri</i>	<b>Belleza®</b>	25 mm	optional	7 to 9	yes	4	optional	Avoid stretch.

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<sup>1</sup>PGR applications during rooting: Sprays only. Cover the plants and avoid run-off as much as possible. For vigorous products, first application should be done about 7-10 days after sticking, second when needed. Please test before use.

	Crop	Series/Variety	Recommended Cell Size (in millimeters)	Rooting Hormone (IBA + NAA mix)	Average Days with Mist	Early PGR Treatment Recommended (after 7-10 days) <sup>1</sup>	Average Propagation Weeks	Pinch in Propagation	Comments
	<b>Geranium (Interspecific)</b> <i>Pelargonium cultivars</i>	<b>Marcada™</b>	30/40 mm	yes	14	yes	5	no	In hot climates, use Cycocel (S) at 500 PPM.
	<b>Geranium (Ivy)</b> <i>Pelargonium peltatum</i>	<b>Balcon, Decora, Royal™</b>	25/35 mm single or double strip	yes	14	yes	4 to 5	no	Stick right after arrival, keep cuttings hydrated for the first 3 days, and reduce mist afterwards as soon as possible. Apply preventive fungicide treatment after sticking. Avoid stretch.
	<b>Geranium (Ivy)</b> <i>Pelargonium peltatum</i>	<b>Glacier White</b>	30/40 mm	yes	14	optional	5	optional	Use Cycocel (S) at a rate of 500 to 750 PPM if needed.
	<b>Geranium (Zonal)</b> <i>Pelargonium x hortorum</i>	<b>Moonlight™, Sunrise™</b>	25/35 mm single or double strip	optional	7 to 9	no	4	no	Stick right after arrival, keep cuttings hydrated for the first 3 days, and reduce mist afterwards as soon as possible. Apply preventive fungicide treatment after sticking.
	<b>Geranium (Zonal)</b> <i>Pelargonium x hortorum</i>	<b>Super Moon Red</b>	30 mm	yes	7 to 9	yes	5	no	Cycocel 750 PPM spray.
	<b>Glechoma</b> <i>Glechoma hederacea</i>	<b>Variegata</b>	20 mm	no	6	no	4	yes	Vining plant; pinching will help with branching and with avoiding cross-tangling of cells.
	<b>Helichrysum</b> <i>Helichrysum italicum</i>	<b>Silver</b>	25 mm	optional	15	optional	5	no	
	<b>Heliotrope</b> <i>Heliotropium arborescens</i>	<b>Marino™</b>	25 mm	optional	7 to 9	no	4	no	Stick right after arrival. Don't put URC in the cooler; apply preventive fungicide treatment after sticking and reduce mist as soon as possible.
	<b>Impatiens (Interspecific)</b> <i>Impatiens hawkeri</i>	<b>Bounce™</b>	25 mm	no	6 to 9	yes	4 to 5	no	Reduce mist starting day 5; don't overwater.
	<b>Impatiens (New Guinea)</b> <i>Impatiens hawkeri</i>	<b>ColorPower™</b>	25 mm	no	7 to 9	no	3 to 4	no	Stick right after arrival. Apply preventive fungicide treatment after sticking and reduce mist as soon as possible.
	<b>Impatiens (New Guinea)</b> <i>Impatiens hawkeri</i>	<b>ImPower™</b>	30 mm	no	7 to 9	no	4	no	
	<b>Kalanchoe</b> <i>Kalanchoe blossfeldiana</i>	<b>Mandala™</b>	25/35 mm	optional	N/A	no	3 to 5	no	Stick cuttings in moist media. Only apply water when media is dry. No misting.

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<sup>1</sup>PGR applications during rooting: Sprays only. Cover the plants and avoid run-off as much as possible. For vigorous products, first application should be done about 7-10 days after sticking, second when needed. Please test before use.











# Rooting Guide

	Crop	Series/Variety	Recommended Cell Size (in millimeters)	Rooting Hormone (IBA + NAA mix)	Average Days with Mist	Early PGR Treatment Recommended (after 7-10 days) <sup>1</sup>	Average Propagation Weeks	Pinch in Propagation	Comments
	<b>Lavandula</b> <i>Lavandula angustifolia</i>	<b>Sweet Dreams™</b>	20/30 mm	optional	12	no	6	yes	Reduce mist after day 5 to avoid rot and to drive root development.
	<b>Lavender</b> <i>Lavandula stoechas</i>	<b>LaVela™</b>	25 mm	no	14	no	6 to 7	yes	Use well-drained media. Avoid saturated media. Reduce mist early.
	<b>Lobelia</b> <i>Lobelia cultivars</i>	<b>Magadi™ Basket</b>	20 mm	no	14	optional	4	yes	
	<b>Lobelia</b> <i>Lobelia cultivars</i>	<b>Magadi™, Magadi™ Compact</b>	25 mm	no	7 to 9	yes	4	recommended	Keep cuttings hydrated. Avoid overwatering of young plants.
	<b>Lobularia</b> <i>Lobularia maritima</i>	<b>Featherlight</b>	20/30 mm	no	10	optional	4	no	
	<b>Lysimachia</b> <i>Lysimachia nummularia</i>	<b>Goldilocks</b>	20 mm	no	7 to 9	no	5	optional	
	<b>Mandevilla</b> <i>Mandevilla sanderi</i>	<b>Magnetica™</b>	30/40 mm	optional	14	optional	6 to 8	no	
	<b>Muehlenbeckia</b> <i>Muehlenbeckia complexa</i>	<b>Muehlenbeckia</b>	25/35 mm	optional	14 to 21	no	5 to 6	recommended	
	<b>Osteospermum</b> <i>Osteospermum hybrid</i>	<b>4D™</b>	25/35 mm	recommended	12 to 16	yes	4 to 5	no	Keep cuttings hydrated.
	<b>Osteospermum</b> <i>Osteospermum ecklonis</i>	<b>Daisy Falls™</b>	30 mm	yes	12 to 16	yes	4	optional	
	<b>Osteospermum</b> <i>Osteospermum ecklonis</i>	<b>FlowerPower™ Compact, FlowerPower™ Spider, Zion™</b>	25/35 mm	recommended	12 to 16	yes	4 to 5	no	Keep cuttings hydrated.
	<b>Pericallis</b> <i>Senecio x hybrida</i>	<b>Senetti®</b>	25 mm	yes	21	optional	4	yes	Keep humidity high to ensure cuttings are kept moist. After 14 days of misting, cut misting time in half. Shade may be required to protect leaves. Use fertilizer once roots develop.
	<b>Petunia</b> <i>Petunia cultivars</i>	<b>Headliner™, Starlet™, SweetSunshine™</b>	25 mm	no	7 to 9	yes	4	no	Avoid stretch; apply preventive fungicide spray after sticking.  For detailed culture on the Sky Petunias visit <a href="http://SelectaNorthAmerica.com/SkyPetuniaCulture">SelectaNorthAmerica.com/SkyPetuniaCulture</a>

(PGR) = Plant Growth Regulators  
(S) = Spray  
(D) = Drench

All recommendations are made to the best of our knowledge. We cannot accept any responsibility for the correctness of this information in unique situations. Please pay attention to product labels and test chemicals or new treatments first before applying large scale.

<sup>1</sup>PGR applications during rooting: Sprays only. Cover the plants and avoid run-off as much as possible. For vigorous products, first application should be done about 7-10 days after sticking, second when needed. Please test before use.


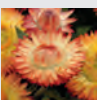
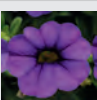
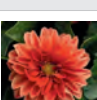
	Crop	Series/Variety	Recommended Cell Size (in millimeters)	Rooting Hormone (IBA + NAA mix)	Average Days with Mist	Early PGR Treatment Recommended (after 7-10 days) <sup>1</sup>	Average Propagation Weeks	Pinch in Propagation	Comments
	<b>Petunia</b> <i>Petunia cultivars</i>	<b>Main Stage™</b>	30 mm	no	7 to 9	yes	4	optional	For detailed culture on the Sky Petunias visit <a href="http://SelectaNorthAmerica.com/SkyPetuniaCulture">SelectaNorthAmerica.com/SkyPetuniaCulture</a>
	<b>Phlox</b> <i>Phlox cultivars</i>	<b>Gisele®</b>	25 mm	no	12	no	4 to 5	no	Avoid over-misting and misting after rooting.
	<b>Portulaca</b> <i>Portulaca oleracea</i>	<b>PortoGrande™</b>	25 mm	no	7 to 9	no	3 to 4	optional	Avoid overwatering of young plants.
	<b>Salvia</b> <i>Salvia cultivars</i>	<b>Skyscraper™</b>	25 mm	optional	14	yes	4	yes	Use B-Nine 2,500 PPM spray.
	<b>Sanvitalia</b> <i>Sanvitalia procumbens</i>	<b>Tsavo™</b>	25 mm	no	7 to 9	yes	4	optional	Keep cuttings hydrated; avoid overwatering of young plants.
	<b>Scaevola</b> <i>Scaevola aemula</i>	<b>Fairy™</b>	25 mm	recommended	9 to 12	yes	5 to 6	optional	Keep cuttings hydrated.
	<b>Sedum</b> <i>Sedum mexicanum</i>	<b>Gold Mound</b>	25/35 mm	no	12 to 18	no	5 to 6	no	
	<b>Trixi®</b>	<b>Trixi recipes</b>	N/A	N/A	N/A	N/A	N/A	TrixiLiners ship pinched	TrixiLiner is pinched, treated with PGR, and well-toned for best results.
	<b>Verbena</b> <i>Verbena cultivars</i>	<b>Beats™</b>	25 mm	optional	7 to 9	no	2 to 3	optional	Avoid overwatering after root formation.
	<b>Verbena</b> <i>Verbena cultivars</i>	<b>BeBop™, Blues™, Lascar™</b>	25 mm	optional	7 to 9	yes	3 to 4	optional	Avoid stretch; reduce and stop misting as soon as possible.

(PGR) = Plant Growth Regulators  
(S) = Spray  
(D) = Drench

All recommendations are made to the best of our knowledge. We cannot accept any responsibility for the correctness of this information in unique situations. Please pay attention to product labels and test chemicals or new treatments first before applying large scale.

<sup>1</sup>PGR applications during rooting: Sprays only. Cover the plants and avoid run-off as much as possible. For vigorous products, first application should be done about 7-10 days after sticking, second when needed. Please test before use.

# Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH <sup>2</sup>	Fertilizer Needs <sup>3</sup>	Watering <sup>4</sup>	Temperature Needs Day / Night <sup>5</sup>	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	<b>Bacopa</b> <i>Sutera grandiflora</i>	<b>Big Falls™</b>	5.4-5.8	200-250 PPM N/EC 1.8-2.0	grow on the dry side	65-75°F/50-60°F 18-24°C/10-16°C	yes	4,000 to 5,000
	<b>Begonia</b> <i>Begonia boliviensis</i>	<b>Compact Double Apricot, Mistral®</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0 - Keep N up	grow on the dry side	68-78°F/62-65°F 20-26°C/17-18°C	yes; pinch to node #3 but before developing node #5	5,000 to 6,000
	<b>Begonia</b> <i>Begonia cultivars</i>	<b>Compact Marshmallow</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0 - Keep N up	grow on the dry side	68-78°F/62-65°F 20-26°C/17-18°C	yes; pinch to node #3 but before developing node #5	5,000 to 6,000
	<b>Bidens</b> <i>Bidens ferulifolia</i>	<b>Namid™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	65-75°F/50-60°F 18-24°C/10-16°C	yes	5,000 to 6,000
	<b>Bracteantha</b> <i>Bracteantha bracteata</i>	<b>Mohave™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	keep constantly moist	65-75°F/50-60°F 18-24°C/10-16°C	for larger pots only	5,000 to 6,000
	<b>Calceolaria</b> <i>Calceolaria hybrida</i>	<b>Calynopsis™</b>	5.8	200-250 PPM N	grow on the dry side	55-76°F/40-52°F 13-24°C/4-11°C	no	4,000 to 6,000
	<b>Calibrachoa</b> <i>Calibrachoa cultivars</i>	<b>MiniFamous® Neo</b>	5.4-5.8	200-250 PPM N/EC 2.0-2.4	keep evenly moist	70-75°F/55-60°F 21-24°C/13-16°C	recommended	5,000 to 6,000
	<b>Calibrachoa</b> <i>Calibrachoa hybrida</i>	<b>MiniFamous® Uno</b>	5.5-6.2	200-250 PPM N/EC 2.0-2.4	keep evenly moist	65-80°F/55-65°F 18-27°C/13-18°C	optional	4,000 to 7,000
	<b>Convolvulus</b> <i>Convolvulus sabatius</i>	<b>Early Blue, Prime White</b>	5.8-6.2	225-300 PPM N	keep evenly moist	70-75°F/55-60°F 21-24°C/13-16°C	recommended	5,000 to 6,000
	<b>Cuphea</b> <i>Cuphea hyssopifolia</i>	<b>Pink, Purple, White</b>	5.5-6.4	modest 150-200 PPM N constant feed	moderate	68-90°F/60-80°F 20-32°C/16-27°C	optional	5,000 to 7,000
	<b>Dahlia</b> <i>Dahlia hybrida</i>	<b>City Lights™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	high	65-77°F/55-65°F 18-25°C/13-18°C	yes	4,000 to 7,000
	<b>Dahlia</b> <i>Dahlia pinnata</i>	<b>Dahlietta®</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.2	keep evenly moist	65-76°F/59-64°F 18-24°C/15-18°C	recommended	4,000 to 6,000
	<b>Dahlia</b> <i>Dahlia pinnata</i>	<b>Dahlita™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	keep evenly moist	65-76°F/59-64°F 18-24°C/15-18°C	optional	4,000 to 6,000

<sup>2</sup> **Media pH:** Best results are achieved if media with the correct pH is used starting with propagation.

<sup>3</sup> **Fertilizer needs:** Start with low concentrations after roots show and increase with plant development to the recommended levels.

<sup>4</sup> **Watering:** In general, avoid drying out or overwatering the substrate as this will affect plant quality and finishing time. Root system will suffer when conditions change from one extreme to the other. "Growing on the dry side" means letting the substrate become dry (substrate color turns light brown and substrate starts to separate from the pot edge) before watering. "Keep constantly moist" means watering the plants just before substrate becomes dry. Water management in rooting and finishing is half the success and the best way to prevent root-bound diseases, improve performance and control plant quality.



				CROP TIME FROM ROOTED CUTTING/PLANTS PER POT (PPP)		
Plant Growth Regulators (PGR) (S) = Spray / (D) = Drench	Pests and Fungal Diseases	Comments	4 to 5-inch (10 to 13-cm) Pots, Quarts	6-inch (15-cm) Pots, Gallons	10 to 12-inch (25 to 30-cm) Tubs or Baskets	
B-Nine 750-1,500 PPM (S), Sumagic 5-10 PPM (S)/ Sumagic 0.25 PPM (D)	Thrips, Aphids, Botrytis, Pythium	Cool temperatures and high light levels will improve plant quality. Pinch as needed for improved plant habit. Watch for Fe deficiency.	5 to 7 weeks, 1 ppp	7 to 9 weeks, 2 ppp	8 to 10 weeks, 4 to 5 ppp	
B-Nine 2,500 PPM (S), 250-500 PPM Cycocel (S)	Aphids, Botrytis, Pythium	Start late Spring when day length increases and temperatures rise. Let media dry out between watering. Avoid stretch. To avoid dormancy, tuberous Begonias require a minimum day length of 14 hrs. and a minimum temperature of 55°F/13°C.	7 to 8 weeks, 1 ppp	9 to 10 weeks, 1 ppp	9 to 12 weeks, 4 ppp	
B-Nine 2,500 PPM (S), 250-500 PPM Cycocel (S)	Aphids, Botrytis, Pythium	Start late Spring when day length increases and temperatures rise. Let media dry out between watering. Avoid stretch. To avoid dormancy, tuberous Begonias require a minimum day length of 14 hrs. and a minimum temperature of 55°F/13°C.	7 to 8 weeks, 1 ppp	9 to 10 weeks, 1 ppp	9 to 12 weeks, 4 ppp	
B-Nine 2,500 PPM (S), Sumagic 3-5 PPM (S)/ Sumagic 0.25 PPM (D)	Thrips, Aphids, Spider Mites, Botrytis, Pythium	Pinch as needed for improved plant habit. Let media dry out between watering.	5 to 7 weeks, 1 ppp	6 to 8 weeks, 1 to 2 ppp	6 to 9 weeks, 4 to 5 ppp	
Sumagic 5-10 PPM (S), Bonzi 10-20 PPM (S)	Aphids, White Fly, Pythium	Cool temperatures and high light levels will improve plant quality.	6 to 7 weeks, 1 ppp	7 to 8 weeks, 2 ppp	8 to 10 weeks, 4 ppp (Mohave™ Basket Yellow)	
none	Spider Mites	Provide cool temperatures and short days during bulking period. Provide long days (night interrupt) and cool to moderate temperatures for flower induction.	8 to 10 weeks, 1 ppp	10 to 12 weeks, 1 ppp	13 to 15 weeks, 3 ppp	
B-Nine 2,500-3,500 PPM (S), Sumagic 10-20 PPM (S)/Sumagic 0.25 PPM (D), Bonzi 1-2 PPM (D)	Powdery Mildew, Pythium, Thielaviopsis, TMV, Aphids, Fungus Gnats, Thrips	Start Calibrachoa warm. After side shoots have developed, cool temperatures and high light levels will improve plant quality. Watch for Fe deficiency.	7 to 8 weeks, 1 ppp	7 to 11 weeks, 1 to 2 ppp	9 to 12 weeks, 4 to 5 ppp	
B-Nine 1,500 PPM (S), Bonzi 1 PPM (D)	Thielaviopsis, Powdery Mildew, Aphids, Mites		5 to 7 weeks, 1 ppp	7 to 9 weeks, 1 ppp	10 to 14 weeks, 3 to 4 ppp	
B-Nine 2,500-3,500 PPM (S), Sumagic 10-20 PPM (S)/Sumagic 0.25 PPM (D), Bonzi 1-2 PPM (D)	Aphids, Mites, Thrips	Can be grown dryer to promote higher flower count.	7 to 8 weeks, 1 ppp	9 to 10 weeks, 2 ppp	9 to 12 weeks, 4 ppp	
none	Aphids, Mites, Thrips, Botrytis		5 to 6 weeks, 1 ppp	6 to 8 weeks, 1 to 3 ppp	10 to 12 weeks, 3 to 5 ppp	
B-Nine 2,500 PPM (S), B-Nine 1,000 PPM (S)/ Cycocel 500 PPM (S) tank mix, Bonzi 2 to 4 PPM (D)	Pythium, Botrytis, Aphids, Thrips, Spider Mites, Mites, Root Rot, Powdery Mildew		5 to 7 weeks, 1 ppp	7 to 9 weeks, 1 ppp	10 to 14 weeks, 3 to 4 ppp	
B-Nine 2,500-4,000 PPM (S), Cycocel 1,000-1,500 PPM tank mix (S)	Phytophthora, Powdery Mildew, Botrytis, Pythium, Aphids, Leafminer, Spider Mites, Thrips	Night-break lighting will reduce likelihood of tuber formation.	6 to 8 weeks, 1 ppp	7 to 9 weeks, 1 to 2 ppp		
Typically not needed. If necessary, B-Nine 1,000 PPM/ Cycocel 500 PPM works well.	Aphids, Fungus Gnats, Leafminer, Spider Mites, Thrips, Phytophthora, Powdery Mildew, Botrytis, Pythium	Avoid cold conditions and dry down during short days to avoid tuber formation.	6 to 8 weeks, 1 ppp	7 to 9 weeks, 1 to 2 ppp		

<sup>5</sup> **Temperature needs day/night:** During rooting, keep soil temperature measured in the liner at 70°F/21°C until cuttings are well-rooted. After planting the liner, keep temperature up until roots have developed nicely. Afterward, follow recommendations. The use of "Cool Morning" treatments will improve plant quality, flower and foliage color, and plant habit, and harden the plants. Lower the temperature by 8-12°F/4-6°C 2 hours before sunrise until 2-3 hours after sunrise. Start treatments after plants are rooted in, well-branched and cover the media (reach the pot edges). To avoid delayed flowering, keep the average day temperature under a close watch and if necessary, increase night temperatures. Finishing of the crop depends on the average day temperature, and positive or negative DIF methods as well as "Cool Morning" can be used to improve plant quality.

# Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH <sup>2</sup>	Fertilizer Needs <sup>3</sup>	Watering <sup>4</sup>	Temperature Needs Day / Night <sup>5</sup>	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	<b>Dahlia</b> <i>Dahlia hybrida</i>	<b>Dalaya*</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.2	maintain even moisture and consistent fertility for best uniformity	65-68°F/55-65°F 18-26°C/13-18°C	yes	5,000 to 7,000
	<b>Dahlia</b> <i>Dahlia pinnata</i>	<b>Venti™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.2	keep constantly moist	70-75°F/55-60°F 21-24°C/13-16°C	optional	4,000 to 7,000
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Carmen™</b>	6.2-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus caryophyllus</i>	<b>DiaDeur™</b>	5.8-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Dianthalot™</b>	6.2-6.5	100-150 PPM N	keep hydrated	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Early Love*</b>	6.2-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus interspecific</i>	<b>EverLast™</b>	6.2-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus caryophyllus</i>	<b>I Love U</b>	5.8-6.5	100-150 PPM N/ EC 1.4-1.8	avoid hard dry down	55-68°F/45-55°F 13-20°C/7-13°C	optional	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus caryophyllus</i>	<b>Oscar*</b>	6.2-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Palm Peach</b>	6.2-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Pink Kisses*</b>	6.2-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	optional based on liner	5,000 to 6,000
	<b>Dianthus</b> <i>Dianthus cultivars</i>	<b>Purple Wedding™</b>	6.2-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000

<sup>2</sup> **Media pH:** Best results are achieved if media with the correct pH is used starting with propagation.




<sup>3</sup> **Fertilizer needs:** Start with low concentrations after roots show and increase with plant development to the recommended levels.

<sup>4</sup> **Watering:** In general, avoid drying out or overwatering the substrate as this will affect plant quality and finishing time. Root system will suffer when conditions change from one extreme to the other. "Growing on the dry side" means letting the substrate become dry (substrate color turns light brown and substrate starts to separate from the pot edge) before watering. "Keep constantly moist" means watering the plants just before substrate becomes dry. Water management in rooting and finishing is half the success and the best way to prevent root-bound diseases, improve performance and control plant quality.

				CROP TIME FROM ROOTED CUTTING/PLANTS PER POT (PPP)		
Plant Growth Regulators (PGR) (S) = Spray / (D) = Drench	Pests and Fungal Diseases	Comments	4 to 5-inch (10 to 13-cm) Pots, Quarts	6-inch (15-cm) Pots, Gallons	10 to 12-inch (25 to 30-cm) Tubs or Baskets	
B-Nine 1,500-2,500 PPM (S), B-Nine 1,500 PPM (S)/Cycocel 750 PPM (S) tank mix, Bonzi 2-4 PPM (D)	Thrips, Leafminers, Aphids, Botrytis	Night-break or extended day lighting during early Spring (natural short days) will help prevent tuber formation.	6 to 8 weeks, 1 ppp	7 to 9 weeks, 1 ppp	10 to 12 weeks, 3 to 4 ppp	
B-Nine 1,500 PPM/Cycocel 500 PPM (S), Paclbutrazol 1-2 PPM (D), Sumagic 0.5-1 PPM (D)	Phytophthora, Powdery Mildew, Botrytis, Pythium, Aphids, Leafminer, Spider Mites, Thrips	Manage humidity and avoid irrigation over blooms to prevent botrytis and powdery mildew.	5 to 7 weeks, 1 ppp	7 to 9 weeks, 1 ppp	10 to 14 weeks, 3 to 4 ppp	
B-Nine 2,500 PPM (S), Bonzi 2 PPM (S)	Spider Mites, Fusarium	Remove early flower buds to promote branching. Cool temperatures and high light levels are ideal.	12 to 14 weeks (varies seasonally), 1 ppp	14 to 16 weeks (varies seasonally), 1 to 2 ppp	18 to 20 weeks (varies seasonally), 3 to 5 ppp	
B-Nine 2,500 PPM (S), Cycocel 500-750 PPM (S), Bonzi 2-5 PPM are all effective PGRs if needed.	Spider Mites, Fusarium	Pinch when bud is visible and side shoots start to develop. Cool temperatures and high light levels will improve plant quality.	14 to 20 weeks (varies seasonally), 1 ppp	16 to 22 weeks (varies seasonally), 2 ppp	16 to 22 weeks (varies seasonally), 4 to 5 ppp	
B-Nine 2,500 PPM (S), Bonzi 2-5 PPM (S); PGRs are optional.	Spider Mites, Rust, Fusarium	Pinch when bud is visible and side shoots start to develop. Cool temperatures and high light levels will improve plant quality.	10 to 18 weeks (varies seasonally), 1 ppp	12 to 20 weeks (varies seasonally), 2 ppp	12 to 20 weeks (varies seasonally), 4 to 5 ppp	
Bonzi 1-2 PPM (S)	Spider Mites, Fusarium	Remove early flower buds to promote branching. Cool temperatures and high light levels are ideal.	10 to 12 weeks (varies seasonally), 1 ppp	12 to 14 weeks (varies seasonally), 1 to 2 ppp	12 to 14 weeks (varies seasonally), 3 to 5 ppp	
B-Nine 2,500 PPM (S), Bonzi 2-5 PPM (S); PGRs are optional.	Spider Mites, Rust, Fusarium	Pinch when bud is visible and side shoots start to develop. Cool temperatures and high light levels will improve plant quality.	14 to 20 weeks (varies seasonally), 1 ppp	16 to 22 weeks (varies seasonally), 2 ppp	16 to 22 weeks (varies seasonally), 4 to 5 ppp	
Very little should be needed. Bonzi 1-2 PPM (S) if necessary.	Spider Mites, Fusarium		12 to 14 weeks (varies seasonally), 1 ppp	14 to 16 weeks (varies seasonally), 3 ppp	14 to 16 weeks (varies seasonally), 3 to 5 ppp	
B-Nine 2,500 PPM (S), Bonzi 2-5 PPM (S); PGRs are optional.	Spider Mites, Rust, Fusarium	Pinch when bud is visible and side shoots start to develop. Cool temperatures and high light levels will improve plant quality.	14 to 20 weeks (varies seasonally), 1 ppp	16 to 22 weeks (varies seasonally), 2 ppp	16 to 22 weeks (varies seasonally), 4 to 5 ppp	
Bonzi 1-2 PPM (S) only if needed	Spider Mites, Fusarium		12 to 14 weeks (varies seasonally), 1 ppp	14 to 16 weeks (varies seasonally), 1 to 2 ppp	14 to 16 weeks (varies seasonally), 3 to 5 ppp	
B-Nine 2,500 PPM (S), Bonzi 2-5 PPM (S); PGRs are optional.	Spider Mites, Rust, Fusarium	Leave early flowers on plant. Blooms last a long time.	14 to 20 weeks (varies seasonally), 1 ppp	16 to 22 weeks (varies seasonally), 2 ppp		
Bonzi 2-4 PPM (S) if needed	Spider Mites, Fusarium	Pinch when bud is visible and side shoots start to develop. Cool temperatures and high light levels will improve plant quality.	12 to 14 weeks (varies seasonally), 1 ppp	14 to 16 weeks (varies seasonally), 1 to 2 ppp	14 to 16 weeks (varies seasonally), 3 to 5 ppp	

<sup>5</sup> **Temperature needs day/night:** During rooting, keep soil temperature measured in the liner at 70°F/21°C until cuttings are well-rooted. After planting the liner, keep temperature up until roots have developed nicely. Afterward, follow recommendations. The use of "Cool Morning" treatments will improve plant quality, flower and foliage color, and plant habit, and harden the plants. Lower the temperature by 8-12°F/4-6°C 2 hours before sunrise until 2-3 hours after sunrise. Start treatments after plants are rooted in, well-branched and cover the media (reach the pot edges). To avoid delayed flowering, keep the average day temperature under a close watch and if necessary, increase night temperatures. Finishing of the crop depends on the average day temperature, and positive or negative DIF methods as well as "Cool Morning" can be used to improve plant quality.

# Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES			
			Media pH <sup>2</sup>	Fertilizer Needs <sup>3</sup>	Watering <sup>4</sup>	Temperature Needs Day / Night <sup>5</sup>	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles	
	<b>Dianthus</b> <i>Dianthus caryophyllus</i>	<b>Scully</b>	6.2-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	55-68°F/45-55°F 13-20°C/7-13°C	yes	5,000 to 6,000	
	<b>Dianthus</b> <i>Dianthus caryophyllus</i>	<b>SuperTrouper™</b>	5.8-6.5	100-150 PPM N/ EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	yes	5,000 to 6,000	
	<b>Diascia</b> <i>Diascia cultivars</i>	<b>Piccadilly™</b>	5.8-6.2	200-250 PPM N/ EC 1.8-2.0	grow on the dry side	65-75°F/35-52°F 18-24°C/2-11°C	yes	5,000 to 6,000	
	<b>Euphorbia</b> <i>Euphorbia hypericifolia</i>	<b>Loreen™</b>	5.8-6.2	175-225 PPM N/ EC 1.8-2.0	sensitive to overwatering	65-76°F/59-67°F 18-24°C/15-19°C	yes	6,000 to 9,000	
	<b>Fuchsia</b> <i>Fuchsia cultivars</i>	<b>Bellinto™</b>	5.8-6.2	175-225 PPM N/ EC 1.8-2.0	keep evenly moist	65-70°F/50-55°F 18-21°C/10-13°C	recommended	5,000 to 6,000	
	<b>Gaura</b> <i>Gaura lindheimeri</i>	<b>Belleza®</b>	5.8-6.2	200-250 PPM N/ EC 1.8-2.0	keep constantly moist	65-75°F/50-60°F 18-24°C/10-16°C	yes	5,000 to 6,000	
	<b>Geranium (Interspecific)</b> <i>Pelargonium cultivars</i>	<b>Marcada™</b>	5.4-5.9	200-250 PPM N/ EC 1.8-2.0	moderate	55-80°F/50-68°F 13-27°C/10-20°C	optional	6,000+	
	<b>Geranium (Ivy)</b> <i>Pelargonium peltatum</i>	<b>Balcon, Decora, Royal™</b>	5.4-5.8	200-250 PPM N/ EC 1.8-2.0	grow on the dry side	65-75°F/60-65°F 18-24°C/16-18°C	recommended	3,000 to 5,000	
	<b>Geranium (Ivy)</b> <i>Pelargonium peltatum</i>	<b>Glacier White</b>	5.4-5.9	200-250 PPM N/ EC 1.8-2.0	moderate	55-80°F/50-65°F 13-27°C/10-18°C	yes	4,000 to 6,000	
	<b>Geranium (Zonal)</b> <i>Pelargonium x hortorum</i>	<b>Moonlight™, Sunrise™</b>	5.8-6.2	200-250 PPM N/ EC 1.8-2.0	grow on the dry side	65-75°F/60-65°F 18-24°C/16-18°C	no	3,000 to 5,000	
	<b>Geranium (Zonal)</b> <i>Pelargonium x hortorum</i>	<b>Super Moon Red</b>	5.8-6.2	200-250 PPM N/ EC 1.8-2.0	grow on the dry side	65-77°F/55-65°F 18-25°C/13-18°C	optional	4,000 to 7,000	
	<b>Glechoma</b> <i>Glechoma hederacea</i>	<b>Variegata</b>	5.4-6.5	moderate 150 PPM N	moderate	40-70°F/60-90°F 4-21°C/16-32°C	optional	2,500 to 7,000	
	<b>Helichrysum</b> <i>Helichrysum italicum</i>	<b>Silver</b>	5.8-6.2	moderate	moderate	60-70°F/45-55°F 16-21°C/7-13°C	no	4,000 to 7,000	

<sup>2</sup> **Media pH:** Best results are achieved if media with the correct pH is used starting with propagation.




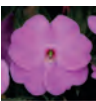
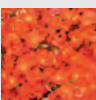
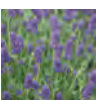



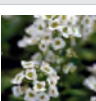
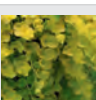
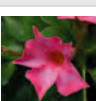

<sup>3</sup> **Fertilizer needs:** Start with low concentrations after roots show and increase with plant development to the recommended levels.

<sup>4</sup> **Watering:** In general, avoid drying out or overwatering the substrate as this will affect plant quality and finishing time. Root system will suffer when conditions change from one extreme to the other. "Growing on the dry side" means letting the substrate become dry (substrate color turns light brown and substrate starts to separate from the pot edge) before watering. "Keep constantly moist" means watering the plants just before substrate becomes dry. Water management in rooting and finishing is half the success and the best way to prevent root-bound diseases, improve performance and control plant quality.

				CROP TIME FROM ROOTED CUTTING/PLANTS PER POT (PPP)		
Plant Growth Regulators (PGR) (S) = Spray / (D) = Drench	Pests and Fungal Diseases	Comments	4 to 5-inch (10 to 13-cm) Pots, Quarts	6-inch (15-cm) Pots, Gallons	10 to 12-inch (25 to 30-cm) Tubs or Baskets	
Bonzi 1-2 PPM (S)	Aphids, Fusarium	Leave early flowers on plant. Blooms last a long time.	12 to 20 weeks (varies seasonally), 1 ppp	14 to 20 weeks (varies seasonally), 1 to 2 ppp		
B-Nine 2,500 PPM (S), Bonzi 2-5 PPM (S); PGRs are optional.	Spider Mites, Rust, Fusarium	Pinch when bud is visible and side shoots start to develop. Cool temperatures and high light levels will improve plant quality.	14 to 20 weeks (varies seasonally), 1 ppp	16 to 22 weeks (varies seasonally), 2 ppp	16 to 22 weeks (varies seasonally), 4 to 5 ppp	
B-Nine 2,500 PPM (S), Sumagic 3-5 PPM (S)/ Sumagic 0.25 PPM (D)	Aphids, Pythium	Cool temperatures and high light levels will improve plant quality.	5 to 7 weeks, 1 ppp	7 to 9 weeks, 1 to 2 ppp	8 to 10 weeks, 4 to 5 ppp	
B-Nine (S) 2,500 PPM, Cycocel (S) 750 PPM tank mix 7-10 days after transplant. Do not use Florel.	White Fly, Aphids, Thrips, Botrytis, Pythium	Pinch for a better habit, especially in larger containers.	5 to 7 weeks, 1 ppp	6 to 9 weeks, 1 to 3 ppp	9 to 11 weeks, 3 to 5 ppp	
B-Nine 2,500 PPM (S)	Aphids, Thrips, Botrytis, Pythium, Rust	Pinch early for a better habit, especially in larger containers.	5 to 7 weeks, 1 ppp	7 to 9 weeks, 1 to 2 ppp	8 to 10 weeks, 4 to 5 ppp	
B-Nine 2,500 PPM (S), Sumagic 15-20 PPM (S)/ Bonzi 30-40 PPM (S)	White Fly, Aphids, Root Rot, Botrytis	Avoid stretch; pinch early for better plant development.	7 to 9 weeks, 1 ppp	9 to 12 weeks, 1 to 2 ppp	10 to 13 weeks, 3 to 4 ppp	
Cycocel (S) at 500- 1,000 PPM, use a light spray to glisten.	Aphids, Spider Mites, Thrips, Botrytis, Pythium		6 to 7 weeks, 1 ppp	7 to 8 weeks, 1 ppp	10 to 12 weeks, 3 ppp	
Cycocel 750-1,000 PPM + B-Nine 1,500-2,500 PPM tank mix (S), Bonzi 2-5 PPM (S)/ Cycocel 750-1,500 PPM (D)	Thrips, Fungus Gnats, Spider Mites, Rust, Botrytis, Pythium	Maintain temperature and grow the crop on the dry side, but avoid drying out, as this will slow growth (plants will push flowers). Provide excellent air circulation.	8 to 10 weeks, 1 ppp	10 to 12 weeks, 1 ppp	10 to 14 weeks, 3 to 4 ppp	
Use Cycocel (S) at a rate of 500-1,000 PPM as needed.		Water in mornings only to prevent oedema.	6 to 8 weeks, 1 ppp	8 to 10 weeks, 1 ppp	12 to 16 weeks, 3 ppp	
Cycocel 750-1,000 PPM + B-Nine 1,500-2,500 PPM tank mix (S), Sumagic 1-3 PPM (S), Bonzi 2-5 PPM (S)	Thrips, Fungus Gnats, Spider Mites, White Fly, Rust, Botrytis, Pythium	Maintain temperature and grow the crop on the dry side, but avoid drying out, as this will slow growth (plants will push flowers). Provide excellent air circulation.	8 to 12 weeks, 1 ppp	12 to 14 weeks, 1 ppp	12 to 14 weeks, 3 to 4 ppp	
Cycocel 700-1,500 PPM (S)	Botrytis, Pythium, Ralstonia, Xanthomonas, Mites, Worms/Caterpillars		7 to 10 weeks, 1 ppp	8 to 12 weeks, 1 ppp	10 to 14 weeks, 1 to 3 ppp	
		An easy-to-root vine that can grow aggressively if fed and watered well.	5 to 6 weeks, 1 ppp	6 to 8 weeks, 3 ppp	10 to 12 weeks, 4 ppp	
B-Nine 1,500 PPM (S)	Caterpillars, Aphids, Pythium	Keep moderate feed and water levels to maintain good growth and silver foliage.	8 to 12 weeks, 1 ppp	10 to 14 weeks (varies seasonally), 3 ppp	12 to 16 weeks (varies seasonally), 3 to 5 ppp	

<sup>5</sup> **Temperature needs day/night:** During rooting, keep soil temperature measured in the liner at 70°F/21°C until cuttings are well-rooted. After planting the liner, keep temperature up until roots have developed nicely. Afterward, follow recommendations. The use of "Cool Morning" treatments will improve plant quality, flower and foliage color, and plant habit, and harden the plants. Lower the temperature by 8-12°F/4-6°C 2 hours before sunrise until 2-3 hours after sunrise. Start treatments after plants are rooted in, well-branched and cover the media (reach the pot edges). To avoid delayed flowering, keep the average day temperature under a close watch and if necessary, increase night temperatures. Finishing of the crop depends on the average day temperature, and positive or negative DIF methods as well as "Cool Morning" can be used to improve plant quality.

# Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH <sup>2</sup>	Fertilizer Needs <sup>3</sup>	Watering <sup>4</sup>	Temperature Needs Day / Night <sup>5</sup>	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	<b>Heliotrope</b> <i>Heliotropium arborescens</i>	<b>Marino™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	keep constantly moist	70-75°F/55-60°F 21-24°C/13-16°C	no	5,000 to 9,000
	<b>Impatiens (Interspecific)</b> <i>Impatiens hawkeri</i>	<b>Bounce™</b>	6.2-6.5	100-150 PPM N/EC 1.4-1.8	grow on the dry side	68-79°F/55-64°F 20-26°C/13-18°C	no	4,000 to 9,000
	<b>Impatiens (New Guinea)</b> <i>Impatiens hawkeri</i>	<b>ColorPower™</b>	5.8-6.2	100-150 PPM N/EC 1.4-1.8	keep constantly moist	70-78°F/65-68°F 21-26°C/18-20°C	recommended for larger containers	3,000 to 5,000
	<b>Impatiens (New Guinea)</b> <i>Impatiens hawkeri</i>	<b>ImPower™</b>	5.8-6.2	100-150 PPM N/EC 1.4-1.8	keep constantly moist	70-78°F/65-68°F 21-26°C/18-20°C	no	3,000 to 5,000
	<b>Kalanchoe</b> <i>Kalanchoe blossfeldiana</i>	<b>Mandala™</b>	5.5-6.2	100-150 PPM N balanced feed media EC 0.6-1.2	maintain moderate moisture	68-75°F/62-68°F 20-24°C/17-20°C	optional	5,000 to 6,000
	<b>Lavandula</b> <i>Lavandula angustifolia</i>	<b>Sweet Dreams™</b>	5.8-6.2	100-150 PPM N constant feed	moderate	50-90°F/38-68°F 15-32°C/3-20°C	yes	5,000 to 7,000
	<b>Lavender</b> <i>Lavandula stoechas</i>	<b>LaVela™</b>	5.8-6.2	150-200 PPM N	grow on the dry side	60-75°F/38-60°F 15-23°C/3-15°C	yes	5,000 to 9,000
	<b>Lobelia</b> <i>Lobelia cultivars</i>	<b>Magadi™ Basket</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	65-77°F/50-65°F 18-25°C/10-18°C	yes	3,000 to 6,000
	<b>Lobelia</b> <i>Lobelia cultivars</i>	<b>Magadi™, Magadi™ Compact</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	70-75°F/55-60°F 21-24°C/13-16°C	yes	5,000 to 6,000
	<b>Lobularia</b> <i>Lobularia maritima</i>	<b>Featherlight</b>	5.8-6.2	150-200 PPM N constant feed	moderate	60-85°F/50-65°F 16-29°C/15-18°C	no	5,000 to 7,000
	<b>Lysimachia</b> <i>Lysimachia nummularia</i>	<b>Goldilocks</b>	5.5-6.2	200 PPM N	moderate	50-85°F/36-70°F 10-29°C/2-21°C	optional	1,500 to 6,000
	<b>Mandevilla</b> <i>Mandevilla sanderi</i>	<b>Magnetica™</b>	5.6-6.2	150-200 PPM N constant balanced feed	moderate	75-95°F/60-75°F 24-35°C/16-24°C	no	5,000 to 7,000
	<b>Muehlenbeckia</b> <i>Muehlenbeckia complexa</i>	<b>Muehlenbeckia</b>	5.8-6.5	100-150 PPM N/EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	optional	5,000 to 6,000

<sup>2</sup> **Media pH:** Best results are achieved if media with the correct pH is used starting with propagation.






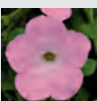
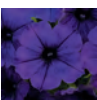


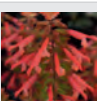

<sup>3</sup> **Fertilizer needs:** Start with low concentrations after roots show and increase with plant development to the recommended levels.

<sup>4</sup> **Watering:** In general, avoid drying out or overwatering the substrate as this will affect plant quality and finishing time. Root system will suffer when conditions change from one extreme to the other. "Growing on the dry side" means letting the substrate become dry (substrate color turns light brown and substrate starts to separate from the pot edge) before watering. "Keep constantly moist" means watering the plants just before substrate becomes dry. Water management in rooting and finishing is half the success and the best way to prevent root-bound diseases, improve performance and control plant quality.

				CROP TIME FROM ROOTED CUTTING/PLANTS PER POT (PPP)		
Plant Growth Regulators (PGR) (S) = Spray / (D) = Drench	Pests and Fungal Diseases	Comments	4 to 5-inch (10 to 13-cm) Pots, Quarts	6-inch (15-cm) Pots, Gallons	10 to 12-inch (25 to 30-cm) Tubs or Baskets	
B-Nine 2,500 PPM (S), Cycocel 1,000 PPM + B-Nine 2,500 PPM tank mix (S)	White Fly, Spider Mites, Botrytis, Pythium	Start warm. After side shoots have developed, cool temperatures and high light levels will improve plant quality.	5 to 7 weeks, 1 ppp	7 to 9 weeks, 1 to 2 ppp	8 to 10 weeks, 3 to 5 ppp	
B-Nine 1,500 PPM (S)	Thrips, Aphids, Mites, INSV, Botrytis, Pythium	Don't overwater or overfeed. Keep pH above 6 to avoid iron/manganese toxicity.	6 to 8 weeks, 1 ppp	8 to 10 weeks, 1 ppp	10 to 13 weeks, 3 to 4 ppp	
Bonzi 2-5 PPM (S)	Thrips, Aphids, Spider Mites, Botrytis, Pythium	Maintain temperature. For flower development, grow the crop on the dry side, but avoid drying out, as this will reduce flower performance. Avoid high salt levels.	6 to 7 weeks, 1 ppp	8 to 9 weeks, 1 to 2 ppp	9 to 12 weeks, 4 to 5 ppp	
none	Aphids, Spider Mites, Thrips, Pythium, Botrytis		4 to 6 weeks, 1 ppp	6 to 8 weeks, 1 to 2 ppp	8 to 12 weeks, 4 to 5 ppp	
B-Nine 2,500 PPM (S), B-Nine 1,500 PPM/ Cycocel 500 PPM (S)	Aphids, Mealybugs, Powdery Mildew, Phytophthora, Pythium	PGRs are necessary to strengthen the flower stems.	14 weeks, 1 ppp	16 weeks, 1 ppp	8-in. tabletop/ bowls/combos: 18 weeks, 3 ppp	
not recommended	Spider Mites, Fusarium		14 to 16 weeks, 1 ppp	16 to 20 weeks, 1 to 2 ppp		
none	Rosemary Beetle, Pythium, Rhizoctonia	Grow cool and on the dry side.	8 to 10 weeks, 1 ppp	10 to 12 weeks, 1 to 2 ppp	10 to 13 weeks, 3 to 4 ppp	
B-Nine 2,500 PPM (S), Bonzi 2 PPM (D)	Thrips, Aphids, Spider Mites, Botrytis, Pythium, Rhizoctonia					
B-Nine 1,500-2,500 PPM (S), Sumagic 3-5 PPM (S)/ Sumagic 0.25 PPM (D)	Thrips, Aphids, Spider Mites, Botrytis, Pythium	Pinch as needed for improved plant habit. Let media dry out between watering.	6 to 8 weeks, 1 ppp	8 to 10 weeks, 1 to 2 ppp	8 to 10 weeks, 4 to 5 ppp	
not recommended	Pythium, Spider Mites		5 to 6 weeks, 1 ppp	6 to 7 weeks, 1 ppp	10 to 12 weeks, 3 ppp	
none		Very easy to grow.	5 to 7 weeks, 1 ppp	6 to 9 weeks, 3 ppp		
not recommended	Spider Mites, Pythium		10 to 12 weeks, 1 ppp, staked	12 to 16 weeks, 2 to 3 ppp, trellised	14 to 18 weeks, 3 to 5 ppp, trellised	
none	Mites		8 to 10 weeks (varies seasonally), 1 ppp	10 to 12 weeks (varies seasonally), 1 to 3 ppp	12 to 14 weeks (varies seasonally), 3 to 5 ppp	

<sup>5</sup> **Temperature needs day/night:** During rooting, keep soil temperature measured in the liner at 70°F/21°C until cuttings are well-rooted. After planting the liner, keep temperature up until roots have developed nicely. Afterward, follow recommendations. The use of "Cool Morning" treatments will improve plant quality, flower and foliage color, and plant habit, and harden the plants. Lower the temperature by 8-12°F/4-6°C 2 hours before sunrise until 2-3 hours after sunrise. Start treatments after plants are rooted in, well-branched and cover the media (reach the pot edges). To avoid delayed flowering, keep the average day temperature under a close watch and if necessary, increase night temperatures. Finishing of the crop depends on the average day temperature, and positive or negative DIF methods as well as "Cool Morning" can be used to improve plant quality.

# Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH <sup>2</sup>	Fertilizer Needs <sup>3</sup>	Watering <sup>4</sup>	Temperature Needs Day / Night <sup>5</sup>	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	<b>Osteospermum</b> <i>Osteospermum hybrid</i>	<b>4D™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	dry regularly between waterings	59-76°F/35-55°F 15-24°C/2-13°C	recommended	5,000 to 9,000
	<b>Osteospermum</b> <i>Osteospermum ecklonis</i>	<b>Daisy Falls™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	dry regularly between waterings	50-75°F/40-60°F 15-24°C/4-16°C	optional	5,000 to 8,000
	<b>Osteospermum</b> <i>Osteospermum ecklonis</i>	<b>FlowerPower™ Compact, FlowerPower™ Spider, Zion™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	dry regularly between waterings	60-65°F/35-52°F 16-18°C/2-11°C	recommended	5,000 to 6,000
	<b>Pericallis</b> <i>Senecio x hybrida</i>	<b>Senetti®</b>	5.5-6.0	medium 260 PPM	light	70-75°F/50-55°F 21-24°C/10-13°C	yes	5,000 to 6,000
	<b>Petunia</b> <i>Petunia cultivars</i>	<b>Headliner™, SweetSunshine™</b>	5.4-5.8	250-300 PPM N/EC 2.0-2.4	keep constantly moist	65-75°F/50-60°F 18-24°C/10-16°C	recommended	5,000 to 6,000
	<b>Petunia</b> <i>Petunia cultivars</i>	<b>Main Stage™</b>	5.8-6.2	250-300 PPM N/EC 2.0-2.4	keep moist	65-75°F/50-60°F 18-24°C/15-16°C	yes	5,000 to 8,000
	<b>Petunia</b> <i>Petunia cultivars</i>	<b>Starlet™</b>	5.4-5.8	250-300 PPM N/EC 2.0-2.4	keep constantly moist	65-75°F/50-60°F 18-24°C/15-16°C	recommended	5,000 to 6,000
	<b>Phlox</b> <i>Phlox cultivars</i>	<b>Gisele®</b>	5.8-6.2	150-200 PPM N	avoid overwatering	65-80°F/50-65°F 18-27°C/15-18°C	recommended	3,000 to 9,000
	<b>Portulaca</b> <i>Portulaca oleracea</i>	<b>PortoGrande™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	65-75°F/60-65°F 18-24°C/16-18°C	yes	5,000 to 6,000
	<b>Salvia</b> <i>Salvia cultivars</i>	<b>Skyscraper™</b>	5.8-6.2	moderate	moderate	65-77°F/55-65°F 18-25°C/13-18°C	yes	4,000 to 7,000
	<b>Sanvitalia</b> <i>Sanvitalia procumbens</i>	<b>Tsavo™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	70-75°F/55-60°F 21-24°C/13-16°C	yes	4,000 to 5,000

<sup>2</sup> **Media pH:** Best results are achieved if media with the correct pH is used starting with propagation.

<sup>3</sup> **Fertilizer needs:** Start with low concentrations after roots show and increase with plant development to the recommended levels.





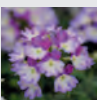


<sup>4</sup> **Watering:** In general, avoid drying out or overwatering the substrate as this will affect plant quality and finishing time. Root system will suffer when conditions change from one extreme to the other. "Growing on the dry side" means letting the substrate become dry (substrate color turns light brown and substrate starts to separate from the pot edge) before watering. "Keep constantly moist" means watering the plants just before substrate becomes dry. Water management in rooting and finishing is half the success and the best way to prevent root-bound diseases, improve performance and control plant quality.



				CROP TIME FROM ROOTED CUTTING/PLANTS PER POT (PPP)		
Plant Growth Regulators (PGR) (S) = Spray / (D) = Drench	Pests and Fungal Diseases	Comments	4 to 5-inch (10 to 13-cm) Pots, Quarts	6-inch (15-cm) Pots, Gallons	10 to 12-inch (25 to 30-cm) Tubs or Baskets	
Cycocel 750-1,500 PPM (S), Cycocel 750-1,500 PPM (D), Sumagic 5-10 PPM (S)/ Sumagic 0.5-1 PPM (D)	Thrips, White Fly, Aphids, Botrytis, Pythium, Rhizoctonia	It is recommended to NOT use B-Nine on 4D osteos, as it may have a negative effect on the expression of double flowers.	10 to 13 weeks, 1 ppp	11 to 14 weeks, 1 ppp	12 to 15 weeks, 3 ppp	
B-Nine/Cycocel (S), or low-level Bonzi 0.5-1 PPM (D)	Aphids, Thrips, Botrytis, Pythium		9 to 12 weeks, 1 ppp	10 to 13 weeks, 1 ppp	10 to 14 weeks, 3 ppp	
Cycocel 1,000 PPM + B-Nine 2,500 PPM tank mix (S), Sumagic 5-10 PPM (S)/ Cycocel 750-1,500 PPM (D), Sumagic 0.5-1 PPM (D), Bonzi 0.5-3 PPM (D)	Aphids, White Fly, Thrips, Botrytis, Pythium	Pinch after plants have rooted into the media and are well-developed, but avoid stretch. Cool temperatures and high light levels will improve plant quality.	9 to 12 weeks, 1 ppp	10 to 13 weeks, 1 ppp	10 to 14 weeks, 3 to 4 ppp	
B-Nine 2,000 PPM (S) every 14 days.	Aphids, Mites, White Fly, Thrips, Powdery Mildew, Thielaviopsis	Avoid overwatering, avoid frost; shade in last three weeks of finishing may cause stretch.	10 to 20 weeks, 1 ppp	10 to 20 weeks, 1 ppp	10 to 20 weeks, 1 ppp	
B-Nine 2,500 PPM (S), Sumagic 20-30 PPM (S)/ Sumagic 0.5 PPM (D), Bonzi 2-4 PPM (D)	Aphids, Thrips, Leafminer, White Fly, Powdery Mildew, Pythium	Cool temperatures and high light levels will improve plant quality. Watch Fe deficiency.	6 to 7 weeks, 1 ppp	7 to 9 weeks, 1 ppp	9 to 12 weeks, 3 to 4 ppp	
B-Nine 2,500-3,000 PPM (S), Bonzi 2-4 PPM (D)	Spider Mites, Thrips, Botrytis, Tobacco Mosaic Virus		4 to 6 weeks, 1 ppp	6 to 8 weeks, 1 ppp	10 to 12 weeks, 3 ppp	
B-Nine 2,500 PPM (S), Sumagic 20-30 PPM (S)/ Sumagic 0.5 PPM (D), Bonzi 2-4 PPM (D)	Aphids, Thrips, Leafminer, White Fly, Powdery Mildew, Pythium	Cool temperatures and high light levels will improve plant quality. Watch Fe deficiency.	6 to 7 weeks, 1 ppp	7 to 9 weeks, 1 ppp	9 to 12 weeks, 3 to 4 ppp	
B-Nine 1,500-2,000 PPM (S)	Thrips, Pythium, Powdery Mildew	Avoid overwatering.	5 to 6 weeks, 1 ppp	6 to 8 weeks, 1 to 2 ppp	10 to 12 weeks, 3 to 4 ppp	
generally not needed - keep dry to control vigor	Aphids, Fungus Gnats, Slugs, Botrytis, Pythium	Pinch as needed for improved plant habit. Let media dry out between watering.	6 to 8 weeks, 1 ppp	8 to 10 weeks, 2 ppp	9 to 12 weeks, 4 to 5 ppp	
B-Nine 2,500 PPM (S)	Mites		4 to 5 weeks, 1 ppp	5 to 7 weeks, 1 ppp	8 to 10 weeks, 1 to 3 ppp	
B-Nine 2,500 PPM (S), Sumagic 2-5 PPM (S)	Aphids, Spider Mites, Pythium	Start late Spring when day length increases and temperatures rise. High light and warm temperatures will improve flowering, branching and plant development.	6 to 7 weeks, 1 ppp	8 to 9 weeks, 1 to 2 ppp	9 to 12 weeks, 4 to 5 ppp	

<sup>5</sup>**Temperature needs day/night:** During rooting, keep soil temperature measured in the liner at 70°F/21°C until cuttings are well-rooted. After planting the liner, keep temperature up until roots have developed nicely. Afterward, follow recommendations. The use of "Cool Morning" treatments will improve plant quality, flower and foliage color, and plant habit, and harden the plants. Lower the temperature by 8-12°F/4-6°C 2 hours before sunrise until 2-3 hours after sunrise. Start treatments after plants are rooted in, well-branched and cover the media (reach the pot edges). To avoid delayed flowering, keep the average day temperature under a close watch and if necessary, increase night temperatures. Finishing of the crop depends on the average day temperature, and positive or negative DIF methods as well as "Cool Morning" can be used to improve plant quality.

# Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH <sup>2</sup>	Fertilizer Needs <sup>3</sup>	Watering <sup>4</sup>	Temperature Needs Day / Night <sup>5</sup>	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	<b>Scaevola</b> <i>Scaevola aemula</i>	<b>Fairy™</b>	5.4-5.8	200-250 PPM N/EC 1.8-2.0	grow on the dry side	68-78°F/62-65°F 20-26°C/17-18°C	yes	5,000 to 6,000
	<b>Sedum</b> <i>Sedum mexicanum</i>	<b>Gold Mound</b>	5.8-6.5	100-150 PPM N/EC 1.4-1.8	grow on the dry side	65-70°F/50-55°F 18-21°C/10-13°C	optional	5,000 to 6,000
	<b>Trixi®</b>	<b>Trixi recipes</b>	5.4-5.8	200-250 PPM N/EC 1.8-2.0	keep constantly moist	70-75°F/55-60°F 21-24°C/13-16°C	a second pinch is recommended	5,000 to 6,000
	<b>Verbena</b> <i>Verbena cultivars</i>	<b>Beats™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	65-75°F/60-65°F 18-24°C/16-18°C	optional	5,000 to 6,000
	<b>Verbena</b> <i>Verbena cultivars</i>	<b>BeBop™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	65-75°F/60-65°F 18-24°C/16-18°C	yes	5,000 to 6,000
	<b>Verbena</b> <i>Verbena cultivars</i>	<b>Blues™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	65-75°F/60-65°F 18-24°C/16-18°C	yes	5,000 to 6,000
	<b>Verbena</b> <i>Verbena cultivars</i>	<b>Lascar™</b>	5.8-6.2	200-250 PPM N/EC 1.8-2.0	grow on the dry side	65-75°F/60-65°F 18-24°C/16-18°C	yes	5,000 to 6,000

<sup>2</sup> **Media pH:** Best results are achieved if media with the correct pH is used starting with propagation.

<sup>3</sup> **Fertilizer needs:** Start with low concentrations after roots show and increase with plant development to the recommended levels.

<sup>4</sup> **Watering:** In general, avoid drying out or overwatering the substrate as this will affect plant quality and finishing time. Root system will suffer when conditions change from one extreme to the other. "Growing on the dry side" means letting the substrate become dry (substrate color turns light brown and substrate starts to separate from the pot edge) before watering. "Keep constantly moist" means watering the plants just before substrate becomes dry. Water management in rooting and finishing is half the success and the best way to prevent root-bound diseases, improve performance and control plant quality.

			CROP TIME FROM ROOTED CUTTING/PLANTS PER POT (PPP)		
Plant Growth Regulators (PGR) (S) = Spray / (D) = Drench	Pests and Fungal Diseases	Comments	4 to 5-inch (10 to 13-cm) Pots, Quarts	6-inch (15-cm) Pots, Gallons	10 to 12-inch (25 to 30-cm) Tubs or Baskets
Sumagic 5-10 PPM (S), Bonzi 10-20 PPM (S)/ Bonzi 0.5-1 PPM (D)	Botrytis, Pythium, Phytophthora	Start late Spring when day length increases and temperatures rise. High light and warm temperatures will improve flowering, branching and plant development.	6 to 7 weeks, 1 ppp	8 to 10 weeks, 1 to 2 ppp	9 to 12 weeks, 4 to 5 ppp
none			8 to 10 weeks (varies seasonally), 1 ppp	10 to 12 weeks (varies seasonally), 1 to 3 ppp	12 to 14 weeks (varies seasonally), 3 to 5 ppp
Depends on the Mix. B-Nine 2,500-3,500 PPM (S), Sumagic 5-20 PPM (S)/ Sumagic 0.25-0.50 PPM (D), Bonzi 2-4 PPM (D)	Depends on the Mix. See single crops for a list of possible problems.	Cool temperatures and high light levels will improve plant quality. Pinch as needed for improved plant habit. Watch for Fe deficiency.	5 to 6 weeks, 1 ppp	5 to 6 weeks, 1 to 2 ppp	8 to 10 weeks, 3 to 4 ppp
Very little or no PGR is necessary for Beats. If necessary, B-Nine 1,000 PPM/Cycocel 500 PPM works well.	Thrips, Aphids, Leafminer, Powdery Mildew	Due to its natural compact habit, use care to avoid overwatering.	5 to 6 weeks, 1 ppp	6 to 8 weeks, 3 ppp	7 to 9 weeks, 5 ppp
B-Nine 1,500-2,500 PPM (S), Sumagic 5-10 PPM (S), Cycocel 1,000-2,000 PPM (S)	Thrips, Aphids, White Fly, Leafminer, Powdery Mildew	Let media dry out between watering. Avoid stretch, and pinch as needed to improve plant habit.	5 to 7 weeks, 1 ppp	6 to 9 weeks, 1 ppp	9 to 11 weeks, 3 to 5 ppp
B-Nine 1,500-2,500 PPM (S), Sumagic 5-10 PPM (S), Cycocel 1,000-2,000 PPM (S)	Thrips, Aphids, White Fly, Leafminer, Powdery Mildew	Let media dry out between watering. Avoid stretch, and pinch as needed to improve plant habit.	6 to 7 weeks, 1 ppp	7 to 9 weeks, 1 ppp	8 to 10 weeks, 3 to 4 ppp
B-Nine 1,500-2,500 PPM (S), Sumagic 5-10 PPM (S), Cycocel 1,000-2,000 (S)	Thrips, Aphids, White Fly, Leafminer, Powdery Mildew	Let media dry out between watering. Avoid stretch, and pinch as needed to improve plant habit.	6 to 7 weeks, 1 ppp	7 to 9 weeks, 1 ppp	8 to 10 weeks, 3 to 5 ppp



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<sup>5</sup>**Temperature needs day/night:** During rooting, keep soil temperature measured in the liner at 70°F/21°C until cuttings are well-rooted. After planting the liner, keep temperature up until roots have developed nicely. Afterward, follow recommendations. The use of “Cool Morning” treatments will improve plant quality, flower and foliage color, and plant habit, and harden the plants. Lower the temperature by 8-12°F/4-6°C 2 hours before sunrise until 2-3 hours after sunrise. Start treatments after plants are rooted in, well-branched and cover the media (reach the pot edges). To avoid delayed flowering, keep the average day temperature under a close watch and if necessary, increase night temperatures. Finishing of the crop depends on the average day temperature, and positive or negative DIF methods as well as “Cool Morning” can be used to improve plant quality.



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