



20

20

selecta **one**[®]

Combos

Trixi®3

Annuals

Arctotis 23
 Argyranthemum 22
 Bacopa 23
 Begonia 24
 Bidens 28
 Bracteantha 26
 Calceolaria 29
 Calibrachoa 30
 Cineraria (see Pericallis) .. 87
 Convolvulus 37
 Cuphea 37
 Dahlia 38
 Diascia 57
 Euphorbia 37
 Fuchsia 46
 Geranium 47
 Geranium Interspecific .. 49
 Geranium Ivy 54
 Geranium Zonal 48

Glechoma 59
 Helichrysum 58
 Heliotrope 59
 Impatiens Interspecific .. 64
 Impatiens New Guinea .. 60
 Lobelia 66
 Lobularia 70
 Lysimachia 59
 Mandevilla 70
 Nierembergia 70
 Osteospermum 72
 Pericallis 87
 Petunia 78
 Phlox 88
 Portulaca 93
 Salvia 90
 Sanvitalia 93
 Scaevola 92
 Verbena 94

Perennials

Delosperma 108
 Dianthus 100
 Gaura 109
 Lavender 110
 Pot Carnation
 (see Dianthus) 100

Herbs

Herbs 111

Product Information 116
 Discontinued and Renamed Varieties 117
 Flowering Only Terms & Conditions 118
 Plant Protection & Licensing 119
 Terms & Conditions of Sale 120
 Rooting Guide 121
 Finishing Guide 126
 Licensed Root & Sell Stations Back Cover



NEW Headliner™
 Dark Saturn
 Petunia

NEW Uno
 Double Plum Tastic
 Calibrachoa





NEW Venti™
Pink+White Eye
Dahlia



NEW Venti™
Tequila Sunrise



NEW Dalaya™
Purple+White
Dahlia



NEW Raspberry Sorbet
featuring
MiniFamous Neo White Calibrachoa
Starlet Magenta Star Petunia
Blues Magenta+Eye Verbena
See page 4 for Trixi mixes.

Classic and “FanTastic” Performers

Four outstanding selections bring a dimensional flower form into 2020 – Dahlias, Calibrachoa, Petunias and Trixi® Combos – for out-of-this-world presentation and performance.

The National Garden Bureau proclaimed 2019 the Year of the Dahlia! With the addition of NEW Venti™ Dahlia Series to our already outstanding collection, Selecta One provides the most diverse Dahlias – with double flowers and bicolors – to satisfy consumers.

This year, we have transitioned our MiniFamous® Calibrachoa collection into two series, Uno and Neo, making it easier than ever to choose from our classic core colors and striking patterns. Plus, the award-winning MiniFamous® Uno Double PinkTastic now has a new sibling in the Uno family with Double PlumTastic, as well as an exciting orange addition with MiniFamous® Neo Double OrangeTastic. All feature double flowers for double the impact.

With Selecta One®, you can buy and grow with confidence based on superior genetics, proprietary breeding and testing, world-class production and fantastic selections!

Key to symbols

20 Upgraded Variety

Varieties noted as 20 represent a significant improvement compared to last year's genetics. | Les variétés indiquées par la mention 20 représentent une amélioration significative comparativement à la génétique de l'année passée. | Las variedades marcadas con 20 indican un mejoramiento significativo, comparado con la genética del año anterior.



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. | Variétés convenant tout spécialement à la production de haute densité et aux cultures à rotation rapide. Port compact en dôme, vigueur facile à contrôler et floraison précoce permettant une culture et une expédition à haute densité. | Variedades especialmente adecuadas para producción de alta densidad y cultivos rápidos. Su hábito redondeado y compacto, vigor fácil de controlar y floración precoz permite envíos y producción de alta densidad.



Sun-Lover

Varieties are especially suitable for hot areas and growing in warmer temperatures. | Variétés qui conviennent particulièrement aux emplacements où il fait très chaud et à la culture sous des températures chaudes. | Variedades son especialmente apropiadas para áreas de calor y producción con temperaturas cálidas.



No-Pinch

Varieties mean savings on labor costs, less sanitary risk and shorter crop times. | Variétés qui permettent d'économiser à moyen terme sur les coûts de la main-d'œuvre et pour lesquelles le risque phytosanitaire et le temps de production sont moindres. | Variedades no requieren despuntes, por lo tanto se reducen tanto el costo de mano de obra, como los riesgos de sanidad, y el tiempo de cultivo.

Vigor | Vigueur | Crecimiento

- 1 **low** | très compact | bajo
- 2 **low-medium** | compact | bajo-mediano
- 3 **medium** | moyen | mediano
- 4 **medium-high** | vigoureux | mediano-alto
- 5 **high** | très vigoureux | alto

Flowering Time | Floraison | Floración

- 1 **very early** | très précoce | precoz
- 2 **early** | précoce | temprana
- 3 **standard** | mi-saison | estándar

Heat Tolerance | Tolérance à la chaleur | Tolerancia al Calor

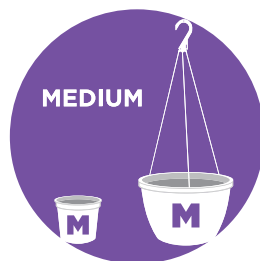
- A **excellent** | excellente | excelente
 B **very good** | très bonne | muy buena
 C **good** | bonne | buena

USDA Hardiness Zones

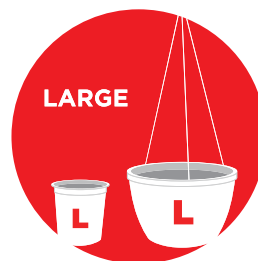
Information on USDA Hardiness Zones for our perennials is provided on a separate line and in bold type below the description of each variety, for your convenience.



COMPACT POT & BASKET



MEDIUM POT & BASKET



LARGE POT & BASKET
















NOVELTY





























Trixi® Combos














selecta  [®]

A combo for any occasion

MONO COMBOS		
	NEW Batting Eyes 20	Page 13
	NEW Berry Daring 20	Page 16
	NEW Bolero 20	Page 11
	NEW Double Date 20	Page 10
	NEW Double The Heat (Duo)	Page 12
	NEW Gold & Bold 20	Page 10
	NEW Old Glory 20	Page 20
	NEW On the Double (Duo)	Page 18
	NEW Purple with a Purpose 20	Page 19
	NEW Sunset 20	Page 13
	NEW Sweet Candy 20	Page 13
	NEW Wild Berry 20	Page 17
	NEW You PINKed My Interest	Page 14

MONO COMBOS		
	Ball Game	Page 20
	Brass Band (Duo)	Page 9
	Caribbean Cocktail	Page 13
	Daisy Falls	Page 6
	Fairy	Page 19
	Flirtini	Page 7
	Heat of the Moment	Page 15
	Hotter than You Pink	Page 15
	Lollipop	Page 11
	Party Favor	Page 17
	Starspinner (Duo)	Page 17
	Written in the Stars (Duo)	Page 7

MULTI-SPECIES COMBOS		
	NEW Charged Up Cherry!	Page 11
	NEW Crazy for Crayons 20	Page 8
	NEW Flamingo Feather 20	Page 6
	NEW Geisha Girl 20	Page 15
	NEW La Bomba 20	Page 9
	NEW Liberty Bell 20	Page 20
	NEW Night Watch 20	Page 8
	NEW Raspberry Sorbet	Page 16
	NEW Spring Valley 20	Page 20
	NEW Strawberry Shortcake 20	Page 14
	NEW Twinkle Star 20	Page 7
	Blueberry Parfait	Page 19
	Cajun Flare	Page 8
	Cherry Kiss	Page 15

MULTI-SPECIES COMBOS		
	Daisy Dance	Page 6
	Double Delight	Page 9
	Love Song	Page 11
	Nightfall	Page 18
	Out of the Blue	Page 7
	Pop the Bubbly	Page 9
	Popular Demand	Page 6
	Prime Time	Page 8
	Salt Water Taffy	Page 17
	Starlight Starbright	Page 18
	Treasure Chest	Page 18
	Walk on a Cloud	Page 19
	Who Knew Orleans	Page 12

A pop of purple for the early season



NEW

Flamingo Feather 20

Big Falls™ Pearl Bacopa
 Piccadilly™ Dark Salmon Diascia
 Daisy Falls™ Purple Osteospermum

Ⓟ 4 Ⓢ 2 Ⓢ B



Daisy Dance

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

Ⓟ 4 Ⓢ 2 Ⓢ B



Popular Demand

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

Ⓟ 4 Ⓢ 2 Ⓢ B



TOP SELLER

Daisy Falls

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

Ⓟ 4 Ⓢ 2 Ⓢ B



NEW

Twinkle Star 20

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

Ⓟ 4 Ⓟ 2 Ⓟ B



Written in the Stars

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

Ⓟ 4 Ⓟ 2 Ⓟ B



Out of the Blue

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

Ⓟ 4 Ⓟ 1 Ⓟ B



Flirtini

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

Ⓟ 3 Ⓟ 2 Ⓟ B

Go bold with mid-season, primary colors



TOP SELLER

Prime Time

Namid™ Special Yellow Bidens
 Lascar™ Dark Red Verbena
 Lascar™ Dark Violet Verbena

Ⓟ 4 Ⓟ 2 Ⓟ B



NEW

Crazy for Crayons 20

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

Ⓟ 4 Ⓟ 2 Ⓟ B



TOP SELLER

Cajun Flare

Namid™ Early Yellow Bidens
 Starlet™ Lavender Star Petunia
 Lascar™ Burgundy Verbena

Ⓟ 3 Ⓟ 2 Ⓟ B



NEW

Night Watch 20

Namid™ Special Yellow Bidens
NEW Starlet™ Velvet 20 Petunia
 Blues™ Red Verbena

Ⓟ 4 Ⓟ 2 Ⓟ B



NEW

La Bomba 20

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

⓪ 4 ⓪ 2 ⓪ B



Double Delight

MiniFamous® Uno Double Lemon Calibrachoa
 Magadi™ White Lobelia
 Lascar™ Burgundy Verbena

⓪ 3 ⓪ 1 ⓪ B



TOP SELLER

Brass Band

MiniFamous® Neo Deep Yellow Calibrachoa
 MiniFamous® Neo Vampire Calibrachoa

⓪ 4 ⓪ 2 ⓪ B



TOP SELLER

Pop the Bubbly

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

⓪ 3 ⓪ 2 ⓪ B

Sunny mixes - in single or double blooms!



NEW

Double Date 20

MiniFamous® Neo Double Amethyst Calibrachoa
 MiniFamous® Uno Double Lemon Calibrachoa
NEW MiniFamous® Uno Double Red 20 Calibrachoa

Ⓟ 4 Ⓞ 2 Ⓢ B



NEW

Gold & Bold 20

NEW MiniFamous® Neo Dark Blue Calibrachoa
 MiniFamous® Neo Deep Yellow Calibrachoa
NEW MiniFamous® Neo Purple 20 Calibrachoa

Ⓟ 4 Ⓞ 2 Ⓢ B



NEW

Bolero 20

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

Ⓟ 4 Ⓟ 2 Ⓟ B



NEW

Charged Up Cherry!

MiniFamous® Uno Double Lemon Calibrachoa
 MiniFamous® Uno Raspberry Star Calibrachoa
 Blues™ Magenta+Eye Verbena

Ⓟ 4 Ⓟ 2 Ⓟ B



Love Song

NEW MiniFamous® Neo Double Deep Yellow Calibrachoa
 Headliner™ Lipstick Petunia
 Fairy™ Blue Scaevola

Ⓟ 5 Ⓟ 2 Ⓟ A



TOP SELLER

Lollipop

MiniFamous® Neo Blue Calibrachoa
 MiniFamous® Neo Deep Yellow Calibrachoa
 MiniFamous® Neo Pink Calibrachoa

Ⓟ 4 Ⓟ 2 Ⓟ A

Bring the heat with spicy hues



TOP SELLER

Who Knew Orleans

MiniFamous® Uno Yellow+Red Vein Calibrachoa

Headliner™ Red Petunia

Lascar™ Mango Orange Verbena

Ⓟ 3 Ⓟ 2 Ⓟ B

NEW

Double The Heat

NEW MiniFamous® Neo Double OrangeTastic Calibrachoa

NEW MiniFamous® Uno Double Red 20 Calibrachoa

Ⓟ 4 Ⓟ 2 Ⓟ B



NEW

Sweet Candy 20

NEW MiniFamous® Neo Dark Blue Calibrachoa
NEW MiniFamous® Neo Light Pink+Eye 20 Calibrachoa
 MiniFamous® Neo Orange+Red Eye Calibrachoa

Ⓧ 4 Ⓞ 2 Ⓢ B



NEW

Batting Eyes 20

MiniFamous® Neo Orange+Red Eye Calibrachoa
 MiniFamous® Neo Salmon Pink+Eye Calibrachoa
 MiniFamous® Uno Yellow+Red Vein Calibrachoa

Ⓧ 4 Ⓞ 2 Ⓢ B



TOP SELLER

Caribbean Cocktail

MiniFamous® Neo Blue Calibrachoa
 MiniFamous® Neo Orange+Red Eye Calibrachoa
 MiniFamous® Neo Vampire Calibrachoa

Ⓧ 4 Ⓞ 2 Ⓢ B



NEW

Sunset 20

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

Ⓧ 4 Ⓞ 2 Ⓢ B

Pretty pinks – perfect for Mother’s Day!



NEW

You PINKed My Interest

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

Ⓧ 4 Ⓞ 1 Ⓢ A



NEW

Strawberry Shortcake 20

Big Falls™ White Bacopa
NEW MiniFamous® Neo Light Pink+Eye 20 Calibrachoa
 Lascar™ Burgundy Verbena

Ⓧ 4 Ⓞ 2 Ⓢ B



Heat of the Moment

Marcada™ Dark Red Geranium
 Marcada™ Magenta Geranium
 Marcada™ Pink Geranium

Ⓟ 3 Ⓞ 2 Ⓢ A



TOP SELLER

Cherry Kiss

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

Ⓟ 4 Ⓞ 2 Ⓢ B



NEW

Geisha Girl 20

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

Ⓟ 4 Ⓞ 2 Ⓢ B



Hotter than You Pink

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

Ⓟ 4 Ⓞ 2 Ⓢ B

Delicious displays with berry tones



NEW

Raspberry Sorbet

MiniFamous® Neo White Calibrachoa
 Starlet™ Magenta Star Petunia
 Blues™ Magenta+Eye Verbena

Ⓟ 4 Ⓞ 2 Ⓢ B

NEW

Berry Daring 20

NEW MiniFamous® Neo Dark Blue Calibrachoa
NEW MiniFamous® Neo Purple 20 Calibrachoa
 MiniFamous® Neo Salmon+Pink Eye Calibrachoa

Ⓟ 4 Ⓞ 2 Ⓢ B



NEW

Wild Berry 20

MiniFamous® Neo Blue Calibrachoa
NEW MiniFamous® Neo Purple 20 Calibrachoa
 MiniFamous® Neo White Calibrachoa

Ⓟ 4 Ⓟ 2 Ⓟ B



Starspinner

MiniFamous® Uno Pink Star Calibrachoa
 MiniFamous® Uno Violet Star Calibrachoa

Ⓟ 4 Ⓟ 2 Ⓟ B



Party Favor

MiniFamous® Neo Blue Calibrachoa
 MiniFamous® Neo Pink Calibrachoa
 MiniFamous® Neo White Calibrachoa

Ⓟ 3 Ⓟ 2 Ⓟ B



Salt Water Taffy

MiniFamous® Neo Salmon Pink+Eye Calibrachoa
 Starlet™ Pink Lemonade Petunia
 Blues™ Lavender+Eye Verbena

Ⓟ 3 Ⓟ 2 Ⓟ B

Purple and white add sophisticated style



NEW

On the Double

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

⓪ 4 ⓪ 1 ⓪ B



TOP SELLER

Starlight Starbright

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

⓪ 4 ⓪ 2 ⓪ B



Treasure Chest

Magadi™ Electric Purple Lobelia
 Starlet™ Lavender Star Petunia
 Lascar™ White Verbena

⓪ 3 ⓪ 2 ⓪ B



TOP SELLER

Nightfall

MiniFamous® Neo Blue Calibrachoa
 Starlet™ Lavender Star Petunia
 Blues™ Lavender+Eye Verbena

⓪ 4 ⓪ 2 ⓪ B



Fairy

Fairy™ Blue Scaevola
 Fairy™ Pink Scaevola
 Fairy™ White Scaevola

⓪ 3 ⓪ 2 ⓪ A

TOP SELLER

Blueberry Parfait

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

⓪ 4 ⓪ 2 ⓪ B



NEW

Purple with a Purpose 20

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

⓪ 4 ⓪ 2 ⓪ B

Walk on a Cloud

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

⓪ 3 ⓪ 2 ⓪ B

Patriotic palettes – perfect for Summer!



NEW

Old Glory 20

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

Ⓧ 4 Ⓡ 2 Ⓢ B



NEW

Liberty Bell 20

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

Ⓧ 4 Ⓡ 2 Ⓢ B



NEW

Spring Valley 20

MiniFamous® Neo Blue Calibrachoa
NEW MiniFamous® Neo Lava+Red Eye Calibrachoa
Magadi™ Basket White Lobelia

Ⓧ 4 Ⓡ 2 Ⓢ B



Ball Game

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

Ⓧ 3 Ⓡ 1 Ⓢ B

Annuals

selecta  [®]

Opera™ Arctotis

Arctotis sp.

Fun series of compact arctotis is easy to control and finish in small pots for strong early-season sales. In three stunning colors, Opera makes a great complement to osteospermum and argyranthemum programs.

Height: 6 to 8 in. (15 to 20 cm)
Spread: 12 to 16 in. (30 to 41 cm)



Ⓟ 2 Ⓢ 1 Ⓢ C

Opera Fire Arctotis



Ⓟ 2 Ⓢ 1 Ⓢ C

Opera Orange Arctotis



Ⓟ 2 Ⓢ 1 Ⓢ C

Opera Rose Arctotis

Big Falls™ Bacopa

Sutera grandiflora

Excellent branching, featuring large blooms with saturated colors and short crop time.

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



Ⓟ 3 Ⓢ 1 Ⓢ B

Big Falls Dark Blue Bacopa



Ⓟ 3 Ⓢ 1 Ⓢ B

Big Falls Dark Pink Bacopa



Ⓟ 3 Ⓢ 1 Ⓢ B

Big Falls Pearl Bacopa



Ⓟ 3 Ⓢ 1 Ⓢ B

Big Falls White Bacopa

Trixi Blueberry Parfait

featuring
Big Falls Pearl Bacopa
MiniFamous Neo
Light Blue Calibrachoa
Blues Light Pink+Eye Verbena
See page 4 for Trixi mixes.



Mistral[®] Begonia

Begonia boliviensis

Excellent branching makes Mistral the BEST begonia for hanging baskets! Large, eye-catching flowers mean lots of impulse sales. Great in mixed containers, too.

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

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



Ⓥ 4 Ⓢ 2 Ⓢ B

Dark Red



Ⓥ 3 Ⓢ 2 Ⓢ B

Orange



Yellow



Ⓥ 3 Ⓢ 2 Ⓢ B

Pink



Ⓥ 2 Ⓢ 2 Ⓢ B

Yellow

Mistral® Double Orange Begonia

Begonia boliviensis

This *boliviensis* cross offers excellent cutting performance for reliable production. Exciting, semi-double orange blooms complement a compact, well-branched plant.

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

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



Mistral Double Orange Begonia

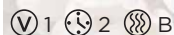
Marshmallow Begonia

Begonia cultivars

Compact *boliviensis* cross provides dependable production and strong performance in small pots. Attractive, well-branched plants feature lots of two-toned blooms.

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

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



Marshmallow Begonia

Mohave™ Bracteantha

Bracteantha bracteata

The widest color range in bracteantha spans the seasons from Spring to Fall. Mohave's superior branching and mounding habit really hold up at retail. Big, brilliant flowers make Mohave perfect for mixed containers and landscaping.

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

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



Orange



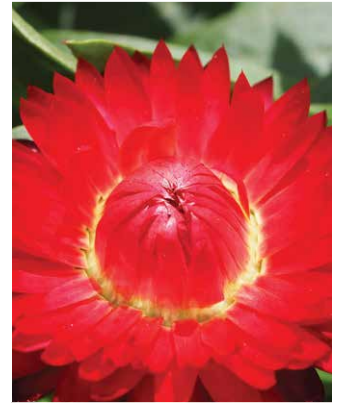
Ⓟ 3 Ⓢ 2 Ⓢ B

Apricot



Ⓟ 3 Ⓢ 2 Ⓢ A

Basket Yellow



Ⓟ 2 Ⓢ 2 Ⓢ B

Dark Red



Ⓟ 3 Ⓢ 2 Ⓢ B

Dark Rose



Ⓟ 3 Ⓢ 2 Ⓢ B

Orange



Ⓟ 2 Ⓢ 2 Ⓢ B

Purple Red



Ⓟ 4 Ⓢ 2 Ⓢ A

White



Ⓟ 3 Ⓢ 2 Ⓢ A

Yellow

Namid™ Bidens

Bidens ferulifolia

This one series fills all your bidens needs, with strong, well-branched varieties that provide controlled growth and long flower performance.

Height: 6 to 8 in. (15 to 20 cm)
Spread: 12 to 20 in. (30 to 51 cm)



NEW Trixi La Bomba 20
 featuring
 Namid Early Yellow Bidens
NEW MiniFamous Neo Dark
 Blue Calibrachoa
 Headliner Red Petunia
 See page 4 for Trixi mixes.



Ⓟ 1 Ⓞ 1 Ⓢ B

Compact Yellow 20

Replaces Namid Compact Yellow for bigger blooms and better branching. Very sensitive to PGRs.



Ⓟ 3 Ⓞ 1 Ⓢ A

Early Yellow

Airy habit. Great choice for mixed containers.



Ⓟ 2 Ⓞ 2 Ⓢ B

Special Yellow

The habit of Compact Yellow 20, but with more vigor. A favorite in Northern markets.

Calynopsis™ Calceolaria

Calceolaria hybrida

Grow these unique, colorful varieties as premium potted floral products for early-season sales. Calynopsis works well in many pot sizes. 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)



Orange



Orange Red Eye



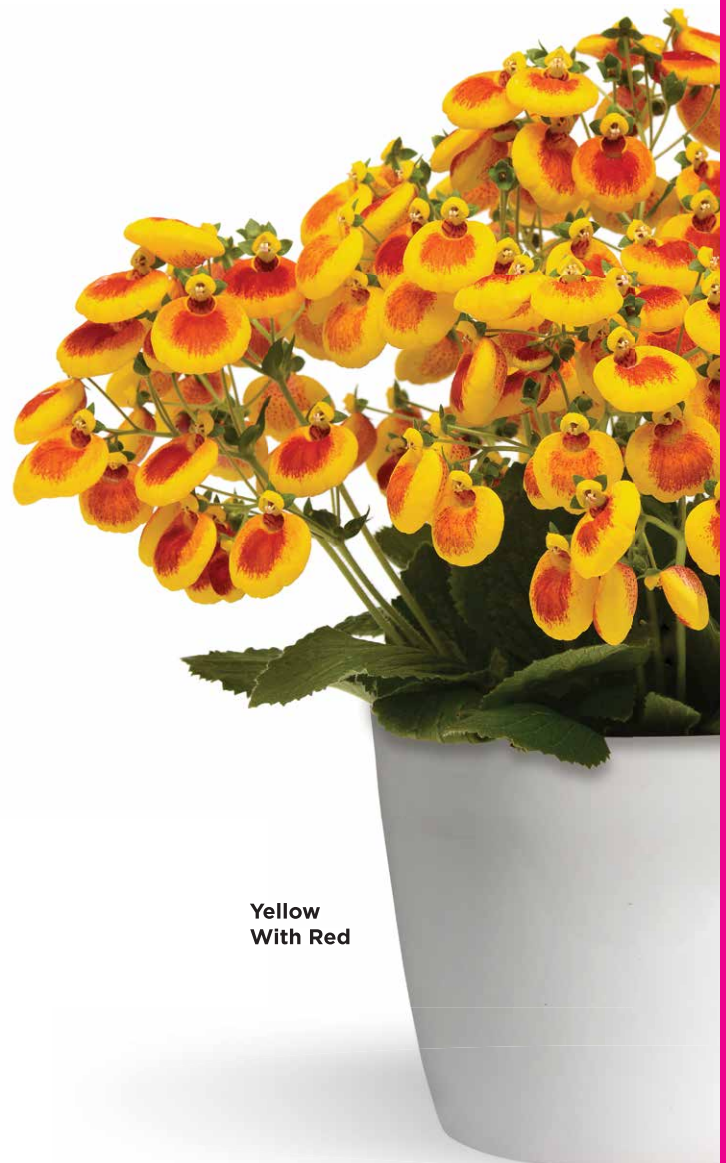
Red



Yellow



Yellow With Red



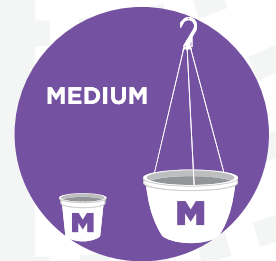
Yellow With Red

Calibrachoa

For 2020, we've further organized our MiniFamous® Calibrachoa offering into two main series, compact Uno, and medium-sized Neo, making your selection process that much easier. We have classic patterns to choose from, including doubles, stars and bicolors. Plus, the popular Uno Double PinkTastic is joined by Double PlumTastic, as well as Neo Double OrangeTastic! Wow 'em at retail with these novel features that set MiniFamous apart from the competition.



Uno
page 32



Neo
page 34



NEW Trixi On the Double

featuring

NEW MiniFamous Uno Double Dark Blue Calibrachoa

NEW MiniFamous Uno Double PlumTastic Calibrachoa

See page 4 for Trixi mixes.



NEW Trixi Gold & Bold 20
featuring
NEW MiniFamous Neo Dark Blue Calibrachoa
MiniFamous Neo Deep Yellow Calibrachoa
NEW MiniFamous Neo Purple 20 Calibrachoa
See page 4 for Trixi mixes.

NEW Trixi Double The Heat
featuring
NEW MiniFamous Neo
Double OrangeTastic
Calibrachoa
NEW MiniFamous Uno
Double Red 20 Calibrachoa.
See page 4 for Trixi mixes.



MiniFamous[®] Uno Calibrachoa

Calibrachoa hybrida

An early-to-finish, medium-compact calibrachoa with uniform flower timing across the series. It grows well in quart and gallon containers, but also thrives in hanging baskets as part of Trixi[®] combos. This series has the most diversity on the market, featuring 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)



HD



Dark Blue



Pink 20



Pink Strike



Pink Star



Raspberry Star



Red



Violet Star



White



Yellow



Yellow+Red Vein



Double Dark Blue



Double Red 20



Double White+Pink Whirl



Double PlumTastic



Double Lemon



Double White



Double Close Up



Double PinkTastic



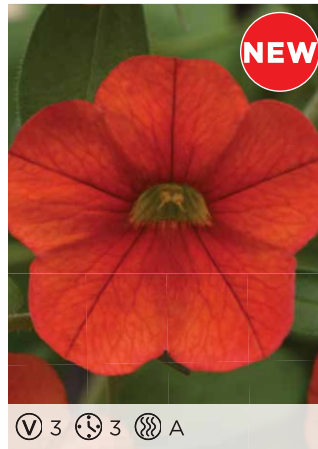
Double Light Pink

MiniFamous[®] Neo Calibrachoa

Calibrachoa cultivars

For a uniform, semi-trailing habit, along with medium vigor and attractive flowering time, try MiniFamous Neo. It features large single blooms, NEW double blooms and a wide range of colors.

Height: 8 to 12 in. (20 to 30 cm)
Spread: 12 to 15 in. (30 to 38 cm)



Deep Orange



Dark Blue



Deep Yellow



Blue



White+Yellow Eye



NEW

Ⓥ 2 Ⓞ 1 Ⓢ B

Light Pink+Eye 20



NEW

Ⓥ 2 Ⓞ 2 Ⓢ B

Lava+Red Eye



NEW

Ⓥ 3 Ⓞ 2 Ⓢ B

Violet Ice



NEW

Ⓥ 3 Ⓞ 2 Ⓢ B

Light Pink



Ⓥ 3 Ⓞ 2 Ⓢ A

Light Blue



Ⓥ 3 Ⓞ 3 Ⓢ A

Pink



Ⓥ 3 Ⓞ 2 Ⓢ A

Orange+Red Eye



NEW

Ⓥ 3 Ⓞ 2 Ⓢ A

Purple 20



Ⓥ 3 Ⓞ 2 Ⓢ A

Yellow



Ⓥ 3 Ⓞ 2 Ⓢ A

Salmon Pink+Eye



Ⓥ 2 Ⓞ 2 Ⓢ A

Vampire



Ⓥ 3 Ⓞ 2 Ⓢ A

White

NEO continues on page 36

MiniFamous®
Neo Calibrachoa *Continued*



Ⓧ 2 Ⓞ 2 Ⓢ A

White+Yellow Eye



Ⓧ 3 Ⓞ 2 Ⓢ A

Double OrangeTastic



Ⓧ 3 Ⓞ 2 Ⓢ A

Double Deep Yellow



Ⓧ 3 Ⓞ 3 Ⓢ A

Double Dark Blue



Ⓧ 3 Ⓞ 2 Ⓢ A

Double Amethyst



Ⓧ 3 Ⓞ 1 Ⓢ A

Double Purple



Ⓧ 3 Ⓞ 2 Ⓢ A

Double Silver Blue



Ⓧ 3 Ⓞ 1 Ⓢ A

Double Lemon



Ⓧ 3 Ⓞ 2 Ⓢ B

Double Pink

Cineraria see page 87

Early Blue Convolvulus

Convolvulus sabatius

Drought and heat tolerant! Strategic blue blooms with a mounded habit make exciting combos.

Height: 10 to 14 in. (25 to 36 cm)
Spread: 10 to 12 in. (25 to 30 cm)



Ⓟ 2 ☼ 2 🌀 A

Early Blue Convolvulus

Prime White Convolvulus

Convolvulus sabatius

Easy-care and drought-tolerant. Attractive white blooms complement mixed combos.

Height: 10 to 14 in. (25 to 36 cm)
Spread: 10 to 12 in. (25 to 30 cm)



Ⓟ 2 ☼ 2 🌀 A

Prime White Convolvulus

Cuphea

Cuphea hyssopifolia

Also known as Mexican heather, *Cuphea hyssopifolia* has fine, fernlike foliage and a 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)



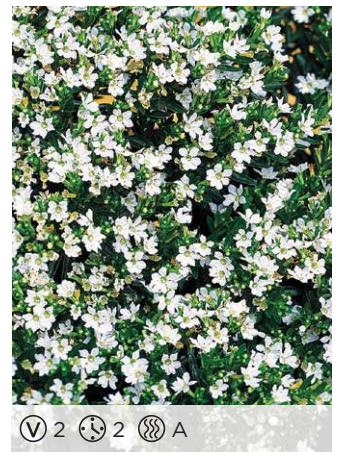
Ⓟ 2 ☼ 2 🌀 A

Pink Cuphea



Ⓟ 2 ☼ 2 🌀 A

Purple Cuphea



Ⓟ 2 ☼ 2 🌀 A

White Cuphea

Loreen™ Euphorbia

Euphorbia hypericifolia

Excellent branching and dense flowering make an eye-catching display at retail and in finished containers. Loreen is ideal for gallons and larger mixes.

Height: 10 to 12 in. (25 to 30 cm)
Spread: 12 to 14 in. (30 to 36 cm)



Ⓟ 3 ☼ 2 🌀 A

Loreen White Euphorbia

Dahlia

The National Garden Bureau proclaimed 2019 the Year of the Dahlia! Selecta One offers superior breeding, plus exciting patterns and bicolors, for terrific sell-through at retail. You'll find an incredible range of bloom and foliage colors to choose from for great garden showstoppers. With Selecta One, you can count on a strong and reliable supply chain for great cutting quality.

COMPACT



Dahlietta®
page 45

MEDIUM



City Lights™
page 44
Dalaya™
page 42

LARGE



Venti™
page 40



Dahlietta
Julia



Dalaya
Pink+Lemon

NEW Venti
Royal Purple

City Lights
Lavender Pink



NEW Venti™ Dahlia*Dahlia pinnata*

A uniform, vigorous series of double-flowered dahlias that brings a broad range of core single colors and exciting bicolors to the market. Venti is a series that fills the 2.5-qt. and larger dahlia needs by putting on a large flower display, and it provides a more controlled habit than the competition. Sourced from a worldwide-proven dahlia cutting farm, Venti varieties have been trialed and grown throughout Europe and North America with excellent results.

Height: 15 to 18 in. (38 to 46 cm)
Spread: 12 to 14 in. (30 to 36 cm)

**Royal Purple**



Ⓥ 3 Ⓞ 2 Ⓢ B

Golden Yellow



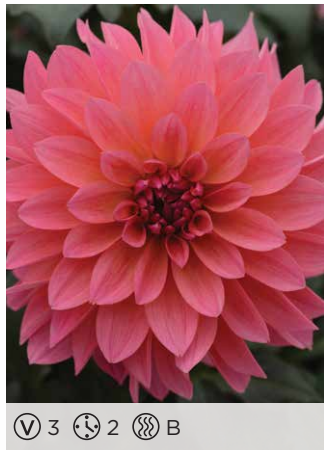
Ⓥ 3 Ⓞ 2 Ⓢ B

Lemon



Ⓥ 3 Ⓞ 2 Ⓢ B

Light Rose



Ⓥ 3 Ⓞ 2 Ⓢ B

Passion Fruit



Ⓥ 3 Ⓞ 2 Ⓢ B

Pink+White Eye



Ⓥ 3 Ⓞ 2 Ⓢ B

Red+White



Ⓥ 3 Ⓞ 2 Ⓢ B

Royal Purple



Ⓥ 3 Ⓞ 2 Ⓢ B

Tequila Sunrise



Ⓥ 3 Ⓞ 2 Ⓢ B

White



Dalaya™ Dahlia

Dahlia hybrida

Garden dahlia features big blooms and exotic bicolors that charm with awesome retail appeal. This series is known for having excellent garden performance and powdery mildew resistance that beats the competition across all varieties. Plus, Dalaya is well-branched with an exceptional habit, ideal for gallon and larger pots.

Height: 16 to 18 in. (41 to 46 cm)
Spread: 12 to 16 in. (30 to 41 cm)



Dark Red+White



Purple+White



Pink+Rose Eye



Pink+White

Pink+Lemon



NEW

Ⓥ 3 Ⓞ 3 Ⓢ B

Vampire



NEW

Ⓥ 3 Ⓞ 2 Ⓢ B

White



Ⓥ 4 Ⓞ 3 Ⓢ A

Pink+Lemon



Ⓥ 4 Ⓞ 3 Ⓢ A

Red



Yellow+Red Eye



Ⓥ 4 Ⓞ 3 Ⓢ A

Red+Yellow Eye



Ⓥ 3 Ⓞ 3 Ⓢ A

Yellow



Ⓥ 4 Ⓞ 3 Ⓢ A

Yellow+Red Eye



Ⓥ 3 Ⓞ 3 Ⓢ A

Pink+Yellow Eye

City Lights™ Dahlia

Dahlia hybrida

Dark-leaved garden dahlia comes from Dalaya breeding, so it is a powerhouse in the garden. The dark leaf makes it pop with contrast. Its bold, bicolor blooms last all season long. This series is a magnet for butterflies and birds. Dark-leaved varieties are known for having excellent color and good branching. City Lights makes an outstanding centerpiece.

Height: 16 to 18 in. (41 to 46 cm)
Spread: 12 to 16 in. (30 to 41 cm)



Ⓟ 3 Ⓢ 2 Ⓢ A

Golden Yellow



Ⓟ 3 Ⓢ 2 Ⓢ A

Lavender Pink



Ⓟ 3 Ⓢ 3 Ⓢ A

Purple



Ⓟ 3 Ⓢ 2 Ⓢ A

Red

Golden Yellow

Dahlietta[®] Dahlia

Dahlia pinnata

Dahlietta flowers in as little as 7 weeks for quick turns. More colors, patterns and improvements create a best-in-class, easy-to-grow assortment.

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 to 14 in. (30 to 36 cm)



Ⓟ 2 Ⓢ 2
Anna



Ⓟ 2 Ⓢ 1
Louise



Ⓟ 2 Ⓢ 1
Patty 20



Ⓟ 2 Ⓢ 1
Blanca



Ⓟ 2 Ⓢ 1
Coby



Ⓟ 2 Ⓢ 1
Lily



Ⓟ 2 Ⓢ 2
Paula



Ⓟ 2 Ⓢ 1
Emily



Ⓟ 2 Ⓢ 1
Julia



Ⓟ 2 Ⓢ 1
Rachel



Ⓟ 2 Ⓢ 1
Tessy

Ⓟ 2 Ⓢ 1
Vicky

Bellinto™ Fuchsia

Fuchsia cultivars

Day-neutral series of free-flowering fuchsia is a breeze to grow. Use trailing Bellinto in larger pots and baskets.

Height: 8 to 16 in. (20 to 41 cm)
Spread: 10 to 14 in. (25 to 36 cm)



Red+Blue



Ⓟ 2 Ⓢ 2 Ⓢ B

Compact Red+Violet



Ⓟ 2 Ⓢ 2 Ⓢ B

Compact Red+White



Ⓟ 3 Ⓢ 2 Ⓢ B

Red+Blue



Ⓟ 3 Ⓢ 2 Ⓢ B

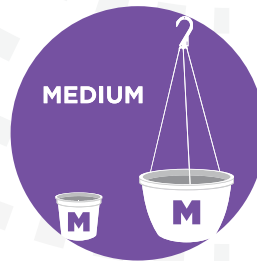
Red+White

Geranium

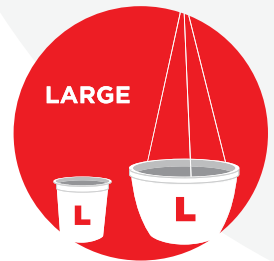
Enjoy a wide range of colors that are great for containers and hanging baskets with Selecta One's zonal and ivy geraniums. This heat-loving collection has been developed with leading European genetics from a consistent, reliable production farm in Kenya. Just use the pot sizing chart to see which size works best for your program.



Moonlight™ Zonal
page 50



Sunrise™ Zonal
page 52



Super Moon Red Zonal
page 48

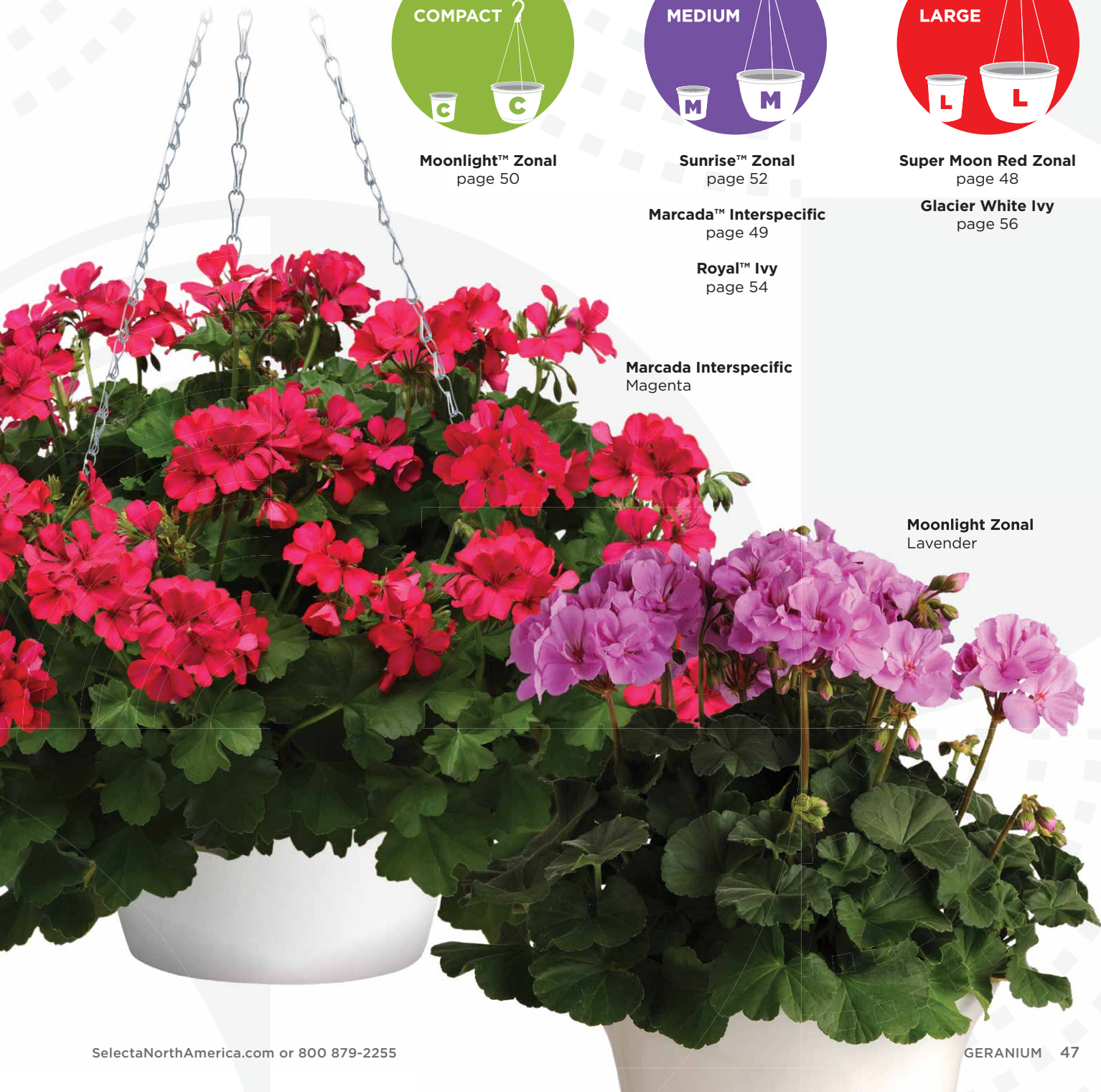
Marcada™ Interspecific
page 49

Royal™ Ivy
page 54

Glacier White Ivy
page 56

Marcada Interspecific
Magenta

Moonlight Zonal
Lavender

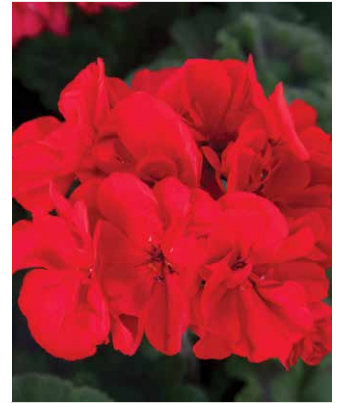


Super Moon Red Zonal Geranium

Pelargonium x hortorum

This stunning, large-flowered zonal geranium features dark red blooms on a very strong, vigorous plant. It has unique, very dark stems that provide contrast. Heat-tolerant variety is perfect for the landscape.

Height: 12 to 18 in. (30 to 46 cm)
Spread: 10 to 14 in. (25 to 36 cm)



Ⓟ 4 Ⓞ 2 Ⓢ A

Super Moon Red



Marcada™ Interspecific Geranium

Pelargonium cultivars

This strong geranium series offers superior flower retention throughout growth, shipping and on the retail shelf. It thrives in the heat, thrilling home gardeners throughout the Summer season.

Height: 12 to 16 in. (30 to 41 cm)
Spread: 12 to 18 in. (30 to 46 cm)



Ⓟ 3 Ⓞ 1 Ⓢ A
 Pink+Purple Eye



Ⓟ 4 Ⓞ 1 Ⓢ A
 Dark Red



Ⓟ 4 Ⓞ 1 Ⓢ A
 Magenta



Ⓟ 4 Ⓞ 1 Ⓢ A
 Pink



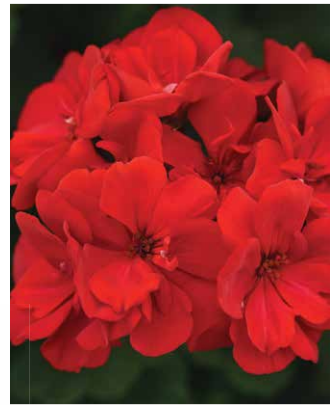
Trixi Heat of the Moment
 featuring
 Marcada Dark Red Geranium
 Marcada Magenta Geranium
 Marcada Pink Geranium
 See page 4 for Trixi mixes.

Moonlight™ Zonal Geranium

Pelargonium x hortorum

This dark foliage, compact and uniform series for the grower is the solution for pot-tight production and bench runs. Early flowering, with three to four large flowers at first flush, it provides a superior display of upright plants at retail. Perfect for quart and gallon programs.

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



Ⓧ 3 Ⓞ 2 Ⓢ B

Brilliant Red



Ⓧ 2 Ⓞ 2 Ⓢ B

Coral



Ⓧ 2 Ⓞ 2 Ⓢ B

Light Salmon

Dark Fuchsia



Ⓟ 3 Ⓢ 2 Ⓢ B

Pink+Eye



Ⓟ 3 Ⓢ 2 Ⓢ B

Dark Red



Ⓟ 2 Ⓢ 3 Ⓢ A

Lavender



Ⓟ 3 Ⓢ 2 Ⓢ B

Red



Ⓟ 3 Ⓢ 2 Ⓢ A

Cranberry Blush



Ⓟ 3 Ⓢ 2 Ⓢ A

Pink



Ⓟ 3 Ⓢ 2 Ⓢ B

Dark Fuchsia



Ⓟ 3 Ⓢ 2 Ⓢ B

Raspberry Blush



Ⓟ 2 Ⓢ 2 Ⓢ B

Light Pink+Eye



Ⓟ 2 Ⓢ 2 Ⓢ B

Scarlet Red



Ⓟ 3 Ⓢ 2 Ⓢ A

White

Sunrise™ Zonal Geranium

Pelargonium x hortorum

This large-flowered series features early blooms on a green leaf, medium vigor plant, great for bench runs! With a super color range and upright habit, Sunrise is perfect for your larger basket and gallon container programs.

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



Orange



Ⓟ 2 Ⓞ 2 Ⓢ B

Pink+Big Eye 20



Ⓟ 2 Ⓞ 2 Ⓢ A

Red



Ⓟ 1 Ⓞ 2 Ⓢ B

Brilliant Red



Ⓟ 3 Ⓞ 2 Ⓢ B

Raspberry Eye



Ⓟ 3 Ⓞ 2 Ⓢ B

Fuchsia



Ⓟ 3 Ⓞ 2 Ⓢ B

Light Salmon



Ⓟ 2 Ⓞ 2 Ⓢ B

Hot Pink



Ⓟ 3 Ⓢ 2 Ⓢ B

Light Pink



Ⓟ 3 Ⓢ 2 Ⓢ B

Orange



Ⓟ 3 Ⓢ 2 Ⓢ B

Hot Rose+Eye



Ⓟ 2 Ⓢ 2 Ⓢ A

Bright Scarlet



Ⓟ 3 Ⓢ 2 Ⓢ A

Salmon



Ⓟ 2 Ⓢ 2 Ⓢ A

Bright Lilac



Ⓟ 3 Ⓢ 2 Ⓢ B

Dark Red



Ⓟ 2 Ⓢ 2 Ⓢ B

Salmon+Red Eye



Ⓟ 2 Ⓢ 2 Ⓢ B

Lavender+Red Eye



Ⓟ 4 Ⓢ 1 Ⓢ B

Violet



Ⓟ 3 Ⓢ 2 Ⓢ B

White



Ⓟ 2 Ⓢ 2 Ⓢ A

White+Eye

Royal™ Ivy Geranium

Pelargonium peltatum

Early flowering makes for quick turns, and excellent oedema resistance results in clean foliage at retail. Medium, well-branched, vigorous plants have semi-trailing habits for terrific baskets.

Height: 10 to 12 in. (25 to 30 cm)
Spread: 14 to 18 in. (36 to 46 cm)



Amethyst



Blue



Lavender



Ⓟ 3 Ⓢ 2 Ⓢ B

Brilliant Red



Ⓟ 2 Ⓢ 2 Ⓢ B

Candy Cane®



Ⓟ 3 Ⓢ 2 Ⓢ B

Dark Burgundy



Ⓟ 4 Ⓢ 2 Ⓢ B

Dark Red



Ⓟ 3 Ⓢ 2 Ⓢ B

Lavender



Ⓟ 3 Ⓢ 2 Ⓢ B

Light Pink



Ⓟ 3 Ⓢ 2 Ⓢ B

Pink



Ⓟ 3 Ⓢ 2 Ⓢ B

Purple Red



Ⓟ 3 Ⓢ 2 Ⓢ B

Salmon



Ⓟ 3 Ⓢ 2 Ⓢ A

Scarlet Red



Ⓟ 3 Ⓢ 2 Ⓢ B

Sweet Candy



Ⓟ 3 Ⓢ 2 Ⓢ B

White

Glacier White Ivy Geranium

Pelargonium peltatum

Popular Glacier White is back in our lineup! This single-flowered ivy geranium offers 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)



⓪ 4 Ⓜ 2 Ⓢ B

Glacier White



Piccadilly™ Diascia

Diascia cultivars

Extended color range in an early-flowering series. Compact plants have large flowers that make a lovely display on short stems. Offers best performance in cool weather.

Height: 7 to 9 in. (18 to 23 cm)
Spread: 8 to 10 in. (20 to 25 cm)



Ⓟ 3 Ⓢ 1 Ⓜ B

Dark Salmon



Ⓟ 3 Ⓢ 2 Ⓜ B

Denim Blue



Ⓟ 3 Ⓢ 1 Ⓜ B

Dark Orange



Ⓟ 3 Ⓢ 1 Ⓜ B

Dark Red



Ⓟ 3 Ⓢ 1 Ⓜ B

Pink



Ⓟ 3 Ⓢ 1 Ⓜ B

White



Ⓟ 3 Ⓢ 1 Ⓜ B

Appleblossom



NEW Trixi Flamingo Feather 20 featuring
Big Falls Pearl Bacopa
Piccadilly Dark Salmon Diascia
Daisy Falls Purple Osteospermum
See page 4 for Trixi mixes.

NEW Silver Ribbon Helichrysum

Helichrysum italicum

A new helichrysum for the Selecta One line! It has a completely new habit and texture of helichrysum compared to Silver Threads or any other variety on the market. Silver Ribbon has flat, needle-like foliage and an upright, vigorous habit, and is selected for shippability and propagation success. Plus, this variety provides a sweet fragrance on the retail shelf and in the home garden.

Height: 12 to 14 in. (30 to 36 cm)
Spread: 10 to 12 in. (25 to 30 cm)
USDA Hardiness Zone: 7a to 7b



Ⓟ 4 Ⓟ 3 Ⓢ A

Silver Ribbon

NEW Silver Stitch Helichrysum

Helichrysum italicum

Another new helichrysum addition to the Selecta One offering! It has a completely new habit and texture of helichrysum compared to Silver Threads or any other variety on the market. Silver Stitch has small, round, needle-like foliage and a compact, mounding habit, so it will not overgrow in the garden or container. Grow this helichrysum as an easier-to-manage replacement for calocephalus. Plus, it is drought tolerant and stays full.

Height: 8 to 14 in. (20 to 36 cm)
Spread: 6 to 14 in. (15 to 36 cm)
USDA Hardiness Zone: 7a to 7b



Ⓟ 1 Ⓟ 3 Ⓢ A

Silver Stitch

Silver Threads Helichrysum

Helichrysum italicum

Features a nice spread and good branching, making it excellent for combinations. Medium-sized, flat, needle-like foliage has a soft, silvery color. A top choice in helichrysum, with an interesting foliage shape and super garden performance.

Height: 10 to 12 in. (25 to 30 cm)
Spread: 8 to 12 in. (20 to 30 cm)
USDA Hardiness Zone: 7a to 7b



Ⓟ 3 Ⓟ 3 Ⓢ A

Silver Threads

Variegata Glechoma

Glechoma hederacea

Creeping Charlie is an attractive, variegated vining perennial. It's an excellent component in mixed containers, but also works well as a ground cover.

Height: 4 to 6 in. (10 to 15 cm)
Spread: 10 to 12 in. (25 to 30 cm)
USDA Hardiness Zone: 4b to 9a



Ⓟ 5 Ⓞ 3 Ⓢ B

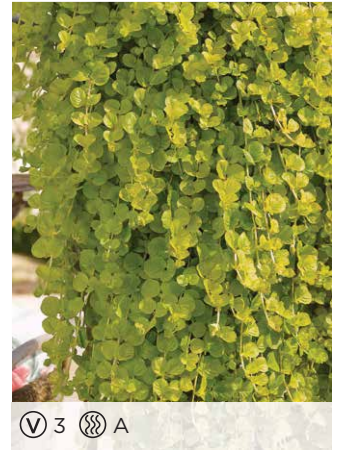
Variegata Glechoma

Goldilocks Lysimachia

Lysimachia nummularia

Low-care, trailing plant has lime green leaves that turn iridescent in the sun. Self-cleaning. Recommended for use in mixed containers. Temperate perennial.

Height: 2 to 4 in. (5 to 10 cm)
Spread: 12 in. (30 cm)
USDA Hardiness Zone: 3a to 10b



Ⓟ 3 Ⓢ A

Goldilocks Lysimachia

Marino™ Heliotrope

Heliotropium arborescens

Superbly scented! Selected for easy shipping of unrooted and rooted cuttings, these easy-to-grow varieties have an upright habit.

Height: 10 to 14 in. (25 to 36 cm)
Spread: 12 to 18 in. (30 to 46 cm)



Ⓟ 2 Ⓞ 1 Ⓢ A

Marino Blue Heliotrope



Ⓟ 2 Ⓞ 2 Ⓢ A

Marino White Heliotrope

Silver Threads Helichrysum



ImPower™ New Guinea Impatiens

Impatiens hawkeri

Fast-to-finish and highly programmable – for quick-turn success!

This fast-to-finish, highly programmable New Guinea ensures quick-turn success. Uniform series has all colors flowering within one week. By choosing ImPower, growers can reliably produce high-density pots and packs that will consistently flower early and deliver superior show. Plus, this series includes a full range of exciting solids and bicolors on large blooms. Best in small containers.

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

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



Red Flame



Ⓥ 2 Ⓞ 1 Ⓜ B

Lavender
(green foliage)



Ⓥ 3 Ⓞ 1 Ⓜ B

Orange
(green foliage)



Ⓥ 3 Ⓞ 1 Ⓜ B

Purple Blue
(green foliage)



Ⓥ 2 Ⓞ 1 Ⓜ B

Red Flame
(green foliage)



Ⓥ 3 Ⓞ 1 Ⓜ B

Salmon
(green foliage)



Ⓥ 3 Ⓞ 1 Ⓜ B

Violet
(green foliage)



Ⓥ 2 Ⓞ 1 Ⓜ B

White
(green foliage)



Ⓥ 2 Ⓞ 1 Ⓜ B

Dark Red
(dark green foliage)



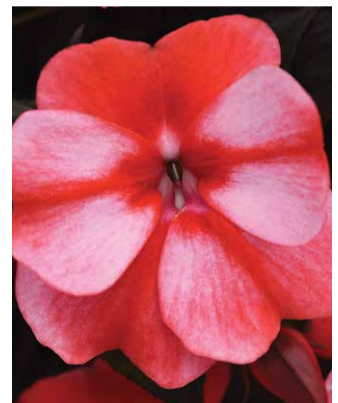
Ⓥ 3 Ⓞ 1 Ⓜ B

Electric Purple
(dark green foliage)



Ⓥ 3 Ⓞ 1 Ⓜ B

White Pink Eye
(dark green foliage)



Ⓥ 2 Ⓞ 1 Ⓜ B

White Red Flame
(dark green foliage)

ColorPower™ New Guinea Impatiens

Impatiens hawkeri

Count on ColorPower for a great range of colors, including bright novelties. Outstanding habit and flower presentation, in large pots and baskets with big, vibrant blooms that light up the shade.

Height: 8 to 10 in. (20 to 25 cm)
Spread: 10 to 12 in. (25 to 30 cm)

NO PINCH



Ⓥ 2 Ⓞ 2 Ⓢ B

Cerise Frost
(green foliage)



Ⓥ 3 Ⓞ 2 Ⓢ B

Dark Pink
(green foliage)



Ⓥ 2 Ⓞ 2 Ⓢ B

Magenta Frost
(green foliage)



Ⓥ 2 Ⓞ 2 Ⓢ B

Orchid
(green foliage)



Ⓥ 2 Ⓞ 2 Ⓢ B

Purple Blue
(green foliage)



Ⓥ 3 Ⓞ 3 Ⓢ B

Red Flame
(green foliage)



Ⓥ 3 Ⓞ 2 Ⓢ B

Rose
(green foliage)



Ⓥ 3 Ⓞ 2 Ⓢ A

Salmon Pink
(green foliage)



Ⓥ 3 Ⓞ 2 Ⓢ B

Violet
(green foliage)



Ⓥ 3 Ⓞ 2 Ⓢ B

White
(green foliage)



Ⓥ 3 Ⓞ 2 Ⓢ B

Coral Flame
(dark green foliage)



Ⓥ 3 Ⓞ 2 Ⓢ B

Dark Pink Flame
(dark green foliage)



Ⓥ 2 Ⓞ 2 Ⓢ B

Dark Red
(dark green foliage)



Ⓥ 3 Ⓞ 3 Ⓢ B

Lavender Flame
(dark green foliage)



Ⓥ 2 Ⓞ 2 Ⓢ B

Light Pink+Eye
(dark green foliage)



Ⓥ 3 Ⓞ 3 Ⓢ B

Orange Flame
(dark green foliage)



Ⓥ 2 Ⓞ 2 Ⓢ B

Orchid Flame
(dark green foliage)



Ⓥ 3 Ⓞ 2 Ⓢ B

White Red Flame
(dark green foliage)

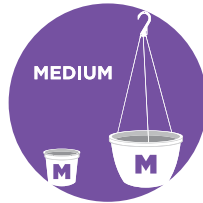
Bounce™ Interspecific Impatiens

Impatiens hawkeri

Best for the shade, Bounce boasts plenty of color and excellent garden performance. Great branching, low maintenance and fast flowering, Bounce offers proven performance in shade and heat, plus downy mildew resistance.

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

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



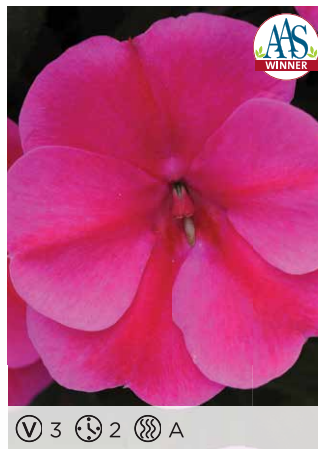
☑ 3 ☹ 2 ☹ A

Bright Coral



☑ 3 ☹ 2 ☹ A

Cherry



☑ 3 ☹ 2 ☹ A

Pink Flame



☑ 3 ☹ 2 ☹ A

Violet



☑ 3 ☹ 2 ☹ A

White

Bright Coral and Violet

Big Bounce™ Interspecific Impatiens

Impatiens hawkeri

Like Bounce, only bigger!
Vigorous series is ideal for landscape use.

Height: 20 to 30 in. (51 to 76 cm)
Spread: 20 to 36 in. (51 to 91 cm)



Ⓟ 4 Ⓞ 2 Ⓢ A

Cherry



Ⓟ 4 Ⓞ 2 Ⓢ A

Lavender



Ⓟ 4 Ⓞ 2 Ⓢ A

Lavender Flame



Ⓟ 4 Ⓞ 2 Ⓢ A

Lilac



Ⓟ 4 Ⓞ 2 Ⓢ A

Pink



Ⓟ 4 Ⓞ 2 Ⓢ A

White



Ⓟ 4 Ⓞ 2 Ⓢ A

Red



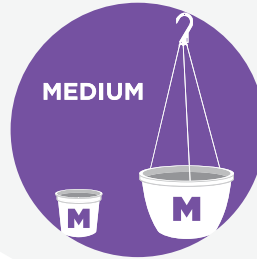
Cherry

Lobelia

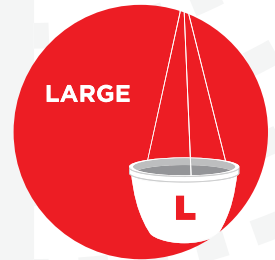
Known for its heat tolerance, the entire Magadi™ family brings variety to the lobelia class. Whether you are looking for a densely branched option to fill compact pots or a vigorous, trailing variety ideal for large hanging baskets, let Selecta One be your number one source for lobelia.



Magadi™ Compact
page 68



Magadi™
page 67



Magadi™ Basket
page 69



Magadi Basket
White



Magadi
Electric Purple



Magadi Compact
Blue

Magadi™ Lobelia

Lobelia cultivars

The entire Magadi line is known for its heat tolerance. The nice mounding of Magadi works well in pots or the landscape. Best for 1-gallon and patio pots.

Height: 6 to 10 in. (15 to 25 cm)
Spread: 8 to 12 in. (20 to 30 cm)



Ⓟ 3 Ⓢ 3 Ⓢ A

Blue



Ⓟ 3 Ⓢ 2 Ⓢ A

Dark Blue



Ⓟ 3 Ⓢ 2 Ⓢ A

Electric Blue



Ⓟ 3 Ⓢ 2 Ⓢ A

Electric Purple



Ⓟ 2 Ⓢ 2 Ⓢ A

White



Electric Purple

Magadi™ Compact Lobelia

Lobelia cultivars

Upright and densely branched, "Compact" lives up to its name. Ideal for quarts and 4.5-in. (11-cm) pots.

Height: 6 to 10 in. (15 to 25 cm)
Spread: 8 to 12 in. (20 to 30 cm)

HD



Ⓟ 2 Ⓢ 2 Ⓢ B

Blue



Ⓟ 2 Ⓢ 2 Ⓢ B

Blue+Eye



Ⓟ 2 Ⓢ 2 Ⓢ B

Purple



Ⓟ 2 Ⓢ 2 Ⓢ A

Dark Blue



Ⓟ 2 Ⓢ 2 Ⓢ B

White

Blue

Magadi™ Basket Lobelia

Lobelia cultivars

Vigorous and floriferous varieties feature lovely trailing blooms. Best for 12 to 14-in. (30 to 36-cm) baskets.

Height: 6 to 10 in. (15 to 25 cm)
Spread: 8 to 12 in. (20 to 30 cm)



Ⓟ 4 Ⓜ 2 Ⓢ B

Dark Blue



Ⓟ 2 Ⓜ 2 Ⓢ B

Dark Purple



Ⓟ 3 Ⓜ 3 Ⓢ B

White



White

NEW Featherlight Lobularia

Lobularia maritima

A good variety of lobularia that offers a shippable cutting for use in different sizes of containers. This is a great choice for growers, allowing them to tailor their needs for large containers and single-species baskets. Provides a sweet fragrance on the retail shelf and in the home garden.

Height: 4 to 6 in. (10 to 15 cm)
Spread: 12 to 16 in. (30 to 41 cm)



Ⓟ 4 Ⓜ 1 Ⓢ B

Featherlight White Lobularia

Dundee Mandevilla

Mandevilla sanderi

These very strong plants with vivid, non-fading flowers are available as unrooted or callused cuttings. With Dundee, growers can produce mandevilla cost-effectively and with different production options, providing top-performing, intensely colored plants.

Height: 24 to 48 in. (61 to 122 cm)
Spread: 8 to 12 in. (20 to 30 cm)



Ⓟ 3 Ⓜ 2 Ⓢ A

Dundee Pink Mandevilla



Ⓟ 4 Ⓜ 2 Ⓢ A

Dundee Red Mandevilla

Dundee Red Mandevilla

NEW Magnetica Mandevilla

Mandevilla sanderi

A new mandevilla series for the Selecta One assortment! Comes in two colors, Pink and Dark Red. Magnetica provides a more vigorous and climbing habit with larger, non-fading blooms compared to Dundee.

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

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



Ⓟ 4 ☺ 2 Ⓢ A

Magnetica Dark Red Mandevilla



Ⓟ 4 ☺ 2 Ⓢ A

Magnetica Pink Mandevilla

Magnetica Dark Red Mandevilla

Lara™ Nierembergia

Nierembergia caerulea

Compact, early-blooming Lara makes easy, attractive patio pots.

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

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



Ⓟ 3 ☺ 2 Ⓢ A

Lara Dark Blue Nierembergia



Ⓟ 2 ☺ 3 Ⓢ A

Lara White Nierembergia

Daisy Falls™ Osteospermum

Osteospermum ecklonis

Perfect for early-Spring baskets! Daisy Falls is a breakthrough series that grows and blooms with traditional osteospermum on a more vigorous, trailing frame. Ideally suited for combos as well as single-variety applications. Continues to perform longer into the season. Will tolerate inclement early-Spring conditions with excellent shippability and shelf life at retail.

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

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



Ⓟ 4 Ⓞ 2 Ⓢ A

Pink



Ⓟ 4 Ⓞ 2 Ⓢ A

Purple



Ⓟ 4 Ⓞ 2 Ⓢ A

White Amethyst



Trixi Daisy Dance

featuring

MiniFamous Neo Orange+Red Eye Calibrachoa

Daisy Falls Purple Osteospermum

Lascar Mango Orange Verbena

See page 4 for Trixi mixes.

4D™ Osteospermum

Osteospermum hybrid

The next dimension in double osteos! 4D stays open 24/7 like its predecessor 3D, with improved branching for masses of blooms and better series uniformity. You can easily grow 4D right alongside your other osteos for an early-season lineup that's sure to be successful.

Height: 8 to 12 in. (20 to 30 cm)
Spread: 12 to 16 in. (30 to 41 cm)



Harvest Moon



Violet Ice 20



Berry White



Dark Violet+White



Lemon Ice



Pink



Purple



Sunburst



Berry White

Zion™ Osteospermum

Osteospermum ecklonis

Inspired by the colors of Zion National Park in Utah, this series features distinctive, novel colors. Large flowers on plants with excellent branching and full, mounded habits have great consumer appeal. Available as callused cuttings.

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

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



Pure Yellow



Ⓟ 3 Ⓢ 2 Ⓢ A

Morning Sun



Ⓟ 3 Ⓢ 1 Ⓢ B

Magic Yellow



Ⓟ 3 Ⓢ 2 Ⓢ C

Copper Amethyst



Ⓟ 3 Ⓢ 1 Ⓢ B

Blue Denim



Ⓟ 3 Ⓢ 3 Ⓢ B

Pure Yellow



Ⓟ 3 Ⓢ 1 Ⓢ B

Red



Purple Sun

Purple Sun has been honored with the FleuroStar Award by Fleuroselect.

Part of the Zion series, Purple Sun has a natural medium vigor with superior branching that controls the habit. Plus, it features vibrant colors with several shades of orange that transition into a deep purple ring that surrounds the heart of the flower.



NEW Purple Sun

FlowerPower™ Osteospermum

Osteospermum ecklonis

FlowerPower has been upgraded for larger flowers and well-tested for cool growing and low-energy production, with no cold treatment required for flower development. This #1 series in Europe wows the North American market with its excellent branching, upright habit and brilliant colors. Available as callused cuttings.

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

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



Ⓟ 4 Ⓢ 2 Ⓢ C

Purple Red



Ⓟ 3 Ⓢ 2 Ⓢ B

White 20



NEW White 20

FlowerPower™ Spider Osteospermum

Osteospermum ecklonis

These unique and attractive flower shapes fit perfectly with the FlowerPower series. Nice upright habit. Available as callused cuttings.

Height: 10 to 14 in. (25 to 36 cm)
Spread: 14 to 20 in. (36 to 51 cm)



Ⓟ 2 Ⓢ 1 Ⓜ B

Spider Pink



Ⓟ 3 Ⓢ 2 Ⓜ B

Spider Purple



Ⓟ 2 Ⓢ 1 Ⓜ B

Spider White

FlowerPower™ Compact Osteospermum

Osteospermum ecklonis

This series features brilliant colors, medium, easy-to-control vigor and excellent branching. Uniform and early-flowering, this osteo has a more mounded habit that's great for high-density production and baskets. Available as callused cuttings.

Height: 8 to 12 in. (20 to 30 cm)
Spread: 12 to 18 in. (30 to 46 cm)

HD



Ⓟ 2 Ⓢ 1 Ⓜ C

Compact White



Ⓟ 2 Ⓢ 1 Ⓜ B

Compact Yellow 20



Ⓟ 2 Ⓢ 1 Ⓜ B

Compact Light Pink



Ⓟ 2 Ⓢ 1 Ⓜ B

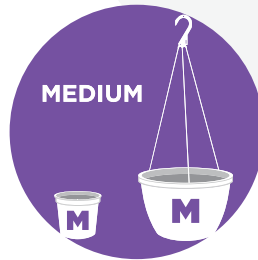
Compact Purple

Petunia

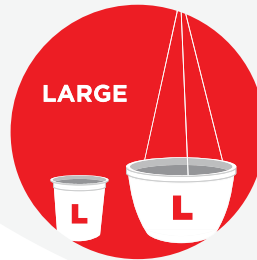
You can count on Selecta One for top-quality petunias in all of the unique patterns, like stars, swirls and flecks of white, plus the halo pattern in varieties like NEW Headliner™ Dark Saturn. They are guaranteed to create a galactic splash at retail!



Starlet™
page 80



Headliner™
page 82



Main Stage™
page 86



SweetSunshine™
page 85



Main Stage
Pink



Headliner
Night Sky[®]



Headliner
Banana Cherry Swirl



Starlet
Salmon Red Vein

Starlet™ Petunia

Petunia cultivars

As grower-friendly as it gets! Compact and controlled, with well-matched timing, vigor and habit. Early to flower and fast to finish, this one's at home in small pots, baskets and combos.

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 to 20 in. (30 to 51 cm)



Velvet 20



Red



Salmon Red Vein



Ⓥ 2 Ⓢ 1 Ⓜ B

Blue



Ⓥ 2 Ⓢ 2 Ⓜ B

Burgundy



Ⓥ 2 Ⓢ 2 Ⓜ B

Dark Pink



Ⓥ 3 Ⓢ 2 Ⓜ B

Lavender Star



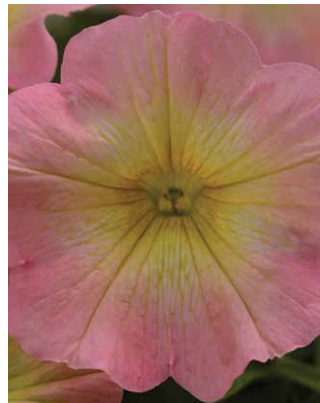
Ⓥ 2 Ⓢ 2 Ⓜ B

Magenta



Ⓥ 3 Ⓢ 1 Ⓜ B

Magenta Star



Ⓥ 2 Ⓢ 2 Ⓜ B

Pink Lemonade



Ⓥ 1 Ⓢ 1 Ⓜ B

Pinot Red



Ⓥ 1 Ⓢ 1 Ⓜ B

Purple Star



Ⓥ 2 Ⓢ 2 Ⓜ B

Salmon Red Vein



Ⓥ 2 Ⓢ 1 Ⓜ B

White



Ⓥ 2 Ⓢ 2 Ⓜ B

Yellow

Headliner™ Petunia

Petunia cultivars

Headliner is quickly becoming growers' first choice. This mounded petunia boasts early flowering for a fast finish and a dramatic color range. The result: eye-catching finished baskets and pots with large blooms!

Height: 10 to 16 in. (25 to 41 cm)
Spread: 20 to 30 in. (51 to 76 cm)



Night Sky®



Lipstick



Ⓥ 2 Ⓞ 2 Ⓢ B

Lipstick



Ⓥ 3 Ⓞ 3 Ⓢ B

Dark Violet Picotee



Ⓥ 3 Ⓞ 2 Ⓢ B

Dark Saturn



Ⓥ 2 Ⓞ 2 Ⓢ B

Pink Sky



Ⓥ 2 Ⓞ 2 Ⓢ B

Starry Sky Burgundy



Ⓥ 4 Ⓞ 2 Ⓢ B

Night Sky®



Pink Sky



Ⓥ 3 Ⓞ 2 Ⓢ B

Banana Cherry Swirl



Ⓥ 3 Ⓞ 2 Ⓢ B

Blueberry Swirl



Ⓥ 3 Ⓞ 2 Ⓢ B

Raspberry Swirl

Headliner™ continues on page 84

Headliner™ Petunia *Continued*



Ⓟ 3 Ⓢ 2 Ⓢ B

Pink Vein



Ⓟ 3 Ⓢ 2 Ⓢ B

White Rose Vein



Ⓟ 3 Ⓢ 3 Ⓢ B

Raspberry Star



Ⓟ 2 Ⓢ 2 Ⓢ B

Red Star



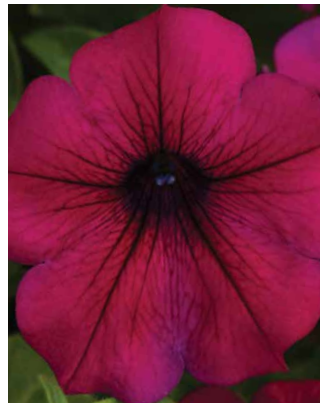
Ⓟ 4 Ⓢ 2 Ⓢ A

Rose Star



Ⓟ 2 Ⓢ 2 Ⓢ B

Blue



Ⓟ 3 Ⓢ 2 Ⓢ B

Electric Purple



Ⓟ 3 Ⓢ 2 Ⓢ B

Red



Ⓟ 3 Ⓢ 3 Ⓢ B

Sky Blue



Ⓟ 3 Ⓢ 2 Ⓢ B

White



Ⓟ 3 Ⓢ 2 Ⓢ B

Yellow

SweetSunshine™ Petunia

Petunia cultivars

Durable, fully double blooms stand up to tough weather. Well-branched, medium-vigor plants have a semi-trailing habit that looks great in hanging baskets. Series offers a range of unique colors in this popular flower form.

Height: 10 to 16 in. (25 to 41 cm)
Spread: 20 to 30 in. (51 to 76 cm)



Ⓥ 2 Ⓞ 2 Ⓢ B

Burgundy



Ⓥ 2 Ⓞ 2 Ⓢ B

Honeydew



Ⓥ 3 Ⓞ 2 Ⓢ B

Light Pink



Ⓥ 3 Ⓞ 2 Ⓢ A

Magenta



Ⓥ 2 Ⓞ 2 Ⓢ B

Provence



Ⓥ 4 Ⓞ 3 Ⓢ B

Purple Picotee



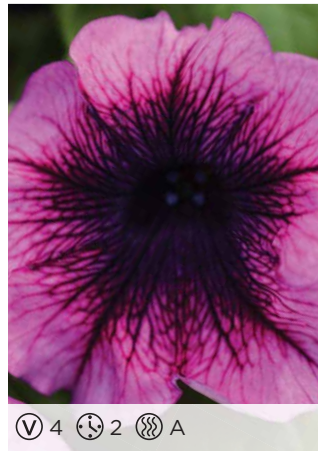
Light Pink

Main Stage™ Petunia

Petunia cultivars

Our most vigorous petunia line! The eye-catching colors in the Main Stage series will boost retail sales and attract customers to endcaps of trailing, full hanging baskets. Perfect for balconies.

Height: 12 to 16 in. (30 to 41 cm)
Spread: 24 to 36 in. (61 to 91 cm)



Ⓟ 4 Ⓢ 2 Ⓢ A

Blueberry



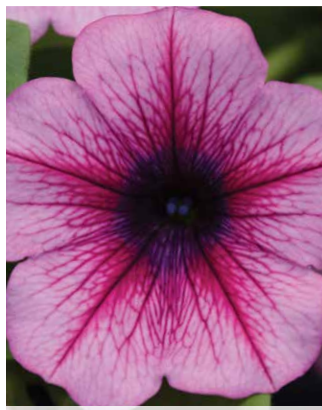
Ⓟ 3 Ⓢ 2 Ⓢ A

Hot Pink



Ⓟ 4 Ⓢ 2 Ⓢ A

Pink



Ⓟ 4 Ⓢ 1 Ⓢ A

Pink Vein



Ⓟ 4 Ⓢ 2 Ⓢ A

Violet



Ⓟ 5 Ⓢ 2 Ⓢ A

Purple



Ⓟ 3 Ⓢ 2 Ⓢ A

Red



Ⓟ 5 Ⓢ 2 Ⓢ A

Violet Picotee



Ⓟ 4 Ⓢ 3 Ⓢ A

White

NEW Senetti® Pericallis/Cineraria

Senecio x hybrida

The low-maintenance Senetti series is a great addition to early Spring assortments, thriving in cool temperatures. This durable pericallis will hold up at retail and offers fast sell-through. Plus, it fills a larger pot size than many other early Spring crops. Heads will turn at retail with masses of vivid blooms above rounded, compact foliage. Senetti offers superior garden performance, with strong stems, excellent vigor and the ability to withstand a range of weather conditions.

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

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



Ⓟ 3 Ⓢ 1 Ⓢ C

Blue Bicolor 20



Ⓟ 3 Ⓢ 2 Ⓢ C

Deep Blue

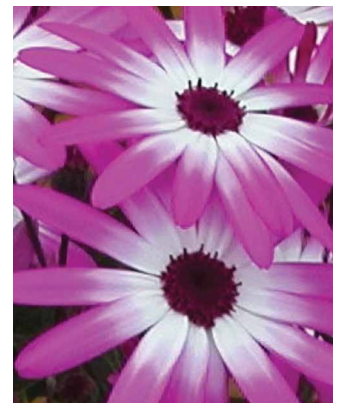


Blue Bicolor 20



Ⓟ 3 Ⓢ 2 Ⓢ C

Magenta



Ⓟ 3 Ⓢ 1 Ⓢ C

Magenta Bicolor



Ⓟ 3 Ⓢ 1 Ⓢ C

Pink Bicolor



Ⓟ 3 Ⓢ 1 Ⓢ C

Violet Bicolor

Gisele[®] Phlox

Phlox cultivars

Bred for reliable rooting, heat tolerance and large, attractive flower clusters. Trialed all over North America, Gisele is a top performer across all areas. Great in gardens, continuously producing colorful blooms.

Height: 10 to 12 in. (25 to 30 cm)
Spread: 14 to 18 in. (36 to 46 cm)



Ⓟ 3 Ⓢ 2 Ⓢ A

Hot Pink



NEW Trixi You PINKed
My Interest
 featuring
 Gisele Hot Pink, Pink
 and White Phlox
 See page 4 for Trixi mixes.



Ⓥ 2 Ⓞ 2 Ⓢ A

Light Pink



Ⓥ 3 Ⓞ 2 Ⓢ A

Light Violet



Ⓥ 3 Ⓞ 2 Ⓢ A

Pink



Ⓥ 2 Ⓞ 2 Ⓢ A

White



Hot Pink

Skyscraper™ Salvia

Salvia cultivars

This tender perennial extends your shipping and selling season, and is great for late-Spring to Fall sales! It features large blooms that last longer and better branching than seed salvia, as well as a nice medium-vigor, rounded habit. Sturdy stems are ideal for shipping and for hold at retail.

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

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

USDA Hardiness Zone: 7b



Orange



Pink



Orange



Dark Purple



Dark Purple, Orange and Pink

Fairy™ Scaevola

Scaevola aemula

Well-branched, trailing plants have outstanding outdoor performance.

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

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



Ⓟ 3 Ⓢ 3 Ⓢ A

Blue



Ⓟ 4 Ⓢ 3 Ⓢ A

Pink



Ⓟ 4 Ⓢ 3 Ⓢ A

White



Trixi Fairy
featuring
Fairy Blue, Pink and White Scaevola
See page 4 for Trixi mixes.

PortoGrande™ Portulaca

Portulaca oleracea

These vibrant, large blooms thrive in hot and arid conditions. Use these plants with full trailing habits in landscapes, baskets and mixed containers.

Height: 4 to 8 in. (10 to 20 cm)
Spread: 14 to 16 in. (36 to 41 cm)



Ⓟ 4 Ⓟ 3 Ⓟ A

PortoGrande Magenta
Portulaca



Ⓟ 3 Ⓟ 2 Ⓟ A

PortoGrande Orange
Portulaca



Ⓟ 3 Ⓟ 2 Ⓟ A

PortoGrande Raspberry
Lemonade Portulaca



Ⓟ 3 Ⓟ 2 Ⓟ A

PortoGrande Scarlet
Portulaca



Ⓟ 4 Ⓟ 3 Ⓟ A

PortoGrande White
Portulaca



Ⓟ 3 Ⓟ 2 Ⓟ A

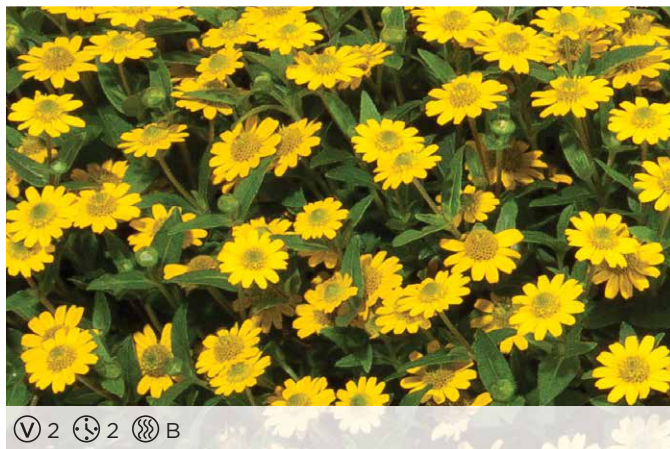
PortoGrande Yellow
Portulaca

Tsavo™ Sanvitalia

Sanvitalia procumbens

Early-season, bright color is offset by dark foliage. Tidy, mounded habit works beautifully in small pots. Compact Yellow features an intense yellow color.

Height: 8 to 10 in. (20 to 25 cm)
Spread: 10 to 12 in. (25 to 30 cm)



Ⓟ 2 Ⓟ 2 Ⓟ B

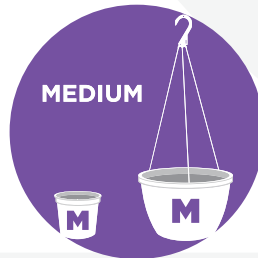
Tsavo Compact Yellow
Sanvitalia

Verbena

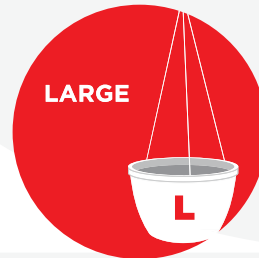
Selecta One has something for everyone, with four verbena series featuring sensational patterns and season-long performance. One newcomer that is sure to turn heads at retail and in the garden is NEW Lascar™ Vampire, featuring a bold red color and a distinct dark eye that changes to blue in low light conditions. From basket favorites to landscape lovers, we provide the simplest solution: just choose your post size and start growing.



Pops™
page 95



Lascar™
page 96



Blues™
page 98



BeBop™
page 97



Lascar
Dark Violet, Burgundy
and Magenta

Pops
Pink+Eye

Blues
Lavender+Eye,
Light Pink+Eye and
Neon

Pops™ Verbena

Verbena cultivars

With its compact habit, Pops is tops for pot-tight production and holds well at retail. Pops mounds and spreads in the landscape better than comparable types - resists powdery mildew, too.

Height: 8 to 10 in. (20 to 25 cm)
Spread: 12 to 14 in. (30 to 36 cm)



HD



Ⓟ 2 Ⓢ 2 Ⓢ A

Dark Red



Ⓟ 2 Ⓢ 2 Ⓢ A

Pink



Ⓟ 3 Ⓢ 2 Ⓢ A

Pink+Eye



Ⓟ 2 Ⓢ 2 Ⓢ A

Pink+Red Eye



Ⓟ 2 Ⓢ 1 Ⓢ A

Salmon+Red Eye



Ⓟ 2 Ⓢ 2 Ⓢ A

White



Salmon+Red Eye

Lascar™ Verbena

Verbena cultivars

Excellent color range in a uniform, reliable series. Early-flowering with a mounded habit and medium vigor, Lascar varieties have full centers and make fantastic mixed containers, pots, gallons or mono baskets.

Height: 12 to 14 in. (30 to 36 cm)
Spread: 12 to 16 in. (30 to 41 cm)



NEW

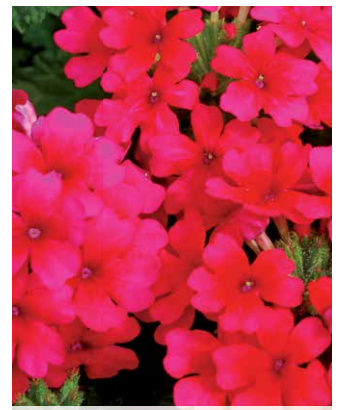
Ⓟ 2 ☹ 2 ☹ A

Lascar Vampire



Ⓟ 3 ☹ 2 ☹ A

Lascar Black Velvet



Ⓟ 2 ☹ 3 ☹ B

Lascar Hot Rose



Trixi Prime Time

featuring
 Namid Special Yellow Bidens
 Lascar Dark Red Verbena
 Lascar Dark Violet Verbena
 See page 4 for Trixi mixes.



Ⓥ 3 Ⓞ 2 Ⓢ A

Lascar Red Rose



Ⓥ 3 Ⓞ 2 Ⓢ A

Lascar Dark Violet



Ⓥ 2 Ⓞ 2 Ⓢ A

Lascar Burgundy



Ⓥ 3 Ⓞ 2 Ⓢ A

Lascar Mango Orange



Ⓥ 2 Ⓞ 2 Ⓢ A

Lascar Salmon



Ⓥ 2 Ⓞ 2 Ⓢ A

Lascar Pink



Ⓥ 2 Ⓞ 2 Ⓢ A

Lascar Dark Red



Ⓥ 2 Ⓞ 3 Ⓢ B

Lascar White

BeBop™ Verbena

Verbena cultivars

Bright, exciting flower patterns and colors on semi-upright plants. Great branching and center-fill show beautifully in medium mono pots or baskets. Delivers superior season-long color and performance.

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

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



Medium
Pot & Basket



Ⓥ 2 Ⓞ 2 Ⓢ A

BeBop Lavender



Ⓥ 2 Ⓞ 2 Ⓢ A

BeBop Pink

Blues™ Verbena

Verbena cultivars

With its medium vigor, semi-upright habit and excellent branching, Blues is perfect for mixed containers. Big flowers go straight to the top without overpowering other combo components. Great powdery mildew resistance, too.

Height: 10 to 12 in. (25 to 30 cm)
Spread: 12 to 18 in. (30 to 46 cm)



Ⓟ 2 Ⓢ 1 Ⓜ A

Lavender+Eye



Ⓟ 3 Ⓢ 2 Ⓜ A

White 20



Ⓟ 3 Ⓢ 2 Ⓜ A

Magenta+Eye



Ⓟ 2 Ⓢ 1 Ⓜ A

Neon



Ⓟ 3 Ⓢ 2 Ⓜ A

Purple+Eye



Ⓟ 3 Ⓢ 2 Ⓜ A

Red



Ⓟ 3 Ⓢ 2 Ⓜ A

Rose+Eye



Ⓟ 3 Ⓢ 2 Ⓜ A

Violet+Eye



Ⓟ 3 Ⓢ 2 Ⓜ A

Light Pink+Eye

Perennials

selecta  [®]

Dianthus

Fulfill your carnation fixation this season with Selecta One's dianthus collection. From our hyper-uniform, compact pot carnations to our super durable, upright and spreading hardy perennial series, we have all the varieties you'll need, in the brilliant colors and bicolors you want. Just pick your pot size, and check out SelectaNorthAmerica.com for culture and scheduling information.

COMPACT



Pink Kisses™
page 102
Oscar®
page 103

MEDIUM



SuperTrouper™
page 104

POT CARNATION



Pink Kisses

Oscar
Cherry+Velvet

SuperTrouper
Magenta+White

MEDIUM



**EverLast™ (Upright)
Dianthus**
page 106

**Dianthalot™
(Spreading) Dianthus**
page 107

HARDY DIANTHUS



Dianthalot
Dark Red+Star

Everlast
Dark Pink

Pink Kisses™ Dianthus

Dianthus cultivars

"Grab and go" gift item gets the growing season off to a strong start, with tons of two-tone flowers that need no deadheading and keep looking great. Early-season pot crop is easy to grow and easier to sell.

Height: 12 to 16 in. (30 to 41 cm)
Spread: 10 to 14 in. (25 to 36 cm)
USDA Hardiness Zone: 5a



Ⓥ 2 Ⓞ 2 Ⓢ B

Pink Kisses



Oscar[®] Dianthus

Dianthus caryophyllus

This hyper-uniform pot carnation series boasts the best-branched habit on the market. Compact, double-bloomed Oscar puts on a strong, long-lasting show in small pots and in the garden.

Height: 8 to 10 in. (20 to 25 cm)
Spread: 6 to 10 in. (15 to 25 cm)
USDA Hardiness Zone: 6a



Ⓟ 2 Ⓢ 2 Ⓢ B

Cherry+Velvet



Ⓟ 2 Ⓢ 2 Ⓢ B

Dark Red



Ⓟ 2 Ⓢ 2 Ⓢ B

Pink



Ⓟ 2 Ⓢ 2 Ⓢ B

Pink+Purple



Ⓟ 2 Ⓢ 2 Ⓢ B

Purple Star



Ⓟ 2 Ⓢ 2 Ⓢ B

Salmon



Ⓟ 2 Ⓢ 2 Ⓢ B

Salmon+White



Ⓟ 2 Ⓢ 2 Ⓢ B

Scarlet



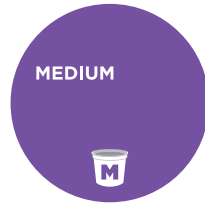
Cherry+Velvet

SuperTrouper™ Dianthus

Dianthus caryophyllus

A strong performer in pots and gardens, SuperTrouper has an upright habit, excellent color range and a wonderful fragrance.

Height: 10 to 14 in. (25 to 36 cm)
Spread: 10 to 12 in. (25 to 30 cm)
USDA Hardiness Zone: 6a



Ⓟ 3 Ⓜ 2 Ⓢ B

Butterfly Dark Red



Orange

Purple



Ⓥ 3 Ⓞ 2 Ⓢ B

Lavender+White



Ⓥ 3 Ⓞ 2 Ⓢ B

Lilac On Purple



Ⓥ 4 Ⓞ 2 Ⓢ B

Magenta+White



Ⓥ 3 Ⓞ 3 Ⓢ B

Orange



Ⓥ 3 Ⓞ 2 Ⓢ B

Pink+White



Ⓥ 3 Ⓞ 2 Ⓢ B

Purple



Ⓥ 3 Ⓞ 2 Ⓢ B

Red+White



Ⓥ 3 Ⓞ 3 Ⓢ B

Scarlet



Ⓥ 4 Ⓞ 2 Ⓢ B

Silver Pink



Ⓥ 3 Ⓞ 2 Ⓢ B

Velvet Red



Ⓥ 3 Ⓞ 2 Ⓢ B

Velvet+White



Ⓥ 3 Ⓞ 2 Ⓢ B

White

EverLast™ (Upright) Dianthus

Dianthus interspecific

EverLast offers an attractive upright habit and the most extensive color range in perennial dianthus. It blooms in early Spring and provides more days of brilliant, intoxicating color than any other perennial dianthus. A favorite of perennial gardeners, EverLast is tough as nails, with excellent performance in the roughest weather.

Height: 8 to 12 in. (20 to 30 cm)
Spread: 10 to 14 in. (25 to 36 cm)
USDA Hardiness Zone: 5a



Orchid



Lavender+Eye



Ⓟ 3 Ⓢ 3 Ⓜ B

Burgundy Blush



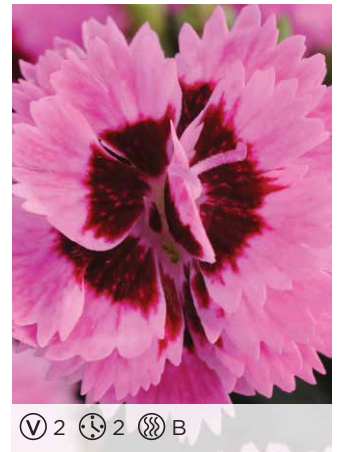
Ⓟ 3 Ⓢ 1 Ⓜ B

Dark Pink



Ⓟ 3 Ⓢ 2 Ⓜ B

Light Pink+Eye



Ⓟ 2 Ⓢ 2 Ⓜ B

Lilac+Eye



Ⓟ 3 Ⓢ 2 Ⓜ B

Orchid



Ⓟ 3 Ⓢ 2 Ⓜ B

Raspberry Cream



Ⓟ 3 Ⓢ 2 Ⓜ B

Red+Pink



Ⓟ 2 Ⓢ 2 Ⓜ B

White+Eye

Dianthalot™ (Spreading) Dianthus

Dianthus cultivars

Dianthalot is a super-tough spreading series that blooms in Spring. Its spreading habit blooms continuously all Summer long and overwinters. No vernalization is required. Dianthalot is an excellent fast crop perennial for Spring planting and is great for large pots.

Height: 8 to 12 in. (20 to 30 cm)
Spread: 14 to 20 in. (36 to 51 cm)
USDA Hardiness Zone: 5a



Dark Red+Star



Pink+Star



Pink+Star and Dark Red+Star



Pink+Star

Lido™ Delosperma

Delosperma cultivars

Colorful addition to your succulent program in a drought-tolerant flowering plant! This cost-effective, impressive flowering perennial has lower watering needs, and produces carpets of bright color for garden beds, landscapes and rock gardens that will grab attention from home gardeners at retail, increasing sell-through.

Height: 4 to 6 in. (10 to 15 cm)
Spread: 16 to 24 in. (41 to 61 cm)
USDA Hardiness Zone: 5b



Golden Yellow



Orange+Eye 20



Magenta



Pink



White



White

Belleza[®] Gaura

Gaura lindheimeri

Excellent branching with short flower stems. Belleza has an upright habit, with the exception of mounding Compact Light Pink. Great companion plant.

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

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

USDA Hardiness Zone: 6a to 9b



Ⓟ 2 Ⓞ 1 Ⓢ B

Compact Light Pink



Ⓟ 4 Ⓞ 2 Ⓢ A

Dark Pink



Ⓟ 3 Ⓞ 2 Ⓢ A

White



Ⓟ 4 Ⓞ 2 Ⓢ A

Pink



Dark Pink

LaVela™ Lavender

Lavandula stoechas

Sturdy plants with excellent branching flower earlier than most *L. stoechas* for early-season sales. Strong, vivid colors make a beautiful presentation.

Height: 13 to 15 in. (33 to 38 cm)
Spread: 10 to 12 in. (25 to 30 cm)
USDA Hardiness Zone: 7a



Ⓟ 2 Ⓢ 2 Ⓢ B

LaVela Compact Dark Pink



Ⓟ 2 Ⓢ 2 Ⓢ B

LaVela Compact Dark Violet



LaVela Dark Violet



Ⓟ 3 Ⓢ 1 Ⓢ B

LaVela Compact White



Ⓟ 3 Ⓢ 2 Ⓢ B

LaVela Dark Violet

Sweet Dreams Lavender

Lavandula angustifolia

Sweet Dreams Lavender offers strong growing with low to no vernalization required. These strong, well-branched plants provide deeper blue flowers, superior fragrance and better Summer performance compared to other English Lavender.

Height: 12 to 20 in. (30 to 51 cm)
Spread: 6 to 14 in. (15 to 36 cm)
USDA Hardiness Zone: 5a



Ⓟ 3 Ⓢ 2 Ⓢ A

Sweet Dreams Blue



Ⓟ 4 Ⓢ 2 Ⓢ A

Sweet Dreams Lavender

Herbs

selecta  [®]

Herbs

Choose from Selecta One's quality vegetative herb collection, from our reliable supply chain. These herbs add savory flavors to recipes, and they work great in borders, too.



Lemon Verbena



Lemon Verbena
Lippia citriodora



Lemon Balm
Melissa officinalis



Moroccan
Mentha spicata



Common
Mentha x piperita



Chocolate Mint
Mentha x piperita



Greek Columar
Ocimum basilicum



Italian
Origanum vulgare



Compactum
Origanum vulgare



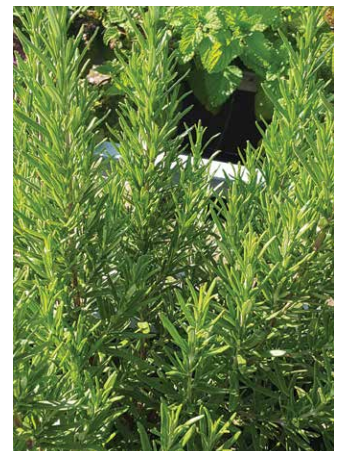
Hot & Spicy
Origanum vulgare



Marjoram
Origanum vulgare



Tuscan Blue
Rosmarinus officinalis



Perigord
Rosmarinus officinalis

Herbs continues on page 114

Herbs *Continued*



Prostratus
Rosmarinus officinalis



Common
Rosmarinus officinalis



Purpurascens
Salvia officinalis



Tricolor
Salvia officinalis



Berggarten
Salvia officinalis



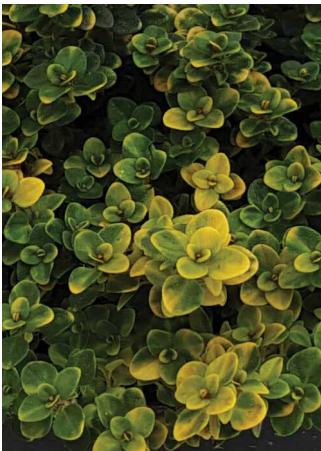
Aurea
Salvia officinalis



Grower's Friend
Salvia officinalis



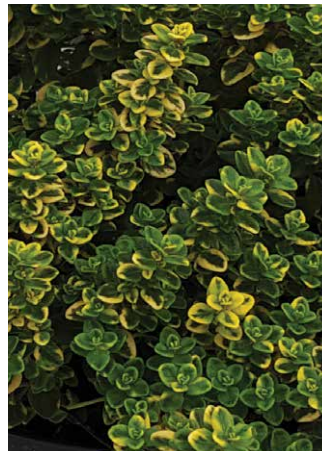
Compactus
Thymus x citriodorus



Doone Valley
Thymus x citriodorus



Silver Queen
Thymus x citriodorus



Spanish
Thymus x citriodorus



Faustinoi
Thymus vulgaris



Kitchen Herb Garden

Product Information

Product Forms

Selecta One offers you a range of different product forms including unrooted cuttings and TrixiLiners. Groundbreaking products like our overwhelmingly successful Trixi program make Selecta One's product offering the most innovative in the industry. We develop programs with you in mind, and together we are Creating the Future™.



Unrooted cuttings

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 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



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.

- 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 58 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 2020

VARIETY	RECOMMENDED REPLACEMENT	VARIETY	RECOMMENDED REPLACEMENT
Aureovariegata <i>Thymus x citriodorus</i>	Doone Valley <i>Thymus x citriodorus</i>	Impatiens New Guinea ImPower Salmon+Eye	Impatiens New Guinea ImPower Salmon
Bacopa Big Falls Blue	Bacopa Big Falls Dark Blue	Osteospermum 4D Silver	Osteospermum 4D Violet Ice 20
Bidens Namid Compact Yellow	Bidens Namid Compact Yellow 20	Osteospermum 4D Violet Ice	Osteospermum 4D Violet Ice 20
Calceolaria Calynopsis Dark Red	Calceolaria Calynopsis Red	Osteospermum FlowerPower Compact Yellow	Osteospermum FlowerPower Compact Yellow 20
Calibrachoa MiniFamous Neo Apricot Strike	Calibrachoa MiniFamous Neo Lava+Red Eye	Osteospermum FlowerPower Pink	Osteospermum FlowerPower Compact Light Pink
Calibrachoa MiniFamous Neo Coral+Red Eye	Calibrachoa MiniFamous Neo Light Pink+Eye 20	Osteospermum FlowerPower Pink Eye	Osteospermum FlowerPower Compact Light Pink
Calibrachoa MiniFamous Neo Light Pink+Eye	Calibrachoa MiniFamous Neo Light Pink+Eye 20	Osteospermum FlowerPower White	Osteospermum FlowerPower White 20
Calibrachoa MiniFamous Neo Pink Strike	Calibrachoa MiniFamous Neo Light Pink+Eye 20	Osteospermum Zion Apricot Pink	Osteospermum Zion Purple Sun
Calibrachoa MiniFamous Neo Purple	Calibrachoa MiniFamous Neo Purple 20	Osteospermum Zion Magic Orange	Osteospermum Zion Purple Sun
Calibrachoa MiniFamous Neo Royal Blue	Calibrachoa MiniFamous Neo Dark Blue	Osteospermum Zion Shadow Yellow	Osteospermum Zion Morning Sun
Calibrachoa MiniFamous Neo Violet + Eye	Calibrachoa MiniFamous Neo Violet Ice	Petunia Headliner Pink Star	Petunia Headliner Lipstick
Calibrachoa MiniFamous Standard Orange	Calibrachoa MiniFamous Neo Deep Orange	Petunia Headliner Violet Dark Eye	Petunia Starlet Lavender Star
Calibrachoa MiniFamous Standard Pure Yellow	Calibrachoa MiniFamous Neo Dark Yellow	Petunia Main Stage Light Blue	Petunia Main Stage Violet
Calibrachoa MiniFamous Standard Vampire	Calibrachoa MiniFamous Neo Vampire	Petunia Starlet Carmine Star	Petunia Starlet Magenta Star
Calibrachoa MiniFamous Standard Double Apricot	Calibrachoa MiniFamous Neo Double OrangeTastic	Petunia Starlet Velvet	Petunia Starlet Velvet 20
Calibrachoa MiniFamous Standard Double Magenta	Calibrachoa MiniFamous Uno Double Red 20	Repens Boule <i>Rosmarinus officinalis</i>	Common <i>Rosmarinus officinalis</i>
Calibrachoa MiniFamous Standard Double Pink Vein	Calibrachoa MiniFamous Neo Double Pink	Spanish <i>Rosmarinus officinalis</i>	Perigord <i>Rosmarinus officinalis</i>
Calibrachoa MiniFamous Uno Apricot Star	Calibrachoa MiniFamous Neo Orange+Red Eye	Trixi Ayers Rock	Trixi La Bomba 20
Calibrachoa MiniFamous Uno Pink	Calibrachoa MiniFamous Uno Pink 20	Trixi Batting Eyes	Trixi Batting Eyes 20
Calibrachoa MiniFamous Uno Double Chiffon	Calibrachoa MiniFamous Uno Double White+Pink Whirl	Trixi Berry Daring	Trixi Berry Daring 20
Calibrachoa MiniFamous Uno Double Red	Calibrachoa MiniFamous Uno Double Red 20	Trixi Bolero	Trixi Bolero 20
Calibrachoa MiniFamous Uno Double Rose Chai	Calibrachoa MiniFamous Uno Double PinkTastic	Trixi Crazy for Crayons	Trixi Crazy for Crayons 20
Calibrachoa MiniFamous Uno Orange	Calibrachoa MiniFamous Neo Deep Orange	Trixi Double Date	Trixi Double Date 20
Dahlia Dahlietta Leanne	Dahlia Dahlietta Patty 20	Trixi Electric Avenue	Trixi Nightfall
Dahlia Dahlietta Marissa	Dahlia Dalietta Louise	Trixi Express Yourself	Trixi Nightfall
Dahlia Dahlietta Patty	Dahlia Dahlietta Patty 20	Trixi Flamingo Feather	Trixi Flamingo Feather 20
Dahlia Dahlietta Terry	Dahlia Dahlietta Rachel	Trixi Geisha Girl	Trixi Geisha Girl 20
Dahlia Dalaya Red+White	Dahlia Dalaya Dark Red+White	Trixi Gold & Bold	Trixi Gold & Bold 20
Delosperma Lido Orange+Eye	Delosperma Lido Orange+Eye 20	Trixi Jam Session 19	Trixi La Bomba 20
Euphorbia Loreen Compact White	Euphorbia Loreen White	Trixi La Bomba	Trixi La Bomba 20
Geranium Zonal Moonlight Violet	Geranium Zonal Moonlight Dark Fuchsia	Trixi Liberty Bell	Trixi Liberty Bell 20
Geranium Zonal Sunrise Bright Red	Geranium Zonal Sunrise Red	Trixi Night Watch	Trixi Night Watch 20
Geranium Zonal Sunrise Pink+Big Eye	Geranium Zonal Sunrise Pink+Big Eye 20	Trixi Old Glory 19	Trixi Old Glory 20
Geranium Zonal Sunrise Pink+Red Eye	Geranium Zonal Sunrise Pink+Big Eye 20	Trixi Pretty Princess	Blueberry Parfait
Ginger Mint <i>Mentha x gracilis</i>	Chocolate Mint <i>Mentha x piperita</i>	Trixi Purple with a Purpose 19	Trixi Purple with a Purpose 20
Impatiens New Guinea ColorPower Bright Orange+Eye	Impatiens New Guinea ColorPower Orange	Trixi Soul	Trixi Wild Berry 20
Impatiens New Guinea ColorPower Fire	Impatiens New Guinea ColorPower Dark Red	Trixi Spring Valley	Trixi Spring Valley 20
Impatiens New Guinea ColorPower Salmon+Eye	Impatiens New Guinea ColorPower Salmon Pink	Trixi Strawberry Shortcake	Trixi Strawberry Shortcake 20
		Trixi Sunset 19	Trixi Sunset 20
		Trixi Sweet Candy	Trixi Sweet Candy 20
		Trixi Swing Time	Trixi Heat of the Moment
		Trixi Twinkle Star	Trixi Twinkle Star 20
		Trixi Wild Berry	Trixi Wild Berry 20
		Verbena Blues White	Verbena Blues White 20
		Verbena Lascar Red	Verbena Lascar Vampire

Renamed Selecta One Varieties for 2020

VARIETY	RECOMMENDED REPLACEMENT
Bracteantha Mohave White 19	Bracteantha Mohave White
Calibrachoa MiniFamous Neo Double Blue	Calibrachoa MiniFamous Neo Double Dark Blue
Calibrachoa MiniFamous Neo Rose	Calibrachoa MiniFamous Neo Purple 20
Calibrachoa MiniFamous Standard Deep Yellow	Calibrachoa MiniFamous Neo Double Deep Yellow
Calibrachoa MiniFamous Uno Blue	Calibrachoa MiniFamous Neo Dark Blue
Diascia Picadilly Dark Salmon 19	Diascia Picadilly Dark Salmon
Geranium Zonal Sunrise Hot Pink 19	Geranium Zonal Sunrise Hot Pink
Lobelia Magadi Basket Dark Purple 19	Lobelia Magadi Basket Dark Purple
Petunia Headliner Raspberry Swirl 19	Petunia Headliner Raspberry Swirl
Petunia Starlet Lavender Star 19	Petunia Starlet Lavender Star
Trixi Blueberry Parfait 19	Trixi Blueberry Parfait
Trixi Cajun Flare 19	Trixi Cajun Flare
Trixi Cherry Kiss 19	Trixi Cherry Kiss
Trixi Nightfall 19	Trixi Nightfall
Trixi Starlight Starbright 19	Trixi Starlight Starbright
Trixi Sunset 19	Trixi Sunset 20
Trixi Treasure Chest 19	Trixi Treasure Chest
Verbena Pops Pink 19	Verbena Pops Pink

Important Plant Protection & Licensing Information

COMMERCIAL NAME

Petunia (cont.)
 Headliner™ Night Sky®
 Headliner™ Pink Sky
 Headliner™ Pink Vein
 Headliner™ Raspberry Star
 Headliner™ Raspberry Swirl
 Headliner™ Red
 Headliner™ Red Star
 Headliner™ Rose Star
 Headliner™ Sky Blue
 Headliner™ Starry Sky
 Burgundy
 Headliner™ White
 Headliner™ White Rose Vein
 Headliner™ Yellow
 Main Stage™ Blueberry
 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
 Starlet™ Blue
 Starlet™ Burgundy
 Starlet™ Dark Pink
 Starlet™ Lavender Star
 Starlet™ Magenta
 Starlet™ Magenta Star
 Starlet™ Pink Lemonade
 Starlet™ Pinot Red
 Starlet™ Purple Star
 Starlet™ Red
 Starlet™ Salmon Red Vein
 Starlet™ Velvet 20
 Starlet™ White
 Starlet™ Yellow
 SweetSunshine™ Burgundy
 SweetSunshine™ Honeydew
 SweetSunshine™ Light Pink
 SweetSunshine™ Magenta
 SweetSunshine™ Provence
 SweetSunshine™ Purple
 Picotee

VARIETY NAME

KLEPH15313
 KLEPH17342
 KLEPH14244
 KLEPH14267
 KLEPH18198
 KLEPH14248
 KLEPH14232
 KLEPH16321
 KLEPH14245
 KLEPH18389
 KLEPH14247
 KLEPH11217
 KLEPH15261
 KLEPH14273
 KLEPH11204
 KLEPH11202
 KLEPH16274
 KLECO3033
 KLEPH12216
 KLEPH17300
 KLEPH09189
 KLEPH12226
 Balsunlu
 Balsunburg
 KLEPH11199
 KLEPH21792
 KLEPH15254
 KLEPH17365
 KLEPH14251
 KLEPH18034
 Balsunrust
 KLEPH19412
 KLEPH14253
 KLEPH19035
 Balsunwhi
 KLEPH13238
 KLEPH09191
 KLEPH17296
 KLEPH14241
 KLEPH13234
 KLEPH13235
 KLEPH14252

Phlox

Gisele™ Hot Pink
 Gisele™ Light Pink
 Gisele™ Light Violet
 Gisele™ Pink
 Gisele™ White

KAZI14826
 KAZI15789
 KAZI14828
 KAZI14750
 KAZI14830

Portulaca

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

KLEPO12820
 KLEPO14824
 KLEPO17022
 KLEPO14822
 KLEPO16012
 KLEPO14825

Salvia

Skyscraper™ Dark Purple
 Skyscraper™ Orange
 Skyscraper™ Pink

HYBSV16016
 HYBSV18020
 HYBSV16017

Sanvitalia

Tsavo™ Compact Yellow

KLESP14002

Scaevola

Fairy™ Blue
 Fairy™ Pink
 Fairy™ White

KLESC13594
 KLESC13595
 KLESC13596

Verbena

BeBop™ Lavender
 BeBop™ Pink
 Blues™ Lavender+Eye
 Blues™ Light Pink+Eye
 Blues™ Magenta+Eye
 Blues™ Neon
 Blues™ Purple+Eye
 Blues™ Red
 Blues™ Rose+Eye
 Blues™ Violet+Eye
 Blues™ White 20
 Lascar™ Black Velvet
 Lascar™ Burgundy
 Lascar™ Dark Red
 Lascar™ Dark Violet
 Lascar™ Hot Rose
 Lascar™ Mango Orange
 Lascar™ Pink
 Lascar™ Red Rose
 Lascar™ Salmon
 Lascar™ Vampire
 Lascar™ White
 Pops™ Dark Red
 Pops™ Pink
 Pops™ Pink+Eye
 Pops™ Pink+Red Eye
 Pops™ Salmon+Red Eye
 Pops™ White

KLEVP13452
 KLEVP13461
 KLEVP12431
 KLEVP12430
 KLEVP12428
 KLEVP13450
 KLEVP12427
 KLEVP14490
 KLEVP12429
 KLEVP12449
 KLEVP19028
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 KLEVP12446
 KLEVP15483
 KLEVP03321
 KLEVP15474
 KLEVP12447
 KLEVP11419
 KLEVP11423
 KLEVP19068
 KLEVP12434
 KLEVP15470
 KLEVP18010
 KLEVP12435
 KLEVP15622
 KLEVP15616
 KLEVP15611

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

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(™ or ®) as applicable, variety name, patent information and the term "Propagation is Prohibited" or "Propagation Prohibited" as applicable and Selecta One-approved images. All custom tag layouts and orders must be approved prior to production/reproduction.

Terms & Conditions of Sale

Selecta Terms & Conditions of Sale are country/region specific. Visit SelectaNorthAmerica.com for current Terms & Conditions. The following Terms & Conditions of Sale apply to unrooted cuttings or rooted liners sold by Ball Seed within the United States and Canada. If you purchase rooted liners from a broker other than Ball Seed, contact your broker to obtain its current terms & conditions.

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.

Excluded Use

Merchandise is not intended for immediate or eventual sale to commercial growers, truck farmers, market gardeners or others who sell fruit or vegetables to the end user.

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 & 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 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.

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 due to weather related issues such as scorched, frozen or broken plants; material shortages; etc. NOTIFY SELLER IMMEDIATELY IF A SHIPMENT IS DAMAGED. Call the Ball Traffic Department at **800 879-2255** to report the damage and receive details on what is needed to file a claim. Damaged unrooted cuttings

will be replaced by Selecta One. Damaged rooted cuttings will be replaced by Ball Seed.

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 800 879-2255.

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 License Agreement, United States Plant Patents, Utility Patents, and/or Plant Breeders Rights. These varieties may not be reproduced without authorization. The breeder or authorized representative has the right to inspect customers' nurseries during normal business hours to assess compliance with the restrictions on use of protected varieties.

Trademarks

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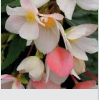
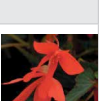
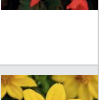
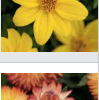
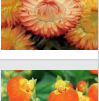
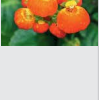
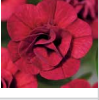
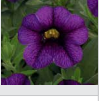

Sales Limitations

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 EMBARGOS (INCLUDING BUT NOT LIMITED TO OFAC SANCTIONS PROGRAMS AND THOSE LISTED ON OFAC'S "SPECIALLY DESIGNATED NATIONALS" LIST) WITHOUT AN APPROPRIATE EXPORT LICENSE.

ALL SHIPMENTS MUST BE SHIPPED IN COMPLIANCE WITH THE FOREIGN CORRUPT PRACTICES ACT AND THE UK BRIBERY ACT.

Annuals Rooting Guide

See page 126 for Finishing 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) ¹	Average Propagation Weeks	Pinch in Propagation	Comments
	Arctotis <i>Arctotis sp.</i>	Opera™	25/35 mm	yes	9 to 12	no	4 to 5	no	None.
	Argyranthemum <i>Argyranthemum frutescens</i>	Alessia	20 mm	yes	14	yes	5	optional	
	Argyranthemum <i>Argyranthemum frutescens</i>	LaRita™	20 mm	yes	14	optional	4	no	
	Bacopa <i>Sutera grandiflora</i>	Big Falls™	25 mm	no	7 to 9	yes	3 to 4	recommended	Stick two cuttings per cell; avoid overwatering of young plants; apply preventive fungicide treatment after sticking.
	Begonia <i>Begonia cultivars</i>	Marshmallow	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.
	Begonia <i>Begonia boliviensis</i>	Mistral*	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.
	Bidens <i>Bidens ferulifolia</i>	Namid™	25 mm	no	7 to 9	yes	3 to 4	optional	Avoid stretch.
	Bracteantha <i>Bracteantha bracteata</i>	Mohave™	25/35 mm	recommended	9 to 12	no	4 to 5	no	Reduce mist as soon as possible; apply preventive fungicide treatment after sticking.
	Calceolaria <i>Calceolaria hybrida</i>	Calynopsis™	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, overmisting, heavily saturated media and overly warm conditions.
	Calibrachoa <i>Calibrachoa cultivars</i>	Neo	25 mm	optional	9 to 12	yes	4 to 5	optional	Don't stick too deep; avoid overwatering of young plants and water stress.
	Calibrachoa <i>Calibrachoa hybrida</i>	Uno	20 mm	no	9 to 12	optional	4 to 5	optional	
	Convolvulus <i>Convolvulus sabatius</i>	Early Blue, Prime White	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.
	Cuphea hyssopifolia <i>Cuphea hyssopifolia</i>	Pink, Purple, White	20 mm	optional	14	no	5	optional	

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¹PGR 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.

Annuals 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) ¹	Average Propagation Weeks	Pinch in Propagation	Comments
	Dahlia <i>Dahlia hybrida</i>	City Lights™	25 mm	optional	14	yes, B-Nine 1,500 PPM (S)	5	yes	
	Dahlia <i>Dahlia pinnata</i>	Dahlietta®	25 mm	yes	9 to 12	no	3 to 4	no	Hormone will improve rooting. Night-break lighting (10 p.m.-2 a.m.) will reduce likelihood of tuber formation.
	Dahlia <i>Dahlia hybrida</i>	Dalaya™	25 mm	yes	9 to 12	optional	5 to 6	yes	Rooting hormone will even out rooting. Night interruption or extended day will help prevent tuber formation in short day seasons.
	Dahlia <i>Dahlia pinnata</i>	Venti™	30	optional	9 to 12	Apply B-Nine 1,500 PPM (S)	4	optional	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.
	Diascia <i>Diascia cultivars</i>	Piccadilly™	25 mm	no	7 to 9	yes	3 to 4	recommended	Stick two cuttings per cell.
	Euphorbia <i>Euphorbia hypericifolia</i>	Loreen™	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.
	Fuchsia <i>Fuchsia cultivars</i>	Bellinto™	25 mm	no	7 to 10	no	4	yes	Avoid stretch and overwatering of young plants.
	Geranium (Interspecific) <i>Pelargonium cultivars</i>	Marcada™	30/40 mm	yes	14	yes	5	no	In hot climates, use Cycocel (S) at 500 PPM.
	Geranium (Ivy) <i>Pelargonium peltatum</i>	Glacier White	30/40 mm	yes	14	optional	5	optional	Use Cycocel (S) at a rate of 500 to 750 PPM if needed.
	Geranium (Ivy) <i>Pelargonium peltatum</i>	Royal™	25/35 mm single or double strip	yes	14	yes	4 to 5	no	Stick right after arrival, keep cuttings hydrated for the first three days, and reduce mist afterwards as soon as possible. Apply preventive fungicide treatment after sticking. Avoid stretch.
	Geranium (Zonal) <i>Pelargonium x hortorum</i>	Moonlight™, Sunrise™	25/35 mm single or double strip	optional	7 to 9	no	4	no	Stick right after arrival, keep cuttings hydrated for the first three days, and reduce mist afterwards as soon as possible. Apply preventive fungicide treatment after sticking.
	Geranium (Zonal) <i>Pelargonium x hortorum</i>	Super Moon Red	30 mm	yes	7 to 9	yes	5	no	Cycocel 750 PPM spray.
	Glechoma <i>Glechoma hederacea</i>	Variiegata	20 mm	no	6	no	4	yes	Vining plant; pinching will help with branching and with avoiding cross-tangling of cells.

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Annuals 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) ¹	Average Propagation Weeks	Pinch in Propagation	Comments
	Helichrysum <i>Helichrysum italicum</i>	Silver Ribbon	25 mm	optional	15	25 mm	5	no	
	Helichrysum <i>Helichrysum italicum</i>	Silver Stitch, Silver Threads	25 mm	optional	15	optional	5	no	
	Heliotrope <i>Heliotropium arborescens</i>	Marino™	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.
	Impatiens (Interspecific) <i>Impatiens hawkeri</i>	Big Bounce™, Bounce™	25 mm	no	6 to 9	yes	4 to 5	no	Reduce mist starting day 5; don't overwater.
	Impatiens (New Guinea) <i>Impatiens hawkeri</i>	ColorPower™	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.
	Impatiens (New Guinea) <i>Impatiens hawkeri</i>	ImPower™	30 mm	no	7 to 9	no	4	no	
	Lobelia <i>Lobelia cultivars</i>	Magadi™ Basket	20 mm	no	14	optional	4	yes	
	Lobelia <i>Lobelia cultivars</i>	Magadi™, Magadi™ Compact	25 mm	no	7 to 9	yes	4	recommended	Keep cuttings hydrated. Avoid overwatering of young plants.
	Lobularia <i>Lobularia maritima</i>	Featherlight	20/30 mm	no	10	optional	4	no	
	Lysimachia <i>Lysimachia nummularia</i>	Goldilocks	20 mm	no	7 to 9	no	5	optional	
	Mandevilla <i>Mandevilla sanderi</i>	Dundee	30/45 mm	yes	14	optional	6 to 8	no	
	Mandevilla <i>Mandevilla sanderi</i>	Magnetica	30/40 mm	optional	14	optional	6 to 8	no	
	Nierembergia <i>Nierembergia caerulea</i>	Lara™	25 mm	optional	7 to 9	yes	3 to 4	recommended	Stick two cuttings per cell.
	Osteospermum <i>Osteospermum hybrid</i>	4D™	25/35 mm	recommended	12 to 16	yes	4 to 5	no	Keep cuttings hydrated.

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Annuals 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) ¹	Average Propagation Weeks	Pinch in Propagation	Comments
	Osteospermum <i>Osteospermum ecklonis</i>	Daisy Falls™	30 mm	yes	12 to 16	yes	4	optional	
	Osteospermum <i>Osteospermum ecklonis</i>	FlowerPower™, FlowerPower™ Compact, FlowerPower™ Spider, Zion™	25/35 mm	recommended	12 to 16	yes	4 to 5	no	Keep cuttings hydrated.
	Pericallis/Cineraria <i>Senecio x hybrida</i>	Senetti®	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.
	Petunia <i>Petunia cultivars</i>	Headliner™, Starlet™, SweetSunshine™	25 mm	no	7 to 9	yes	4	no	Avoid stretch; apply preventive fungicide spray after sticking.
	Petunia <i>Petunia cultivars</i>	Main Stage™	30 mm	no	7 to 9	yes	4	optional	
	Phlox <i>Phlox cultivars</i>	Gisele®	25 mm	no	12	no	4 to 5	no	Avoid overmisting, and misting after rooting.
	Portulaca <i>Portulaca oleracea</i>	PortoGrande™	25 mm	no	7 to 9	no	3 to 4	optional	Avoid overwatering of young plants.
	Salvia <i>Salvia cultivars</i>	Skyscraper™	25 mm	optional	14	yes	4	Yes	Use B-Nine 2,500 PPM spray
	Sanvitalia <i>Sanvitalia procumbens</i>	Tsavo™	25 mm	no	7 to 9	yes	4	optional	Keep cuttings hydrated; avoid overwatering of young plants.
	Scaevola <i>Scaevola aemula</i>	Fairy™	25 mm	recommended	9 to 12	yes	5 to 6	optional	Keep cuttings hydrated.
	Trixi®	Trixi recipes <i>Please ask for our detailed Tech Sheet</i>	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.
	Verbena <i>Verbena cultivars</i>	BeBop™, Blues™, Lascar™, Pops™	25 mm	optional	7 to 9	yes	3 to 4	optional	Avoid stretch; reduce and stop misting as soon as possible.

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Perennials 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) ¹	Average Propagation Weeks	Pinch in Propagation	Comments
	Delosperma <i>Delosperma cultivars</i>	Lido™	20/30 mm	no	14	no	5	no	Very low mist or tent.
	Dianthus <i>Dianthus cultivars</i>	Dianthalot™, Pink Kisses™	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep hydrated. Sensitive root system; avoid overwatering of young plants.
	Dianthus <i>Dianthus interspecific</i>	EverLast™	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep hydrated. Sensitive root system; avoid overwatering of young plants.
	Dianthus <i>Dianthus caryophyllus</i>	Oscar®, SuperTrouper™	25/35 mm	recommended	14 to 21	no	5 to 6	recommended	Keep hydrated. Sensitive root system; avoid overwatering of young plants.
	Gaura <i>Gaura lindheimeri</i>	Belleza®	25 mm	optional	7 to 9	yes	4	optional	Avoid stretch.
	Lavandula <i>Lavandula angustifolia</i>	Sweet Dreams Blue, Sweet Dreams Lavender	20/30 mm	optional	12	no	6	yes	Reduce mist after day 5 to avoid rot and to drive root development.
	Lavender <i>Lavandula stoechas</i>	LaVela™	25 mm	no	14	no	6 to 7	yes	Use well-drained media. Avoid saturated media. Reduce mist early.

Annuals Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH ²	Fertilizer Needs ³	Watering ⁴	Temperature Needs Day / Night ⁵	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	Arctotis <i>Arctotis sp.</i>	Opera™	5.8-6.2	200-250 PPM N	grow on the dry side	65-75°F/50-60°F 18-24°F/10-16°C	no	5,000 to 6,000
	Argyranthemum <i>Argyranthemum frutescens</i>	Alessia	5.8-6.2	moderate	moderate	60-80°F/40-55°F 16-27°C/4-13°C	optional	4,000 to 7,000
	Argyranthemum <i>Argyranthemum frutescens</i>	LaRita™	5.8-6.2	moderate	moderate	60-80°F/45-60°F 16-27°C/7-16°C	optional	4,000 to 7,000
	Bacopa <i>Sutera grandiflora</i>	Big Falls™	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
	Begonia <i>Begonia cultivars</i>	Marshmallow	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
	Begonia <i>Begonia boliviensis</i>	Mistral®	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
	Bidens <i>Bidens ferulifolia</i>	Namid™	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
	Bracteantha <i>Bracteantha bracteata</i>	Mohave™	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
	Calceolaria <i>Calceolaria hybrida</i>	Calynopsis™	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
	Calibrachoa <i>Calibrachoa cultivars</i>	Neo	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
	Calibrachoa <i>Calibrachoa hybrida</i>	Uno	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
	Convolvulus <i>Convolvulus sabatius</i>	Early Blue, Prime White	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
	Cuphea hyssopifolia <i>Cuphea hyssopifolia</i>	Pink, Purple, White	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

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

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

⁴ **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 (PPD)		
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
none	Aphids	Avoid low light and humidity conditions.	6 to 8 weeks, 1 ppp	8 to 10 weeks, 1 ppp	9 to 12 weeks, 3 ppp
B-Nine 2,500 PPM (S)	Mites, Thrips				
B-Nine 1,500 PPM (S)					
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)	Aphids, Thrips, Pythium, Thielaviopsis	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

***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.

Annuals Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH ²	Fertilizer Needs ³	Watering ⁴	Temperature Needs Day / Night ⁵	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	Dahlia <i>Dahlia hybrida</i>	City Lights™	5.8-6.2	200-250 PPM N/ EC 1.8-2.2	high	65-77°F/55-65°F 18-25°C/13-18°C	yes	4,000 to 7,000
	Dahlia <i>Dahlia pinnata</i>	Dahlietta®	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
	Dahlia <i>Dahlia hybrida</i>	Dalaya™	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
	Dahlia <i>Dahlia pinnata</i>	Venti™	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
	Diascia <i>Diascia cultivars</i>	Piccadilly™	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
	Euphorbia <i>Euphorbia hypericifolia</i>	Loreen™	5.8-6.2	175-225 PPM N/EC 1.8-2.0	sensitive to over-watering	65-76°F/59-67°F 18-24°C/15-19°C	yes	6,000 to 9,000
	Fuchsia <i>Fuchsia cultivars</i>	Bellinto™	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
	Geranium (Interspecific) <i>Pelargonium cultivars</i>	Marcada™	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+
	Geranium (Ivy) <i>Pelargonium peltatum</i>	Glacier White	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
	Geranium (Ivy) <i>Pelargonium peltatum</i>	Royal™	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
	Geranium (Zonal) <i>Pelargonium x hortorum</i>	Moonlight™	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
	Geranium (Zonal) <i>Pelargonium x hortorum</i>	Sunrise™	5.8-6.2	200 to 250 PPM N/EC 1.8 to 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
	Geranium (Zonal) <i>Pelargonium x hortorum</i>	Super Moon Red	5.8-6.2	200 to 250 PPM N/EC 1.8 to 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

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







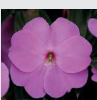


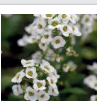
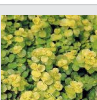
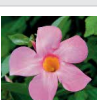
³ **Fertilizer needs:** Start with low concentrations after roots show and increase with plant development to the recommended levels.

⁴ **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 (PPD)		
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), 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, 3-4 ppp
B-Nine 2,500-4,000 PPM (S), Cycocel 1,000-1,500 PPM tank mix (S)	Thrips, Leafminer, Botrytis	Night-break lighting will reduce likelihood of tuber formation.	6 to 8 weeks, 1 ppp	7 to 9 weeks, 1 to 2 ppp	
B-Nine 1,500-2,500 PPM (S), B-Nine 1,500 PPM (S)/Cycocel 750 PPM (S) tank mix, Bonzi 2 to 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), Paclobutrazol 1-2 PPM (D), Sumagic 0.5-1 PPM (D)	Aphids, Thrips, Powdery Mildew, Botrytis	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, 3-4 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, 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, to 2 ppp	8 to 10 weeks, 4 to 5 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
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), 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
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 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 spray	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

***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.

Annuals Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH ²	Fertilizer Needs ³	Watering ⁴	Temperature Needs Day / Night ⁵	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	Glechoma <i>Glechoma hederacea</i>	Variegata	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
	Helichrysum <i>Helichrysum italicum</i>	Silver Ribbon	5.8-6.2	moderate	moderate	60-70°F/45-55°F 16-21°C/7-13°C	no	4,000 to 7,000
	Helichrysum <i>Helichrysum italicum</i>	Silver Stitch, Silver Threads	5.8-6.2	moderate	moderate	60-70°F/45-55°F 16-21°C/7-13°C	no	4,000 to 7,000
	Heliotrope <i>Heliotropium arborescens</i>	Marino™	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
	Impatiens (Interspecific) <i>Impatiens hawkeri</i>	Big Bounce™, Bounce™	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
	Impatiens (New Guinea) <i>Impatiens hawkeri</i>	ColorPower™	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
	Impatiens (New Guinea) <i>Impatiens hawkeri</i>	ImPower™	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
	Lobelia <i>Lobelia cultivars</i>	Magadi™ Basket	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
	Lobelia <i>Lobelia cultivars</i>	Magadi™, Magadi™ Compact	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
	Lobularia <i>Lobularia maritima</i>	Featherlight	ph - 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
	Lysimachia <i>Lysimachia nummularia</i>	Goldilocks	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
	Mandevilla <i>Mandevilla sanderi</i>	Dundee	5.6-6.2	150-200 PPM N constant feed	moderate	75-95°F/60-72°F 24-35°C/16-22°C	no	5,000 to 7,000

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

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⁴ **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 (PPD)		
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
	none	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)	Aphids, Botrytis		5-6 weeks 1 ppp	7-9 weeks 1 ppp	10-14 weeks 1-3 ppp
B-Nine 1,500 PPM (S)					
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) on Bounce and Big Bounce; Bonzi 5-10 PPM (S) or 0.5-1 PPM (D) on Big Bounce only	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
No	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), 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, Root Rot		10 to 12 weeks, 1 ppp	12 to 16 weeks, 2 to 3 ppp	14 to 18 weeks, 3 to 5 ppp

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Annuals Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH ²	Fertilizer Needs ³	Watering ⁴	Temperature Needs Day / Night ⁵	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	Mandevilla <i>Mandevilla sanderi</i>	Magnetica	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	5,000-7,000
	Nierembergia <i>Nierembergia caerulea</i>	Lara™	5.4-5.8	100-150 PPM N/EC 1.4-1.8	keep constantly moist	68-78°F/62-65°F 20-26°C/17-18°C	yes	5,000 to 6,000
	Osteospermum <i>Osteospermum hybrid</i>	4D™	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
	Osteospermum <i>Osteospermum ecklonis</i>	Daisy Falls™	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
	Osteospermum <i>Osteospermum ecklonis</i>	FlowerPower™, FlowerPower™ Compact, FlowerPower™ Spider, Zion™	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
	Pericallis/Cineraria <i>Senecio x hybrida</i>	Senetti®	5.5-6.0	medium 260 PPM	light	55-75°F/ 55-75°F 13-24°C/13-24°C	yes	5,000 to 6,000
	Petunia <i>Petunia cultivars</i>	Headliner™, SweetSunshine™	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
	Petunia <i>Petunia cultivars</i>	Main Stage™	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
	Petunia <i>Petunia cultivars</i>	Starlet™	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
	Phlox <i>Phlox cultivars</i>	Gisele®	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
	Portulaca <i>Portulaca oleracea</i>	PortoGrande™	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
	Salvia <i>Salvia cultivars</i>	Skyscraper™	5.8-6.2	moderate	moderate	65-77°F/55-65°F 18-25°C/13-18°C	yes	4,000 to 7,000
	Sanvitalia <i>Sanvitalia procumbens</i>	Tsavo™	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

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			CROP TIME FROM ROOTED CUTTING/PLANTS PER POT (PPD)		
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
not recommended	Spider Mites, Pythium		10 to 12 weeks, 1 ppp, staked	12 to 16 weeks, 2-3 ppp, trellised	14 to 18 weeks, 3-5 ppp, trellised
B-Nine 2,500 PPM (S)	Aphids, Botrytis, Pythium	Start late Spring when day length increases and temperatures rise. Pinch as needed for improved plant habit. High light and warm temperatures will improve flowering, branching and plant development.	6 to 8 weeks, 1 ppp	8 to 10 weeks, 2 ppp	8 to 10 weeks, 5 ppp
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 spray, or low-level Bonzi drench (0.5-1 ppm)	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, Whitefly, 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 spray	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

***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.

Annuals Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES			
			Media pH ²	Fertilizer Needs ³	Watering ⁴	Temperature Needs Day / Night ⁵	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles	
	Scaevola <i>Scaevola aemula</i>	Fairy™	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	
	Trixi®	Trixi recipes <i>Please ask for our detailed Tech Sheet</i>	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	
	Verbena <i>Verbena cultivars</i>	BeBop™	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	
	Verbena <i>Verbena cultivars</i>	Blues™, Pops™	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	
	Verbena <i>Verbena cultivars</i>	Lascar™	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	

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










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

⁴ **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 (PPD)		
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
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
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 5 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

⁵**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.

Perennials Finishing Guide

	Crop	Series/Variety	ROOTING & FINISHING			FINISHING GUIDELINES		
			Media pH ²	Fertilizer Needs ³	Watering ⁴	Temperature Needs Day / Night ⁵	Pinch after Transplant (unpinched liners)	Light Levels in Foot Candles
	Delosperma <i>Delosperma cultivars</i>	Lido™	5.8-7.0	very low	very low	55-90°F/40-70°F 13-32°C/4-21°C	no	7,000+
	Dianthus <i>Dianthus cultivars</i>	Dianthalot™	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
	Dianthus <i>Dianthus interspecific</i>	EverLast™	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
	Dianthus <i>Dianthus caryophyllus</i>	Oscar®, SuperTrouper™	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
	Dianthus <i>Dianthus cultivars</i>	Pink Kisses™	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
	Gaura <i>Gaura lindheimeri</i>	Belleza®	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
	Lavandula <i>Lavandula angustifolia</i>	Sweet Dreams Blue	5.8-6.2	Modest 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
	Lavandula <i>Lavandula angustifolia</i>	Sweet Dreams Lavender	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
	Lavender <i>Lavandula stoechas</i>	LaVela™	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

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			CROP TIME FROM ROOTED CUTTING/PLANTS PER POT (PPD)		
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
none		Grow warm and dry. Will rot if too wet.	12 to 16 weeks, 1 ppp	16 to 20 weeks, 3 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 (depending on time of the year), 1 ppp	12 to 20 weeks (depending on time of the year), 2 ppp	12 to 20 weeks (depending on time of the year), 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.	14 to 20 weeks (depending on time of the year), 1 ppp	16 to 22 weeks (depending on time of the year), 2 ppp	16 to 22 weeks (depending on time of the year), 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.	14 to 20 weeks (depending on time of the year), 1 ppp	16 to 22 weeks (depending on time of the year), 2 ppp	16 to 22 weeks (depending on time of the year), 4 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 (depending on time of the year), 1 ppp	16 to 22 weeks (depending on time of the year), 2 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
not recommended	Spider Mites, Fusarium		14 to 16 weeks, 1 ppp	16 to 20 weeks, 1 to 2 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



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