

2024

# YOUNG PLANTS



G R O W E R  
R E A D Y

JOLLY  
FARMER  
EST. 1967



# DEAR VALUED *customer*

Our 2024 Grower Ready catalog is dedicated to the hundreds of customers who have supported us for so many years – 20, 30, or more! As our business has evolved to meet your needs, you've been there for us. Each of you deserves a page in this book. Thank you!

It is wonderful to have so many Jolly Farmer fans, but we don't take this responsibility lightly. You are the reason we partner with the most reliable suppliers, select the best genetics, and travel the world looking for new and improved varieties. It's why you can always reach a real live person during our business hours, and why we constantly hone our skills to provide you with the best young plants. You are the reason we have developed the services you've come to expect...



**FREIGHT INCLUDED FOR 4 OR MORE FULL BOXES**

delivery costs are never a surprise



**MIX AND MATCH ANY PRODUCT IN YOUR BOX**

so you can get just the items you want



**VOLUME AND EARLY ORDER DISCOUNTS**

for even greater savings



**LOW MINIMUMS AND SMALL TRAY INCREMENTS**

you don't have to buy more than you need



**SHIPMENT NOTIFICATION**

so you can track your delivery and plan your labor



**24/7 ONLINE ORDERING**

order anywhere, anytime that suits you



**EXPERT CULTURAL ADVICE**

Jerry Gorchels is available for technical questions



**NEARLY 4,000 UNIQUE ITEMS**

to fit every program or budget

Our goal is to bring you the most flexible, up-to-date, easy to use program in the industry, serving you with respect and integrity. Thank you for giving us this opportunity; we look forward to many more years growing together!

All the best,

**Peter Darrow**  
Sales Manager



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# ACKNOWLEDGEMENTS

Thank you to all who contributed photos & information to make this catalog possible. If we've omitted anyone, please accept our apologies.

ALL AMERICA SELECTIONS	FLORENSIS	HEM GENETICS	NASH	SUNTORY
AMERICAN TAKII	FLORIST HOLLAND	HENRY F. MICHELL COMPANY	PAC - ELSNER	SYNGENTA
BALL HORT	FOREMOST CO.	HILVERDA FLORIST	PAN AMERICAN SEED	TERRA NOVA
BEEKENKAMP	FUTURE PLANTS	HISHTIL	PARK SEED	THOMPSON & MORGAN
BENARY	GENESIS SEED	IVY GARTH	PLANT HAVEN	VEGETALIS
CHRISTIANSON, ALF	GEO SEED	JALDETY	PLANT SOURCE	VESEY'S
CNB	GOLDSMITH SEEDS	JELITTO	PRUDAC	VITRO PLUS
DANZIGER	GREEN FUSE	JOHNNY'S	QUALITY CUTTINGS	VIVERO
DARWIN PERENNIALS	GREEN TRADE HORTICULTURE	KIEFT SEEDS	RANCHO TISSUE	WALTER'S GARDENS
DUMMEN ORANGE	GREENEX	KIENTZLER	SAKATA	WESTHOFF
FLORANOVA	HARRIS SEED	KIWI FLORA	SEMINIS	WHETMAN PINKS
		KOPPE	SUCCULENTS UNLIMITED	

## COVER PHOTO

ECHEVERIA PERLE VON NÜRNBERG P 177 / 📌 GASTERIA DURBAN P 178 / SENECIO BLUE CHALK FINGERS P 181 / 📌 SENECIO STRING OF BANANAS P 181

# SALES & SERVICE



**Amanda**  
☎ 800.695.8300 EXT 151



**Andrea**  
☎ 800.695.8300 EXT 152



**Asha**  
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**Brenda Lee**  
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**Brenda Weeks**  
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**Cindy**  
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**Paula**  
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**Peter**  
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**Sanna**  
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**Shelley**  
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**Elisabeth (reception)**  
☎ 800.695.8300

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## SALES

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## WEBSITE

**ADDRESS**  
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## SOCIAL

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**YOUTUBE.COM**  
jollyfarmerproducts

# NEW & *exciting*

With the help of our breeding partners around the world, we're thrilled to bring you the most outstanding new genetics for 2024. These eye-catching selections are sure to impress!



PAGE **76** PETCHOA  
CALIBURST YELLOW



PAGE **82** SNAPDRAGON  
DOUBLESHOT  
ORANGE BICOLOR



PAGE **87** VIOLA COLORMAX  
BLUE JEANS



PAGE **115** BEGONIA HIEMALIS  
BRITT DARK



PAGE **126** DAHLIA LABELA  
GIGANTE FUN PINK



PAGE **136** HELIANTHUS  
SUNMAZING

# *exclusive* VARIETIES

We're excited to be offering two exclusive varieties in 2024! These beautiful selections are only available at Jolly Farmer®, so don't forget to book yours early!

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BIDENS BLAZING  
RING OF FIRE

page  
**119**



CALIBRACHOA  
CALITASTIC SUNSPOT





# COMBOS

COMBOKITS™ / EASYLINERS™ / WAVE® COMBOS

page  
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COMBOKIT™

## Lollipops

Treat yourself with this stunning combination of colorful blooms! The bright hues are sure to bring a touch of joy and happiness to your surroundings.

page  
28

COMBOKIT™

## Maggie May

Blue Salvia complements a harmonious blend of pink and white flowers along with notes of yellow - an idyllic display of floral beauty and symbiosis.



page  
37

COMBOKIT™

## Strawberry Taffy

Infused with bright shades of strawberry pink and red, this indulgent blend of flowers is elegant and captivating wherever you choose to display it!



NEW THIS year



# COMBOKITS™

Build your own combinations using our handy ComboKits™! We've worked out patterns, multiples, yields, and tags. For example, if you place an order for "Golden Blush", you will receive the plants and the tags to make 25 containers. The tags will be a large, colored picture of the finished product with a pattern and variety listing on the back. Be sure to prebook your ComboKits™ (may be limited on speculation). Recommended growing programs are provided in our Cultural Tips.

## How to use

Follow our planting pattern (you'll find it both in the catalog and on the tags). Tag with our custom-designed tag. Grow following our handy cultural tips. (See culture tips section.)

## You get...

Selected plugs/liners and tags.



## You grow...

Beautiful combinations.



# COMBO ACCESSORIES

**Purchased separately from combo kits. Available in boxes of 25. Allow 2-3 weeks for delivery.**

We offer color-coordinated containers to dress up your combinations. Every combo has a suggested color. At your request, we ship the correct number of containers with your plants. You can also order these accessories without the plants for any other needs you may have.

## Color Selections

BRUSHED  
CHAMPAGNE



WARM  
COPPER



BRUSHED  
TEAL



LIGHT  
MOCHA



POWDERED  
SMOKED GRAY



## Planters & Hangers

For all regular ComboKits™ and EasyLiners™, we have either 13" planters or 12" baskets, color-coordinated with the combination. Just check the "planter" or "hanger" box on the order form when you place your order.

13" PLANTER



Available  
in all colors  
shown above.

12"  
HANGER



## 12" Bowls

For the herb combos, we recommend 12" bowls in "fieldstone".





# TOP SELLING *combos*



GOLDEN BLUSH / PAGE 23



DANCING 'TIL DAWN / PAGE 18



SALUTE / PAGE 34



SPRING HAS SPRUNG / PAGE 36



MIDSUMMER NIGHT'S DREAM / PAGE 28



SWEET VELOUR / PAGE 38

## *don't miss a few of our* **FAVORITES**

We've added 9 new combinations to the ComboKits™! Don't miss Chalk Art, Itsy Bitsy or Lollipops.



CHALK ART  
PAGE 14



ITSY BITSY  
PAGE 25



LOLLIPOPS  
PAGE 27

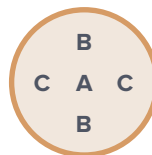




## 24 Karat Gold

makes  
25

- A 1 tray 25 ct Hakonechloa Aureola
- B 2 trays 25 ct Begonia hiemalis Solenia® Yellow
- C 1 tray 50 ct Lantana New Gold



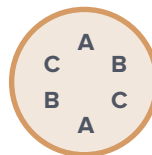
*pot idea*  
Warm Copper



## After the Rain

makes  
25

- A 1 tray 50 ct Calibrachoa Noa® Yellow
- B 1 tray 50 ct Lobelia Anabel® Brilliant Blue
- C 1 tray 50 ct Bacopa Scopia® Gulliver White



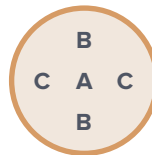
*pot idea*  
Light Mocha



## After the Storm

makes  
25

- A 1 tray 25 ct Coleus Great Falls Niagara
- B 1 tray 50 ct Petunia Vegetative Crazytunia® Cosmic Purple
- C 1 tray 50 ct Calibrachoa Hula Hot Pink



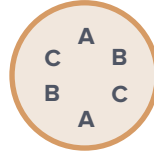
*pot idea*  
Light Mocha



## Alexander the Grape

makes  
25

- A 1 tray 50 ct Calibrachoa Eyeconic™ Purple
- B 1 tray 50 ct Bacopa Scopia® Gulliver Blue
- C 1 tray 50 ct Lobularia Lavender Stream™



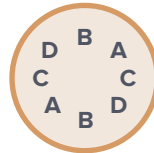
*pot idea*  
Light Mocha



## Answer the Call

makes  
25

- A 1 tray 50 ct Petunia Vegetative Surfinia® Deep Red
- B 1 tray 50 ct Calibrachoa Calitastic® White
- C 1 tray 50 ct Lobelia Hot® Blue
- D 1 tray 50 ct Verbena Vanessa™ Standard White



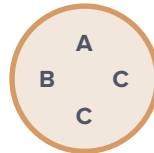
*pot idea*  
Brushed Champagne



## Backyard Fireworks

makes  
25

- A 1 tray 25 ct Coleus Defiance
- B 1 tray 25 ct Ipomea Marguerite
- C 2 trays 25 ct Begonia boliviensis Santa Cruz®



*pot idea*  
Warm Copper

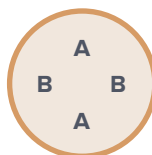




## Be My Valentine

makes  
25

- A 1 tray 50 ct Petunia Vegetative Capella™ Rose
- B 1 tray 50 ct Verbena Vanessa™ Standard Bicolor Pink



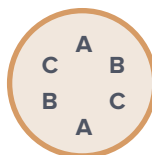
*pot idea*  
**Brushed  
Champagne**



## Beach House

makes  
25

- A 1 tray 50 ct Petunia Vegetative Ray™ Classic Blue
- B 1 tray 50 ct Petunia Vegetative Perfectunia® Sun
- C 1 tray 50 ct Verbena Estrella® Peach



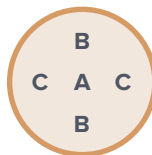
*pot idea*  
**Light Mocha**



## Beating Heart

makes  
50

- A 1 tray 50 ct Calibrachoa Calibasket™ Glamorous
- B 2 trays 50 ct Verbena Vanessa™ Compact Red
- C 2 trays 50 ct Bidens Yellow Crown™



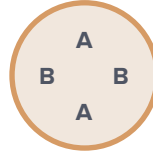
*pot idea*  
**Light Mocha**



## Berries & Cream

makes  
25

- A 1 tray 50 ct Petunia Vegetative Capella™ Purple Vein
- B 1 tray 50 ct Petunia Vegetative Capella™ Purple



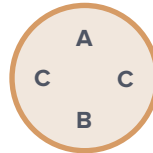
*pot idea*  
Powdered  
Smoked Gray



## Berry Smoothie

makes  
50

- A 1 tray 50 ct Petunia Vegetative Capella™ Pink Lace
- B 1 tray 50 ct Petunia Vegetative Capella™ Burgundy
- C 2 trays 50 ct Nemesia Nesia™ Bananaberry



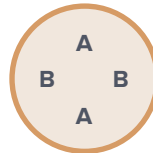
*pot idea*  
Warm Copper



## Blackberry Tart

makes  
25

- A 1 tray 50 ct Calibrachoa Chameleon® Blackberry Pie
- B 1 tray 50 ct Calibrachoa Chameleon® Tart Deco



*pot idea*  
Brushed  
Champagne

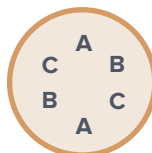




## Blue Eyes Cryin'

makes  
25

- A 1 tray 50 ct Petunia Vegetative Ray™ Classic Blue
- B 1 tray 50 ct Bacopa Scopia® Double Indigo
- C 1 tray 50 ct Verbena Vanessa™ Standard Bicolor Indigo



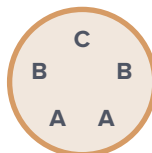
*pot idea*  
Brushed  
Champagne



## Blueberry Hill

makes  
25

- A 1 tray 50 ct Calibrachoa Skywalker™
- B 1 tray 50 ct Verbena Estrella® White
- C 1 tray 25 ct Ipomea Flora Mia Limon Wedge



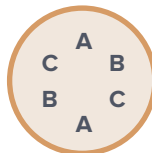
*pot idea*  
Brushed  
Champagne



## Blueberry Peach Sangria

makes  
25

- A 1 tray 50 ct Calibrachoa Calitastic® Pumpkin Spice
- B 1 tray 50 ct Verbena Estrella® Blueberry
- C 1 tray 50 ct Verbena Estrella® Peach



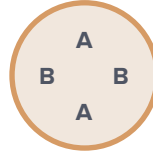
*pot idea*  
Warm Copper



## Blueberry Tart

makes  
25

- A 1 tray 50 ct Calibrachoa Chameleon® Blueberry Scone
- B 1 tray 50 ct Calibrachoa Chameleon® Tart Deco



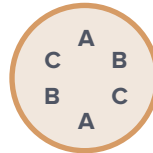
*pot idea*  
**Brushed  
Champagne**



## Bolero

makes  
25

- A 1 tray 50 ct Calibrachoa Noa® Ultra Purple
- B 1 tray 50 ct Bidens Yellow Crown™
- C 1 tray 50 ct Verbena Estrella® Red



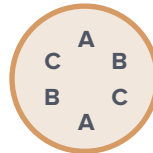
*pot idea*  
**Warm Copper**



## Candy Shop

makes  
25

- A 2 trays 25 ct Petunia Premium Easy Wave® Pink Passion
- B 1 tray 50 ct Calibrachoa TikTok Rose 2024
- C 1 tray 50 ct Verbena Estrella® White



*pot idea*  
**Light Mocha**

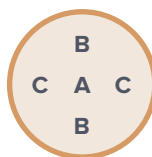




## Capture My Heart

makes  
50

- A 1 tray 50 ct Petunia Vegetative Amore® King of Hearts
- B 2 trays 50 ct Calibrachoa Noa® Snow
- C 2 trays 50 ct Verbena Vanessa™ Compact Red



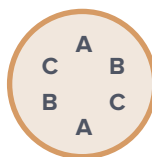
*pot idea*  
Warm Copper



## Cashmere Rose

makes  
25

- A 2 trays 25 ct Petunia Premium Shock Wave® Pink Vein
- B 2 trays 25 ct Petunia Premium Shock Wave® White
- C 2 trays 25 ct Petunia Premium Shock Wave® Rose



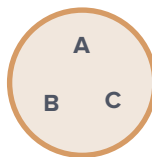
*pot idea*  
Light Mocha



## Chalk Art

makes  
50

- A 1 tray 50 ct Petunia Vegetative Capella™ Burgundy
- B 1 tray 50 ct Calibrachoa Lia™ Yellow Improved
- C 1 tray 50 ct Verbena Vanessa™ Standard Purple



*pot idea*  
Brushed  
Champagne

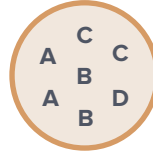




## Chloe's Song

makes  
25

- A 2 trays 25 ct Geranium Interspecific Calliope® Large Salmon
- B 2 trays 25 ct Begonia hiemalis Chloe Coral Pink
- C 1 tray 50 ct Angelonia Alonia™ Big Snow
- D 1 tray 25 ct Ipomea Flora Mia Rosso



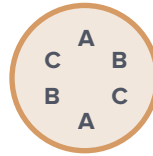
*pot idea*  
**Brushed  
Champagne**



## Color Parade

makes  
25

- A 1 tray 50 ct Bidens Blazing™ Glory
- B 1 tray 50 ct Verbena Estrella® Red
- C 2 trays 25 ct Petunia Premium Easy Wave® Blue



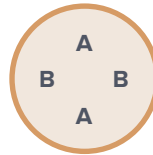
*pot idea*  
**Light Mocha**



## Color Spark

makes  
25

- A 1 tray 50 ct Verbena Vanessa™ Compact Bicolor Rose
- B 1 tray 50 ct Verbena Vanessa™ Compact Bicolor Purple



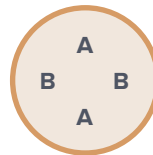
*pot idea*  
**Brushed  
Champagne**



## Coming Up Roses

makes  
25

- A 1 tray 50 ct Sunpatiens® Vigorous Clear White
- B 1 tray 50 ct Verbena Estrella® Red



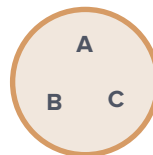
*pot idea*  
Light Mocha



## Cosmic Trifecta

makes  
50

- A 1 tray 50 ct Petunia Vegetative Crazytunia® Cosmic Pink
- B 1 tray 50 ct Petunia Vegetative Crazytunia® Cosmic Purple
- C 1 tray 50 ct Petunia Vegetative Crazytunia® Cosmic Violet



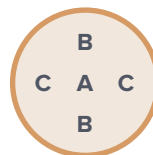
*pot idea*  
Brushed Champagne



## Country Girl

makes  
25

- A 1 tray 25 ct Petunia Premium Easy Wave® Pink Passion
- B 1 tray 50 ct Petunia Vegetative Perfectunia® Sun
- C 1 tray 50 ct Verbena Estrella® Blueberry



*pot idea*  
Brushed Teal

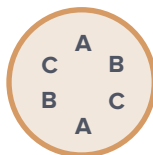




## Country Roads

makes  
25

- A 1 tray 50 ct Calibrachoa Eyeconic™ Cherry Blossom
- B 1 tray 50 ct Calibrachoa Noa® Dark Pink Carnival
- C 1 tray 50 ct Lobelia Hot+ Aqua



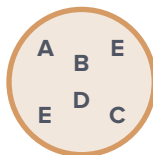
*pot idea*  
Warm Copper



## Crack o' Dawn

makes  
25

- A 1 tray 50 ct Coreopsis Solanna™ Golden Sphere
- B 1 tray 25 ct Carex Red Rooster
- C 1 tray 25 ct Geranium Interspecific Moxie!™ Dark Red
- D 1 tray 25 ct Ipomea Blackie
- E 1 tray 50 ct Verbena Estrella® Peach



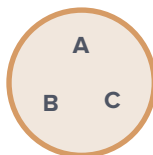
*pot idea*  
Brushed Champagne



## Crazy Love

makes  
50

- A 1 tray 50 ct Petunia Vegetative Amoré® Queen of Hearts
- B 1 tray 50 ct Petunia Vegetative Amoré® Purple
- C 1 tray 50 ct Petunia Vegetative Amoré® Fluttering Heart



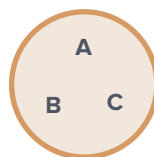
*pot idea*  
Light Mocha



## Cross My Heart

makes  
50

- A 1 tray 50 ct Petunia Vegetative Amore® Heart & Soul
- B 1 tray 50 ct Petunia Vegetative Amore® Pink Heart
- C 1 tray 50 ct Petunia Vegetative Amore® Purple



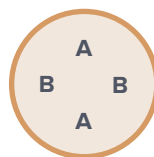
*pot idea*  
**Brushed  
Champagne**



## Dakota Sky

makes  
25

- A 1 tray 50 ct Petunia Vegetative Cascadias™ Indian Summer
- B 1 tray 50 ct Petunia Vegetative Cascadias™ Purple Gem



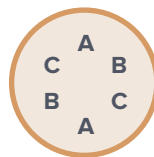
*pot idea*  
**Warm Copper**



## Dancing 'til Dawn

makes  
25

- A 1 tray 50 ct Petunia Vegetative Ray™ Black
- B 1 tray 50 ct Calibrachoa Noa® Yellow
- C 1 tray 50 ct Bacopa Scopia® Gulliver White



*pot idea*  
**Brushed  
Champagne**

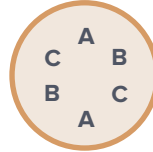




## Daydreams

makes  
25

- A 1 tray 50 ct Calibrachoa Noa® Ultra Purple
- B 1 tray 50 ct Bacopa Scopia® Gulliver Blue
- C 1 tray 50 ct Lobularia Stream™ Lavender



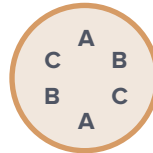
*pot idea*  
**Brushed  
Champagne**



## Easter Eggs

makes  
25

- A 1 tray 50 ct Lobularia Stream™ Purple
- B 2 trays 25 ct Pansy Spreading Cool Wave® Violet Wing
- C 2 trays 25 ct Pansy Spreading Cool Wave® Golden Yellow



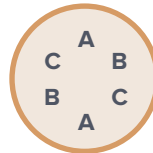
*pot idea*  
**Brushed Teal**



## Enchanted Evening

makes  
25

- A 1 tray 50 ct Calibrachoa Noa® Ultra Purple
- B 1 tray 50 ct Petunia Vegetative Cascadias™ Autumn Mystery
- C 1 tray 50 ct Nemesia Nesia™ Inca



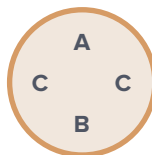
*pot idea*  
**Light Mocha**



## Euphoric

makes  
50

- A 1 tray 50 ct Petunia Crazytunia® Moonstruck
- B 1 tray 50 ct Calibrachoa Chameleon® Blueberry Scone
- C 4 trays 25 ct Satureja Indian Mint



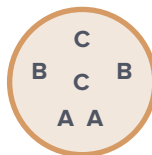
*pot idea*  
Light Mocha



## Evi's Smile

makes  
25

- A 2 trays 25 ct Begonia hiemalis Evi Bright Pink
- B 1 tray 50 ct Sunpatiens® Vigorous Clear White
- C 1 tray 50 ct Angelonia Alonia™ Big Dark Pink



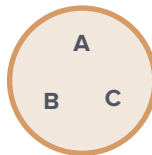
*pot idea*  
Brushed  
Champagne



## Eye Candy

makes  
50

- A 1 tray 50 ct Petunia Vegetative Capella™ Rose
- B 1 tray 50 ct Calibrachoa Lia™ Yellow Improved
- C 1 tray 50 ct Verbena Vanessa™ Standard Bicolor Pink



*pot idea*  
Brushed  
Champagne

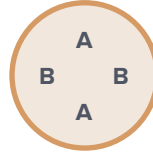




## Fairytale

makes  
25

- A 1 tray 50 ct Calibrachoa Chameleon® Frozen Ice
- B 1 tray 50 ct Calibrachoa Chameleon® Pink Diamond



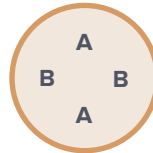
*pot idea*  
**Powdered  
Smoked Gray**



## Fire & Ice

makes  
25

- A 1 tray 50 ct Verbena Vanessa™ Standard White
- B 1 tray 50 ct Calibrachoa Calitastic® Bright Red



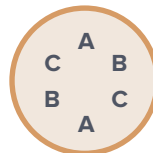
*pot idea*  
**Brushed  
Champagne**



## First Light

makes  
25

- A 1 tray 50 ct Calibrachoa Calitastic® Violaceous
- B 1 tray 50 ct Calibrachoa Noa® Yellow
- C 1 tray 50 ct Bacopa Scopia® Gulliver White



*pot idea*  
**Powdered  
Smoked Gray**

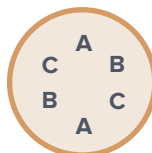




## Forever Young

makes  
25

- A 1 tray 50 ct Petchoa SuperCal® Rose
- B 1 tray 50 ct Lobelia Hot® Blue
- C 1 tray 50 ct Verbena Estrella® White



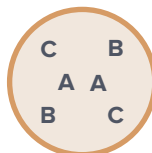
*pot idea*  
Light Mocha



## Frosted Berries

makes  
25

- A 1 tray 50 ct Helichrysum Licorice Silver
- B 2 trays 25 ct Petunia Premium Easy Wave® Blue
- C 2 trays 25 ct Petunia Premium Easy Wave® Neon Rose



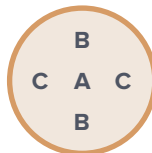
*pot idea*  
Powdered  
Smoked Gray



## Fruit Salad

makes  
50

- A 1 tray 50 ct Petunia Vegetative Veranda™ Double Sugar Plum
- B 2 trays 50 ct Calibrachoa Colibri™ Tangerine
- C 2 trays 50 ct Verbena Estrella® Blueberry



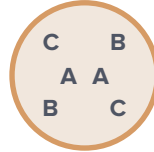
*pot idea*  
Light Mocha



## Fun On the 4th

makes  
25

- A 1 tray 50 ct Petunia Vegetative Cascadias™ Chili Red
- B 1 tray 50 ct Petunia Vegetative Amore® King of Hearts
- C 1 tray 50 ct Salvia Sallyfun™ Blue Lagoon



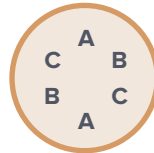
*pot idea*  
**Brushed  
Champagne**



## Golden Blush

makes  
25

- A 1 tray 50 ct Petunia Vegetative Crazytunia® Rose Gold
- B 1 tray 50 ct Verbena Estrella® Merlot
- C 1 tray 50 ct Calibrachoa Calitastic® Butter



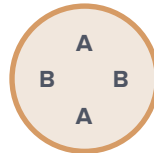
*pot idea*  
**Warm Copper**



## Golden Gem

makes  
25

- A 1 tray 50 ct Petunia Vegetative Cascadias™ Purple Gem
- B 1 tray 50 ct Jamesbrittenia Stardom Goldstar™



*pot idea*  
**Light Mocha**

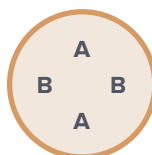




## Great Rift

makes  
25

- A 1 tray 50 ct Lobelia Rift Blue
- B 1 tray 50 ct Lobelia Rift Purple



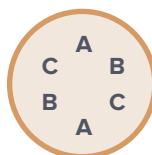
*pot idea*  
Light Mocha



## Highland Fling

makes  
25

- A 1 tray 50 ct Petunia Mini Littleunia® Purple Blue
- B 1 tray 50 ct Calibrachoa Noa® Yellow
- C 1 tray 50 ct Verbena Estrella® Red



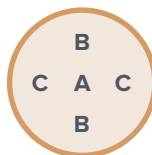
*pot idea*  
Warm Copper



## Iced Peaches

makes  
50

- A 1 tray 50 ct Calibrachoa Lia™ Violet
- B 2 trays 50 ct Calibrachoa Lia™ Melon
- C 2 trays 50 ct Verbena Vanessa™ Standard Bicolor Indigo



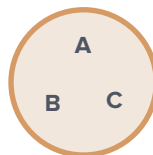
*pot idea*  
Brushed  
Champagne



## Itsy Bitsy

makes  
50

- A 1 tray 50 ct Petunia Mini Itsy™ Magenta
- B 1 tray 50 ct Petunia Mini Itsy™ White
- C 1 tray 50 ct Petunia Mini Shortcake™ Blueberry



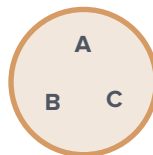
*pot idea*  
**Brushed  
Champagne**



## Itsy Triflection

makes  
50

- A 1 tray 50 ct Petunia Mini Itsy™ Magenta
- B 1 tray 50 ct Petunia Mini Itsy™ Pink
- C 1 tray 50 ct Petunia Mini Itsy™ White



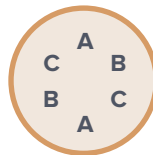
*pot idea*  
**Brushed  
Champagne**



## Land of Mine

makes  
25

- A 1 tray 50 ct Calibrachoa Lia™ Dark Red
- B 1 tray 50 ct Calibrachoa Lia™ Violet
- C 1 tray 50 ct Calibrachoa Lia™ Glaze



*pot idea*  
**Brushed  
Champagne**

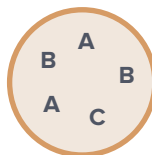




## Limelight

makes  
25

- A 1 tray 50 ct Petunia Vegetative Ray™ Pistachio Cream
- B 2 trays 25 ct Begonia hiemalis Solenia® Yellow
- C 1 tray 25 ct Coleus Main Street Wall Street



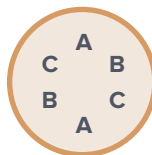
*pot idea*  
Warm Copper



## Lipstick and Lace

makes  
25

- A 1 tray 50 ct Petchoa SuperCal® Rose
- B 1 tray 50 ct Verbena Estrella® White
- C 1 tray 50 ct Calibrachoa Eyeconic™ Purple



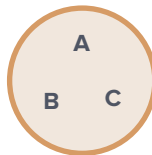
*pot idea*  
Brushed Champagne



## Little Memories

makes  
50

- A 1 tray 50 ct Petunia Mini Littleunia® Blue Vein
- B 1 tray 50 ct Petunia Mini Littleunia® Pink
- C 1 tray 50 ct Petunia Mini Littleunia® Purple Blue



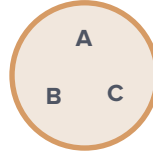
*pot idea*  
Brushed Champagne



## Little Moments

makes  
50

- A 1 tray 50 ct Petunia Mini Littletunia® Pink
- B 1 tray 50 ct Petunia Mini Littletunia® Purple Blue
- C 1 tray 50 ct Petunia Mini Littletunia® Rose



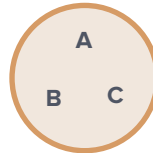
*pot idea*  
**Brushed  
Champagne**



## Lollipops

makes  
25

- A 1 tray 25 ct Petchoa Caliburst™ Yellow
- B 1 tray 25 ct Petunia E3 Easy Wave® Pink Cosmo
- C 1 tray 25 ct Petunia E3 Easy Wave® Sky Blue



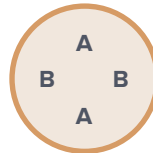
*pot idea*  
**Brushed  
Champagne**



## Love at First Bloom

makes  
25

- A 1 tray 50 ct Petunia Vegetative Amore® Pink Heart
- B 1 tray 50 ct Verbena Vanessa™ Compact Neon Pink



*pot idea*  
**Brushed  
Champagne**

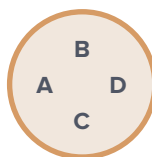




## Madras Plaid

makes  
50

- A 1 tray 50 ct Calibrachoa Hula Orange
- B 1 tray 50 ct Calibrachoa Noa® Yellow
- C 1 tray 50 ct Lobelia Hot® Blue
- D 1 tray 50 ct Verbena Estrella® Red



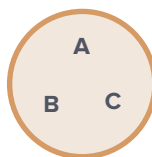
*pot idea*  
Warm Copper



## Maggie May

makes  
50

- A 1 tray 50 ct Petunia Vegetative Capella™ Rose
- B 1 tray 50 ct Bidens, White Delight™ Improved
- C 1 tray 50 ct Salvia Sallyfun™ Blue Lagoon



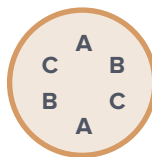
*pot idea*  
Brushed  
Champagne



## Midsummer Night's Dream

makes  
25

- A 1 tray 50 ct Petunia Vegetative Cascadias™ Indian Summer
- B 1 tray 50 ct Torenia Summer Wave® Trailing Large Blue
- C 1 tray 50 ct Diascia Trinity™ Sunset



*pot idea*  
Warm Copper

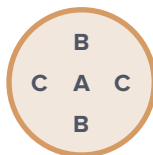




## Muka Laka Hiki 🌞

makes  
50

- A 1 tray 50 ct Petunia Vegetative Crazytunia® Tiki Torch
- B 2 trays 50 ct Calibrachoa Calitastic® Papaya
- C 2 trays 50 ct Verbena Estrella® Lobsterfest



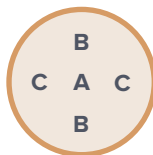
*pot idea*  
Powdered  
Smoked Gray



## Music of the Heart 🌞

makes  
25

- A 1 tray 25 ct Petunia Premium Easy Wave® Red
- B 1 tray 50 ct Calibrachoa Noa® Snow
- C 1 tray 50 ct Verbena Vanessa™ Compact Red



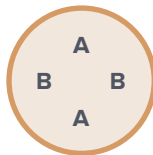
*pot idea*  
Light Mocha



## No Filter Needed 🌞

makes  
25

- A 1 tray 50 ct Petunia Vegetative Cascadias™ Purple Ice
- B 1 tray 50 ct Petunia Vegetative Capella™ Rose



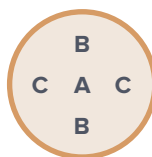
*pot idea*  
Light Mocha



## Out of the Blue

makes  
50

- A 1 tray 50 ct Petunia Vegetative Veranda™ Double Sugar Plum
- B 2 trays 50 ct Lobularia Stream™ Lavender
- C 2 trays 50 ct Verbena Estrella® Blueberry



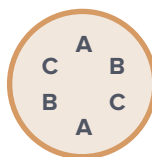
*pot idea*  
Brushed  
Champagne



## Paisley Print

makes  
25

- A 1 tray 50 ct Calibrachoa Noa® Yellow
- B 1 tray 50 ct Bacopa Scopio® Gulliver White
- C 1 tray 50 ct Verbena Estrella® Dark Purple



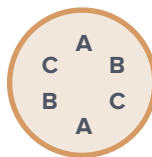
*pot idea*  
Warm Copper



## Palace Parade

makes  
25

- A 2 trays 25 ct Petchoa Caliburst™ Yellow
- B 2 trays 25 ct Petunia E3 Easy Wave® Pink Cosmo
- C 2 trays 25 ct Dichondra Silver Falls



*pot idea*  
Brushed  
Champagne

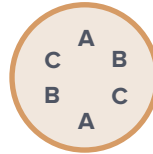




## Perfect Tonight

makes  
25

- A 2 trays 25 ct Petunia Premium Easy Wave® Pink Passion
- B 2 trays 25 ct Petunia Premium Easy Wave® Silver
- C 2 trays 25 ct Petunia Premium Shock Wave® Deep Purple



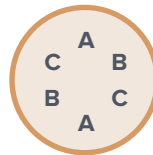
*pot idea*  
**Brushed  
Champagne**



## Perfectly Purple

makes  
25

- A 1 tray 50 ct Verbena Vanessa™ Compact Bicolor Purple
- B 1 tray 50 ct Verbena Vanessa™ Standard Purple
- C 1 tray 50 ct Verbena Vanessa™ Compact White



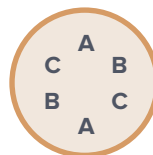
*pot idea*  
**Powdered  
Smoked Gray**



## Perhaps Love

makes  
25

- A 1 tray 50 ct Petunia Vegetative Capella™ Rose
- B 1 tray 50 ct Calibrachoa Noa® Snow
- C 1 tray 50 ct Verbena Vanessa™ Compact Deep Pink



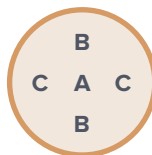
*pot idea*  
**Brushed  
Champagne**



## Pistachio Pops

makes  
24

- A 1 tray 24 ct Pennisetum rubrum
- B 1 tray 50 ct Helichrysum Licorice Silver
- C 2 trays 25 ct Ipomea Marguerite



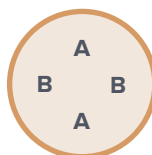
*pot idea*  
Brushed Teal



## Pixie Stix

makes  
25

- A 1 tray 50 ct Calibrachoa Candy Shop™ Sweet Dreams
- B 1 tray 50 ct Calibrachoa Candy Shop™ Grape Splash



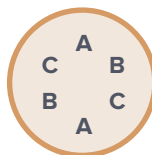
*pot idea*  
Brushed  
Champagne



## Plum Parfait

makes  
25

- A 1 tray 50 ct Bacopa Scopia® Gulliver Compact Purple
- B 1 tray 50 ct Petunia Vegetative Ray™ Purple Vein
- C 1 tray 50 ct Verbena Estrella® White



*pot idea*  
Light Mocha

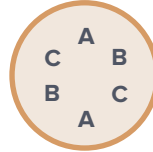




## Rapunzel

makes  
25

- A 1 tray 50 ct Calibrachoa Chameleon® Blueberry Scone
- B 1 tray 50 ct Calibrachoa Chameleon® Pink Diamond
- C 1 tray 50 ct Calibrachoa Chameleon® Tart Deco



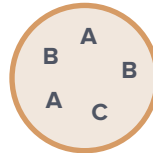
*pot idea*  
Powdered  
Smoked Gray



## Remember When

makes  
25

- A 2 trays 25 ct Begonia hiemalis Solenia® Apricot
- B 1 tray 50 ct Euphorbia Starblast™ Snowdrift
- C 1 tray 25 ct Heuchera Carnival Plum Crazy



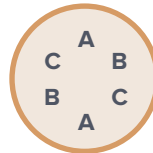
*pot idea*  
Brushed Teal



## Rose Explosion

makes  
25

- A 1 tray 50 ct Bidens Giant Sun Francisco
- B 1 tray 50 ct Calibrachoa Chameleon® Tart Deco
- C 1 tray 50 ct Verbena Estrella® Pink



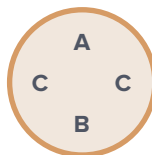
*pot idea*  
Powdered  
Smoked Gray



## Safari

makes  
50

- A 1 tray 50 ct Petunia Vegetative Crazytunia® Moonstruck
- B 1 tray 50 ct Calibrachoa Chameleon® Atomic Orange
- C 2 trays 50 ct Lysimachia nummularia Karat



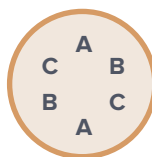
*pot idea*  
Light Mocha



## Salute

makes  
25

- A 2 trays 25 ct Petunia Premium Easy Wave® Red
- B 2 trays 25 ct Petunia Premium Easy Wave® White
- C 2 trays 25 ct Petunia Premium Easy Wave® Blue



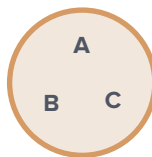
*pot idea*  
Powdered  
Smoked Gray



## Sandstone Breeze

makes  
50

- A 2 trays 25 ct Coleus Main Street Wall Street
- B 1 tray 50 ct Petunia Vegetative Ray™ Pistachio Cream
- C 1 tray 50 ct Petchoa SuperCal® Premium Caramel Yellow



*pot idea*  
Brushed  
Champagne

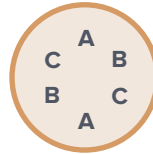




## Send in the Clowns

makes  
25

- A 1 tray 50 ct Calibrachoa Calibasket™ Yellow
- B 1 tray 50 ct Lobelia Hot+ Pretty Heaven
- C 1 tray 50 ct Verbena Estrella® Red



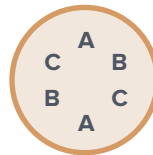
*pot idea*  
Warm Copper



## Shades of Summer

makes  
25

- A 1 tray 50 ct Calibrachoa Noa® Blue Legend
- B 1 tray 50 ct Calibrachoa Lia™ Melon
- C 1 tray 50 ct Calibrachoa Noa® Yellow



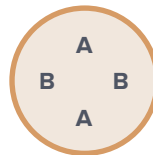
*pot idea*  
Warm Copper



## Sky Full Of Stars

makes  
25

- A 1 tray 50 ct Calibrachoa Candy Shop™ Grape Splash
- B 1 tray 50 ct Petunia Vegetative Splash Dance™ Purple Polka



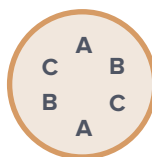
*pot idea*  
Powdered  
Smoked Gray



## Smoldering Summer

makes  
25

- A 1 tray 50 ct Bidens Golden Empire™
- B 1 tray 50 ct Calibrachoa Chameleon® Atomic Orange
- C 1 tray 50 ct Verbena Estrella® Red



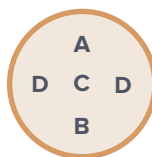
*pot idea*  
Warm Copper



## Spring Has Sprung

makes  
25

- A 1 tray 25 ct Petunia Premium Easy Wave® Blue
- B 1 tray 25 ct Petunia Premium Easy Wave® Pink Passion
- C 1 tray 25 ct Ipomea Marguerite
- D 1 tray 50 ct Lobelia Hot® Blue



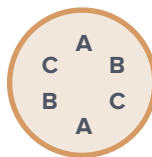
*pot idea*  
Brushed  
Champagne



## Strawberry Fields

makes  
25

- A 1 tray 50 ct Calibrachoa Calitastic® Bright Red
- B 1 tray 50 ct Calibrachoa Calitastic® White
- C 1 tray 50 ct Verbena Hurricane Red



*pot idea*  
Light Mocha

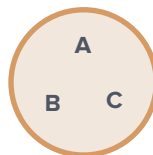




## Strawberry Taffy

makes  
50

- A 1 tray 50 ct Petunia Vegetative Capella™ Rose
- B 1 tray 50 ct Calibrachoa Eyeconic™ Cherry Blossom
- C 1 tray 50 ct Verbena Vanessa™ Standard Bicolor Pink



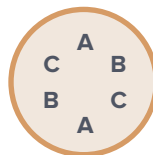
*pot idea*  
**Brushed  
Champagne**



## Street Style

makes  
25

- A 2 trays 25 ct Petunia Premium Easy Wave® Pink Passion
- B 1 tray 50 ct Calibrachoa Calitastic® Raspberry
- C 1 tray 50 ct Verbena Voodoo™ Pink Star



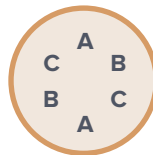
*pot idea*  
**Brushed  
Champagne**



## Strong & Free

makes  
25

- A 1 tray 50 ct Petunia Vegetative Capella™ Ruby Red
- B 1 tray 50 ct Bacopa Scopia® Gulliver White
- C 1 tray 50 ct Verbena Vanessa™ Compact Red



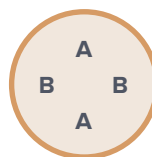
*pot idea*  
**Brushed  
Champagne**



## Sunshine & Storm

makes  
25

- A 2 trays 25 ct Petunia Premium Easy Wave® Blue
- B 1 tray 50 ct Bidens Yellow Crown™



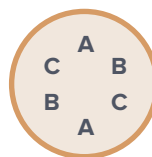
*pot idea*  
Light Mocha



## Sweet Dreams

makes  
25

- A 2 trays 25 ct Petunia Premium Easy Wave® Violet
- B 2 trays 25 ct Petunia Premium Easy Wave® White
- C 2 trays 25 ct Petunia Premium Easy Wave® Plum Vein



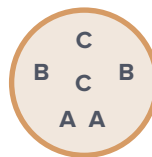
*pot idea*  
Brushed  
Champagne



## Sweet Velour

makes  
25

- A 2 trays 25 ct Angelonia Serena® Rose
- B 2 trays 25 ct Dichondra Silver Falls
- C 1 tray 50 ct Petunia Vegetative Crazytunia® Cosmic Purple



*pot idea*  
Brushed  
Champagne

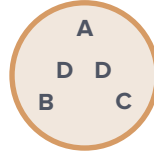




## Tangled Up in Blue

makes  
25

- A 1 tray 25 ct Petunia Premium Easy Wave® Blue
- B 1 tray 25 ct Petunia Premium Easy Wave® Violet
- C 1 tray 25 ct Petunia Premium Easy Wave® White
- D 1 tray 50 ct Verbena Estrella® Dark Purple



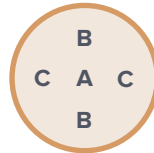
*pot idea*  
Light Mocha



## Tied Up in Pink

makes  
50

- A 1 tray 50 ct Petunia Vegetative Surprise® Tie Dye Pink
- B 2 trays 50 ct Calibrachoa Calitastic® Ballerina
- C 2 trays 50 ct Verbena Vanessa™ Standard Bicolor Pink



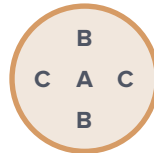
*pot idea*  
Brushed Champagne



## Touch of Lavender

makes  
25

- A 1 tray 25 ct Alternanthera Purple Prince
- B 1 tray 50 ct Sunpatiens® Compact Orchid Blush
- C 1 tray 50 ct Lamium Orchid Frost



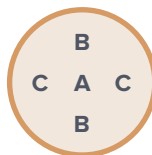
*pot idea*  
Brushed Champagne



## Twilight Hues

makes  
50

- A 1 tray 50 ct Calibrachoa Lia™ Bubblegum
- B 2 trays 50 ct Verbena Vanessa™ Compact Red
- C 2 trays 50 ct Petunia Vegetative Capella™ Indigo



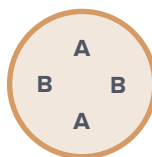
*pot idea*  
**Brushed  
Champagne**



## Two's Company

makes  
25

- A 1 tray 50 ct Petchoa SuperCal® Blue
- B 1 tray 50 ct Petchoa SuperCal® Rose



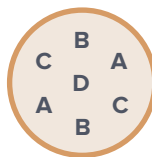
*pot idea*  
**Powdered  
Smoked Gray**



## Unlikely Lime

makes  
25

- A 1 tray 50 ct Angelonia Alonia™ Big Blue
- B 1 tray 50 ct Calibrachoa Skywalker™
- C 1 tray 50 ct Helichrysum Limelight
- D 1 tray 25 ct Celosia Kelos® Fire Lime



*pot idea*  
**Brushed  
Champagne**

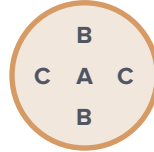




## Vintage Soiree

makes  
25

- A 1 tray 25 ct Coleus Great Falls Niagara
- B 1 tray 50 ct Verbena Empress® Sun Red
- C 1 tray 50 ct Calibrachoa Calitastic® Butter



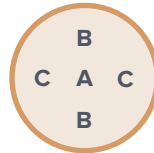
*pot idea*  
Warm Copper



## Watercolors

makes  
50

- A 1 tray 50 ct Petunia Vegetative Capella™ Hello Yellow
- B 2 trays 50 ct Calibrachoa Ombre™ Pink
- C 2 trays 50 ct Verbena Vanessa™ Compact Bicolor Rose



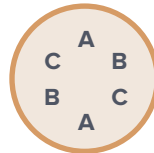
*pot idea*  
Brushed Champagne



## When Stars Come Out

makes  
25

- A 1 tray 50 ct Calibrachoa Calitastic® Ice Blue
- B 1 tray 50 ct Calibrachoa Calitastic® Violaceous
- C 1 tray 50 ct Calibrachoa Calitastic® White



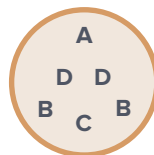
*pot idea*  
Light Mocha



## Whispers of Dawn

makes  
25

- A 1 tray 25 ct Geranium Zonal Patriot Rosalinda
- B 1 tray 50 ct Sunpatiens® Compact Classic White
- C 1 tray 25 ct Ipomea Flora Mia Cameo
- D 1 tray 50 ct Verbena Vanessa™ Compact Bicolor Rose



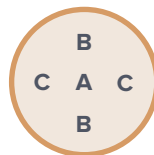
*pot idea*  
Light Mocha



## Wild Berry Meringue

makes  
25

- A 1 tray 25 ct Petunia Premium Easy Wave® White
- B 1 tray 50 ct Verbena Estrella® Red
- C 1 tray 50 ct Lobelia Anabel® Brilliant Blue



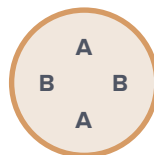
*pot idea*  
Brushed  
Champagne



## Wild Blue Yonder

makes  
25

- A 1 tray 50 ct Verbena Vanessa™ Standard Purple
- B 1 tray 50 ct Petunia Vegetative Amoré® Purple



*pot idea*  
Brushed  
Champagne

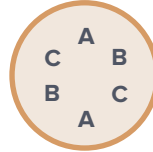




## Wine & Cheese

makes  
25

- A 1 tray 50 ct Petunia Vegetative Amore® Heart & Soul
- B 1 tray 50 ct Petunia Vegetative Surprise Mardi Gras
- C 1 tray 50 ct Verbena Empress® Flair Burgundy Star



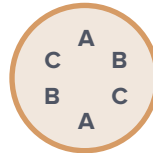
*pot idea*  
**Brushed  
Champagne**



## With All My Heart

makes  
25

- A 1 tray 50 ct Petunia Vegetative Amore® Queen of Hearts
- B 1 tray 50 ct Calibrachoa Noa® Yellow
- C 1 tray 50 ct Lobelia Hot+ Dark Blue



*pot idea*  
**Warm Copper**

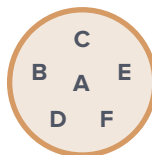




## Country Kitchen

makes  
25

- A 1 tray 25 ct Basil Rutgers Devotion DMR
- B 1 tray 25 ct Chives Garlic
- C 1 tray 25 ct Parsley Darki
- D 1 tray 25 ct Thyme vulgaris English
- E 1 tray 25 ct Marjoram Sweet
- F 1 tray 25 ct Sage Purple



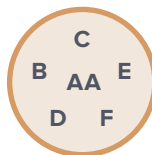
pot idea  
Fieldstone



## French Cuisine

makes  
25

- A 1 tray 50 ct Rosemary Gorizia
- B 1 tray 25 ct Parsley Giant of Italy
- C 1 tray 25 ct Sage Purple
- D 1 tray 25 ct Thyme faustinoi French
- E 1 tray 25 ct Tarragon French
- F 1 tray 25 ct Melissa Lemon Balm



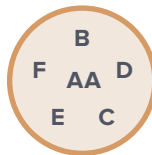
pot idea  
Fieldstone



## Italian Chef's Choice

makes  
25

- A 1 tray 50 ct Rosemary Barbecue
- B 1 tray 25 ct Basil Amethyst
- C 1 tray 25 ct Thyme Golden Lemon Variegated
- D 1 tray 25 ct Oregano Hot 'n Spicy
- E 1 tray 25 ct Oregano Variegated
- F 1 tray 25 ct Basil Rutgers Devotion DMR



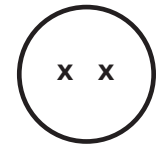
pot idea  
Fieldstone



# EASYLINERS™

A trio of colors, all in 1 cell, allows you to make beautifully coordinated combos without a pattern or a planning session! We have grown and tested these EasyLiners™ to ensure that the separate varieties work well together for habit and bloom time. EasyLiners™ will come with a large color tag depicting the finished combination and a list of the varieties included.

## Plants Per Pot



2 LINERS PER  
12-13" CONTAINER



1 LINER PER  
6" POT

We suggest using two liners to fill out our recommended 13" planter or 12" basket. Also suitable as 1 liner per 6" pot. Suggested containers sold separately.

Available weeks 1-17. Be sure to prebook, as these will be limited on speculation. Grow following our handy cultural tips.

## You get...

One tray of 50 multi-stuck liners and 50 tags.



## You grow...

Beautiful combinations.



## Bonfire

Petchoa SuperCal® Premium Caramel Yellow

Petchoa SuperCal® Premium Cinnamon

Petchoa SuperCal® Premium French Vanilla



*pot idea*  
Warm Copper



## Festival

Calibrachoa Noa® Blue Legend

Calibrachoa Noa® Dark Pink Carnival

Calibrachoa Noa® Yellow



*pot idea*  
Brushed Teal



## Hummingbird Haven

Calibrachoa Colibri™ Yellow Canary

Calibrachoa Colibri™ Tangerine

Calibrachoa Colibri™ Pink Flamingo

50  
TAGS



*pot idea*

**Brushed Champagne**



## Pink Lemonade

Calibrachoa Noa® Yellow

Calibrachoa Noa® Dark Pink Carnival

Calibrachoa Eyeconic™ Cherry Blossom

50  
TAGS



*pot idea*

**Brushed Teal**



## Spring Soiree

Calibrachoa Noa® Blue Legend

Calibrachoa Lia™ Melon

Calibrachoa Noa® Yellow

50  
TAGS



*pot idea*

**Brushed Champagne**



## Very Berry Pie

Calibrachoa Eyeconic™ Cherry Blossom

Calibrachoa Noa® Blue Legend

Calibrachoa Noa® Dark Pink Carnival

50  
TAGS



*pot idea*

**Brushed Champagne**



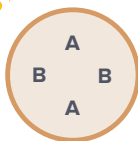
# WAVE® COMBOS

Our Easy Wave® and Shock Wave® mixes are available as combos. You'll get strips of each individual color. Now you don't have to wonder if your mixed containers actually included all colors. Makes 25 8-10" combos.

## 2 Color Mix

makes  
25

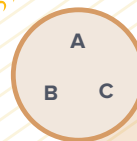
2 trays 25 ct Each Color  
25 tags Wave® Mix



## 3 Color Mix

makes  
25

1 tray 25 ct Each Color  
25 tags Wave® Mix



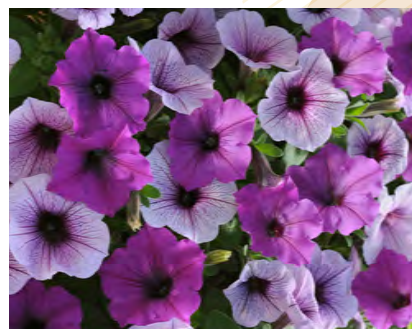
3  
COLOR  
MIX

**Great Lakes**  
EASY WAVE® VIOLET  
EASY WAVE® BLUE  
EASY WAVE® WHITE



2  
COLOR  
MIX

**Mad About Red**  
EASY WAVE® RED VELOUR  
E3 EASY WAVE® YELLOW



2  
COLOR  
MIX

**Plum Pudding**  
EASY WAVE® PLUM VEIN  
EASY WAVE® VIOLET



3  
COLOR  
MIX

**Rosy Kisses**  
E3 EASY WAVE® YELLOW  
EASY WAVE® ROSY DAWN,  
SHOCK WAVE® DEEP PURPLE



3  
COLOR  
MIX

**Shock Wave Power**  
SHOCK WAVE® DEEP PURPLE  
SHOCK WAVE® WHITE  
SHOCK WAVE® ROSE



3  
COLOR  
MIX

**South Beach**  
EASY WAVE® RED  
EASY WAVE® VIOLET  
EASY WAVE® CORAL REEF



2  
COLOR  
MIX

**Starfish**  
EASY WAVE® BURGUNDY STAR  
EASY WAVE® WHITE



3  
COLOR  
MIX

**Very Valentine**  
EASY WAVE® PINK PASSION  
EASY WAVE® WHITE  
EASY WAVE® RED VELOUR



# ANNUALS

BEDDING PLANTS





page  
59

## CELOSIA

### Flamma Orange

With non-fading, vibrant plumes, this Celosia series boasts exceptional heat tolerance, making it an ideal choice for stunning and resilient outdoor displays.

page  
76



## PETCHOA

### Caliburst Yellow

Introducing the first Petchoa grown from seed! This vibrant yellow variety has the controlled habit and flower size of a petunia, and will last all season.

page  
82



## SNAPDRAGON

### DoubleShot Orange Bicolor

Gorgeous open-faced double flowers emerge in beautiful warm shades of orange. Strong stems produce more branches for a higher flower count!





# PETER'S PICKS

There are so many great genetics available that it's really hard to pick! A few however stand out in repeated trials in different conditions and landscapes. These are the foundational products for my "Peter's Picks", while others are significant upgrades or incredible "show-stoppers". All are sure to please!

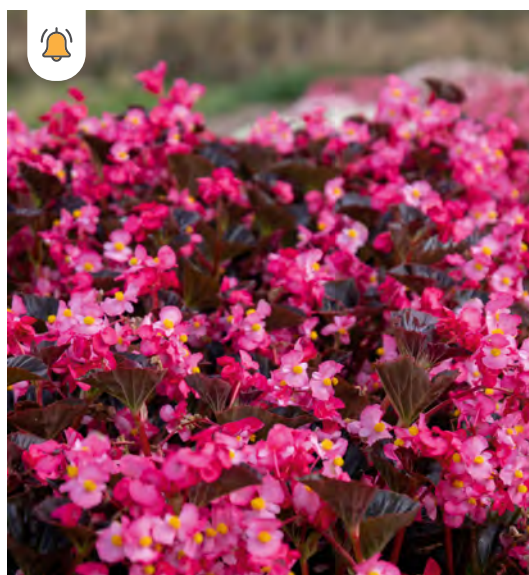
*Peter*



ANGELONIA SERENA SERIES P53



BEGONIA DRAGON WING RED P53



BEGONIA STONEHEDGE ROSE WITH BRONZE LEAF P56



BEGONIA WHOPPER WHITE WITH GREEN LEAF P56



BEGONIA GRYPHON P54



BEGONIA VIKING XL RED ON CHOCOLATE P56



CANNA CANNOVA SERIES P58





CELOSIA FLAMMA  
ORANGE P59



DIANTHUS JOLT SERIES P62



HELIANTHUS SUNFINITY P64



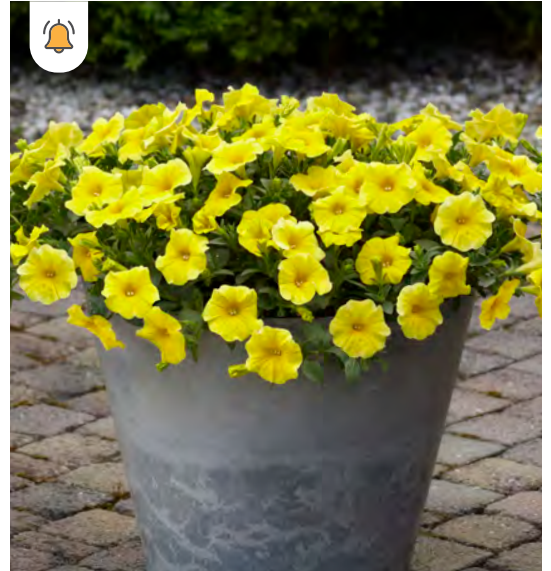
IMPATIENS BEACON SERIES P65



MARIGOLD ENDURANCE SUNSET GOLD P72



PETUNIA E3 EASY  
WAVE SERIES P78



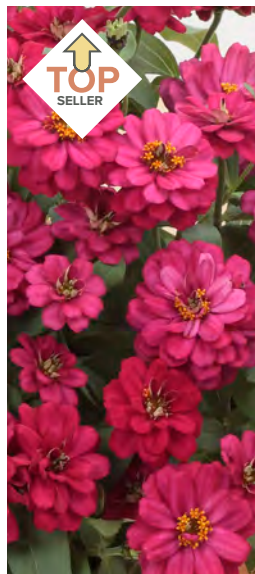
PETCHOA CALIBURST YELLOW P76



SALVIA VICTORIA BLUE P82



VINCA CORA XDR SERIES P85



ZINNIA PROFUSION DOUBLE  
HOT CHERRY P89



ZINNIA ZYDECO FIRE P89





We're offering most of our popular annuals and vegetables in a half 512 tray. Get the benefit of low input costs while increasing the number of varieties that you can offer, or use the half tray to divide up planting in order to keep product fresher. [See order form for complete listing.](#)

DON'T MISS OUR

# HALF 512 TRAYS

AVAILABLE IN 350 VARIETIES

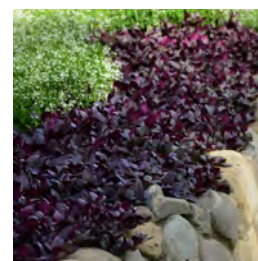
# ANNUALS

## Ageratum

**Aloha Blue** - Dwarf, early flowering and is best suited in packs and 4" pots. Excellent in the garden. Fluffy blue flowers. Height 5-8". Spread 8-12".



AGERATUM ALOHA BLUE



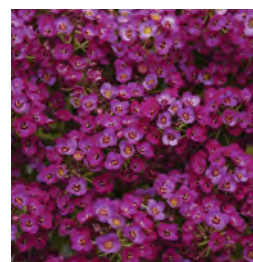
ALTERNANTHERA PURPLE PRINCE

## Alternanthera

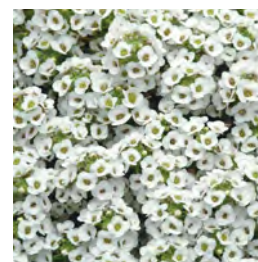
**Purple Prince** - Compact alternanthera from seed forms a durable carpet of ruby/burgundy foliage good for summer landscapes. Resists damage from both drought and heavy rain. Height 10-16".



ALYSSUM CLEAR CRYSTAL LAVENDER SHADES



ALYSSUM CLEAR CRYSTAL PURPLE SHADES



ALYSSUM CLEAR CRYSTAL WHITE

## GROWING TIPS ALYSSUM

### How can I get my Alyssum to green up after it arrives?

It seems common that Alyssum appears a little worse for wear after transportation. A simple solution is to get it into the light and air and let it dry off. While still in the plug tray, give it a good feeding at about 100 ppm, then transplant. It should green right up.



ALYSSUM CLEAR CRYSTAL MIX



ALYSSUM GIGA WHITE

## Alyssum

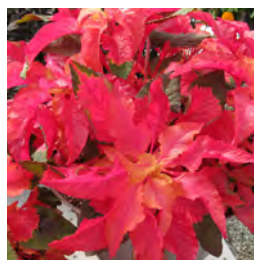
**Clear Crystal®** - A tetraploid alyssum. Vigorous and large-flowered. Very showy, exhibits more heat tolerance than regular Alyssum. Height 6-10". Spread 12-14".

**Lavender Shades**

**Purple Shades**

**White**

**Mix**



AMARANTHUS EARLY SPLENDOR



AMARANTHUS VELVET CURTAINS

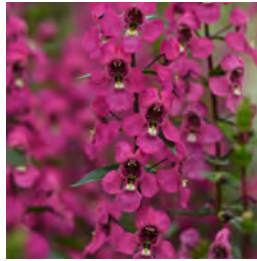


ANGELONIA SERENA BLUE





ANGELONIA SERENA PURPLE



ANGELONIA SERENA ROSE



ANGELONIA SERENA WHITE



ANGELONIA SERENA MIX



ANGELONIA SERENITA MIX



ASPARAGUS SPRENGERI



ASTER BALL FLORIST MIX



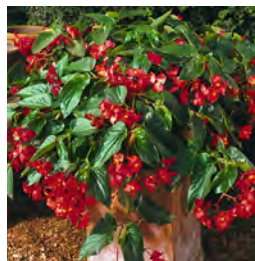
ASTER PIXIE PRINCESS MIX



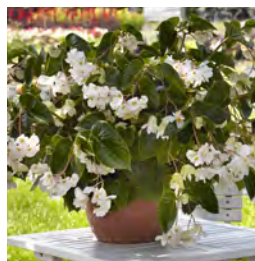
BEGONIA DRAGON WING PINK



DRAGON WING RED BRONZE LEAF



DRAGON WING RED



DRAGON WING WHITE

**Giga White** - Tidy pack performance, fast to flower, yet surprisingly weather tolerant. Boasts the largest white blooms from seed. Height 3'.

## Amaranthus

**Early Splendor** - Also known as 'Summer Poinsettia' due to the similarity of the bracts, the large bronzy-green leaves turn to rosy red as the season progresses. It adds an explosion of colour to the garden, landscape or patio pots. Height 3-4'.

**Velvet Curtains** - Intense, dark crimson flowers over burgundy foliage. Easily field grown for cut flowers, fresh or dried. Height of 36". Hardy annual.

## Angelonia

**Serena®** - Branches very well without pinching. Blooms continuously without deadheading. Great for garden borders and landscapes in moderate to hot climates. A premium annual. Garden height of 10-12", up to 18" in high temperature areas.

**Blue** - with large flowers

**Purple**

**Rose**

**White**

**Mix**

**Serenita Mix** - 2-4" shorter than the Serenas. Good in extremely high temperature areas or as a smaller structure Angelonia for northern growers. Considered 'elegant and tough' in the landscape, garden border, or container. Long lasting color with very little maintenance. Do not pinch.

## Asparagus

**Sprengeri** - Dark green coarse needlelike leaves. Great accent in baskets or planters. Bears fragrant pink flowers and red berries at Christmas time. Heat and drought tolerant ground cover in areas with little or no frost. Sprays 2' long and 2-3' wide.

## Aster

**Ball Florist Mix** - Tall aster for cutting. Double flowers in mixed shades. Blooms mid summer to fall. Height 25-28". Spread 20-25".

**Pixie Princess Mix** - A dwarf mix of pink, white, scarlet and blue, bearing 2 1/2-3" fully double blooms. Flowers mid-season. Not recommended for landscaping, but is good for bowls and patio pots. Deadheading will encourage more flowers to bloom. Height 8-9". Spread 6-7".

## Begonia - Angel Wings

**Dragon Wing®** - An amazing, spreading bedding plant, which is also spectacular for hanging baskets and containers. Has "angel wing" leaves and large 2-2 1/2" blooms. Good for sun or shade and is very heat tolerant and gardener friendly. Height 12-15". Spread 15-18".

**Pink** - pastel pink, deepens to rosy-red in high light

**Red** - salmon-red

**NEW Red Bronze Leaf**

**White** - Shows slight blushing in high temperatures. Will flower 1-2 weeks earlier than pink. Flowers are smaller; habit more vigorous.





## Begonia - boliviensis

**Funky®** - Outstanding, large bright blooms range from single to fully double and are extremely plentiful. Excellent for hanging baskets and large containers. Full to partial shade. Height 8-12". Spread 12-18".

**Pink**

**Red**

**Groovy** - F1 hybrid. This series makes shipping easier with its mounded semi-trailing habit. Provides a beautiful retail display with tons of large flowers that are uniform across the series. Use in baskets, pots, and large containers. Height 12-16".

**Mellow Yellow** - bicolor orange/yellow

**Red**

**Rose**

**White** - no blushing

**Santa Cruz®** - This workhorse produces an abundance of fiery red-orange single blooms. The boliviensis type from seed offers growers an extremely heat-tolerant, floriferous plant, outstanding in hanging baskets. Thrives in sun or shade. Height 12-16".

## Begonia - Fancy Leaf

**Gryphon** - Rex-like begonia with silver over dark green leaves in palmate shape. Tropical looking plant is versatile for both indoor and outdoor sales. Height 12-16".

**NEW Silver Spot** - An attractive and unique fancy leaf begonia with an upright habit. The medium green leaves show off silver spots and dark red backs. Height 4-10". Spread 4-10".

## Begonia - Fibrous

**Cocktail®** - A versatile, free flowering type with bronze foliage. Excellent in both sun and partial shade. Flower size 1-1¼". Height 7-9".

**Gin** - rose

**Tequila** - hot, shiny rose

**Vodka** - red

**Whiskey** - white

**Mix**

**Nightlife** - Ideal bedding plant, this uniform, early flowering, dark bronze leaf begonia develops well-branched plants with large blooms. Excellent garden performance. Height 6-8". Full sun and partial shade to shade.

**Pink**

**Red**

**White**

**Mix**

**Senator iQ** - Early flowering with dark leaves. Great garden performance with heat-tolerance and weather-resistance. Flower size ¾-1". Height 8-10".

**Deep Rose**

**Pink**

**Rose Bicolor**

**Scarlet**

**White**

**Mix**



FUNKY PINK



FUNKY RED



GROOVY MELLOW YELLOW



GROOVY RED



GROOVY ROSE



GROOVY WHITE



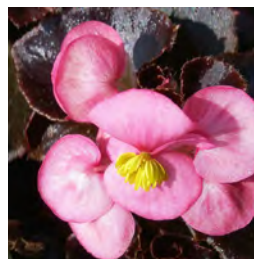
SILVER SPOT



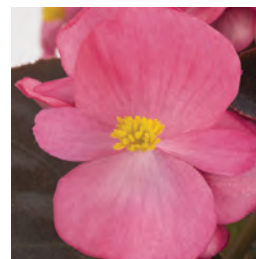
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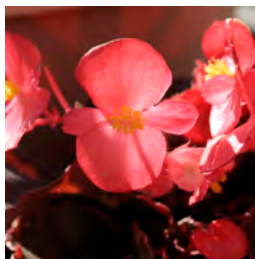
GRYPHON



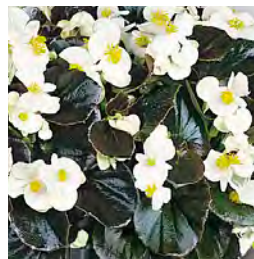
COCKTAIL GIN



COCKTAIL TEQUILA



COCKTAIL VODKA



COCKTAIL WHISKEY



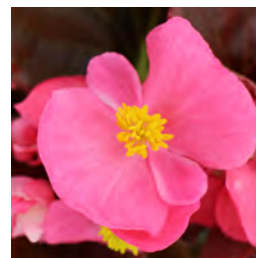
NIGHTLIFE PINK



NIGHTLIFE RED

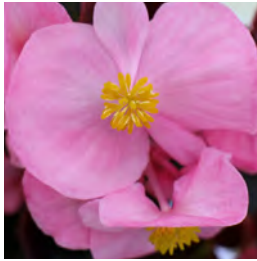


NIGHTLIFE MIX

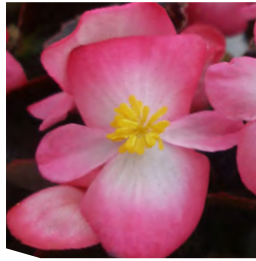


SENATOR IQ DEEP ROSE





SENATOR IQ PINK



SENATOR IQ ROSE BICOLOR



SENATOR IQ SCARLET



SENATOR IQ MIX



SUPER COOL LIPSTICK



SUPER COOL PINK



SUPER COOL RED



SUPER COOL MIX



SUPER OLYMPIA BICOLOR



SUPER OLYMPIA PINK



SUPER OLYMPIA RED



SUPER OLYMPIA ROSE



SUPER OLYMPIA MIX



BIG DEEP ROSE WITH  
BRONZE LEAF



BIG RED WITH BRONZE LEAF



BIG RED WITH GREEN LEAF



BIG ROSE WITH GREEN LEAF



BIG WHITE WITH GREEN LEAF

**Super Cool** - Extremely large flowers, well branched, and very floriferous. Can be grown cooler. Well suited for packs and pots. Will flower within 2-3 days of each other. Height 10-12".

#### NEW Lipstick

Pink

Red

White

Mix

**Super Olympia®** - Great landscape performance. Broad plants display ¾" blooms and a compact, uniform habit. Standard green leaf. Good in the South. Height 6-8".

#### Bicolor

Pink

Red

Rose

White

Mix

## Begonia - Landscape

**Big®** - If you want a BIG, showy landscape or container display, this series is for you. Tolerant to sun or shade, cool or hot, this begonia fills and flowers, creating a truly massive, beautiful bed that is also easy-care. Old flowers are typically shed outside the leaf canopy, so messy botrytis is avoided. If you want something different, think "BIG". Height 24-30".

#### Deep Rose with Bronze Leaf

#### NEW Pink with Green Leaf

Red with Bronze Leaf

Red with Green Leaf

Rose with Green Leaf

White with Green Leaf



BEGONIA BIG PINK  
WITH GREEN LEAF





**NEW Stonehedge Rose with Bronze Leaf** - The first interspecific landscape begonia! Creates a dense, vigorous “hedge” effect in the landscape, but can also be used in containers with its mounded habit. Rain, heat and drought tolerant. Height 40-48". Spread 27-32".

**Viking® XL Red on Chocolate** - Striking dark chocolate colored foliage with bright red blooms! A heat-loving plant that flowers nonstop for months. Use this giant all-weather begonia for fast-growing massive color. A great choice for shady to semi-shady areas of the garden and patio. Height 28-34". Spread 32-36".

**Whopper®** - What's bigger than “Big” begonias? Whopper! Fantastic in the landscape or jumbo containers, Whopper puts on a show of extra large flowers spring through fall, with great heat tolerance. Sell green in 4" pots or in color in 6" or gallons. Height 34". Spread 22".

**Red with Bronze Leaf**

**Red with Green Leaf**

**Rose with Bronze Leaf**

**Rose with Green Leaf**

**White with Green Leaf** - A little shorter than the rest of the series.

## Begonia - Spreading

**Viking® Explorer** - Extra large flowers sit on glossy foliage. Its unique trailing habit shows color on the top and sides for high impact color. Early flowering that matches the Viking series. All-weather resistant, use in containers, hanging baskets and mixed combos. Height 20-24". Spread 35-39".

**Red on Green**

**Rose on Green** - AAS National Gold Medal Winner

## Begonia - Tuberous

**AmeriHybrid® Picotee** - With beautiful 4-8" flowers, this begonia creates an outstanding display of color. Great in planters, shade gardens, pots, hanging baskets and window boxes. F1 hybrid. Height 14-20". Spread 10-12".

**Lace Pink** - pink blooms with white edge

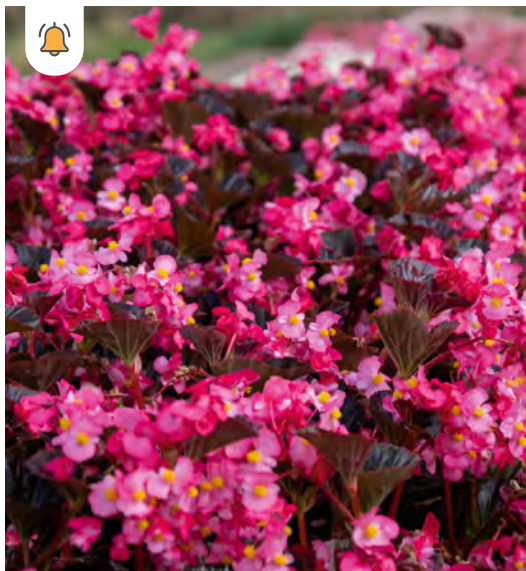
**Lace Red** - red blooms with white edge

**AmeriHybrid® Ruffled** - A premium Begonia for your retail market. Beautiful 5-9", highly consistent double ruffled blooms create a showy blast of color from spring to autumn. Use in planters, shade gardens, pots, hanging baskets and window boxes. Upright habit. Height 14-20". Spread 10-12".

**Pink**

**Scarlet Red**

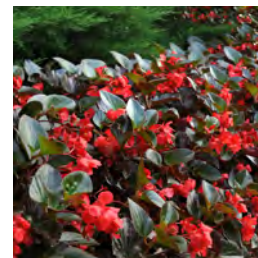
**Yellow**



STONEHEDGE ROSE WITH BRONZE LEAF



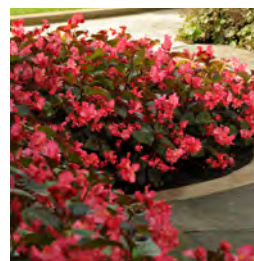
VIKING XL RED ON CHOCOLATE



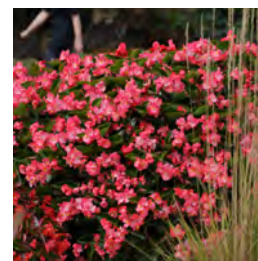
WHOPPER RED WITH BRONZE LEAF



WHOPPER RED WITH GREEN LEAF



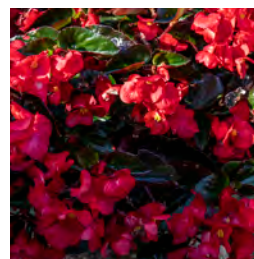
WHOPPER ROSE WITH BRONZE LEAF



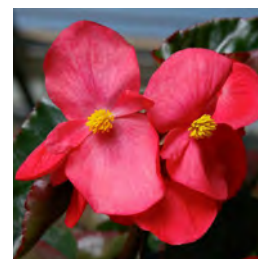
WHOPPER ROSE WITH GREEN LEAF



WHOPPER WHITE WITH GREEN LEAF



VIKING EXPLORER RED ON GREEN



VIKING EXPLORER ROSE ON GREEN



AMERIHYBRID PICOTEE LACE PINK



AMERIHYBRID PICOTEE LACE RED



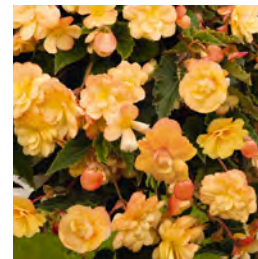
AMERIHYBRID RUFFLED PINK



AMERIHYBRID RUFFLED SCARLET RED



AMERIHYBRID RUFFLED YELLOW



ILLUMINATION APRICOT SHADES





ILLUMINATION  
GOLDEN PICOTEE



ILLUMINATION LEMON



ILLUMINATION ROSE



ILLUMINATION SCARLET



ILLUMINATION MIX



NONSTOP APPLEBLOSSOM



NONSTOP DEEP ROSE



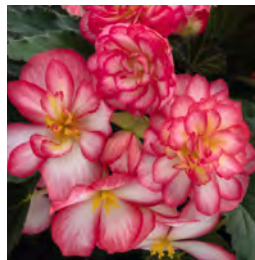
NONSTOP ORANGE



NONSTOP PINK



NONSTOP RED



NONSTOP ROSE PICOTEE



NONSTOP SUNSET



NONSTOP YELLOW  
IMPROVED



NONSTOP YELLOW RED BACK



NONSTOP JOY MOCCA WHITE



NONSTOP JOY YELLOW



NONSTOP JOY MIX

**Illumination®** - An F1 hybrid that features a large, cascading habit with an abundance of 2½-3" double blooms. Spectacular display of flowers all summer long in baskets and window boxes. Requires lighting until mid-March.

**Apricot Shades**

**Golden Picotee**

**Lemon**

**Rose**

**Scarlet**

**Mix**

**Nonstop®** - Free-flowering series bears masses of double and semi-double flowers measuring 3½-4½" across. Blooms continuously despite warm temperatures. Excellent for pots, baskets, window boxes, and planters. Requires lighting until mid-March. Height 8-10".

**Appleblossom** - white with rose pink

**Deep Rose**

**Fire** - yellow/orange center w/dark orange/red picotee

**Orange** - bright orange

**Pink** - pale to deeper pinks

**Red**

**Rose Picotee** - white with deep rose picotee

**Sunset** - bright orange w/bicolor yellow center

**White** - pure white with yellow center

**Yellow Improved**

**Yellow Red Back** - yellow with red on back petals

**Mix**

**Nonstop® Joy** - A sub-series to the popular Non-stop. Prolific blooms, carried on a well-branched, mounded habit. Flowers show on the outside of the domed canopy, giving an excellent presentation. Height 8-12".

**Mocca White** - white, dark leaves

**Yellow**

**Mix** - Orange, Red, Rose Picotee, White, Yellow



BEGONIA NONSTOP FIRE





**Nonstop® Mocca** - Early and uniform bronze-leaved series. Numerous, large, fully-double flowers. Mounding habit and early lateral branching.

**Deep Orange**

**Deep Red**

**Pink Shades**

**Yellow**

**Mix**

**NEW Prism Sunset** - This vigorous begonia shows off massive 4-5" yellow blooms that are tinged with peach and red. The dark leaves with bright green veins sit below the flowers, reducing the risk of boytritis. Great for shaded window boxes, baskets, and containers. Height 10-13". Spread 16-19".

## Calendula

**Costa Mix** - A very uniform series with large flowers. Strong, vigorous plants, especially suited to cool weather production. Early blooming, 8-9 weeks from sowing. Height 10-12".

## Canna

**Cannova®** - A hybrid form of seed-started Cannas with improved germination, vigor, earliness and branching. What also makes Cannova cannas unique is that in addition to being grown in larger pot sizes and containers, they can also be raised to their fully mature flowering stage in a pot as small as quart. Height is determined by pot size, so you can "program" your plant to match your pot. Cracking color is as early as 120 days from seed (so approximately 12 weeks after you receive your plugs from us.) Height 30-48".

**Bronze Leaf Orange**

**Bronze Leaf Scarlet**

**NEW Bronze Peach**

**Mango**

**Orange Shades**

**Red Golden Flame** - bright red outlined with golden yellow

**Rose**

**NEW Rose Dark Bud**

**NEW Red Shades**

**Scarlet**

**Yellow**

## Celosia

**Armor Mix** - Attractive, large, crested combs in brilliant colors. Extremely heat tolerant, making this an excellent choice for summer pot programs. Vigorous plants reach heights of 8-16".

**Century Mix** - Ideal for cut flowers. 13" plumes atop basal-branching 24" plants. Heat tolerant. Mix includes: Fire, Red (bronze foliage), Rose, Yellow.

**First Flame Purple** - Unique purple color is displayed on multiple branches for a full show in beds or containers. Great heat tolerance, very early to bloom. Height 10-14".



NONSTOP MOCCA  
DEEP ORANGE



NONSTOP MOCCA DEEP RED



NONSTOP MOCCA  
PINK SHADES



NONSTOP MOCCA YELLOW



NONSTOP MOCCA MIX



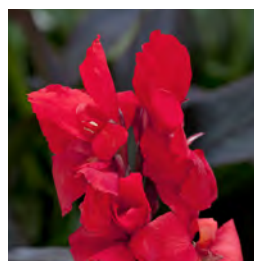
CALENDULA COSTA MIX



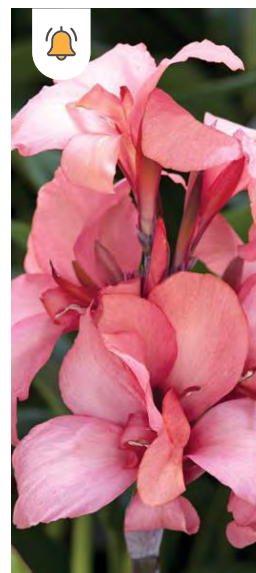
PRISM SUNSET



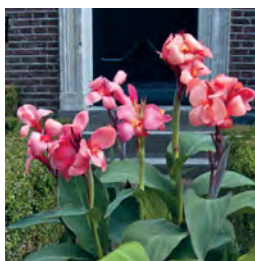
CANNA CANNOVA  
BRONZE LEAF ORANGE



CANNA CANNOVA  
BRONZE LEAF SCARLET



CANNA CANNOVA  
BRONZE PEACH



CANNA CANNOVA MANGO



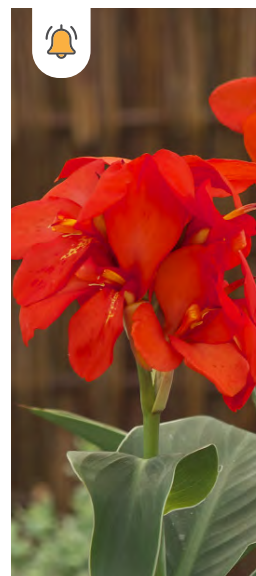
CANNA CANNOVA  
ORANGE SHADES



CANNA CANNOVA RED  
GOLDEN FLAME



CANNA CANNOVA ROSE



CANNA CANNOVA  
RED SHADES





CANNA CANNOVA SCARLET



CANNA CANNOVA YELLOW



CELOSIA ARMOR MIX



CELOSIA CENTURY MIX



CELOSIA FIRST  
FLAME PURPLE



CELOSIA FIRST  
FLAME PURPLE



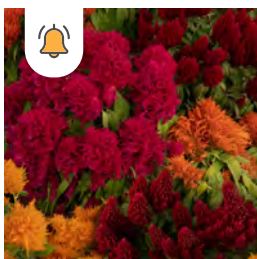
CELOSIA FLAMMA GOLD



CELOSIA FLAMMA ORANGE



CELOSIA FLAMMA RED



CELOSIA FLAMMA MIX



CELOSIA KIMONO MIX



CELOSIA FASHION LOOK MIX



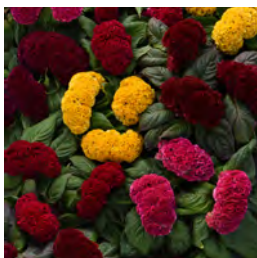
CELOSIA FRESH LOOK MIX



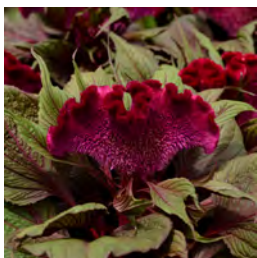
CELOSIA NEW LOOK



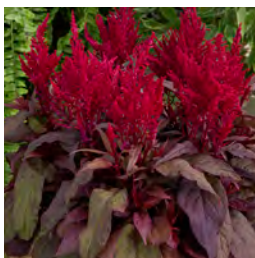
CELOSIA TORNADO RED



CELOSIA CONCERTINA MIX



CELOSIA DRACULA



CELOSIA DRAGON'S BREATH

**Flamma** - Boasts vibrant plumes in vivid colors that won't fade. Exceptional heat tolerance with early, uniform flowering on a compact habit. Height 16-18". Spread 10-12".

**NEW Gold**

**NEW Orange** - AAS Winner

**NEW Red**

**NEW Mix** - Bright Red, Gold, Orange, Red and Rose

**Kimono Mix** - Contains 8 colors - Cherry Red, Cream, Orange, Red, Rose, Salmon Pink, Scarlet and Yellow. These very dwarf 5-6" plants have 2½" plumes. Superb heat tolerance.

**Look** - Very popular series. Excellent for landscaping. Does very well in the South. Bears long plumes on 14-16" plants.

**Fashion Look Mix** - mixture of Fresh Looks plus New Look

**Fresh Look Mix** - Gold, Orange, Red, Yellow

**New Look®** - large red plumes on bronzy-red foliage

**Tornado Red** - A tall, cockscomb type plume with striking large red blooms that reach up to 6" across! Height 24".

## Celosia Premium

**Concertina Mix** - Large cockscomb celosia features a wide range of colors on a mix of dark and green foliage. Dark leaf Pink and Red are slightly more vigorous. Use as potted plants or in patio containers in a sunny location. Blooms late spring into the summer. Height 8-10". Spread 6-8".

**Dracula** - Novelty celosia features one huge cockscomb-type bloom atop the plant. Dark green leaves with red tones are highlighted by the dark red-purple cockscomb which lasts for weeks and may expand up to 12" wide. Height 12-16".

**Dragon's Breath** - As awe-inspiring as it sounds! Features striking red foliage with bright red plumes. Great performance in heat and humidity. Suited for gallons or mixed containers, mass plantings, an accent, or a cut flower. Height 24".



CANNA CANNOVA  
ROSE DARK BUD





## Cleome

**Queen Mix** - Airy 5-6" flower clusters on strong, sturdy stems make an excellent statement at the back of the beds. Open pollinated, re-seeds itself. Height 48-72".

**Sparkler™ Mix** - A lovely blend of lavender, rose, white, and blush colors with a long bloom time and excellent heat tolerance. Can be used in 6" annual programs, landscapes or patio pots. Garden height 36-45". Spread 24-36".



CLEOME QUEEN MIX



CLEOME SPARKLER MIX



COLEUS BLACK DRAGON

## Coleus

**Black Dragon** - Deep red leaves with curled and serrated, blackish-purple margins. A real "stand out" variety. Best in shade. Height 15-18".

**Festive Dance** - A highly colored selection that we like to use in our own pack production. Burgundy with broad pink veins.

**NEW Rainbow Masterblends Mix** - A gorgeous mixture of bright, vivid foliage. The semi-dwarf plants are ideal for shaded areas in landscapes, beds or mixed containers. Will last a long time and are slow to flower. Basal branching. Height 14". Spread 10".

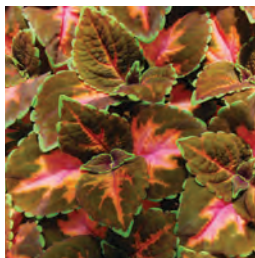
**Wizard®** - Dwarf and compact with colorful medium to large leaves. Uniform and basal-branching. Nearly non-flowering which means no deadheading. Velvet Red and Coral Sunrise are the best seed coleus for southern areas, since they can take full sun. Others are best in shade. Height 10-12".

**Coral Sunrise** - shades of pink, salmon, olive green and light green. Good in the South.

**Rose**

**Scarlet** - rich bronze red with pale green edge

**Velvet Red** - deep red. Good in the South.



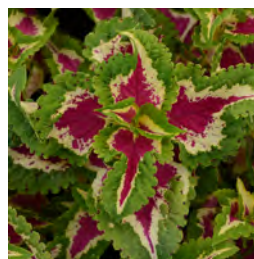
FESTIVE DANCE



RAINBOW MASTERBLENDS MIX



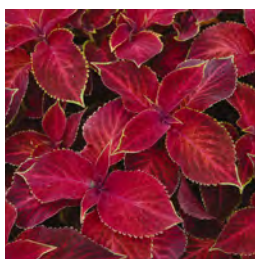
WIZARD CORAL SUNRISE



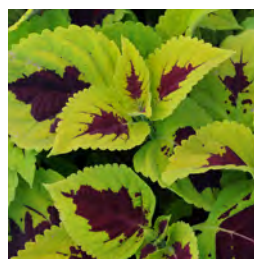
WIZARD ROSE



WIZARD SCARLET



WIZARD VELVET RED



KONG LIME SPRITE



KONG MOSAIC

## Coleus Premium Shade

Shows off brilliant colors that are best grown in shady spots. Their well-branched, vigorous habit is perfect for landscapes and gardens.

**Kong®** - Extremely large leaves and unique patterns on well-branched plants. Eye-catching choice for large containers and landscapes. Also makes a good indoor house plant. Fast finishing, well suited in 4½" to gallon pots. Best in shade. Suggest no pinch. Height 18-22".

**Lime Sprite** - lime green and mahogany bicolor

**Mosaic** - unique pattern of bright green, shades of red, and cream. No two leaves are alike.

**Red** - rich, red center with strong veining and a bright green edge

**Rose** - bright green edge around a vibrant rose center

**Mix Empire** - Red, Rose, Salmon Pink, and Scarlet

**Kong Jr.®** - Differs from Kong due to its leaf size, not its height. It offers more colors in this important class to give more choices for the shade garden. Its smaller leaves prevent damage in shipping and allow a more tidy display at retail. Height 18-24".

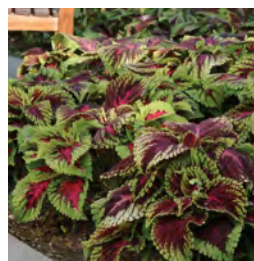
**Green Halo** - cream with chartreuse margin

**Rose** - rose and cream with chartreuse margin

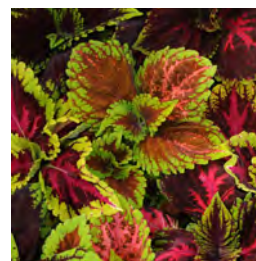
**Scarlet** - scarlet with lime edge



KONG RED



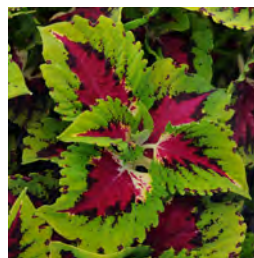
KONG ROSE



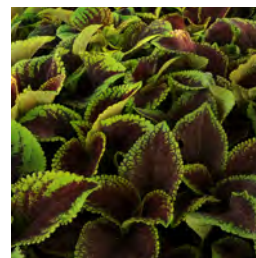
KONG MIX EMPIRE



KONG JR GREEN HALO



KONG JR ROSE



KONG JR SCARLET





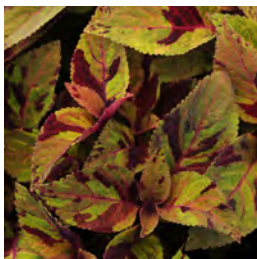
COLEUS CORAL CANDY



CHOCOLATE COVERED CHERRY



CHOCOLATE MINT



MIGHTY MOSAIC



PINEAPPLE SURPRISE



RUBY HEART



COSMOS CASANOVA MIX



COSMOS COSMIC MIX



COSMOS SENSATION MIX



COSMOS SONATA MIX COMPLETE



DAHLIA FRESCO MIX



DIANTHUS DIANA MIX FORMULA



DIANA MIX PICOTEE

## Coleus Premium Sun ☀️

Shows off brilliant colors on a well branched, vigorous habit that does well in landscapes and gardens. Premium Sun Coleus can tolerate full sun in regions of high relative humidity. Note: foliage will scorch in full sun with low relative humidity. All Premium Sun varieties can also be grown in the shade.

**Chocolate Covered Cherry** - Rose center is surrounded by deep mahogany and a thin green margin. Height 12-14".

**Chocolate Mint** - Chocolatey leaf edged in mint green. Height 14-20".

**NEW Coral Candy** - AAS Winner. Thin leaves are coral pink in the center blending to brown and then a green serrated edge. Colors will change depending on environmental conditions. Mounded, compact habit. Height 8-16". Spread 12-14".

**Mighty Mosaic** - Burgundy and green mosaic leaves form a strong plant. Very late to flower as desired by landscapers and container growers alike. Height 18-26".

**Pineapple Surprise** - Chartreuse leaves with burgundy hearts and splashes of green. Very late to set flower. Height 18-26".

**Ruby Heart** - Beautiful heart shaped leaves are ruby red in color with thin chartreuse edging that extends to the undersides and stems. Upright habit. Height 18-26". Spread 18-22".

## Cosmos ☀️

**Casanova Mix** - A dwarf cosmos, very uniform and perfect for high-density production. Mix includes pink, violet, white, and an award-winning, unique red. Flower size up to 3" across. Height 8-12".

**Cosmic Mix** - Stocky plants are well-branched and free flowering with 2" semi-double blooms. Heat and drought tolerant all summer. Height 12-22".

**Sensation Mix** - Very tall cosmos grow to 4'. Blooms all summer in a medley of rose, crimson, white and pink, 3½" semi-double flowers.

**Sonata Mix Complete** - Compact and free-flowering series with golden eyed 2¾-3" flowers. Needs long days to bloom. Will continue blooming all summer, making an excellent patio plant. Fleuroselect Medal Winner. Height 18-24".

## Dahlia ☀️

**NEW Fresco Mix** - Semi-double to double flowers on dwarf plants. Plant in pots or directly in the garden. Height up to 12". Spread up to 18".

## Dianthus ☀️

**Diana** - Features large flowers, extra early blooming, compact plant habit and some unique colors. Suitable for pack and pot production. Height 6-8".

**Mix Formula** - includes 12 colors

**Mix Picotee** - includes crimson picotee, lavender picotee, and scarlet picotee





**Ideal Select™** - Early flowering, well-matched series. Well suited to high density production in spring or fall. Height 8-10". Spread 12-14".

**Violet**

**Whitefire** - red and white bicolor

**Mix** - extremely uniform timing; shades of picotee, rose, violet, red & white

**Super Parfait™** - Large 2" flowers with consistent eyed pattern of vibrant colors. Extremely early, compact, and basal-branching. Best suited to packs or 4" pots. Can be grown cool. Height 8-10".

**Raspberry** - rose with crimson eye

**Strawberry** - pink with scarlet eye

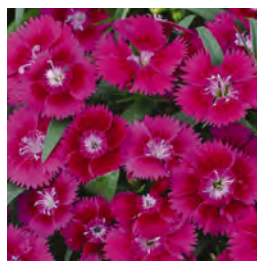
**Telstar** - Plants are covered with 1½" flowers all season long. Outstanding heat tolerance makes this the best choice for the South. Also tolerates cold and therefore can be grown cool. Blooms in the pack just 10 weeks from sowing. Very hardy variety. Height 10".

**Crimson** - (Fleuroselect Gold Medal winner) deep crimson flowers

**Purple**

**Mix** - Fleuroselect Gold Medal winner, includes Burgundy, Carmine Rose, Coral, Crimson (Fleuroselect Gold Medal winner), Picotee (AAS Winner), Pink, Purple, Purple Picotee, Salmon, Scarlet, and White.

**Venti Parfait™ Blueberry Eye** - White with blue eye. Huge blooms on compact and well branched plants; mounding habit. Use in packs and 4" pots. Height 8-10". Spread 8-10".



IDEAL SELECT VIOLET



IDEAL SELECT WHITEFIRE



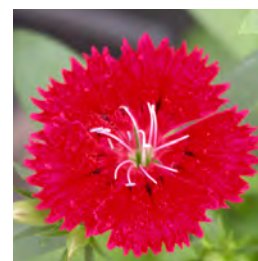
IDEAL SELECT MIX



SUPER PARFAIT RASPBERRY



SUPER PARFAIT STRAWBERRY



TELSTAR CRIMSON



TELSTAR PURPLE



TELSTAR MIX



VENTI PARFAIT BLUEBERRY EYE

## Dianthus - Interspecific

**Jolt™** - This interspecific dianthus is a well branched plant, easy to grow with little to no pgrs. Extremely heat tolerant, producing flowers all season long without setting seed. Great for summer landscape and container programs. Height 16-24".

**Cherry** - deep vibrant cherry red color

**Pink Magic** - various shades of pink in the same flower umbel

**Purple** - deep purple



JOLT CHERRY



JOLT PINK MAGIC



JOLT PURPLE

## Dichondra

**Silver Falls** - Ideal foliage plant for baskets and mixed containers. Shiny silver foliage cascades 3-4' making a stunning show. Dichondra withstands heat and drought; recovers quickly from wilting and needs no pinching. Also used as a ground cover. *Seed availability is very limited.*

## Dracaena

**Indivisa "Spikes"** - Attractive plant with erect habit and sword shaped, smooth leaves. Grows up to 2' tall in the garden. Plan on 12-16 weeks to finish from plugs. Use for accents in planters or baskets. *Subject to seed availability.*

## Dusty Miller

**New Look** - Provides another interesting texture to the silver palette of choices. More fleshy than Silver Dust, it can reach 12" in the garden, but is well matched to the Silver Dust in pots and packs.



DICHONDRA SILVER FALLS



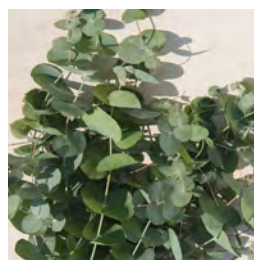
DRACAENA INDIVISA "SPIKES"



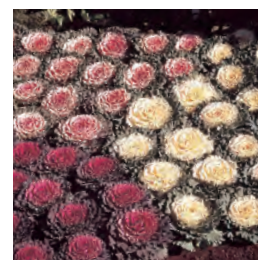
DUSTY MILLER NEW LOOK



DUSTY MILLER SILVER DUST



EUCALYPTUS SILVER DOLLAR



FLOWERING CABBAGE OSAKA MIX





FLOWERING KALE  
NAGOYA MIX



GAZANIA NEW DAY  
PINK SHADES



GAZANIA NEW DAY  
RED SHADES



GAZANIA NEW DAY YELLOW



GAZANIA NEW DAY MIX



GAZANIA NEW DAY  
MIX TIGER



GERBERA CARTWHEEL  
STRAWBERRY TWIST



FLORI LINE MAXI CORAL



FLORI LINE MAXI  
DARK FIREBALL



FLORI LINE MAXI  
EYECATCHER PURPLE



FLORI LINE MAXI  
EYECATCHER RED



FLORI LINE MAXI FIREBALL



FLORI LINE MAXI PINK



FLORI LINE MAXI RED



FLORI LINE MAXI YELLOW



FLORI LINE MAXI MIX SELECT

**Silver Dust** - White silvery foliage with deeply lobed leaves. Does best in sun. Heat and cold tolerant. Excellent accent plant. Height 8".

## Eucalyptus

**Silver Dollar** - The round silvery-grey leaves make excellent cut foliage in floral arrangements and wonderful accents in containers and patio pots. Height up to 49". *Disclaimer: May not be available - subject to quality trials.*

## Flowering Cabbage

**Osaka Mix "Dynasty"** - Large wavy edged leaves. Color intensifies with frost. Height 10-12".

## Flowering Kale

Heavily fringed leaves. Color intensifies with frost, and lasts long into the cold season.

**Nagoya Mix "Emperor"** - Very uniform, heavily fringed. Height 8-10".

## Gazania

**New Day®** - Bred for larger flowers, shorter flower stems, and fuller plants. Well suited for pack production, containers, or baskets. Excellent drought tolerance, easy care in the landscape. Height 8-10".

**Pink Shades** - rose to pink

**Red Shades**

**Yellow** - with dark, central ring

**Mix**

**Mix Tiger** - mix of Rose Stripe and Red Stripe

## Gerbera

**Cartwheel® Strawberry Twist** - This mix is special due to the huge bloom size and multiple shades per variety. Count on this showstopper needing a larger pot – at least a 5", probably better in a 6" or larger. Pot height of 14-16". Garden height 16-18".

**Flori Line® Maxi** - Suitable for 4½-6" pots. Features very large flowers up to 4½" across with some amazing color choices. Height 10-14".

**Coral Light Eye** - summery coral

**Dark Fireball™ Black Center** - brilliant scarlet-yellow bicolor

**Eyecatcher Purple Black Center** - stunning purple and white bicolor

**Eyecatcher Red Black Center** - stunning red and white bicolor

**Fireball Black Center** - light orange and yellow bicolor

**Pink Black Center** - beautiful deep pink/dark eye

**NEW Red**

**NEW Yellow**

**Mix Select** - includes White Dark Eye, Yellow Dark Eye, Orange Dark Eye, Red Dark Eye, Pink Dark Eye, Coral, Dark Purple, Yellow, Dark Fireball, Eyecatcher Red and Purple





**Jaguar™ Mix** - Super uniform and early for quick turns and full bench clearance. Plants are short with thick flower stems making them great for 4" pots. Height of 8-10" in a pot, 10-12" in the garden. Displays up to 5 blooms per plant at one time for real color impact.

**Mega Revolution™ Mix Select** - Vigorous, bushy plants with extremely large flowers - up to 4" across. A more uniform selection of the Mega Revolution series, chosen for habit and bloom timing. Especially suited for 6" or larger pots. Height 12-16".

**Revolution™ Mix Select** - Very early flowering, and bred to present 3 blooms at the same time for high color impact. Uniform mix of 10 colors. Height 12-16".

**Royal™** - Noted for their flowering habit, the 3-4" blooms form a spiral of continued color. Ideal for 6-7" pots. Height 10".

**Prince Neon Violet** - violet with a dark eye  
**Red**

## Gloxinia

**Avanti Mix** - Profuse flowering with each plant supporting 10-15 large, velvety, bell-shaped flowers. Uniform growth habit with compact, flexible leaves for easy shipping. Habit allows tighter spacing for growing. Short production time. Height 8".

## Gomphrena

**Buddy Purple** - Compact plants bloom through hot, dry conditions and flower until frost. 1" flowers are bright reddish purple. Height 10-12".

**Las Vegas Mix** - Taller than standard bedding types, ideal for landscape applications in hot, dry environments. Easy care. Height 16-20".

## Gypsophila

**Gypsy Deep Rose** - Single to fully double 1/4" flowers cover the plants. Fine foliage and delicate flowers are useful as a filler in baskets and planters. Height 8-14".

## Helianthus

**Sunbuzz** - An outstanding show in pots. Quick to flower with repeating blooms and limited need for pgrs. Suitable for pot production anytime from early spring through fall. Height 8-12".

**Sunfinity** - Sunfinity produces loads of blooms over the entire season! Be sure to see detailed culture information sheet. Height up to 36-48".

**Suntastic®** - AAS Winner. Suntastic is the smallest on the market. Perfect as a potted plant or in window boxes. Extremely floriferous - up to twenty 5-6" flowers per plant in three successive blooming periods. Pot height 10". Garden height up to 24".

## Hibiscus

**Mahogany Splendor** - An ornamental hibiscus that resembles a Japanese maple. Beautiful in large containers and combos. Drought and heat resistant, also suitable in water gardens. Height 36-60". Treat as annual north of Zone 8.



REVOLUTION MIX SELECT



JAGUAR MIX



MEGA REVOLUTION MIX SELECT



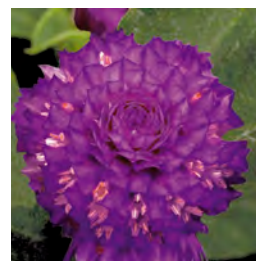
ROYAL PRINCE NEON VIOLET



ROYAL RED



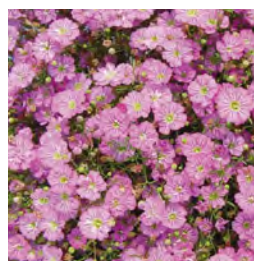
GLOXINIA AVANTI MIX



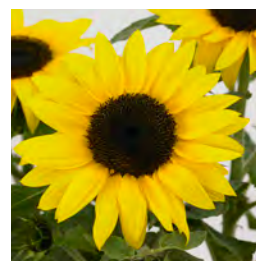
GOMPHRENA BUDDY PURPLE



GOMPHRENA LAS VEGAS MIX



GYPSOPHILA GYPSY DEEP ROSE



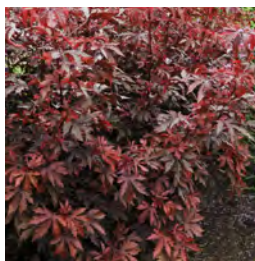
HELIANTHUS SUNBUZZ



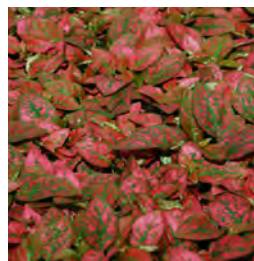
HELIANTHUS SUNFINITY



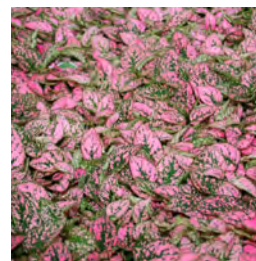
HELIANTHUS SUNTASTIC



HIBISCUS MAHOGANY SPLENDOR



HYPOESTES SPLASH SELECT RED

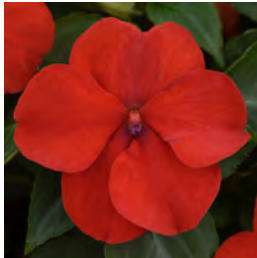


HYPOESTES SPLASH SELECT ROSE





HYPOESTES SPLASH  
SELECT WHITE



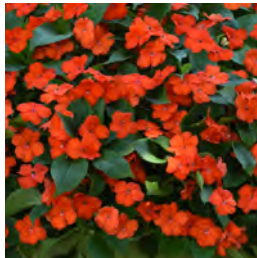
IMPATIENS BEACON  
BRIGHT RED



BEACON LIPSTICK



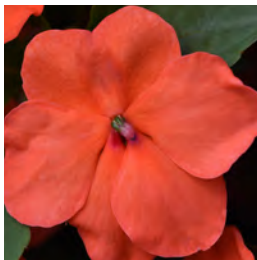
BEACON CORAL



BEACON ORANGE



BEACON ROSE



BEACON SALMON



BEACON VIOLET SHADES



BEACON WHITE



BEACON MIX FORMULA



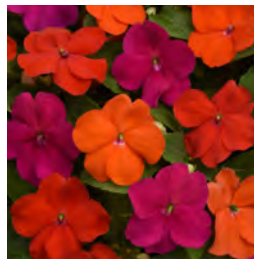
BEACON MIX LINDAU



BEACON MIX PORTLAND



BEACON MIX RED & WHITE



BEACON MIX SANIBEL

## Hypoestes

**Splash Select™** - "Polka Dot Plant" Big uniform dots of color mark the foliage of these dwarf hypoestes. No growth regulators needed to maintain habit. Pinching promotes a bushier plant. Height 8-10". *Subject to seed availability. We may use Confetti series interchangeably with Splash Select.*

**Red**

**Rose**

**White**

**Mix**

## Impatiens

**BEACON™** - Beacon Impatiens are bred with a high resistance to downy mildew. No need for IDM preventative measures according to Pan American. They are slightly taller than Super Elfin's but with a smaller flower size. Once again you can confidently use impatiens to create color in your shade beds, landscapes and production programs! Height 10-12". Spread 12-14".

**Bright Red**

**Coral**

**NEW Lipstick**

**Orange**

**Rose**

**Salmon**

**Violet Shades**

**White**

**Mix Formula**

**Mix Lindau** - named after Lindau Lighthouse in Germany. Mix includes Orange, White, and Violet Shades.

**NEW Mix Pearl Island** - named after Pearl Island Lighthouse in Nova Scotia, Canada. Mix includes Coral, White, and Blue Pearl.

**Mix Portland** - named after Portland Bill Lighthouse in Dorset, England. Mix includes Rose, Violet Shades and White.

**Mix Red & White**

**Mix Sanibel** - named after Sanibel Lighthouse on Sanibel Island, Florida, USA. Mix includes Bright Red, Orange and Violet Shades.







**Imara™ XDR** - Extra Disease Resistance! The first *Impatiens walleriana* to offer downy mildew resistance. Use Imara XDR for your packs, pots, and shade gardens. They are mounded plants that will battle downy mildew all season long! IDM preventative measures are recommended by Syngenta for Imara XDR's. Height 10-12". Spread 10-12".

**Orange**

**Orange Star**

**Pink**

**Purple**

**Red**

**Red Star**

**Rose**

**Salmon Shades**

**White**

**Mix**

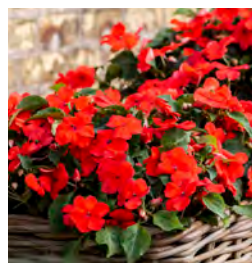
**Mix Hot!** - White, Red, Orange, Salmon Shades

**Mix Pastel** - White, Rose, Purple, Salmon Shades, Pink

**Mix ProFormula** - White, Rose, Purple, Violet, Salmon Shades, Pink, Orange

**Mix Rosy** - White, Rose, Violet, Purple, Pink

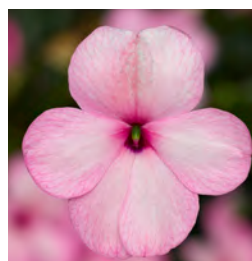
**Mix Tango** - Red, Rose, Violet, Purple, Orange, Salmon Shades



IMARA XDR ORANGE



IMARA XDR ORANGE STAR



IMARA XDR PINK



IMARA XDR PURPLE

## Impatiens - Hybrid

**Solarscape** - The first interspecific *Impatiens* series from seed! Shows off brilliant 2½-2¾" flowers for both sun and shade! Provides the same garden performance as vegetative interspecific *impatiens* without the royalties! Perfect in the landscape or containers. Day neutral with a 5-7 day bloom window between all colors. Needs ADT of at least 60°F; 66°F is ideal. Height 11-13". Spread 15-20".

**Magenta Bliss** - warm magenta/violet-purple

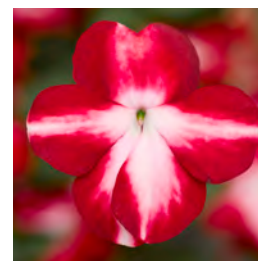
**Orange Burst** - deep coral/orange, with some shading to light salmon/orange

**White Shimmer** - shimmering white that may have a small percentage of pink at the center and very pale, blush pink buds and petals

**NEW Mix Voodoo** - mix of Magenta Bliss and Orange Burst



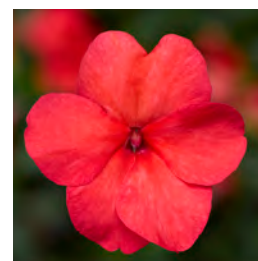
IMARA XDR RED



IMARA XDR RED STAR



IMARA XDR ROSE



IMARA XDR SALMON SHADES

## Lisianthus

**ABC™ 2** - Tall plants with fully double blooms make wonderful cut flowers! Crop time: spring to mid-summer. Height 2-3'.

**Blue**

**Blue Rim**

**NEW Lavender**

**NEW Misty Blue**

**NEW Misty Pink**

**Purple**

**Rose**

**NEW Yellow**

**NEW ABC™ 3 Rose** - Tall stems with double blooms make beautiful cut flowers. Crop time: summer to fall. Stem length 24-36".

**Advantage Cherry Sorbet** - Mid to early season flowers of bicolor rose and pink. Strong stems. Height 28-32".

**Flare** - Produces more flowers on the top of each stem that open within a short window, giving each stem the appearance of a bouquet. This "spray" effect results in fewer stems needed for floral arrangements. No pinching required. Height 36-45".

**Deep Blue**

**Deep Rose**

**Yellow** - light yellow

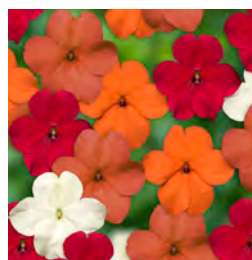
**Julietta Blue** - Fully double, long lasting flowers show color late Spring through late Summer. This naturally dwarf and upright variety is heat and drought tolerant. Use as a potted plant or in the garden. Height 6-10". Spread 12-14".



IMARA XDR WHITE



IMARA XDR MIX



IMARA XDR MIX HOT!



IMARA XDR MIX PASTEL





IMARA XDR MIX  
PROFORMULA



IMARA XDR MIX ROSY



IMARA XDR MIX TANGO



SOLARSCAPE MIX Voodoo



SOLARSCAPE  
MAGENTA BLISS



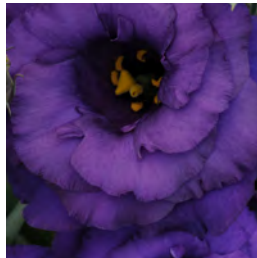
SOLARSCAPE  
ORANGE BURST



SOLARSCAPE WHITE  
SHIMMER



LISIANTHUS ABC  
2 MISTY BLUE



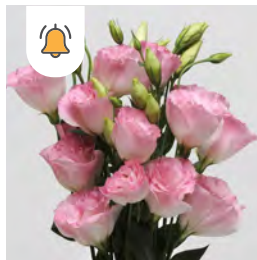
LISIANTHUS ABC 2 BLUE



LISIANTHUS ABC 2 BLUE RIM



LISIANTHUS ABC 2 LAVENDER



LISIANTHUS ABC  
2 MISTY PINK



LISIANTHUS ABC 2 YELLOW



LISIANTHUS ABC 3 ROSE



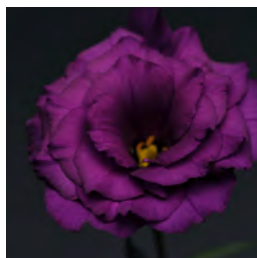
LISIANTHUS ABC 2 PURPLE



LISIANTHUS ABC 2 ROSE



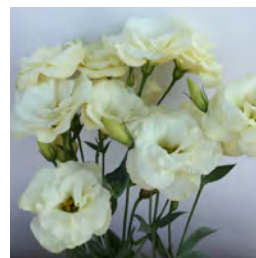
LISIANTHUS ADVANTAGE  
CHERRY SORBET



LISIANTHUS FLARE  
DEEP BLUE



LISIANTHUS FLARE  
DEEP ROSE



LISIANTHUS FLARE YELLOW



LISIANTHUS JULIETTA BLUE





**NEW Rosanne 1 Black Pearl** - An early blooming variety with double flowers and thick petals. Holds up well after cutting. Height 36-48".

**Rosanne 2 Clear Green** - The Rosanne series features fully double flowers in unique and special colors, with extremely strong branching that holds up well during shipping. Crop time: spring to mid-summer. Height 36-48".

**NEW Rosanne 3 Brown** - Fully double flowers on tall sturdy stems make excellent cut flowers. Crop time: summer to fall. Stem length 36-48".

**Voyage 2** - Double flowers are perfect for cut flowers. Crop time: spring to mid summer. Stem length 24-36".

**NEW Champagne**

**NEW Deep Rose**

**NEW Green**

**NEW Lavender**

**NEW Light Apricot**

**NEW Pink**

**NEW White**

**NEW Yellow**

## Lobelia

**Crystal Palace** - Deep blue flowers cover compact plants. Bronze foliage with an upright habit. Height 5". Do not allow to dry out. Seed is in short supply.

**Palace White** - Early flowering, compact, and good for pots, baskets and borders. Do not allow to dry out. Height 5".

**Regatta** - A uniform, trailing variety, great for hanging baskets. Do not allow to dry out. Height 6-8".

**Midnight Blue** - dark blue flowers with bronze foliage

**Rose** - magenta pink with white eye

**Sapphire** - deep blue flowers with bronze foliage

**Sky Blue**

**White** - pure white

**Mix**

**Riviera** - Dwarf, upright lobelia stands only 3" tall. Earlier to flower than any other series.

**Blue Eye** - blue with white eye

**Marine Blue** - mid-blue; green foliage

**Midnight Blue** - dark blue flowers and bronze foliage

**NEW Rose**

**Sky Blue** - green foliage

**Mix** - mix may not include white

## Marigolds - African

**Antigua™** - Early flowering plants have 3" pom-pom type blooms. Less day length sensitive than other African marigolds. Height 12-14".

**Orange**

**Yellow**

**Bali** - A tall, showy variety with great garden performance, standing up to heat, humidity, rain, and disease pressure. Multiple branches bear sturdy, ball-shaped blossoms that measure up to 5" across. Can be used as a cut flower. Height 24-32".

**Gold**

**Orange**

**Inca II™** - Inca II has strong bloom stems on a compact habit. Produces 3-3½" fully double blooms. Height 12-14".

**Deep Orange**

**Gold** - true gold

**Yellow** - brilliant yellow

**Mix**



LISIANTHUS ROSANNE 1 BLACK PEARL



LISIANTHUS ROSANNE 2  
CLEAR GREEN



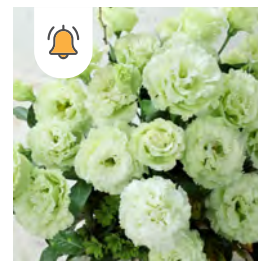
LISIANTHUS ROSANNE  
3 BROWN



LISIANTHUS VOYAGE 2 DEEP ROSE



LISIANTHUS VOYAGE  
2 CHAMPAGNE



LISIANTHUS VOYAGE  
2 GREEN





LISIANTHUS VOYAGE  
2 LIGHT APRICOT



LISIANTHUS VOYAGE 2 PINK



LISIANTHUS VOYAGE 2 LAVENDER



LISIANTHUS VOYAGE  
2 WHITE



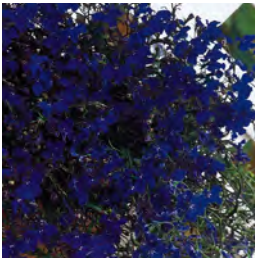
LISIANTHUS VOYAGE  
2 YELLOW



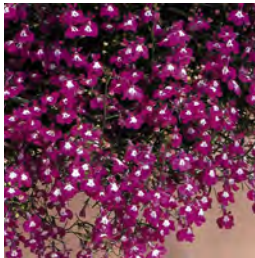
LOBELIA CRYSTAL PALACE



LOBELIA PALACE WHITE



LOBELIA REGATTA  
MIDNIGHT BLUE



LOBELIA REGATTA ROSE



LOBELIA REGATTA SAPPHIRE



LOBELIA REGATTA SKY BLUE



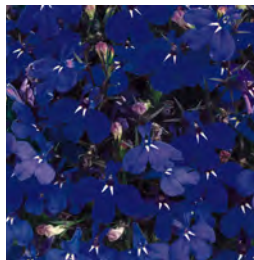
LOBELIA REGATTA WHITE



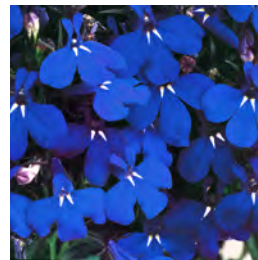
LOBELIA REGATTA MIX



LOBELIA RIVIERA BLUE EYE



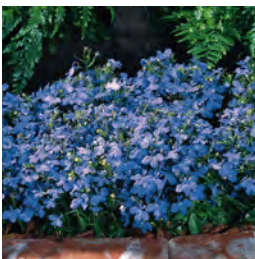
LOBELIA RIVIERA  
MARINE BLUE



LOBELIA RIVIERA  
MIDNIGHT BLUE



LOBELIA RIVIERA ROSE



LOBELIA RIVIERA SKY BLUE



LOBELIA RIVIERA MIX



MARIGOLD ANTIGUA ORANGE



ANTIGUA YELLOW



BALI GOLD



BALI ORANGE



INCA II DEEP ORANGE



INCA II GOLD



INCA II YELLOW



INCA II MIX





**Taishan®** - Compact, sturdy plants with strong necks to keep flowers upright. Large, fully-petaled blooms with no empty centers. Height 10-12".

**Orange**

**Yellow**

**Mix**

**NEW White Swan** - An F1 hybrid marigold bred specifically for cut flower production. Produces odorless 3-4" firm, ball shaped flowers on tall stems. Heat and disease tolerant. Height 30". Spread 14-16".



TAISHAN ORANGE



TAISHAN YELLOW



TAISHAN MIX



WHITE SWAN



BONANZA BEE

## GROWING TIPS

# AFRICAN MARIGOLDS

### How do I get my African Marigolds to bloom?

African Marigolds are day-length sensitive, so they tend to be delayed in long day conditions.

A simple solution is to choose varieties that are the least sensitive:

Antigua series is a prime choice. An alternative is to use black cloth to provide short days.



BONANZA BOLERO



BONANZA DEEP ORANGE



BONANZA FLAME

## Marigolds - French

**Bonanza™** - Double-crested, 2-2½" blooms show early, and perform under a wide range of conditions. Height 10-12".

**Bee** - mahogany with yellow edging

**Bolero**

**Deep Orange**

**Flame** - dark mahogany with orange edging

**Gold**

**Yellow**

**Mix**

**Chica™** - The earliest dwarf French marigold we've seen, uniform across all colors. Large flowers are fully double-crested. Blooms all season long. Height 8".

**Flame**

**Orange**

**Yellow**

**Mix**



BONANZA GOLD



BONANZA YELLOW



BONANZA MIX



CHICA FLAME



CHICA ORANGE



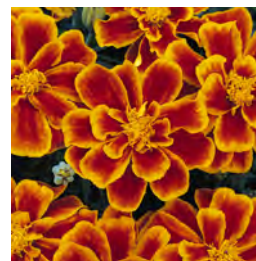
CHICA YELLOW



DURANGO BEE



DURANGO BOLERO



DURANGO FLAME





DURANGO RED



DURANGO TANGERINE



DURANGO YELLOW



DURANGO MIX



DURANGO MIX OUTBACK



FIREBALL



FLAMENCO



STRAWBERRY BLONDE



SUPER HERO DEEP ORANGE



SUPER HERO DEEP YELLOW



SUPER HERO GOLD



SUPER HERO HARMONY



SUPER HERO ORANGE



SUPER HERO ORANGE FLAME



SUPER HERO SPRY



SUPER HERO YELLOW BEE



SUPER HERO MIX MAXI

**Durango®** - Large 2-2½" anemone-type flowers on sturdy stems. Early and free-flowering, Durango plants have uniform height with good branching. Height 10-12".

**Bee** - mahogany petals edged with yellow

**Bolero** - golden yellow tipped with red

**Flame** - mahogany edged with orange

**Red** - mahogany red

**Tangerine** - richest, deepest orange

**Yellow** - dark yellow

**Mix**

**Mix Outback** - combines the most uniform colors for habit, timing and flower size. Includes Bolero, Red, Tangerine and Yellow.

**Fireball** - Multicolor blooms on the same plant in shades of red and orange. Height 10-12".

**NEW Flamenco** - A novelty marigold with yellow petals tipped with red. A stand alone variety that does great in patio containers and gardens. Flamenco blooms a few days later than the Bonanza series. Height 10-12". Spread 6-8".

**Strawberry Blonde** - Multicolor blooms on the same plant in shades yellow to bronze. About 3 days earlier than Fireball. Height 8-10".

**Super Hero™** - Early to flower and uniform across the series. Stable flower patterns, French-crested form. Height 9".

**Deep Orange**

**Deep Yellow**

**Gold**

**Harmony**

**NEW Orange**

**NEW Orange Bee**

**Orange Flame**

**Spry** - AAS winner

**Yellow Bee**

**Mix Maxi**



MARIGOLD SUPER  
HERO ORANGE BEE





## Marigolds - Triploid

**Endurance** - A sterile interspecific F1 Hybrid marigold. Shows off the African side of marigolds with extra large 3" double blooms, and the French side with its compact habit and exceptionally quick finishing. Produces masses of blooms on upright plants all season long, and does not require dead-heading. Excellent garden performance with great heat tolerance. Height 16-18". Spread 24-30".

**Sunset Gold** - maroon and yellow bicolor

**Yellow**

## Melampodium

**Jackpot Gold™** - Provides hardy performance, flowering from early summer until the first frost. Excellent in hot and humid climates. Nice, round shape. Self-cleaning habit. Height 12".

## Ornamental Millet

**Jade Princess** - Compact habit, finishing at only 3-4' in the garden. Intense lime-green foliage. Especially good for containers, but also excellent in the landscape.

**Purple Baron** - Robust, compact plants are ideal for mixed containers. The foliage will turn dark purple when plants are moved from the greenhouse outside to full sun. Large, thick flower spikes give the plant a strong, sturdy appearance. Height 36".

**Purple Majesty** - AAS Winner. Purple Majesty offers a unique ornamental look with deep purple foliage. It makes a striking backdrop and an excellent choice for mass plantings and borders. Plants start out green, but turn dark purple when in full sun. Best for 4" or larger pots. Height 4-5'.

## Ornamental Pepper

**Chilly Chili** - Child-safe! Non-pungent fruit that matures from greenish yellow to orange to dark red. Good for 4½-6" pots. Produces 2-2½" blunt-nosed fruit on 9-10" plants.

**Purple Flash** - Multi-colored black, purple, green, and cream foliage creates an exotic pot plant or accent for mixed containers. Small, round, black fruits are extremely hot. Excellent heat tolerance. Height 13-15".

## Osteospermum

**Akila®** - Akila is an improvement over the competition primarily due to its uniformity. They will bloom within 7-10 days of each other and are very well matched in height and habit. The structure of the plant reflects excellent branching without pinching. No vernalization required. Ideal for premium packs, pots, and landscapes. Height 16-20".

**Mix**

**Mix Grand Canyon** - includes bronze and yellow tones not available as individual colors

**Mix Sunset Shades** - yellow, red, salmon, apricot and orange shades



ENDURANCE SUNSET GOLD



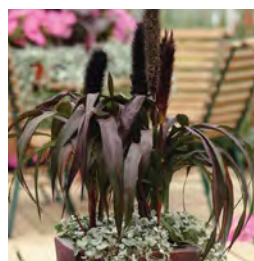
ENDURANCE YELLOW



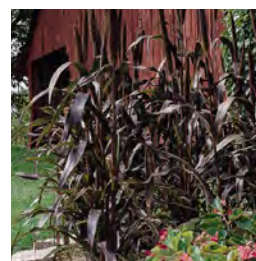
MELAMPEDIUM  
JACKPOT GOLD



ORNAMENTAL MILLET  
JADE PRINCESS



ORNAMENTAL MILLET  
PURPLE BARON



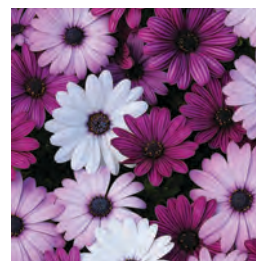
ORNAMENTAL MILLET  
PURPLE MAJESTY



ORNAMENTAL PEPPER  
CHILLY CHILI



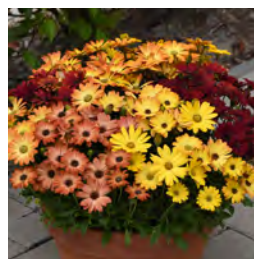
ORNAMENTAL PEPPER  
PURPLE FLASH



OSTEOSPERMUM AKILA MIX



OSTEOSPERMUM AKILA  
MIX GRAND CANYON



OSTEOSPERMUM AKILA  
MIX SUNSET SHADES



PANSY BLUEBERRY THRILL



CATS PLUS BLUE & YELLOW



CATS PLUS MIX



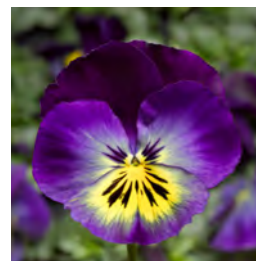
COLOSSUS MIX



COLOSSUS MIX BLOTCH



DELTA CLASSIC  
BEACONSFIELD



DELTA CLASSIC  
BLUE MORPHO





DELTA CLASSIC FIRE



DELTA CLASSIC PINK SHADES



DELTA CLASSIC YELLOW  
PURPLE WING



DELTA CLASSIC MIX  
APPLE CIDER



DELTA CLASSIC MIX  
FRUIT SALAD



DELTA CLASSIC MIX MONET



DELTA CLASSIC MIX  
PURE COLORS



DELTA CLASSIC MIX  
WATERCOLORS



DELTA CLASSIC MIX  
WINE & CHEESE



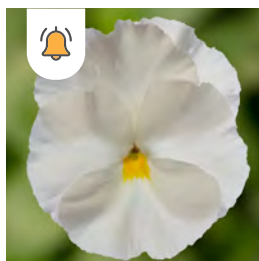
DELTA PRO CLEAR ORANGE



DELTA PRO CLEAR TRUE BLUE



DELTA PRO CLEAR VIOLET



DELTA PRO CLEAR WHITE



DELTA PRO CLEAR YELLOW



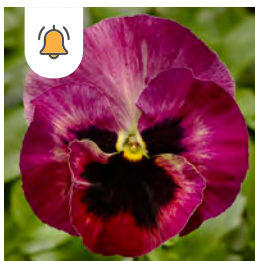
DELTA PRO DEEP BLUE  
WITH BLOTCH



DELTA PRO LAVENDER  
BLUE SHADES



DELTA PRO NEON VIOLET



DELTA PRO ROSE  
WITH BLOTCH

## Pansy

Additional Pansy varieties available for Summer/  
Fall Season.

**Blueberry Thrill** - Beautiful blueberry picotee edge surrounds creamy yellow centers with purple blotch. Compact plants. Height 6".

**Cats® Plus** - Improved habit, earliness and branching. Will bloom up to 10 days earlier than the original Cats Mix. Great for early spring and fall sales.

### NEW Blue & Yellow

**Mix** - includes 5 colors: Blue & Yellow, Marina, Purple & White, White and Yellow

**Colossus™** - Produces large 3½-4" flowers that bloom one week earlier than Majestic Giants, but with similar flower size. Features compact growth with less stretch.

### Mix

### Mix Blotch

**Delta™ Classic** - A large selection of colors and designer mixes for your spring and fall programs. The Classic series is a collection of "must-have" colors, with a slightly wider range of flower timing and plant vigor, yet still complements the Delta Pro series. Flowers measure 2½-3". Height 4-6". Spread 6-8".

### Beaconsfield

**Blue Morpho** - blue with yellow face and distinct whiskers

**Fire** - unique red, scarlet and yellow flowers with mahogany red accents

### Pink Shades

### Yellow Purple Wing

**Mix Apple Cider** - Tapestry, Premium Rose w/ Blotch, Premium Pure Rose

**Mix Fruit Salad** - Pure Rose, Violet and White, Premium Pure Yellow, Pure Deep Orange

**Mix Monet** - Lavender Blue Shades, Pink Shades, Pure Rose, Pure Yellow and True Blue

### Mix Pure Colors

**Mix Watercolors** - Pure Light Blue, Pink Shades, Pure Primrose, Pure Deep Orange, Lavender Blue Shades and Pure White

**Mix Wine and Cheese** - Premium Pure Primrose, Pure Red, Premium Pure Violet

**Delta™ Pro** - Bred for precision, 80% of the Delta Pro series have a tight flowering window, within 5 days of each other. They are early and extremely uniform, and will fill pots quickly to display in your retail center. Height 4-6". Spread 6-8".

### NEW Clear Orange

### NEW Clear True Blue

### NEW Clear Violet

### NEW Clear White

### NEW Clear Yellow

### NEW Deep Blue with Blotch

### NEW Lavender Blue Shades

### NEW Neon Violet

### NEW Rose with Blotch



- NEW** Violet and White
- NEW** White with Blotch
- NEW** Yellow with Blotch
- NEW** Mix All Colors
- NEW** Mix Blotch
- NEW** Mix Clear Colors

**Frizzle Sizzle** - Large, ruffled 2½" flowers in vibrant colors. As an F1 hybrid, it will provide 100% ruffled flowers, as well as earliness and uniformity.

**Lemonberry** - yellow with purple picotee and dark blotch with dramatic variations.

#### Mix

**Matrix®** - Plants have a more robust habit, better branching and less stretch. Large flowers with thick petals and short stems so they won't become floppy. Very uniform in bloom time and habit.

#### Midnight Glow

**Solar Flare** - vivid fire shades with dark blotch

**Sunrise** - peach, yellow and rose shades with blotch

#### True Blue

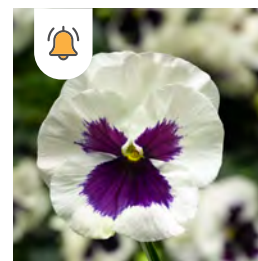
**Mix Ocean Breeze** - Blue Blotch, Ocean, Blue Frost and White Blotch

**MGII Mix Blotch** - Large 3½"-4" flowers have contrasting dark faces. Flowering freely and profusely in spite of their huge size.

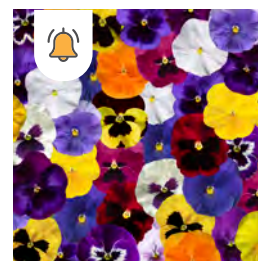
**Spring Matrix® Blue Wing** - Best option for short days and cool growing and is approx 1 week earlier than Matrix under these conditions. We selected these for color interest and variation from the main series. Height 8".



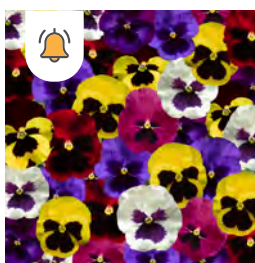
DELTA PRO VIOLET AND WHITE



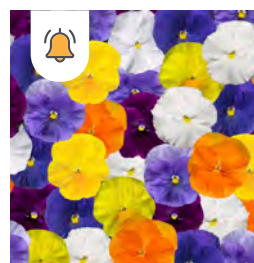
DELTA PRO WHITE WITH BLOTCH



DELTA PRO MIX ALL COLORS



DELTA PRO MIX BLOTCH



DELTA PRO MIX CLEAR COLORS



FRIZZLE SIZZLE LEMONBERRY



FRIZZLE SIZZLE MIX



MATRIX MIDNIGHT GLOW



MATRIX SOLAR FLARE



MATRIX SUNRISE



MATRIX TRUE BLUE



MATRIX MIX OCEAN BREEZE



MG II MIX BLOTCH



SPRING MATRIX BLUE WING



COOL WAVE BLUE

## GROWING TIPS SPREADING PANSIES

Cool Wave are considered the true "spreading" pansy, similar to the Wave petunia.

A very horizontal growth habit gives amazing coverage and spread, but flowers tend to be displayed closer to the end of the branches. This makes Cool Wave® superb for landscapes.

## Pansy - Spreading

**Cool Wave®** - A terrific spreading pansy with the brand recognition and marketing of the popular Wave series. These pansies have excellent branching and lots of flower power. Exceptional in hanging baskets, using fewer plants per pot than other spreading types. Superior as a spreading landscape plant or a spiller in containers. Outstanding overwintering capacity. Height 6-8". Spread 24-30". Be sure to plant into larger





COOL WAVE FIRE



COOL WAVE GOLDEN YELLOW



COOL WAVE MORPHO



COOL WAVE RASPBERRY



COOL WAVE  
RASPBERRY SWIRL



COOL WAVE  
STRAWBERRY SWIRL



COOL WAVE VIOLET WING



COOL WAVE MIX



COOL WAVE MIX  
BERRY 'N CREAM



PENTAS BUTTERFLY MIX



PENTAS GLITTERATI  
PURPLE STAR



PENTAS GLITTERATI  
RED STAR



PENTAS GRAFFITI  
20/20 CRANBERRY



PENTAS GRAFFITI  
20/20 TRUE PINK



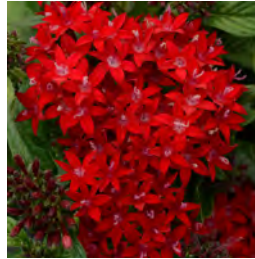
PENTAS GRAFFITI  
20/20 ULTRA VIOLET



PENTAS GRAFFITI  
20/20 WHITE



PENTAS GRAFFITI 20/20 MIX



PENTAS LUCKY  
STAR DARK RED

pots and/or premium sku's.

**Blue**

**Fire**

**Golden Yellow**

**Morpho** - *subject to seed availability*

**Raspberry**

**Raspberry Swirl**

**Strawberry Swirl**

**Violet Wing**

**Mix**

**Mix Berry 'N Cream** - mix of Purple, Violet Wing and White

## Pentas

**Butterfly™ Mix** - This hybrid series can be grown in both northern and southern garden beds and patio containers. Vigorous and well matched, it is much larger than Graffiti with a garden height of 12" up to 22" in hot, humid southern gardens. Large, star-shaped flowers in umbels up to 3" across attract butterflies, bees and hummingbirds.

**Glitterati™** - A unique look with each star-shaped floret outlined in darker colors. Beautiful for beds, pots, and mixed containers. Height 12-22".

**Purple Star**

**Red Star**

**Graffiti® 20/20** - The entire Graffiti series gets a makeover! Naturally well branched, with uniform sizing and timing across the series. Lovely in 4-6" pots, hanging baskets, planters or landscapes. Height 10-12".

**Cranberry** - dark pink/red

**True Pink**

**Ultra Violet**

**White** - more vigorous

**Mix**

**Lucky Star® Dark Red** - Very uniform series bred for quick follow up flush of blooms. Consistent show of color with compact habit. Height 12-16".







## Petchoa

**NEW Caliburst™ Yellow** - The first Petchoa from seed! Combines the beautiful colors of calibrachoa with the habit and flower size of a petunia, to create this vibrant yellow variety that lasts all season. Performs like a vegetative petunia with its controlled habit. Perfect in combos, containers, quarts and gallons. Flowers measure 2-3". Height 6-10". Spread 20-28".

## Petunia

**Daddy®** - The broadest selection of veined colors on the market displayed on 3-4" flowers. Outstanding performers from the pack to the garden. Height 8-10".

**Blue** - light blue with very dark blue veins

**Sugar** - light orchid with deep purple veins

**Mix** - mix of Blue, Orchid, Peppermint, Pink, Strawberry and Sugar

**Double Cascade Mix** - Known for its earliness, excellent habit and good branching. 2-4 weeks earlier to flower than older grandiflora doubles, and more compact. Very large 4-5" double flowers hold up well in bad weather. Good for 5" or larger pots.

**Double Madness®** - These double petunias look spectacular in pots, baskets, beds, and landscape plantings. The compact floriferous plants deliver masses of large 3" flowers all summer. Double Madness bounces back within hours of a rainstorm. Later to flower than regular petunias, and first blooms may be single.

**Rose and White** - more compact and better branched with more blooms  
**Mix**

**Dreams™** - Free-flowering, tightly branched petunias deliver matched performance across all colors. Picotee have large flowers with more stable picotee pattern than other varieties. Weather tolerant plants bloom uniformly with 3-4" flowers. Height 8-10".

**Appleblossom**

**Burgundy**

**Burgundy Picotee**

**Midnight** - violet blue

**Neon Rose** - magenta purple with white throat

**Pink**

**Red**

**Red Picotee**

**Rose**

**Rose Morn**

**Sky Blue** - large, sky blue flowers

**White**

**Mix**

**Mix Patriot** - Red, White and Midnight

**Frost Mix** - A grandiflora petunia mix that features 3" flowers with pure white edging around solid colors. Mix includes Blue, Cherry, Fire (red), and Velvet (wine purple). Height 12-14". Spread 14-16".

**Glorious Mix** - A mix of the most popular double grandifloras. Bright mix of solids and bicolors: Red, White, Salmon, Rose, Pink, Burgundy and Purple. Height 10-15".

**Madness®** - Compact and floriferous, all of the colors put on an impressive show in packs, pots, beds and mass plantings throughout the summer right up until frost. Well-branched plants are covered with 3" blooms. Height 10-12".

**Blue Star** - blue w/white star

**Blue Vein** - blue w/deep blue veins

**Burgundy** - burgundy with dark veins

**Mid Blue**

**Pink**

**Plum** - plum with darker veins

**Red**

**Summer** - salmon red with deep rose veins

**White**

**Yellow**

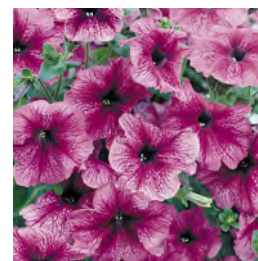
**Total** - mix of all Madness colors



PETCHOA CALIBURST YELLOW



PETUNIA DADDY BLUE



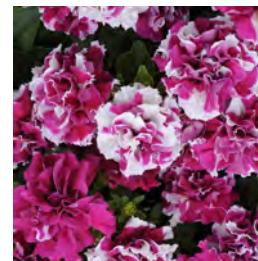
DADDY SUGAR



DADDY MIX



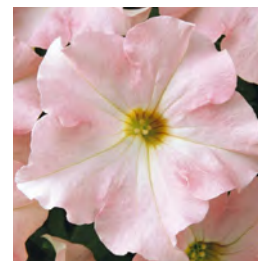
DOUBLE CASCADE MIX



DOUBLE MADNESS  
ROSE AND WHITE



DOUBLE MADNESS MIX



DREAMS APPLEBLOSSOM





DREAMS BURGUNDY



DREAMS BURGUNDY PICOTEE



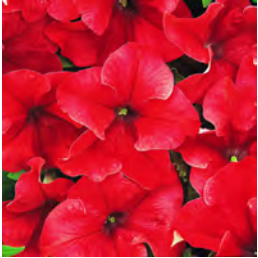
DREAMS MIDNIGHT



DREAMS NEON ROSE



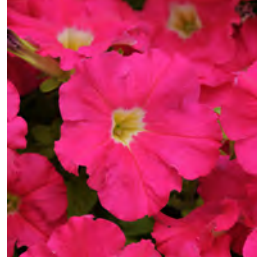
DREAMS PINK



DREAMS RED



DREAMS RED PICOTEE



DREAMS ROSE



DREAMS ROSE MORN



DREAMS SKY BLUE



DREAMS WHITE



DREAMS MIX



DREAMS MIX PATRIOT



FROST MIX



DOUBLE GLORIOUS MIX



MADNESS BLUE STAR



MADNESS BLUE VEIN



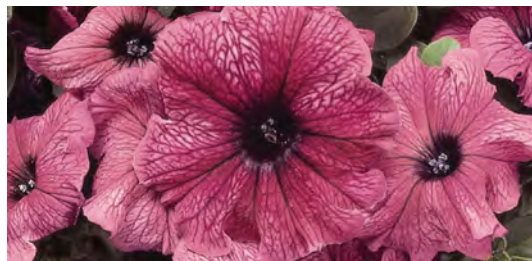
MADNESS BURGUNDY



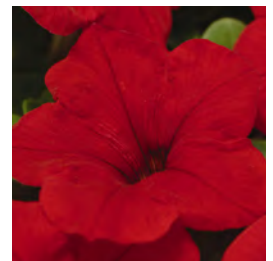
MADNESS MID BLUE



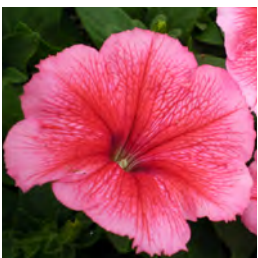
MADNESS PINK



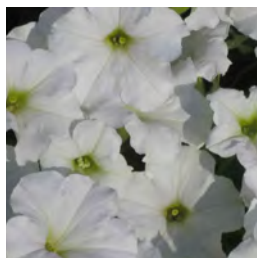
MADNESS PLUM



MADNESS RED



MADNESS SUMMER



MADNESS WHITE



MADNESS YELLOW



MADNESS TOTAL





**Merlin Blue Morn** - AAS Winner. Bred to perform in a variety of climates, Merlin has 2½" flowers with good weather tolerance. Each unique bloom has a white center which gradually blends to a dark velvet blue outer edge. Retains its compact habit throughout the entire flowering season. Height 8-10".

**Pretty Grand™** - A grandiflora version of the Pretty series, bred for compact habit with fewer pgr's needed. Better branching and improved airflow give better garden performance than comparable types. Height 6-10".

**Deep Pink**

**Midnight**

**Red**

**White**

**Mix**

**Prism Sunshine** - AAS Winner. The best performing yellow grandiflora. Early, 3-3½" blooms and a compact, uniform habit.

**Sophistica® Lime Bicolor** - lime and rose bicolor with frilly edges. No stable pattern, exhibits many different variations depending on heat, light, and environment. A surprise package! (Colors may look "muddy" if grown cool.) Large flower, single petunia with unique colors and shapes. Grandiflora type. Height 10-15".

**TriTunia™** - this series is comprised of the top performers from Ultra, Storm, and Bravo petunias. Tritunia is a mid-season blooming grandiflora, perfect for packs or larger pots. Blooms up to 3-4" across. Garden height 12-14".

**Crimson Star**

**Rose Star**

**Star Mix**

## Petunia Premium

A spectacularly different, spreading habit makes the spreading petunias excellent for baskets, color bowls and beds where brilliant ground covers are desired. Low growing and very vigorous, spreading up to 4'. The plants continue to bloom freely all season without being trimmed back. More botrytis tolerant than most petunias, and stands up well to the heat and humidity of summer in the North or South.

**E3 Easy Wave®** - It's Early, it's Efficient, it's *wave* the Evolution of Easy Wave, it's E3! Will bloom earlier than the Easy Waves, needing only 9-10 hours daylength to flower. Can be grown with fewer pgr's than the Easy Waves, (except Blue). An outstanding uniform series with similar vigor and a mounding, spreading habit. Will bloom over a longer period of time from spring to late summer. All colors are cold durable. These stunning plants will draw your customers in at a glance. Recommended for 6-8" pots, 306 premium packs or hanging baskets. Height 6-12". Spread 25-32".

**Blue** - deep blue, most vigorous in the series

**Coral**

**Pink**

**Pink Cosmo** - medium pink with deeper pink veins

**Red** - deep vibrant red

**Sky Blue** - flowers will lighten with age and in high light



MERLIN BLUE MORN



PRETTY GRAND DEEP PINK



PRETTY GRAND MIDNIGHT



PRETTY GRAND RED



PRETTY GRAND WHITE



PRETTY GRAND MIX



PRISM SUNSHINE



SOPHISTICA LIME BICOLOR



TRITUNIA CRIMSON STAR



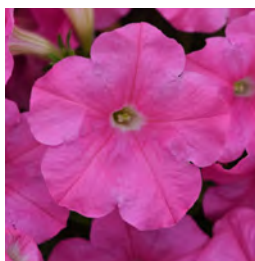
TRITUNIA ROSE STAR



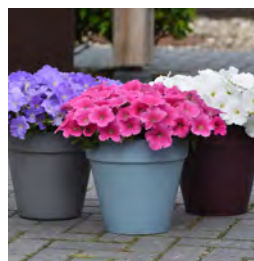
TRITUNIA STAR MIX



E3 EASY WAVE CORAL



E3 EASY WAVE PINK



E3 EASY WAVE SKY BLUE,  
PINK COSMO & WHITE



E3 EASY WAVE RED,  
BLUE & WHITE



E3 EASY WAVE MIX FORMULA



E3 EASY WAVE MIX  
SWEET TAFFY

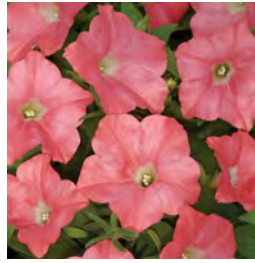




EASY WAVE BLUE



EASY WAVE BURGUNDY STAR



EASY WAVE CORAL REEF



EASY WAVE LAVENDER  
SKY BLUE



EASY WAVE NEON ROSE



EASY WAVE PINK PASSION



EASY WAVE PLUM VEIN



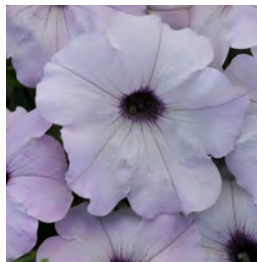
EASY WAVE RED



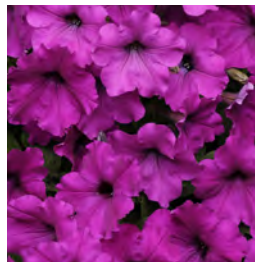
EASY WAVE ROSE FUSION



EASY WAVE ROSY DAWN



EASY WAVE SILVER



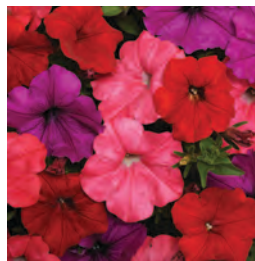
EASY WAVE VIOLET



EASY WAVE MIX FORMULA



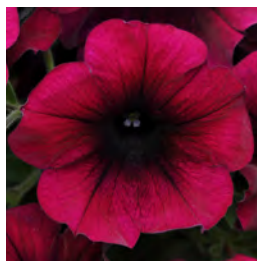
EASY WAVE MIX  
GREAT LAKES



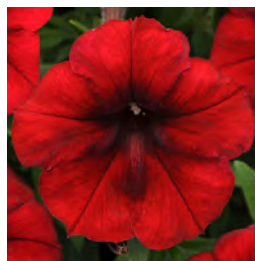
EASY WAVE MIX  
SOUTH BEACH



EASY WAVE MIX THE FLAG



EASY WAVE VELOUR  
BURGUNDY



EASY WAVE VELOUR RED

## White

**Yellow** - formerly Easy Wave Yellow

**Mix Formula** - all colors in series

**NEW Mix Sweet Taffy** - Pink Cosmos, Yellow and Easy Wave Rose Morn

*wave* **Easy Wave®** - A super performer for small spaces. Plants are more mounded than the "Waves" growing 8-10" tall and spreading out 2½-3'. Excellent complement to the "Waves" where not so much spread is desirable. Also less need for growth regulators. 2-3" flowers.

**Blue** - dark violet-blue flowers have some lighter blue shading

**Burgundy Star** - white star over burgundy. Note: unstable star pattern ranging from mostly burgundy in lush conditions to mostly white under stressful conditions.

**Coral Reef** - deep coral with a small white throat

**Lavender Sky Blue**

**Neon Rose**

**Pink Passion** - beautiful bubblegum-pink, 8-10 days earlier than Pink

**Plum Vein**

**Red** - flowers open dark red and lighten to a soft red as they mature

**Rose Fusion** - mid-rose with deep rose veins

**Rosy Dawn** - flowers with a morn pattern, open with a deep rose color and wide cream throat, turning to a lighter coral-pink color after opening

**Silver** - silvery white with purple veins

**Violet**

**White**

**Mix Formula**

**Mix Great Lakes** - Violet, Blue, and White

**Mix South Beach** - Red, Violet, Coral Reef

**Mix "The Flag"** - Red, White and Blue

*wave* **Easy Wave® Velour** - These Velour colors feature a velvety texture that is truly elegant. Perfect for solo and mixed planters and baskets, gardens and landscapes. Height 8-10". Spread 30-36".

**Burgundy** - A little more vigorous than the red Velour.

**Red** - Truly beautiful Red. Much more "red" than Easy Wave Red.



PETUNIA E3 EASY  
WAVE YELLOW





**Evening Scentsations™ Blue** - The first petunia to receive an AAS award for its lovely fragrance and stunning color. Considered one of the best blue petunias, it has a nice mounding and spreading habit. Fragrance is stronger in the evening. Good weather tolerance and rain resistance. Height 8-10". Spread 30-35".

**Opera Supreme™** - Vigorous, trailing petunia spreads up to 3'. in sunny locations. 2½" flowers. Excellent garden performance as mass planting, window box, or hanging basket.

**Pink Morn** - AAS Winner. Pink with creamy-yellow "morn" pattern.

**Raspberry Ice** - Spectacular raspberry-red center that bleeds out on a pale ice-pink flower.

**Shock Wave®** - These petunias flower from spring to late summer with a mounded and spreading habit. Great for borders to hanging baskets to mixed containers. Low maintenance and heat tolerant. Much smaller flower than other Waves. Height 8-10". Spread 24-36".

**Deep Purple** - darker purple

**Pink Vein**

**Purple Tie Dye**

**Rose**

**White**

**Tidal Wave®** - Growth habit varies on how closely the plants are spaced in the garden. The closer the spacing, the taller the plant. When spaced a minimum of 12" apart, it forms a dense, mounded hedge 16-22" tall. Grown in a restricted space with support, it will grow an extra 2-3' upward, like a vine. When given plenty of space, this petunia makes a floriferous ground cover, spreading 3-5' per plant. Excellent botrytis resistance and quick recovery from rain.

**Hot Pink**

**Red Velour** - rich red velvet color, AAS Winner.

**Silver** - AAS Winner. Silvery white with dark purple throat. 2" blooms.

**Wave®** - Low-growing waves spread 3-4' making an excellent ground cover, hanging basket, or border for window boxes. Good almost anywhere.

**Carmine Velour** - vivid carmine cherry. AAS Winner.

**Lavender** - AAS Winner

**Pink**

**Purple Classic** - the original Purple Wave

**Purple Improved** - exhibits earlier blooms, with a flower in the center of the pot. Color is a little lighter than the original.

## Phlox

**21st Century Mix** - This F1 hybrid provides outstanding performance in a wide range of conditions, locations, and temperatures. Compact growing habit. The 1" flowers bloom from spring to frost. A sun lover, it's good for southern fall sales. Height 10".



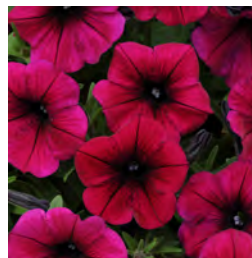
EVENING SCENTSATIONS BLUE



OPERA SUPREME PINK MORN



OPERA SUPREME RASPBERRY ICE



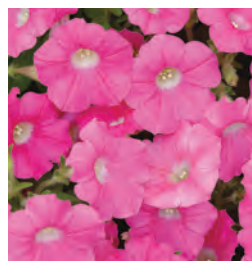
SHOCK WAVE DEEP PURPLE



SHOCK WAVE PINK VEIN



SHOCK WAVE PURPLE TIE DYE



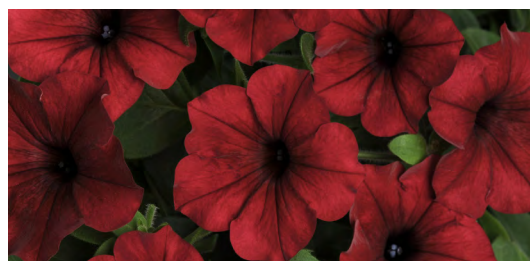
SHOCK WAVE ROSE



SHOCK WAVE WHITE



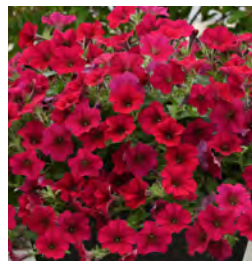
TIDAL WAVE HOT PINK



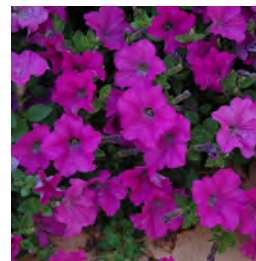
TIDAL WAVE RED VELOUR



TIDAL WAVE SILVER



WAVE CARMINE VELOUR



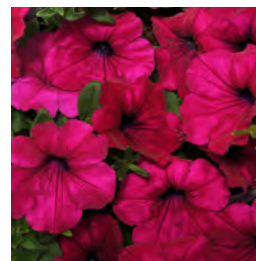
WAVE LAVENDER



WAVE PINK



WAVE PURPLE CLASSIC



WAVE PURPLE IMPROVED





PHLOX 21ST CENTURY MIX



PORTULACA HAPPY  
HOUR BANANA



PORTULACA HAPPY  
HOUR MIX



PORTULACA HAPPY  
HOUR DEEP RED



PORTULACA HAPPY  
HOUR FUCHSIA



PORTULACA HAPPY  
HOUR MIX PINK PASSION



PORTULACA HAPPY  
HOUR MIX TROPICAL



PORTULACA HAPPY  
TRAILS MIX



PORTULACA SUNDIAL MIX



PRIMULA PRINCESSA MIX



PTILOTUS JOEY



SALVIA SUMMER JEWEL RED



RANUNCULUS MACHÉ MIX



SALVIA EVOLUTION  
VIOLET BLUE

## Portulaca

"Moss Rose"

**Happy Hour™** - For those who want to start their portulaca early, Happy Hour will flower up to 2 weeks earlier, since it is bred for reduced day-length sensitivity. Flowers uniformly across the series. Height 8-10".

**Banana**

**Deep Red**

**Fuchsia**

**Mix**

**Mix Pink Passion**

**Mix Tropical**

**Happy Trails™ Mix** - Has a low-growing and spreading habit like Sundial, but is the earliest flowering series on the market, up to 2 weeks earlier. Full habit, great for packs, pots, and gardens especially in hot, dry locations. Height 6-9".

**Sundial Mix** - Free-flowering, fully-double, 1½-2" blooms. Excellent garden performance and good weather tolerance. Loves the heat. Can be used in beds or baskets. Height 6".

## Primula

**Princessa Mix** - This early blooming Acaulis primula has very large flowers, nearly twice the size of a regular Acaulis, and will bloom 5+ days earlier. Perfect for 4-6" pots, large containers, mixed containers, baskets or landscapes. Mix includes Blue, Golden, Pink, Rose, Scarlet and White. Requires less vernalization than other varieties. Great heat tolerance with less flower abortion under warmer conditions. Height 6". Spread 8".

## Ptilotus

**Joey®** - A native of central Australia, Joey is extremely heat and drought tolerant with its leathery foliage. Striking "bottle-brush" plumes are silvery-pink with darker tips. Pairs beautifully with pinks or purples in mixed containers. Height 14". Spread 12-14".

## Ranunculus

**Maché™ Mix** - Compact, ideal for 4" production with good seedling vigor. Ranunculus is perfect for earliest spring sales in 4" pots. Mix includes 7 colors.

## Salvia coccinea

**Summer Jewel™ Red** - AAS Winner. A really tough plant withstanding summer's heat and drought, but producing a multitude of blooms all season long. Height 14-19".

## Salvia farinacea

**Evolution® Violet Blue** - AAS Winner. Evolution expands the color range of Salvia farinacea, boasting 6-7" violet flower spikes, distinctly different from blue. Medium height annual reaches 16-24" tall and spreads 16-19". This drought tolerant variety is excellent in the landscape.





**Victoria** - Large, intense spikes borne on compact, 16-18" plants that spread to 14" across. The best for color intensity and duration of blooms. Good for cutting. Blooms into the fall. Excellent landscape plant. Fleuroselect Award Winner.

**Blue** - mid blue

**White** - silvery white

## Salvia - interspecific

**Big Blue** - Crossing two species, this is super showy in the garden with huge, clear blue spires displayed from July to first frost. Heat and drought tolerant. Great for pollinators. Height 24-36".

## Salvia splendens

**Mojave Red** - Unique flower spike structure and branching habit you have not seen before. True red flowers and deep green, broad leaf foliage. Heat tolerant with compact habit and great flower impact. Height 8-12". Spread 10-12".

**Red Hot Sally II** - Excellent landscape performance, dark red, full flower spikes, and great heat tolerance. Height 10-12".

**Vista™** - Heat tolerant, early flowering with good outdoor performance. Excellent branching. Height 4-6" in packs, 10-12" in garden. Full sun in the North; part sun in the South.

**Purple**

**Red**

**White**

**Mix**

## Seed Geranium

**Pinto™ Premium** - Upgraded to improve earliness, uniformity and habit. Well-branched, vigorous plants good for pots or large packs. Shorter flower stems allow more product to fit per shipping rack. Height 13-15".

**Deep Red**

**Lavender Rose**

**Orange**

**Rose Bicolor**

**Salmon**

**Violet**

**White**

**Mix** - mix of all colors

## Snapdragons

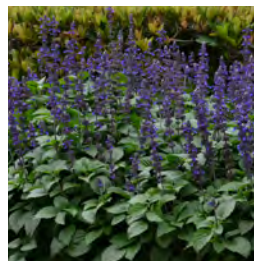
**DoubleShot** - Beautiful, open-faced, double flowers sit on tall, heavily branched stems. Produces flower stems all through the growing season. Perfect for tall accents in flower beds and containers. Bred for short day production in warmer areas, making them ideal for use in winter production in sub-tropical areas. Height 18-20".

**NEW Orange Bicolor** - AAS Winner

**NEW Mix**



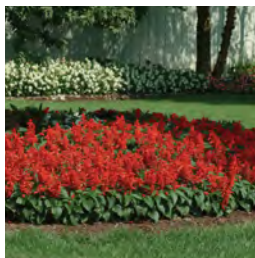
SALVIA VICTORIA  
BLUE & WHITE



SALVIA INTERSPECIFIC  
BIG BLUE



SALVIA MOJAVE RED



SALVIA RED HOT SALLY II



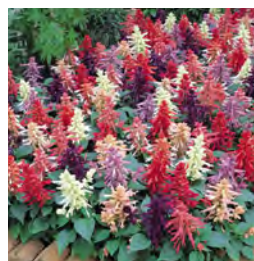
SALVIA VISTA PURPLE



SALVIA VISTA RED



SALVIA VISTA WHITE



SALVIA VISTA MIX



SEED GERANIUM PINTO  
PREMIUM DEEP RED



PINTO PREMIUM  
LAVENDER ROSE



PINTO PREMIUM ORANGE



PINTO PREMIUM  
ROSE BICOLOR



PINTO PREMIUM SALMON



PINTO PREMIUM VIOLET



PINTO PREMIUM WHITE



PINTO PREMIUM MIX



SNAPDRAGON DOUBLESOT  
ORANGE BICOLOR





SNAPDRAGON DOUBLESLOT MIX



SNAPDRAGON ROCKET MIX



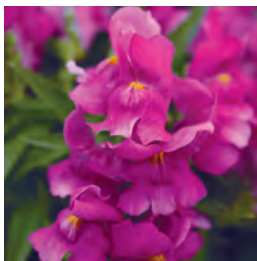
SNAPDRAGON SNAPSHOT  
BURGUNDY BICOLOR



SNAPDRAGON SNAPSHOT  
CORAL BICOLOR



SNAPDRAGON  
SNAPSHOT ORANGE



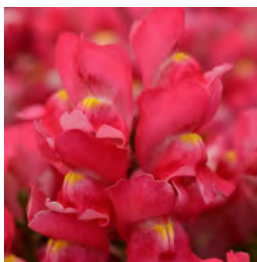
SNAPDRAGON  
SNAPSHOT PURPLE



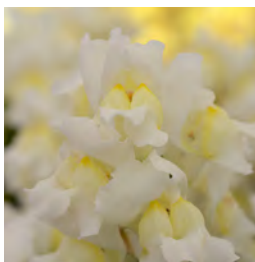
SNAPDRAGON  
SNAPSHOT RED



SNAPDRAGON SNAPSHOT  
RED BICOLOR



SNAPDRAGON  
SNAPSHOT ROSE



SNAPDRAGON  
SNAPSHOT WHITE



SNAPDRAGON  
SNAPSHOT YELLOW



SNAPDRAGON  
SNAPSHOT MIX



SNAPDRAGON SNAPSHOT  
MIX CITRUS



SNAPDRAGON  
SNAPTASTIC MIX



STOCK HOT CAKES MIX



THUNBERGIA SUSIE  
BLACK-EYED MIX



TORENIA HI-LITE MIX

**Rocket Mix** - The finest hybrids for garden use and hot weather tolerance. They grow 30-36" tall and produce long spikes with many closely spaced florets. Good for the garden or cut flowers.

**Snapshot™** - Great pack performance and earliness are keynotes of this series, combined with strong garden performance. Uniform flowering. Height 6-10".

**Burgundy Bicolor**

**Coral Bicolor**

**Orange**

**Purple**

**Red**

**Red Bicolor**

**Rose**

**White**

**Yellow**

**Mix** - all colors

**Mix Citrus** - Orange, Yellow, and White

**Snaptastic™ Mix** - Prolific, strong lateral branches provide a foundation for great color show. Very sturdy with good root systems allows for easier outdoor production and better heat tolerance. Snaptastic is good in 4", quarts or gallons. Also has very early blooms for spring production. Plant height 8-10" plus another 10-12" for flower stems.

## Stock 🌞

**Hot Cakes Mix** - Clear green leaves are an excellent contrast to the brightly colored, fragrant flowers. Stock loves cool weather, making them especially suited for early spring, spring or fall programs. Well branched, dwarf plants. Mix includes Rose, Pink, Purple and White. Up to 50% single flowers. Height 10-16". Spread 6-8".

## Thunbergia 🌞

**Susie™ Black-Eyed Mix** - Expand your hanging basket selection with Thunbergia. This graceful, old-fashioned flower sports dense, vining foliage and an abundance of bright, cheery blooms. Easy to grow, and complements a variety of garden designs. Very fast growing!

## Torenia 🌞 ☁️

**Hi-Lite™ Mix** - Blue Beacon, Blue/White Beacon, Blue and White, Deep Blue, Magenta, Pink and White. F1 Torenia that will withstand intense heat and sun without damage to the flowers or foliage. The compact, mounded habit makes it a perfect choice for packs and small pots, but is just as impressive for larger containers, hanging baskets and the garden. The light green leaves and flower buds add an interesting contrast to the blooms. Height 8". Spread 8".



## Verbena

**Obsession™** - Earlier and more uniform than the Quartz series. Plants are more compact and have a branching habit. Does well in packs or in the garden. Spreading habit. Very mildew tolerant. Height 6-8". Spread 10-12".

**Blue with Eye** - blue shades with white eye

**Pink** - solid candy pink blooms

**NEW Purple Shades with Eye**

**Red** - deep solid red with tiny white eye

**Red with Eye** - bright red with large white eye

**Twister™ Purple** - unique bicolor Purple and White

**Twister™ Red** - unique bicolor Red and White

**White** - pure white

**Mix**

**Mix Berry Tart** - mix of Blue with Eye, Burgundy with Eye, and Lavender

**Mix Pastel**

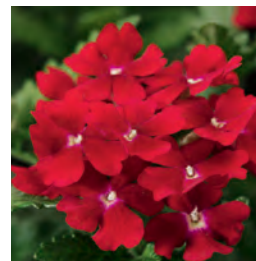
**Mix Spirit** - mix of red, white, and blue



VERBENA OBSESSION  
BLUE WITH EYE



OBSESSION PINK



OBSESSION RED



OBSESSION RED WITH EYE



OBSESSION TWISTER PURPLE



OBSESSION TWISTER RED

## Verbena Premium

**Obsession™ Cascade** - The first trailing verbena from seed, setting it a cut above regular seed verbenas for its upscale look in premium packs and mixed containers. Has a strong, branching habit with good vigor in containers and the garden. Excellent powdery mildew tolerance. Height 8-10". Spread 18-24".

**Pink Shades**

**Scarlet**

**Twister™ Violet** - extra special bicolor flowers



OBSESSION WHITE



OBSESSION MIX BERRY TART



OBSESSION MIX PASTEL

## Vinca

"Periwinkle"

**Cora® Classic Red** - An F1 hybrid. The first vinca from seed that is genetically resistant to aerial phytophthora. Thick green glossy foliage with 2½-3" flowers, maintains a uniform habit and flowering time. Likes full sun. Height 14-16".



OBSESSION MIX SPIRIT



OBSESSION CASCADE  
PINK SHADES



VERBENA OBSESSION  
PURPLE SHADES WITH EYE



OBSESSION CASCADE  
SCARLET



OBSESSION CASCADE  
TWISTER VIOLET



VINCA CORA CLASSIC RED



CORA XDR APRICOT



CORA XDR CRANBERRY



CORA XDR DEEP  
STRAWBERRY





CORA XDR HOTGENTA



CORA XDR LIGHT PINK



CORA XDR MAGENTA HALO



CORA XDR ORCHID



CORA XDR ROSE PUNCH



CORA XDR PINK HALO



CORA XDR POLKA DOT



CORA XDR WHITE



CORA XDR MIX



CORA CASCADE XDR  
POLKA DOT



CORA CASCADE XDR PUNCH



CORA CASCADE XDR  
STRAWBERRY



CORA CASCADE XDR VIOLET



CORA CASCADE XDR WHITE



CORA CASCADE XDR MIX

**Cora® XDR** - The XDR's offer even more resistance to aerial Phytophthora. Large showy flowers that will catch your eye, and bloom all summer long. They have improved branching, uniformity and flowering time. Great for your premium packs and small to larger pots. Mounded habit, loves full sun. F1 hybrid. Height 14-16". Spread 18-20".

**Apricot**

**Cranberry**

**Deep Strawberry**

**Hotgenta**

**Light Pink**

**Magenta Halo**

**Orchid**

**Pink Halo**

**Polka Dot**

**NEW Rose Punch**

**White**

**Mix**

**Cora® Cascade XDR** - Extra disease resistance has now been bred into the Cascade series, offering high levels of resistance to multiple strains of aerial Phytophthora. This vigorous trailing vinca has a mounded, spreading habit, and displays super large blooms all summer long. Ideal for summer baskets, mixed containers, and landscapes. Height 6-8". Spread 32-36".

**Polka Dot**

**Punch**

**Strawberry**

**Violet**

**White**

**Mix**

## GROWING TIPS

# VINCA

There are some "essentials" for growing vinca. They love heat and hate high salts in the media.

Never let your temperature go below 65°F even at night. So, don't plant until you can maintain these temperatures.

Allow new transplants a few days to acclimatize before feeding or drenching.

Feed moderately, but leach periodically to avoid salt build up.

We highly recommend the Cora® series for excellent disease resistance.

For more detailed information, refer to our Culture Guide.





**Mega Bloom Pink Halo** - AAS Winner. Boasts enormous flowers up to 3¼" in diameter with plants that exhibit exceptional heat tolerance. Super disease resistance. Absolutely stunning in garden performance trials. Height 8-12".

**Pacifica XP** - In hot, dry conditions this Vinca is a top performer. Look for fully rounded flowers and basal branching plants that will resist stretching even when the sun is beating down. Large and impressive, 2" flowers cover this branching series. Height 12".

**Burgundy Halo** - AAS Winner

**Polka Dot**

**Really Red**

**Mix** - all XP colors

**Tattoo™** - A fun, special design on the flowers sets this series apart. Each petal looks like it is inked or airbrushed with soft brush strokes of darker hues. Suitable for large packs or pots and mixed containers. Tight flowering window with an easy-to-grow, uniform, upright habit across all colours. Height 10-14".

**Black Cherry**

**Blueberry** - unique shade of blue

**Orange** - color will lighten in high light and temperatures

**Papaya**

**Tangerine**

**Mix American Pie** - Blueberry, Pacifica Really Red, and Pacifica White

## Viola

**Admire® Mix Maxi** - Includes all colors: Deep Blue, Denim, Marina, Orange Purple Wing, Pink, Pink Surprise, Red Blotch, Ruby Gold, Yellow, and Yellow Blotch. Selected for improved branching which means more flowers. Early, consistent bloom time across all colors. Superior performance in both spring and fall. Height 8".



MEGABLOOM PINK HALO



PACIFICA XP  
BURGUNDY HALO



PACIFICA XP POLKA DOT



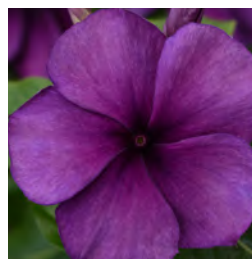
PACIFICA XP REALLY RED



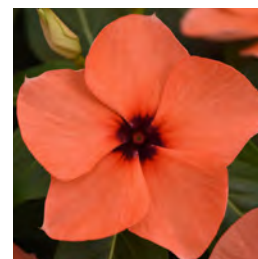
PACIFICA XP MIX



TATTOO BLACK CHERRY



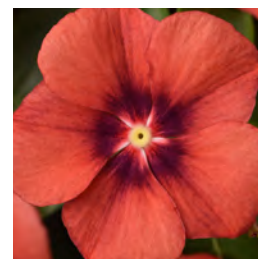
TATTOO BLUEBERRY



TATTOO ORANGE



TATTOO PAPAYA



TATTOO TANGERINE



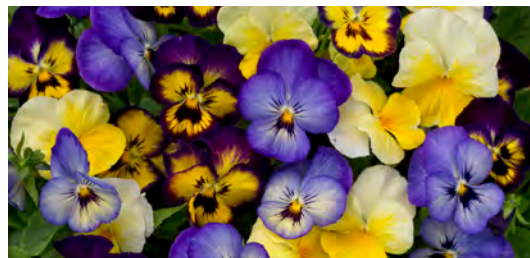
TATTOO MIX AMERICAN PIE



VIOLA ADMIRE MIX MAXI



COLORMAX MIX



COLORMAX MIX LEMONBERRY PIE





FRIZZLE SIZZLE MINI MIX



PENNY MICKEY



PENNY ORANGE JUMP UP



PENNY WHITE JUMP UP



PENNY YELLOW BLOTCH



PENNY YELLOW JUMP UP



PENNY LANE MIX



PENNY MIX ALL SEASONS



PENNY MIX JUMP UP



SORBET XP DELFT BLUE



SORBET XP MIX



SORBET XP MIX  
BLUEBERRY SUNDAE



SORBET XP MIX SPRING SELECT

**ColorMax** - Awesome color provided by the largest blooms we've seen. Ideal for pots, packs, baskets, and combos with superior weather and heat tolerance. Height 8-10".

#### **NEW Blue Jeans**

**Mix** - all colors

**Mix Lemonberry Pie** - Mix of Berry Pie, Icy Blue, and Lemon Splash

**Frizzle Sizzle Mini Mix** - Yellow, purple shades and tapestry. Unique 1¼-1½" frilly flowers. Better performance in cooler weather, ideal for spring and fall sales. Stronger ruffling in cooler conditions. Height 6-8". Spread 6-8".

**Penny™** - Early flowering violas display 1" blooms. Uniform in both habit and flowering, with excellent cool weather tolerance. Also displaying more plant body, this series should fill packs and pots better. Height 6".

**Mickey** - the cutest little bicolor! Looks black and white

**Orange Jump Up** - purple upper petals, orange lower petals

**White Jump Up** - white w/purple cap

**Yellow Blotch** - yellow with dark blotch

**Yellow Jump Up** - yellow w/purple cap

**Lane Mix** - formula mix of all colors except Jump Ups

**Mix All Seasons** - mix of Blue, Deep Blue, Orange, Yellow and Yellow Frost

**Mix Jump Up** - White Jump Up, Yellow Jump Up, and Orange Jump Up

**Sorbet® Tiger Eye** - Habit and timing match Sorbet XP. Yellow with an unusual dark striped pattern. Excellent for fall sales. Height 6-8". Spread 6-8".

**Sorbet® XP** - Bred to achieve a tight bloom window, better plant structure, less stretch, and more flowers per plant.

#### **Delft Blue**

##### **Mix**

**Mix Blueberry Sundae** - includes XP True Blue, XP Delft Blue, XP White

**Mix Spring Select** - grower-friendly mix for spring or fall crops







## Zinnia elegans

**Cut & Come Again** - Cut & Come Again Mix has long-stemmed flowers measuring 2½" across in a blend of pink, bright scarlet, yellow, salmon, white and more. The more you cut, the more they bloom, and they keep blooming from midsummer until frost. Height 24-30".

**Dreamland™ Mix** - Large, 100% fully double, 4" blooms accent compact plants. Excellent garden performance. Grows in full sun. Height 10-12".

**Magellan™ Mix** - Vigorous and uniform with exceptional flower quality, displaying large fully-double blooms in vibrant colors. Height 12-14".

**Queeny Lime Orange** - Layers of dark coral/peach/orange to light peach with a dark center! A Fleuroselect Gold Medal Winner, this zinnia will add interest to your program with its unusual coloring on large 2-4" dahlia-like blooms. Will bloom early summer into fall. Easy to grow, likes well drained soils and tolerates full sun. Upright habit makes them a good cut flower. Great in containers, pots and gardens. Height 18-24". Spread 12".

**Short Stuff™ Mix** - A dwarf, upright series with large, fully double blooms. Ideal for jumbo packs and pot production. Mix includes seven colors: Cherry, Coral, Deep Red, Gold, Orange, and Scarlet and White. Height 10-12".

**Zesty™ Mix** - This series has fully double flowers that create a beautiful display from late spring to autumn. Its mounded habit is perfect for containers, mixed combinations and borders. Pollinators love this plant! Height 18-24". Spread 18-24".

## Zinnia

**Profusion** - Early, continuous blooming plants perform well under both warm and cool conditions with high humidity. Excellent tolerance to disease including Powdery Mildew and Bacterial Leaf Spot. Single blooms. Heat and drought tolerant. Full sun. Height 12-18".

**Cherry** - AAS Winner

**Cherry Bicolor** - varied shades of cherry and white

**Orange** - AAS Winner

**Red** - AAS Winner

**Red Yellow Bicolor** - National AAS Gold Medal Winner. Judges comments: "Wow, Wow, Wow!" This gorgeous zinnia starts the season with a bold vibrant red center ring surrounded by golden yellow outer petals, and ages into soft, beautiful shades of apricot, salmon and dusty rose. "Just so cute!"

**White** - AAS Winner

**Yellow** - brilliant yellow with rich golden "picotee" edge matures to solid yellow. Much more uniform than Zahara Yellow.

**Mix** - includes Cherry, Deep Apricot, Fire, Orange and White.



ZINNIA CUT &amp; COME AGAIN



DREAMLAND MIX



MAGELLAN MIX



QUEENY LIME ORANGE



SHORT STUFF MIX



ZESTY MIX



PROFUSION CHERRY



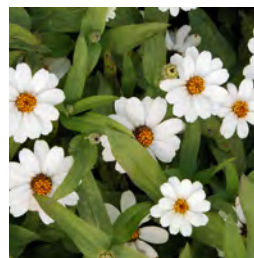
PROFUSION CHERRY BICOLOR

PROFUSION RED  
YELLOW BICOLOR

PROFUSION ORANGE



PROFUSION RED



PROFUSION WHITE



PROFUSION YELLOW





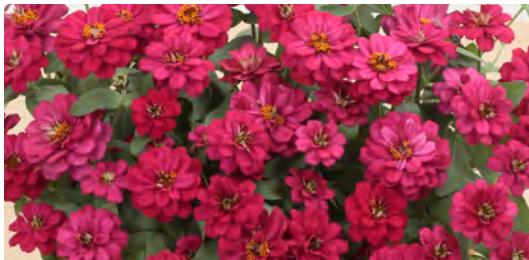
PROFUSION MIX



PROFUSION DOUBLE  
DEEP SALMON



PROFUSION DOUBLE FIRE



PROFUSION DOUBLE HOT CHERRY



PROFUSION DOUBLE YELLOW



ZYDECO CHERRY



PROFUSION DOUBLE MIX



ZYDECO MIX



ZYDECO DEEP YELLOW



ZYDECO FIRE

**Profusion Double** - Fully double flower on the popular Profusion plant. Larger flowered, but all the great qualities of the original series.

**Deep Salmon** - AAS Winner

**Fire**

**Hot Cherry** - AAS Winner, non-fading

**Yellow**

**Mix**

**Zydeco™** - A show-stopper! Features huge, fully double flowers (up to 25% larger than competitors) on an upright, bushy, mounding habit. Zydeco has excellent disease resistance, and is heat and drought tolerant, giving a stunning show of color in any application. Can be used in packs as well as premium pots and baskets or landscapes. Height 14-20". Spread 14-20".

**Cherry**

**Deep Yellow**

**Fire** - most vigorous

**NEW Mix** - mix of Cherry, Deep Yellow, Fire and White





# EDIBLES

VEGETABLES / HERBS



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## PEPPER

### Durango

With a classic guajillo flavor that is both sweet and smoky, these extra large and long, tapered peppers mature from bright red to deep burgundy.

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## TOMATO

### Better Boy Plus

The improved version of Better Boy boasts the same round, richly red fruits, plus greater disease resistance and more adaptability, with plenty of foliage cover.



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## BASIL

### Crimson King

This basil shows off deep purple foliage that emits a fragrance reminiscent of cloves. Its compact growth habit makes it an ideal choice for striking containers.



# VEGETABLES

Note: "days" are the approximate length of time from transplant in your garden to maturity.

## Broccoli

**Gypsy** - One of the most heat tolerant broccoli varieties, it can handle the warmer summer conditions but still performs well in cool fall conditions. This hybrid is very uniform, with high quality, dome-shaped heads. Resistant to Downy Mildew. 62 days.

**Lieutenant** - F1 hybrid. Upright medium high domes with fine beads and smooth mid-sized stems, producing minimal side shoots. Dark green color. Well suited to warm growing conditions, provided they are well watered. Good for the Northeast. 80 days.

## Brussels Sprouts

**Long Island Green** - Stocky, semi-dwarf plants produce lots of tasty green sprouts. Does not need support. Heirloom variety. 90 days.

## Cabbage

**NEW Cheers** - Blue-green, globed shaped heads are uniform and vigorous, weighing 4½-5 lbs. 75 days.

**NEW Expect** - Gorgeous fresh green heads maintain taste, color and high quality in long term storage. 5-9 lb heads are dense, perfectly round and exceptionally uniform. Notable heat tolerance makes this a very versatile variety. Plants are easy to trim, highly consistent, reliable and productive and an excellent choice for the commercial grower. 100 days from transplant. Highly resistant to fusarium yellows.

**Fast Vantage** - Medium green, early season variety. Very uniform, with 2½ lb heads. 59 days.

**Red Acre** - Round, red. Up to 3 lb heads. 80 days.

**Stonehead** - Early, round heads with excellent holding. 2-2¼ lb heads. Yellow resistant. 50 days.

## Cauliflower

**Minuteman** - An early, vigorous hybrid cauliflower that is very consistent and produces a well-wrapped, high dome-shaped head. The curd is uniform, dense, and snow-white in color. Average weight 2¼ lb. 51 days.

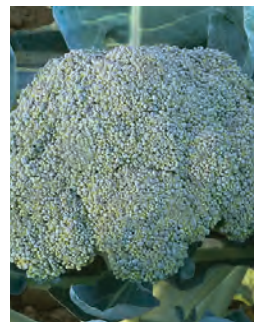
**Snow Crown** - Pure white, round smooth heads weigh more than 2 lbs. Excellent quality; vigorous uniform plants. 50 days.

## Celery

**Giant Pascal** - Elite strain of tall Utah. It produces long, thick stalks which are not brittle. 11-12" stalks are bright green and slow to pith. 100-110 days.

## Eggplant

**Classic** - Glossy blackish purple 8-9" fruit with oval elongated shape. 76 days.



BROCCOLI GYPSY



BROCCOLI LIEUTENANT

BRUSSELS SPROUTS  
LONG ISLAND GREEN

CABBAGE CHEERS



CABBAGE EXPECT



CABBAGE FAST VANTAGE

CABBAGE RED ACRE



CABBAGE STONEHEAD



CAULIFLOWER MINUTEMAN



CAULIFLOWER SNOW CROWN



CELERY GIANT PASCAL





EGGPLANT CLASSIC



EGGPLANT HANSEL

**Hansel** - AAS Winner. Shiny dark purple fruits are borne in finger-like clusters of 3-6" fruit. Less than 3' tall, this is great for containers. 55 days.

## Ground Cherry 🌞

**Aunt Molly's** - Ground cherries resemble a tomato inside a papery husk. With a high pectin content, they are often used for preserves or pies. 65 days.

## Kale 🌞

**Scotch Blue Curled** - Compact plants yield tender, blue-green, crinkled leaves that are quite delicious, very cold hardy, and rich in vitamin A. Height 12-15". Spread 20-35". 53-65 days.



GROUND CHERRY  
AUNT MOLLY'S



KALE SCOTCH BLUE CURLED



LETTUCE BLACK  
SEEDED SIMPSON

## Lettuce 🌞

**Black Seeded Simpson** - Popular home garden loose leaf variety. Large, light green leaves with ruffled edges. 45 days.

**Buttercrunch** - A long time favorite with leaves that are juicy and crisp. Performs well in warm growing areas. Bib type. 65 days.

**Great Lakes 659** - Iceberg type lettuce with outstanding tip-burn resistance. Good in cool or warm conditions. Produces solid, large, dark green heads. Slow to bolt. 80-90 days.

**Mesclun Baby Leaf** - An assortment of colors, shapes, and textures. Includes romaine, oak leaf, and curled types. 50-55 days for mature leaves or only 28 days for baby leaves.

**Parris Island Cos** - Romaine type, dark gray-green, 8-12" head with creamy white center. Slightly savoyed. Tipburn and mosaic tolerant. 70-80 days.

**Thurinus** - An attractive red romaine lettuce, with great contrast between dark red and lighter green at the base of the leaf. Uniform plants are well suited for spring, summer, and fall. High resistance to various strains of downey mildew. 56 days.



LETTUCE BUTTERCRUNCH



LETTUCE MESCLUN BABY LEAF

## Onion 🌞

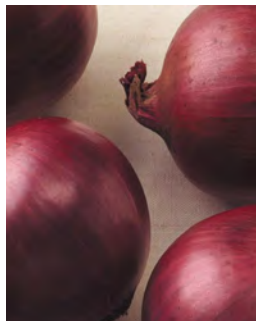
**Candy** - Dark, day neutral, white onion with mild flavor and thick rings. Suitable for planting in north and south, yields huge, very early bulbs. 85 days.

**Red Zeppelin** - Large, round, uniform bulbs of attractive red color. Stores up to 6 months. 115 days.

**White Sweet Spanish** - Well known mid-season onion with a mild, sweet flavor. 115 days.



LETTUCE PARRIS ISLAND COS



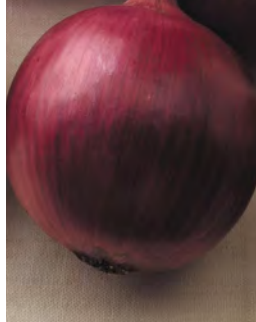
ONION RED ZEPPELIN



LETTUCE THURINUS



ONION CANDY



ONION RED ZEPPELIN



ONION WHITE  
SWEET SPANISH



LETTUCE GREAT  
LAKES 659





## Pepper

**Anaheim** - Long, tapered fruit are flat, thick-walled and smooth. Mild flavor, good for roasting. Green-to-red color. Fruits measure 5" by 3". 74-76 days.

**Better Belle IV** - An upgrade from Better Belle III, this is a popular green-to-red sweet bell pepper known for early maturity, outstanding color and high yields of quality fruit. It has fantastic disease resistance. 4 lobed green/red fruits measure 4" by 5". 75 days.

**Big Bertha** - Sweet, blocky, thick walled fruit 7" long and 4" wide. Fruit ripens to red and can weigh over 1 lb. Height 18-24". 72 days.

**Cali Wonderful** - F1 hybrid. A uniform green to red mid-season variety whose blocky fruits are very nearly square, measuring 4 1/2" top to bottom and side to side. The three to four lobed fruits are thick-walled, crisp and firm, even when matured fully red. Excellent disease resistance - bacterial spot races 1, 2, and 3, TMY, and PVY. 72-77 days.

**Candy Cane** - F1 hybrid. This sweet non-bell pepper has variegated foliage and is perfect for containers or in ground, with or without support. The 3 1/2-3 3/4 oz. fruits have sweet flavor and crisp texture, making them delightful at any stage of ripeness. Height 18-24". Spread 12-18". 55-60 days (green). 70-75 days (ripe).

**Chocolate Cherry** - ripens from green/white striped to unique chocolate and cherry stripes

**Red** - ripens from green/white striped to solid red

**Carolina Reaper** - The world's hottest pepper! The initial bite is sweet, then wait for "extreme heat". The 1-3" long by 1-3" wide peppers are red and gnarled with a bumpy texture and a small pointed tail. Can reach 4' tall. 90 days.

**Cayenne Long Thin** - Very hot and thin-walled. The two cell fruits curl and twist. 4-6" long by 3/4" wide. 67-72 days.

**Cubanelle** - Produces large 7 1/2" by 2 1/2" uniform fruit with a sweet fruity taste warmed by a hint of heat. Harvest when bright lime green or allow to mature to red. Vigorous, erect plants provide large fruit set with a long harvest period. Excellent for frying and used widely in Caribbean cooking. 62-66 days.

**Dragonfly** - AAS winner. This unique pepper starts out lime green, then transforms to a beautiful deep purple color and eventually turns bright red. The juicy, thick walled 3 1/2" by 3 1/2" sweet bell peppers will hold for a long time on the plant. 75 days.

**NEW Durango** - Extra large, long and tapered fruits measure 6 1/2-7 1/2" long and 1 1/2" wide, weighing 2-2 1/2 oz. Has a classic guajillo, sweet and smoky flavor, and is typically dried and used for sauces, paste, or rubs for seasoning. Can also be enjoyed fresh in salsa. They mature from bright red to deep burgundy. 70-80 days.

**Golden California Wonder** - Smooth, blocky, 4-lobed peppers with sweet, mild flavor. Continuously sets green fruit maturing to golden yellow. 62-73 days.

**NEW Golden Cayenne** - A chili pepper that starts out green, matures to golden yellow and gets hotter as it ripens. Plant in medium-sized containers or directly in the ground, with or without support. Excellent for cooking in sauces or fresh in salsa. Height 18-24". Width 12-18".



PEPPER ANAHEIM



PEPPER BETTER BELLE IV



PEPPER BIG BERTHA



PEPPER CALI WONDERFUL



PEPPER CANDY CANE CHOCOLATE CHERRY



PEPPER CANDY CANE RED



PEPPER CAROLINA REAPER



PEPPER CAYENNE LONG THIN



PEPPER CUBANELLE



PEPPER DURANGO



PEPPER DRAGONFLY



PEPPER GOLDEN CAYENNE





PEPPER GOLDEN CALIFORNIA WONDER



PEPPER HABANERO ORANGE



PEPPER HUNGARIAN CHEESE ORANGE YOU SWEET



PEPPER HABANERO RED



PEPPER HUNGARIAN CHEESE RIGHT ON RED



PEPPER HOT HUNGARIAN WAX



PEPPER HUNGARIAN CHEESE YES TO YELLOW



PEPPER HUNGARIAN CHEESE MIX



PEPPER JALAPENO LA BOMBA II



PEPPER JALAPENO M

**Habanero Orange** - Very hot! Lantern shaped fruits are thin-walled, maturing from light green to golden orange. 2" long by 1½" wide. Fruits can burn! 90 days.

**Habanero Red** - One of the hottest peppers you can grow. A standard habanero pepper ripens to a golden orange, but this one will ripen to a brilliant red. The wrinkled, thin walled fruit are 1½" by 1¼". Plant height 10-18". 95 days.

**Hot Hungarian Wax** - (Hot Banana) - Light yellow fruits mature to dark red. 5½" by 1½" tapered fruits. Popular for canning. Compact habit. Height 24". 70 days.

**Hungarian Cheese** - F1 hybrid. High yielding, extremely early, picture perfect, mini bell peppers. The sweet peppers are flattened and fluted with thick walls. The 24" tall plants are perfectly suited to container or garden growing. They're particularly good for stuffing and pickling. Try these in patio containers for colour, and then enjoy the flavour in the kitchen. 65-68 days.

**NEW Orange You Sweet**

**NEW Right on Red**

**NEW Yes to Yellow**

**Mix** - red, yellow and orange

**Jalapeno La Bomba II** - Strong, easy-to-harvest, indeterminate plants bear very large, high-quality jalapeños with little to no cracking and medium heat level. Improved disease resistance to bacterial leaf spot. Suitable for in-ground planting and container growing. 50-55 days to green, 65-70 days to red fruits.

**Jalapeno M** - This thick-walled and juicy dark green to red pepper produces a fiery hot, pungent flavor. The fruits are 3" by 1" and tapered. If the peppers are green at the end of the season you can pull up the entire plant and hang it in a dry spot to finish ripening the fruit. Height 24-36". 75 days.

## HEAT UNITS HOT PEPPER SCOVILLE RATING

Carolina Reaper	1,400,000 - 2,200,000
Cayenne Long Thin	30,000 - 50,000
Durango	2,500 - 5,000
Golden Cayenne	30,000 - 50,000
Habanero Orange	100,000 - 350,000
Habanero Red	150,000 - 350,000
Hot Hungarian Wax	5,000 - 10,000
Jalapeno La Bomba II	1,000 - 5,000
Jalapeno M	2,500 - 8,000
Red Cherry Hot	2,500 - 5,000
Tabasco	30,000 - 50,000







**King of the North** - An excellent bell pepper for short-season growers. This variety produces nice, blocky fruit with sweet flavor picked green or red. 57 days green, 64-70 days red.

**Lady Bell** - Our most popular pepper! Rich green, 3-4 lobed 3½" peppers. Matures to red. Excellent even in cool climates. TMV resistant. 71 days.

**Majestic Red** - High quality sweet bell with extra-large, candy apple red fruits. High yielding. High resistance to tobacco mosaic, bacterial spot. Some resistance to phytophthora root rot. 75-85 days.

**New Ace Hybrid** - Extra early, this sweet and tender blocky pepper matures from green to crimson. Produces mostly three-lobed fruit with abundant and continuous fruiting. Good vigor and wall thickness. Habit prevents sunscald. TMV resistant. 60 days.

**Orange Blaze** - AAS Winner. An early-ripening, 3-lobed orange bell variety, very sweet flavor, and multiple disease resistances. Fruits measure 3-4" by 1½". 65-70 days.

**Purple Beauty** - Blocky, 4" by 3½" thick walled, sweet fruits. Green to deep purple to red. Unique for roadside sales and home gardens. 70 days.

**Red Cherry Hot** - Large, smooth, red, cherry shaped hot peppers mature from green to red. Very prolific. 1¼" by 1½" fruits. 75 days.

**Red Knight X3R** - An early green to red sweet bell pepper with large blocky fruit measuring 4½" by 4½". Turns red early and is fruity and sweet in flavour. 65-70 days.

**Snackabelle Red** - A sweet, mini bell pepper with firm, thick walls and blocky shape. Great for cooking, grilling and stuffing. They measure 2¼ x 2¼", ripening from green to red. 75 days.

**Sweet Banana** - (Sweet Hungarian) - Large fruits with thick walls; light yellow in color, deepening to orange at maturity. Nicely tapered 7" by 2" fruits are ideal for fresh markets, gardening, and pickling. Popular for frying. Strong growing and widely adapted. 68 days.

**Tabasco** - Originally from Mexico, these are known as "the pepper that adds the kick to the sauce!" They grow tall with very hot, petite, yellow-red 2" fruits. Height 30". 80 days.

## Simply Salad Blends

Mixed salad greens in the same plug cell! An easy way to grow mixed salad right in your own home – plant into a color bowl or a window box and harvest time after time. First cut as early as 4 weeks after planting.

**Summer Picnic Mix** - Heat resistant, late-bolting mix of red and green lettuce.

## Strawberries

**Beltran** - Big semi-double white flowers produce medium sized, conical shaped, deep red fruits. Its trailing habit makes it attractive in hanging baskets or containers, and can be used as an ornamental while in bloom and while producing fruit. An abundance of edible strawberries can be picked late spring to early autumn. Height 6-9". Spread 15-18". Zones 5-9. 65-80 days.



PEPPER KING OF THE NORTH



PEPPER LADY BELL



PEPPER MAJESTIC RED



PEPPER NEW ACE HYBRID



PEPPER ORANGE BLAZE



PEPPER PURPLE BEAUTY



PEPPER RED CHERRY HOT



PEPPER RED KNIGHT X3R



PEPPER SNACKABELLE RED



PEPPER SWEET BANANA



PEPPER TABASCO



SIMPLY SALAD SUMMER PICNIC MIX



STRAWBERRY BELTRAN



STRAWBERRY BERRIES HILL MONTANA





STRAWBERRY BERRI  
BASKET APPLEBLOSSOM



STRAWBERRY BERRIES HILL TOSCANA



STRAWBERRY DELIZZ



STRAWBERRY SUMMER BREEZE CHERRY BLOSSOM



STRAWBERRY  
FRAGOO WHITE



STRAWBERRY SUMMER BREEZE SNOW



TOMATO AMISH PASTE



TOMATO BEEFMASTER



TOMATO BETTER BOY



TOMATO BETTER BOY PLUS



TOMATO BIG BEEF



TOMATO BIG BEEF PLUS

**NEW Berri Basket Appleblossom** - An ever-bearing, compact and bushy variety. Produces light pink blossoms that mature into large deep red, full flavored berries. Will produce until first frost. Well suited in planters, hanging baskets and in ground plantings. Height 6-8". Spread 18-24". Zone 4.

**Berries Hill** - An everbearing F1 hybrid, this large flowered series produces sweet, juicy strawberries all summer long! Use in containers, hanging baskets or in the ground. Height 10-12". Spread 12-16". Zone 4.

**NEW Montana** - white blossoms

**NEW Toscana** - deep rose blossoms

**Delizz®** - AAS Winner. Delizz is a delightful ever-bearing strawberry suitable for pot production. You can easily have ripe strawberries on your plants at retail. Wonderfully sweet, easy to grow, and abundant producer. Height 8-12". 60 days. Hardy to zone 3.

**Fragoo White** - An ornamental plant with sweet-flavoured berries. Day neutral, everbearing, hardy to Zone 5, will make attractive runners up to 3 feet long. Excellent for pots, baskets and mixed containers. Height 4-6". 90-100 days.

**Summer Breeze** - This is one you will want to try! Sensational, semi-double flowers give way to abundant gourmet, sweet, large fruits. Beautiful in hanging baskets or window boxes. Day-length neutral. One plant is capable of producing up to a pound of fruit in a season. Harvest 6-10 weeks from transplant.

**Cherry Blossom** - cherry/pink flowers

**Snow** - white flowers

## Tomato 🌞

**Amish Paste** - A long-time favorite heirloom plum. Large for a sauce tomato, Amish Paste's slightly irregular plum or strawberry shaped fruits avg. 8-12 oz. with excellent flavor. These meaty tomatoes are good in salads and great for processing. Indeterminate. 85 days.

**Beefmaster** - Strong vines yield large quantities of beefsteak type tomatoes up to 2 lbs. A real mouth watering, large, deep red, full flavored tomato! Indeterminate. Disease resistance = V, F1, N, A, St. 80 days.

**Better Boy** - Deep red, globe shaped fruits average 16 oz. with a very meaty interior. Plants provide plenty of foliage cover. Indeterminate. Disease resistance = A, F1, N, St, V. 75 days.

**NEW Better Boy Plus** - An upgraded version of Better Boy with the same deep red, globe shaped fruits. Weighs 16 oz. with a very meaty interior. Plants provide plenty of foliage cover and adaptability, plus better disease resistance. Indeterminate. Disease resistance = A, F1, N, ST, TMV, TSWV, V. 77 days.

**Big Beef** - Ruby red 10-12 oz. fruits are large, meaty, juicy and flavorful. A gardener's favorite, it's vigorous, productive and disease resistant. Indeterminate. Disease resistance = V, F1, F2, N, T. 70 days.

**NEW Big Beef Plus** - Big Beef is one of the most popular beefsteak tomatoes. The 10-12 oz. fruits now have an improved and sweeter flavor, richer color, and more adaptability, plus added TSWV resistance for protection in warmer climates. Indeterminate. Disease resistance = A, F1, F2, ST, TMV and indeterminate resistance to Nematodes and TSWV. 73 days.





**Brandywine** - An indeterminate, heirloom type with a sweet, rich, slightly spicy flavor. These somewhat squat, lobed fruits are up to 7" large, weighing 1-2 lb. Produces one to two fruits per cluster per stem. Please note: leaf shape may vary from potato-leaf to tomato-leaf types. 88 days.

**NEW Pink** - reddish pink fruits

#### Red

**Burpee Big Boy** - Large 1-2 lb. deep globe shaped fruits. Firm scarlet red tomatoes have thick walls and a rich, exceptional flavor. Indeterminate. A favorite! 78 days.

**NEW Bush Early Girl** - A slicer tomato that is early maturing with a compact habit. The red fruits weigh 6½-7½ oz. Wonderful flavor! Determinate. Disease resistance: A, F1, F2, N, TMV, V. 63 days.

**Carolina Gold** - Small plants bear large, smooth, golden yellow fruits. Beefsteak type, with crack tolerant fruit 7½-10 oz. Determinate. VF1&2. 75 days.

**Celebrity** - AAS Winner. Highly productive performer under a wide range of growing conditions throughout the country. Large 8 oz. firm and flavorful 3½" fruits are resistant to a broad range of diseases. An excellent home garden variety. Determinate. Disease resistance = A, F1, F2, ST, TMV, N, V. 75 days.

**NEW Celebrity Plus** - Celebrity Plus maintains all the well known traits of Celebrity with improved disease resistance against Tomato Spotted Wilt Virus. A highly productive performer under a wide range of growing conditions throughout the country. The 8oz, firm and flavorful 3½" fruits are resistant to a wide range of diseases. An excellent home garden variety. Determinate. Disease resistance = A, F1, ST, N, TMV, TSWV, V. 70 days.

**Cherokee Purple** - An heirloom tomato that often wins taste-testing competitions around the country. The tomato is a beautiful dusky pink with a deep, rich-red interior. Grows well in most regions of the U.S. Let the fruit ripen on the vine for the best flavor. Fruit size is 10-12 oz. Vigorous vines benefit from staking or caging. Indeterminate. 80-90 days.

**Early Girl** - Early slicing tomato yields a prolific crop of 4-6 oz. globular fruits all summer. Rich red. Indeterminate. Disease resistance = V, F1, F2. 57 days.

**NEW Early Girl Plus** - One of the earliest varieties on the market just got better! This early slicing tomato yields a prolific crop of 4-6 oz. fruits all summer long. Plus now has a better disease package as well. Indeterminate. Disease resistance = A, F1, F2, ST, TSWV, V. 57 days.

**Fantastico** - AAS Winner. An early-maturing, high-yielding grape tomato with built-in late blight tolerance. Determinate. Will work great in hanging baskets, container gardens, as well as in small gardens. Long clusters of sweet, half-ounce grape tomatoes are held toward the outside of the plant and resist cracking. Very high yielding. Provide some plant support. 50 days.



TOMATO BRANDYWINE PINK



TOMATO BURPEE BIG BOY



TOMATO BRANDYWINE RED



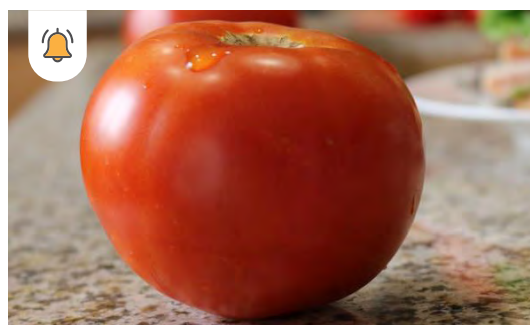
TOMATO BUSH EARLY GIRL



TOMATO CAROLINA GOLD



TOMATO CELEBRITY



TOMATO CELEBRITY PLUS



TOMATO CHEROKEE PURPLE



TOMATO EARLY GIRL



TOMATO EARLY GIRL PLUS



TOMATO FANTASTICO



TOMATO HEARTBREAKER  
VALLERY RED



TOMATO JET STAR





TOMATO HEIRLOOM RAINBOW BLEND



TOMATO LA ROMA III



TOMATO MOUNTAIN MERIT



TOMATO RAPUNZEL



TOMATO PARK WHOPPER



TOMATO PATIO



TOMATO RED GRAPE



TOMATO SUGAR RUSH




TOMATO RED PROFUSION



TOMATO RUTGERS



TOMATO SUN SUGAR

 **Heartbreaker® Valley Red** - A decorative cocktail tomato that is shaped like a "heart" when cut in half! They make a great choice in soups and salads. Performs best in well drained soil. Great for patio containers and hanging baskets with a trailing growth habit. Use in 9" pots. Determinate. 70 days.

**Heirloom Rainbow Blend** - The best of the "heirlooms". Includes Mortgage Lifter (pink), Red Brandywine, Kellogg's Breakfast (orange), Aunt Ruby's German Green, Black Krim, Yellow Brandywine, Big Rainbow (bicolor) and Great White. All indeterminate and all bearing large delicious fruit. Days to maturity vary. 80-100 days.

**Jet Star** - High yields of globe shaped 6-8 oz. fruit have great color. Indeterminate. Disease resistance = V. 72 days.

**La Roma III** - Large, tasty, paste tomato on vigorous plants. 5-8 oz. fruits, Determinate. Disease resistance = A, St, N, V, F. 76 days.

**Mountain Merit** - AAS Winner. Dark red fruits grow on compact, uniform plants and offer good resistance to multiple diseases common to home grown tomatoes. Resistance to fusarium 123, verticillium, tomato spot wilt virus, late blight. Moderate resistance to early blight and nematodes. 8-10 oz. fruits. Determinate. 75 days.

**Park Whopper** - Extra large fruit of 12 oz. or more. Best eating tomato. Early and uniform, producing right to the end of the season. Indeterminate. Disease resistance = V, F1, F2, N, TMV. 65 days.

**Patio** - Very compact and early for patio pots or small gardens. 3-4 oz. fruits are firm and brightly colored. Determinate. Disease resistance = V, F1, F2. 65-68 days.

**Rapunzel** - A really special plant, with trusses over 20" long, bearing super-sweet cherry tomatoes. The fruits ripen in a very tight window, allowing harvesting of the entire truss. Days to harvest 67-72.

**Red Grape** - An F1 hybrid, this tomato produces long clusters of 20 or more tasty baby grape tomatoes that are bright red, crack resistant, and 1-2" long. Use in salads and cooking, or pick off the vine as a quick snack! Produces ¾ oz. fruits until first frost. Indeterminate. Disease resistance: F1, F2, N, TMV. 75 days.

**Red Profusion** - A trailing cherry tomato that is great for large baskets or containers. Produces 1" fruit all over the plant. Indeterminate. 52 days.

**Rutgers** - Popular old fashioned open pollinated variety. Smooth, firm 5 oz. fruits. Indeterminate. Disease resistance = V, N, F1. 78 days.

**Sugar Rush** - A super sweet cherry-type. Fast maturing and extremely productive all season. Earlier and more productive than Sweet 100. ¾-1¼" fruits. Indeterminate. 50-55 days.

**Sun Sugar** - This golden cherry tomato is very sweet! The large plants bear huge quantities of ½ oz. fruits. Thin skins have good crack resistance. Indeterminate. Disease resistance = F1, TMV. 62 days.



**Super Sweet 100** - Early-season, home gardener favorite. This staking variety has tasty round cherry tomatoes that are jointed with green shoulders. Harvest lasts several months as blossoms and fruit develop progressively. Indeterminate. 62 days.

**Sweet Million** - Huge yields of sweet cherry tomatoes on dependable plants all season long. Always a favorite. Indeterminate. Disease resistance = F1, N, TMV, leafspot. 65 days.

**Yellow Pear** - This old time non-hybrid pear tomato is loaded with hundreds of small 1-2" yellow pear-shaped fruit. Determinate. Disease resistance = A. 78 days.

## DISEASE resistance key

<b>A</b>	<b>Alternaria Stem Canker</b>
<b>St</b>	<b>Stemphylium Gray Leaf Spot</b>
<b>N</b>	<b>Root Knot Nematodes</b>
<b>V</b>	<b>Verticillium</b>
<b>F</b>	<b>Fusarium Wilt Race 1, 2 or 3</b>
<b>TMV</b>	<b>Tobacco Mosaic Virus</b>
<b>TSWV</b>	<b>Tomato Spotted Wilt Virus</b>
<b>TMV</b>	<b>Tobacco Mosaic Virus</b>
<b>TSWV</b>	<b>Tomato Spotted Wilt Virus</b>



TOMATO SUPER SWEET 100



TOMATO SWEET MILLION



TOMATO YELLOW PEAR

# TOMATO uses guide

**Determinate** = Varieties that are bushy in form, and stop growing once they begin yielding. May not need staking.

Carolina Gold  
Celebrity  
Celebrity Plus  
Fantastico  
Heartbreaker®

La Roma III  
Mountain Merit  
Patio  
Yellow Pear

## All others are...

**Indeterminate** = Vines continue to grow and bloom up until frost. Usually require staking or cages and become very large.

## Cherry/Salad

Fantastico  
Rapunzel  
Red Profusion (trailing)  
Red Grape  
Sugar Rush

Sun Sugar  
Super Sweet 100  
Sweet Million  
Yellow Pear

## Paste

Amish Paste  
La Roma III

## Heirloom Non-hybrid

Amish Paste  
Brandywine Pink  
Brandywine Red  
Cherokee Purple  
Early Girl

Early Girl Plus  
Heirloom Rainbow  
Rutgers  
Yellow Pear

## Patio/Container

Patio

## Beefsteak

Beefmaster  
Big Beef

Carolina Gold

## Largest Fruits

Beefmaster up to 32oz  
Better Boy 16oz  
Better Boy Plus 16oz  
Big Beef 10-12oz

Big Beef Plus 10-12oz  
Burpee Big Boy 16-32oz  
Park Whopper 12oz

## Late Blight Resistance

Fantastico  
Mountain Merit







BASIL AMETHYST



BASIL ARISTOTLE



BASIL CRIMSON KING



BASIL DOLCE FRESCA



BASIL EVERLEAF  
THAI TOWERS



BASIL EVERLEAF  
EMERALD TOWERS



BASIL EVERLEAF GENOVESE



BASIL NUFAR SWEET



BASIL RUTGERS  
DEVOTION DMR



BASIL TRYBASIL



CHAMOMILE GERMAN

# HERBS

## Basil 🌞

**Amethyst** (*Ocimum basilicum*) - Very dark purple - almost black! Thick leaves, shaped like traditional Genovese basil. Height 16-20". Annual.

**Aristotle** (*Ocimum basilicum*) - A small leaf, ornamental with rounded, compact habit. Beautiful in containers. Aromatic, easy to harvest. Height 10-12". Annual.

**NEW Crimson King** (*Ocimum basilicum*) - A genovese type basil with deep purple leaves that give off a clove-like scent. Its compact habit is good for containers but will stand out wherever you decide to plant. Used in cooking and fresh dishes or as an ornamental. Height 18". Spread 12".

**Dolce Fresca** - AAS Winner. A compact, Genovese type with short internodes and good branching. Fully flavored, sweet Italian leaf. Height 12-14". Annual.

**Everleaf Emerald Towers** (*Ocimum basilicum*) - A well branched variety with dark green, glossy foliage and short internodes makes a beautiful towering plant. Plant in containers or the garden for continuous harvest up to 12 weeks later than traditional basil. Tidy columnar habit. Wonderful in Italian dishes. Height 24-36". Annual.

**Everleaf Genovese** (*Ocimum basilicum*) - High-yielding and slow-bolting with very compact internodes. Downy mildew and fusarium resistant. Classic Genovese aroma. Use this basil in Italian dishes, and with tomatoes and pasta. Height 8-12". Annual.

**Everleaf Thai Towers** (*Ocimum basilicum*) - A well branched, gorgeous basil with masses of medium green leaves that may have purple flecks. Short internodes on purple stems add to your garden or retail display. Flowers 10-12 weeks later than the standard Thai basil. Its licorice flavor will complement any dish, especially in Thai cuisine. Use in curry or chop fresh on Pad Thai to enjoy the full licorice aroma experience. Height 24-36". Annual.

**Nufar Sweet** (*Ocimum basilicum*) - An excellent aromatic variety. Very tasty. Use for pesto and garlic flavored dishes, fresh or dried. Great fusarium resistance. Height 24-30". Annual.

**Rutgers Devotion DMR** (*Ocimum basilicum*) - Featuring Downy Mildew resistance so good it's patented! Forms large, cupped leaves with a slightly sweet and spicy aroma. Compact plant is highly productive. Great in pesto, Italian dishes, or in fresh salads or soups. Height 18-20". Annual.

**Trybasil** (*Ocimum basilicum*) - Three varieties of basil in one cell so you can "try a trio". Contains Genovese, Serrated Green and Dark Red selections. Garden height up to 30". Harvest in just 3-4 weeks from planting. Annual.

## Chamomile 🌞

**German** (*Matricaria recutita*) - Apple fragrance for use in drinks; also an ornamental with small white daisies. Height 24". Annual.



## Chives

**Chinese Broadleaf** (*Allium tuberosum*) - 14-16" deep green leaves are broad and thick with mild flavor. Great for Chinese dishes or stir fry. Perennial.

**Garlic** (*Allium tuberosum*) - Flat solid leaves with white flowers. Distinct garlic flavor. Leaves and flowers used in salads, soft cheeses, and stir fry recipes. Height 24-30". Zones 3-9.

**Onion** (*Allium schoenoprasum*) - Like a grass onion, this herb is excellent seasoning – great with potatoes and eggs. Height 12-18". Zones 3-9.

**Ornamental One Mix** (*Allium tuberosum*) - Attractive tricolor mix. Great as a border plant or kitchen herb, and is an excellent pollinator. Large and rich flowering. Uniform growth. Heat and drought tolerant. Suitable for natural landscaping and low maintenance plantings. Deer resistant. Easy to grow. Height 12". Zones 3-9.



CHIVES CHINESE BROADLEAF



CHIVES GARLIC



CHIVES ONION



CHIVES ORNAMENTAL ONE MIX

## Cilantro

**Cruiser** (*Coriandrum sativum*) - A versatile herb that is popular in Mexican and Asian cooking. Seeds, known as Coriander, have a slight lemony flavour, often ground and used as a spice. The leaves, known as Cilantro, have a pungent citrusy flavor. A must in salsa! Cruiser has been chosen because of its strong tolerance to bolting and high yield. Height 18". Annual.



CILANTRO CRUISER



CURRY TALL

CYMBOPOGON  
LEMON GRASS

## Curry

**Tall** (*Helichrysum angustifolium*) - Narrow elongated silver-gray leaves with clusters of yellow, button-like flowers in summer. Sprigs added to savory dishes to give mild curry flavor. Very aromatic. Height 18". Tender perennial.

## Cymbopogon

**Lemon Grass** - A scented culinary herb. Grows rapidly and divides easily. Provide ample sunlight, fertilizer and moisture. Useful as a non-toxic insect repellent, sachet, potpourri or for flavoring in Asian cuisine. Grows up to 3-6' high with a spread of up to 3'. Tender perennial in the south, grown as an annual in the north.

## Dill

**Diana** (*Anethum graveolens*) - An heirloom dill with feathery blue-green leaves and a fine aromatic scent that is delicious in green salads, eggs, potatoes or rice. Seeds are used in pickling. Blossoms bring butterflies to the garden. Good variety as it is slow bolting. Height 30". Annual.

**Fernleaf** (*Anethum graveolens*) - Grown especially for its dark green leaves rather than its seed. Numerous, small, yellow flowers appear on an umbrella-like head. Height 18". Annual.



DILL DIANA



DILL FERNLEAF



FENNEL SWEET

LAVENDER ANOUK  
DEEP ROSE

LAVENDER BLUE SPEAR





LAVENDER ELLAGANCE  
PURPLE



LAVENDER HIDCOTE BLUE



LAVENDER ANOUK PURPLE MEDLEY



LAVENDER MUNSTEAD



LAVENDER PRIMAVERA



LAVENDER VICENZA BLUE



LAVENDER INTERSPECIFIC  
PHENOMENAL



MARJORAM SWEET



MELISSA LEMON BALM



MELISSA MANDARIN  
ORANGE BALM

## Lavender

(*Lavandula*) Renowned for its exquisitely scented oils used in aromatherapy and high quality perfumes.

**Anouk** (*L. stoechas/Spanish Lavender*) - Features large, fragrant blooms. A reblooming variety with excellent weather tolerance and disease resistance. Height 14-18". Zones 6-9.

**Deep Rose** - deep rose blooms

**NEW Purple Medley**

**Blue Spear** (*L. angustifolium*) - A very showy English lavender with bigger, taller flower stems. Plant in well-drained soil with good airflow for an optimal plant. Easy to grow, good habit for the garden or containers. Height 11-13". Zones 6-8.

**Ellagance Purple** (*L. angustifolium*) - Fills pots quickly and forms large, dense flower spikes on strong stems. Blooms all summer, attracting butterflies. Height 12-14". Zones 5-8.

**Hidcote Blue** (*L. angustifolia*) - Dark blue flowers on medium spikes; flowers in summer; compact habit. Excellent for drying. Height 12-24". Zones 5-8.

**Munstead** (*L. angustifolia*) - Purple-blue flowers on fairly short spikes; blooms in summer. Flowers are fragrant; plant is compact, bushy, and mounded. Excellent for hedges. Height 18". Zones 5-8.

**Primavera** (*L. stoechas/Spanish Lavender*) - A unique upright Spanish Lavender topped with fragrant burgundy flags above small purple flowers. This versatile variety flowers in the summer in the mid-South and North, or mid-winter in the deep South. Height 16-18". Spread 14-16". Zones 7-9.

**Vicenza Blue** (*L. angustifolium*) - Compact, bushy variety has large, deep blue spikes above extremely fragrant foliage. This vigorous growing lavender is uniform and most often flowers its first season. Height 12-18". Zones 5-8.

## Lavender interspecific

**Phenomenal** (*L. x intermedia*) - A robust cross with winter hardiness, good resistance to heat, humidity, foliage and root diseases. Blooms a little later than angustifolia types, may also repeat bloom. Long stems are suitable for fresh or dry arrangements with wonderful fragrance. Pollinators love it! Height 23-29". Zones 5-9. Propagation prohibited.

## Marjoram

**Sweet** (*Origanum majorana* or *Majorana hortensis*) - Sweetly flavored leaves are used in meats, eggs, and sausages. Also great in Italian and Greek cooking. Sweeter flavor than Oregano. Height 12-24". Annual.

## Melissa

**Lemon Balm** (*Melissa officinalis*) - Mint relative with strong lemon scented foliage. Useful for teas and gives flavor to sauces, herb vinegars, etc. Spreads up to 24". Zones 4-9.

**Mandarin Orange Balm** (*Melissa officinalis*) - orange scented melissa has a trailing habit that can be used as a ground cover or a "spiller" in large mixed containers or patio pots. Leaves are used for medicinal or herbal teas. Garden height 12-14". Spread 20-24". Zones 4-9.





## Mint

**Apple** (*Mentha suaveolens*) - Round, large hairy leaves. Aromatic herb with fruity, spearmint flavor. Height 36-40". Zones 4-9.

**Chocolate** (*Mentha x piperita*) - Chocolate scented dark green/purple leaves. Height 36". Trailing habit. Zones 3-9.

**Ginger** (*Mentha x gracilis*) - Pink flowers in summer. Gold/green variegated leaves with serrated edges. Highly aromatic leaves. Use fresh as flavoring. Height 24". Zones 6-9.

**NEW Kentucky Colonel** (*Mentha spicata*) - An especially tasty spearmint used for mint juleps and mojitos. Can also be added to tea, jellies and other culinary purposes. Large leaves on a robust plant, easy to grow. Spreads easily in the garden, bears lilac blooms. Height 12-18". Zones 4-11.

**Mojito** (*Mentha x villosa*) - Known as Cuban mint. Refreshing flavor and fragrance, mint of choice for the classic mojitos. Easy to grow, develops pinkish/white blooms. Garden height 36". Zones 5-9.

**Orange** (*Mentha citrata*) - Green, branching stems, tinged with red. White & pink flowers. Very fragrant with bergamot or orange peel scent. Spreads easily in the garden. Height up to 24". Zones 4-11.

**Peppermint** (*Mentha piperita*) - Pale blue flowers in summer. Dark green leaves with a reddish tinge and serrated edges. Use in meat and poultry cooking, green salads, teas. Very strong flavor. Height 24". Zones 4-9.

**NEW Pineapple** (*Mentha suaveolens 'Variegata'*) - One of the most attractive varieties of mint, this versatile plant with variegated leaves can be added to beverages, used as a garnish, or in any dish that calls for mint. Can be grown in containers and hanging baskets. Very vigorous, and best used in containers to contain the plants from spreading into the rest of the garden. Gives off a wonderful fragrance! White or light pink flowers bloom in the summer. Height 24-36". Spread is unlimited. Zones 6-11.

**Spearmint** (*Mentha spicata*) - This refreshing scented, spreading perennial is used for teas, sauces, jellies, sweets and garnishes. Height 36". Zones 4-9.

**Strawberry** (*Mentha piperita*) - This trailing mint will surprise you with its lovely strawberry scent. Use for tea or as a culinary herb. Height 26". Zones 4-9.

## Oregano

**Golden** (*Origanum vulgare "Aureum"*) - Striking chartreuse leaves with small pinkish-white flowers. Flavorful, hardy, beautiful, and easy-to-grow. Height 6-12". Zone 5.

**Greek** (*Origanum vulgare hirtum*) - Available in both plugs and vegetative, this true oregano has an aroma similar to Thyme. Vegetative type has a stronger aroma and grows taller. A choice herb for Italian cooking. Height 18-28". Zones 5-9.

**Hot 'n Spicy** (*Origanum vulgare*) - One of the tastiest oreganos ever! Very aromatic. Height 24". Tender perennial.



MINT APPLE



MINT CHOCOLATE



MINT GINGER



MINT KENTUCKY COLONEL



MINT MOJITO



MINT PINEAPPLE



MINT ORANGE



MINT PEPPERMINT



MINT SPEARMINT



MINT STRAWBERRY



OREGANO GOLDEN





OREGANO GREEK



OREGANO HOT 'N SPICY



OREGANO ITALIAN



OREGANO VARIEGATED



PARSLEY DARKI



PARSLEY GIANT OF ITALY



ROSEMARY BARBECUE



ROSEMARY COMMON



ROSEMARY GORIZIA



ROSEMARY OFFICINALIS



ROSEMARY PROSTRATUS



ROSEMARY TUSCAN BLUE



SAGE BERGGARTEN

**Italian** (*Origanum x majoricum*) - A cross between sweet marjoram and the more piquant wild marjoram, Italian oregano yields a milder flavor than Greek oregano. Probably the most popular culinary oregano. Use the leaves fresh or dry. Height 18-24". Zones 6-9.

**Variegated** (*Origanum vulgare aureum variegata*) - Compact plant with variegated gray, white and green leaves. Important herb in Italian, Greek, and Mexican cooking. Height 12". Tender perennial.

## Parsley 🌞

**Darki** (*Petroselinium crispum*) - Indispensable kitchen herb! A must in the French "bouquet garni". Darki is a premium variety that forms a clump of very tight, curled dark green leaves. Its flavor is excellent and it is even cold weather tolerant! Height 12". Annual.

**Giant of Italy** (*Petroselinium crispum*) - A rich-flavored, true culinary variety, with large flat green leaves. This sweet crisp flavored herb makes the perfect Italian seasoning! Height 12". Zones 6-9

## Rosemary 🌞

**Barbecue** (*Rosmarinus officinalis*) - Pungent variety. Stems can be used as barbecue skewers. Can grow 4-6' tall in temperate climates. Tender perennial. Propagation prohibited.

**Common** (*Rosmarinus officinalis*) - Common rosemary from seed. Zones 6-10.

**Gorizia** (*Rosmarinus officinalis*) - Originating from Gorizia Italy, this mildew resistant variety has large, flat leaves unusual for rosemary. Its unique, upright growth and long stems are perfect to use as skewers or for seasoning meat and poultry. Height 50". Zones 8-10.

**officinalis** "Standard" (*Rosmarinus officinalis*) - Outstanding culinary herb! This upright, bushy, pine scented herb is the original rosemary variety. Noted for its green needle-like foliage it is perfectly flavored and can be used with any meat or poultry dish and for seasoning vegetables. Height 39". Zones 8-11. Propagation prohibited.

**Prostratus** (*Rosmarinus officinalis*) - This creeping, hardy, fast growing rosemary will not disappoint. Its dark green leaves and strong pine-like flavor and fragrance make a lovely culinary herb and rock garden ornamental. Height 12". Zones 8-10.

**Tuscan Blue** (*Rosmarinus officinalis*) - An upright rosemary with needle-like evergreen foliage. Native to the Mediterranean, it gives off a beautiful fragrance. Small violet-blue flowers appear mid-spring to early summer and are also potentially fragrant. Use for cooking, drying, seasoning or as an ornamental. Plant in containers or use as a "thriller" in combinations and in the landscape. Container height 24". Garden height up to 5-6'. Spread 4'. Zones 8-10.

## Sage 🌞

**Berggarten** (*Salvia officinalis*) - Large, round, gray-green leaf with full sage flavor like common sage. Bred not to flower so much, so that leaf production does not stop. Height 18-24". Zones 5-11.





**Icterina** (*Salvia officinalis*) - Leaves are green-gold variegated with noticeable texture and small oval shaped leaves. Great for adding foliage color to the garden. Leaves used in tea and as flavorings for meat, cheese, and dressing. Aromatic. Height 24-32". Zones 6-9.

**Pineapple** (*Salvia elegans*) - Leaves are green with slight red tinge; scent distinctly pineapple. Striking red flowers mid to late summer. Sprigs added to cold drinks and fruit salad. Height 36". Annual.

**Purple** (*Salvia officinalis purpureascens*) - Leaves are purple-green and aromatic. Blooms mauve blue in the summer. Same culinary uses as common sage. Height 24-32". Tender perennial.

**Tricolor** (*Salvia officinalis*) - Leaves are green with pink, white, and purple variegation. Highly aromatic. Small, thin, and oval leaves. Most suitable for decorative use in the garden. Height 18-24". Zones 6-9.

## Satureja

**Indian Mint** - Indian Mint is served as tea and its intense mint flavour is used to alleviate headaches. Light green foliage is topped with small, fragrant white flowers from June through August. Trailing habit is suitable for hanging baskets and combinations. Annual.

## Stevia

**Sweetleaf** (*Stevia rebaudiana*) - With an extract 400 times sweeter than white sugar, this plant is recommended in folk medicine as a sweetener for diabetic diets and for treatment of headaches. Grow in a sunny location with controlled watering. White flowers make it a lovely garden plant as well. Fragrant. Height 16". Tender perennial.



SAGE ICTERINA



SAGE PINEAPPLE



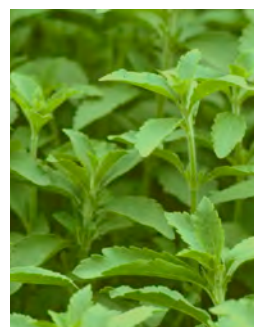
SAGE PURPLE



SATUREJA INDIAN MINT



SAGE TRICOLOR



STEVIA SWEETLEAF

### GROWING TIPS

## HERB SOLUTIONS

Pinch frequently to develop branching. This in turn will yield good leaf production.

Basil is extremely sensitive to cold temperatures. Always keep above 55°F even at night.

Generally, herbs do not like "wet feet". Consistent, modest moisture is essential to avoid botrytis, damp off, or root rots, especially directly following transplant.

Lavender and Rosemary are sensitive to extreme dry-down, causing tip burn or mildew. Again, keep moisture consistent, yet modest.



TARRAGON FRENCH



THYME FAUSTINOI FRENCH

THYME GOLDEN LEMON  
VARIEGATED

THYME LEMON





THYME PINK CHINTZ



THYME SILVER EDGED



THYME VULGARIS ENGLISH



VERBENA LEMON

## Tarragon

**French** (*Artemisia dranunculus*) - Leaves are long and narrow, smooth and dark green. A very strong mint-licorice flavor. Leaves used in cooking. May attract aphids. Lovely, mounded habit. Pink blossoms. Keep on dry side. Full sun. Height 24-30". Zones 4-7.

## Thyme

**faustinoi French** (*Thymus vulgaris*) - "Summer Thyme" is one of the most flavorful of all thyme varieties. Noticeably sweeter and spicier than English types, it is the preferred variety for authentic French cuisine. Used in all types of cooking and grows well in pots or in the garden. Needs some winter protection. Height 12". Zones 4-9.

**Golden Lemon Variegated** (*Thymus citriodorus*) - Green and gold variegated leaves with strong lemon scent. Medium size leaves. Pink flowers in summer. Use for meat, fish, cheese flavoring, pasta, pizza, and oils. Height 10-12". Zones 5-9.

**Lemon** (*Thymus x citriodorus*) - Features tiny, lemon-scented green leaves. This favorite of all thymes can be used in any recipe that calls for lemon. Easy-to-grow herb with a small upright bushy habit. Height 12". Zones 4-9.

**Pink Chintz** (*Thymus serpyllum*) - A beautiful ornamental thyme especially for ground cover in low foot traffic areas, yielding a lovely lemony fragrance. Abundance of bright pink flowers cover the plants, making them attractive to bees and butterflies. Suitable for full sun and minimal moisture. Height 1-2". Zones 5-8.

**Silver Edged** (*Thymus citriodorus*) - Gray-silver variegated lemon scented leaves. Pale pink flowers. Use for meat, poultry, fish, and flavoring cheese, pasta, or pizza. Height 9". Zones 5-9.

**vulgaris English** (*Thymus vulgaris*) - Widely used for seasoning, fresh or dried. Retains flavor well. Hardy, wide, dark green leaves. Used to flavor soups and casseroles. Height 10-12". Zones 4-8.

## Verbena

**Lemon** (*Aloysia triphylla*) - This plant is a "must"! The most lemon scented and flavored of all the herbs - a culinary delight. Makes one of the best teas, especially when blended with mint. Use it to brighten the taste of fish, poultry and veggie marinades. One whiff and you won't want to live without it! Height 24-36". Zones 8-10.



D O N ' T M I S S O U R

# HERB COMBOS

Check out our herb ComboKits™  
in the combo section. Page 44.







# LINERS

ROOTED CUTTINGS



page  
112



#### AGERATUM

### Park Majorelle

A delightful, day-length neutral ageratum that boasts a robust, upright habit with a full canopy of continuous color. Wonderful in large containers and landscapes!

page  
114

#### BEGONIA

### Florencio Red

Bred for outstanding, long-lasting outdoor performance, Florencio is the go-to Begonia hybrida. Its vibrant colors pair with an upright and grower-friendly habit.



page  
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#### BIDENS

### Blazing Star

This variety begins flowering early and continues to bloom throughout the summer season, a myriad of star-patterned blooms adorning the top of each plant.

NEW THIS year

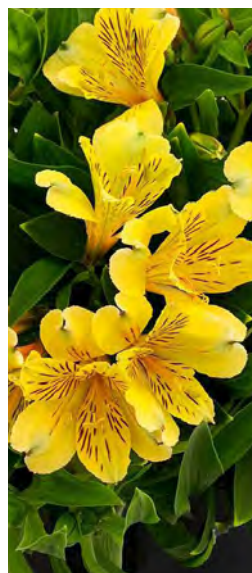




# PETER'S PICKS

There are so many great genetics available that it's really hard to pick! A few however stand out in repeated trials in different conditions and landscapes. These are the foundational products for my "Peter's Picks", while others are significant upgrades or incredible "show-stoppers". All are sure to please!

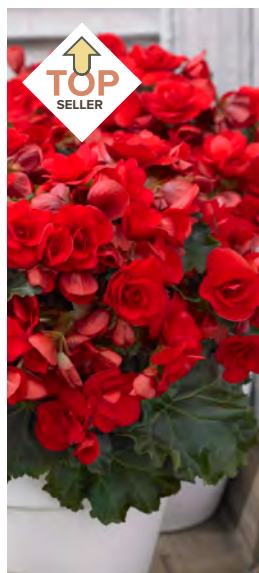
*Peter*



ALSTROEMERIA  
INCA RIO P112



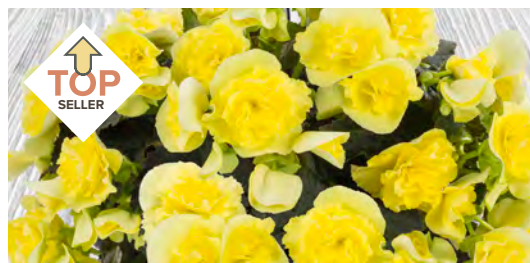
ANGELONIA ALONIA  
BIG DARK PINK P113



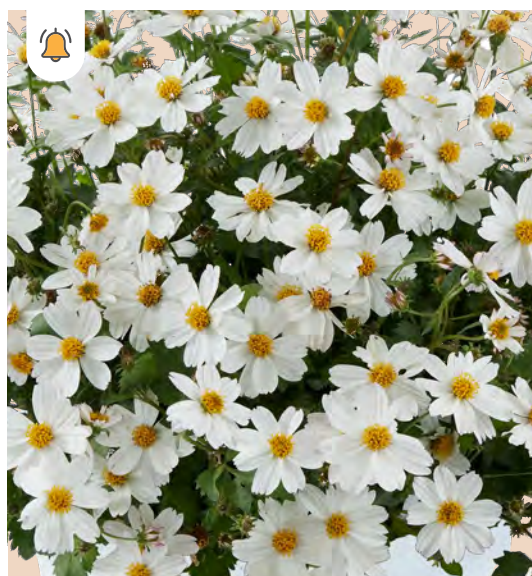
BEGONIA VERMILLION  
RED P115



BEGONIA SOLENIA APRICOT P116



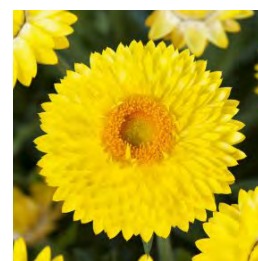
BEGONIA SOLENIA YELLOW P116



BIDENS WHITE DELIGHT IMPROVED P117



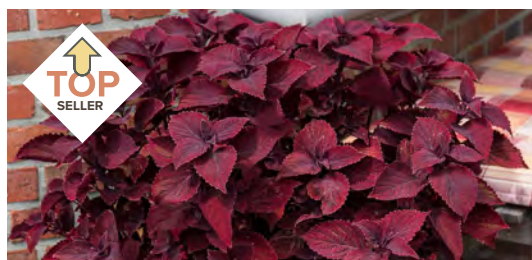
BIDENS GIANT SUN  
FRANCISCO P117



BRACTEANTHA  
GRANVIA GOLD P118



CALIBRACHOA CHAMELEON  
ATOMIC ORANGE P120

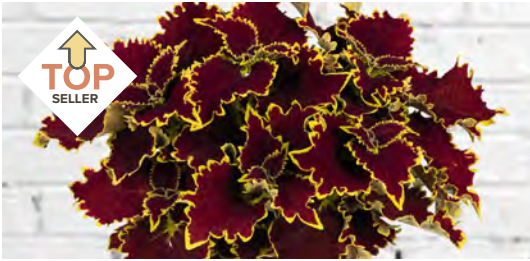


COLEUS MAIN STREET BEALE STREET P124



COLEUS GREAT FALLS NIAGARA P124





COLEUS STAINED GLASSWORKS CROWN JEWEL P125



DAHLIA HYPNOTICA ICARUS P126



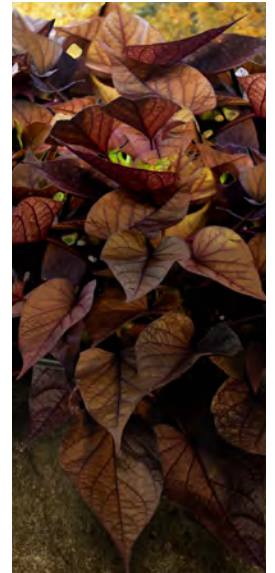
EUPHORBIA STARBLAST SNOWDRIFT P128



GERANIUM CALLIOPE LARGE DARK RED P131



HELIANTHUS SUNBELIEVABLE BROWN EYED GIRL P136



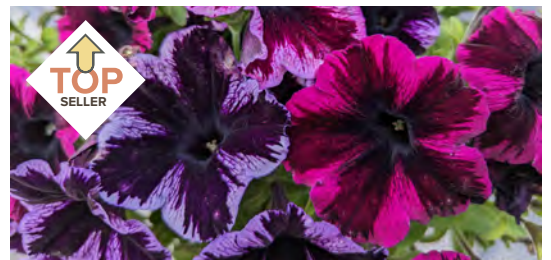
IPOMEA FLORA MIA ROSSO P167



PETUNIA ITSY P151



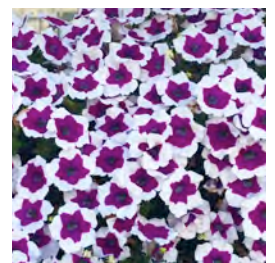
LOBULARIA STREAM WHITE P140



PETUNIA CRAZYTUNIA COSMIC P147



PETUNIA FLOWER SHOWER MAYAN SUNSET P148



PETUNIA ZOOM! PURPLE P151



SALVIA BLUE LAGOON P152



SCAEVOLA SURDIVA BLUE VIOLET P154



SUNPATIENS COMPACT ROSE GLOW P154



VERBENA VANESSA COMPACT RED P158



# LINERS

## Acalypha

"Chenile"

**Cat's Tails** - Long, furry red blooms cascade from bright green serrated foliage. Useful in baskets and pots. Best in moderate temperatures. Height 3-5". Spread 15-18".

## Ageratum

**NEW Park Majorelle** - A lovely ageratum with a vigorous bushy upright habit. Shows a full canopy of color with continuous blooming. Day length neutral. Do not plant in smaller than 8-10" pots. Height 12-24". Spread 12-24". Propagation prohibited.

## Alstroemeria

"Peruvian Lily"

Add color to your flower beds and containers from early summer through fall with these beautiful but tough plants. Also used in cut flower arrangements.

**Inca™** - Compact habit with bushy green foliage and great heat tolerance. Hummingbirds and bees love them. Deer, slug and snail resistant. Pull spent flowers from the base for a refresh of color. Height 16-18". Spread 16-24". Zones 7-10. Propagation prohibited.

**Bandit** - red with black whiskers

**NEW Batavia** - royal purple with speckles and a small white blotch on the uppermost petal

**Husky** - peach, apricot and lemon blooms with chocolate freckles

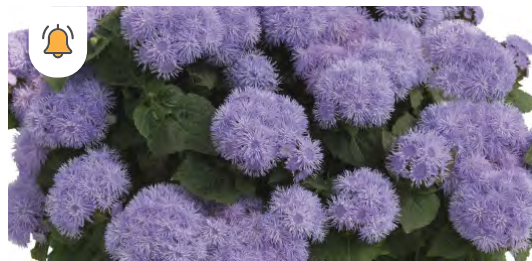
**Lolly** - bright pink shades with dark flecks over white zone

**Lucky** - white with pink throats, dark speckles and green tips

**Rio** - bright yellow flowers with dark speckled centers



ACALYPHA CHENILE  
CAT'S TAILS



AGERATUM PARK MAJORELLE



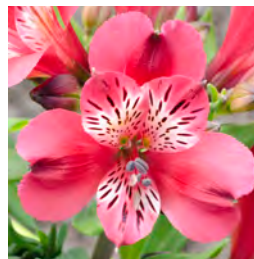
ALSTROEMERIA INCA BANDIT



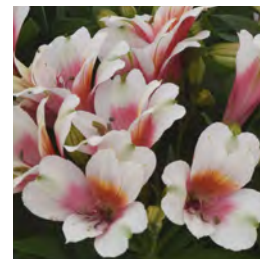
ALSTROEMERIA INCA BATAVIA



ALSTROEMERIA INCA HUSKY



ALSTROEMERIA INCA LOLLY



ALSTROEMERIA INCA LUCKY



ALSTROEMERIA INCA RIO



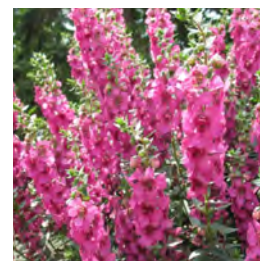
ANGELONIA ALONIA  
BIG CHERRY



ANGELONIA ALONIA BIG  
BICOLOR PURPLE



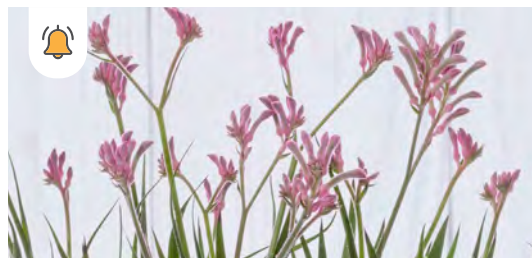
ANGELONIA ALONIA  
BIG BLUE



ANGELONIA ALONIA  
BIG DARK PINK



ANGELONIA ALONIA  
BIG SNOW



ANIGOZANTHOS KANGA PINK



ANGELONIA ALONIA  
BIG GRAPE





ANIGOZANTHOS KANGA RED



ANIGOZANTHOS KANGA YELLOW



ARGYRANTHEMUM SUNNY SPRING



ARGYRANTHEMUM GRANDAISY DARK PINK



ARGYRANTHEMUM GRANDAISY PINK HALO



ARGYRANTHEMUM GRANDAISY RED



ARGYRANTHEMUM GRANDAISY WHITE



ARGYRANTHEMUM GRANDAISY YELLOW



BACOPA SCOPIA DOUBLE INDIGO



SCOPIA DOUBLE SNOWBALL



SCOPIA GREAT REGAL BLUE

## Angelonia

*"Summer Snapdragons"*

These garden tough plants thrive in heat and tolerate both dry and wet conditions. Orchid-like blooms cover the plant and are very showy in beds, borders, and mixed planters. Very versatile and can be used in a variety of containers. Good in the South. Propagation prohibited.

**Alonia™** - A fast growing series with excellent branching and a compact, mounded habit. A great choice for flowering packs and 4" pots. Beautiful performance in our own pot crops. Height 12-20".

**Big Bicolor Purple**

**Big Blue**

**NEW Big Cherry**

**Big Dark Pink**

**NEW Big Grape**

**Big Snow**

## Anigozanthos

*"Kangaroo Paws"*

This unique plant originates from Australia. The flowers show off a velvety tubular form on upright, fuzzy stems with clumps of sword-like leaves.

**Kanga** - Attracts birds and butterflies. Plant in 1-2 gallon pots or in your garden. Great for long-lasting cut flowers. Garden height: 20-24". Spread 12-24".

**NEW Pink**

**NEW Red**

**NEW Yellow**

## Argyranthemum

*"Daisy - Marguerite"*

Popular daisy-type flower on bushy plants. With a more "upright" habit, these plants do better in pots and tubs rather than hanging baskets. Flowers measure 1¼" across. Height 12-14". Perennial in some southern areas. Propagation prohibited.

**Sunny Spring™** - Beautiful single, yellow flowers on upright/bushy foliage will bloom early spring until late fall. Great for larger pots and containers.

## Argyranthemum - hybrid

**Grandaisy®** - An intergenetic cross, bringing argyranthemum to a whole new level. Vigorous and heat tolerant, its huge flowers can be enjoyed all summer in most regions. Large, mounded form is literally covered in blooms. Height 18-24". Propagation prohibited.

**Dark Pink** - dark pink with yellow ring

**NEW Pink Halo** - light pink with dark pink and yellow center ring

**Red** - red with yellow center ring

**White** - white

**Yellow** - yellow, 2-3 weeks later to bloom. More compact than others in the series.

## Bacopa - Sutura

Lovely cascading habit, excellent for hanging baskets, planters, and accents. Beautiful for "bridal" baskets. Good in 4-10" pots. Height 6-8". Propagation prohibited.

**Scopia®** - Scopia is the leading series in Bacopas. No other line has so many colors and flower sizes. At Jolly Farmer, we have finished pots and baskets of Scopias with great success. To define this series, please note: the "Greats" have 0.8-1" flower size, while the "Gullivers" have flowers over 1" in diameter.

**Double Indigo** - large, double blooms, compact habit, early. Heat tolerant.

**Double Snowball** - extra large, double white blooms, semi-trailing, early. Heat tolerant.

**Great Regal Blue** - rich mid-blue, large blooms, vigorous.





**Gulliver Blue** - mid-blue, extra large blooms, semi-trailing, medium vigor.

**Gulliver Compact Purple** - extra large purple flowers on a compact habit. Early to flower. Use in hanging baskets and combos. Good heat tolerance.

**NEW Gulliver Compact Rosa** - large rose flowers on a compact habit. Great for 1-2 gallon containers, hanging baskets, or combos.

**Gulliver Compact White** - extra large, white blooms on compact habit. Excellent for 4" production. Mounded, early.

**Gulliver Pink** - most heat tolerant Gulliver. Extra large blooms, semi-trailing, medium vigor.

**Gulliver Pink Heart** - light pink with deeper eye, extra large blooms, compact, early.

**Gulliver White** - extra-large, white blooms, vigorous.

## Begonia x hybrida

**Florencio™** - Gorgeous color and bold foliage on a medium vigor, upright, well branched habit. Will bloom mid-spring through summer. Pollinator friendly. Recommended for 6" up to 3 gallon pots and hanging baskets. For sun or partial shade applications. Height 16-18". Spread 16-18". Propagation prohibited.

**NEW Orange**

**NEW Red**

**NEW Yellow**

**Fragrant Falls®** - Produces an abundance of large, fragrant double flowers from spring until frost. A delight to the senses! Semi-trailing habit with good branching. Height 8-12". Spread 8-12". Propagation prohibited.

**Lemon** - lemon/yellow with a touch of peachy pink

**Peach** - peachy/yellow blooms

**Sweetspice Appleblossom** - Pretty pink buds open to a creamy white color, flushed with soft pink. The double blossoms are sweetly fragrant. Its cascading habit makes it perfect for hanging baskets, window boxes and patio containers. Creates a beautiful color display and a wonderful sweet scent from late spring to fall. Height 18". Spread 18". Propagation prohibited.



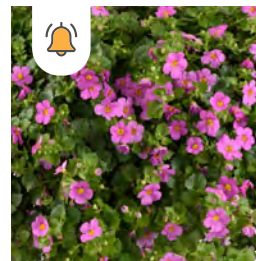
BEGONIA  
BRITT DARK



SCOPIA GULLIVER BLUE



SCOPIA GULLIVER  
COMPACT PURPLE



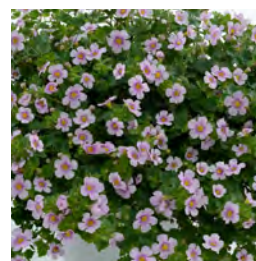
SCOPIA GULLIVER  
COMPACT ROSA



SCOPIA GULLIVER  
COMPACT WHITE



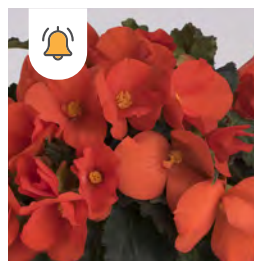
SCOPIA GULLIVER PINK



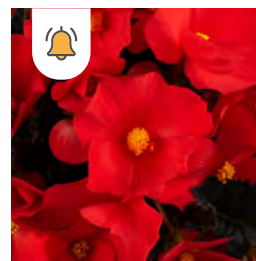
SCOPIA GULLIVER  
PINK HEART



SCOPIA GULLIVER WHITE



BEGONIA FLORENCIO  
ORANGE



BEGONIA FLORENCIO RED



BEGONIA FLORENCIO YELLOW



BEGONIA FRAGRANT  
FALLS LEMON



FRAGRANT FALLS PEACH



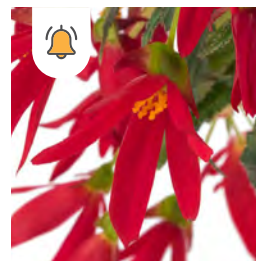
SWEETSPICE APPLEBLOSSOM



BEGONIA BEAUVILIA  
DARK SALMON



BEGONIA BEAUVILIA HOT PINK



BEGONIA BEAUVILIA RED





BEGONIA BEAUVILIA WHITE



BEAUVILIA YELLOW



BELLECONIA HOT ORANGE



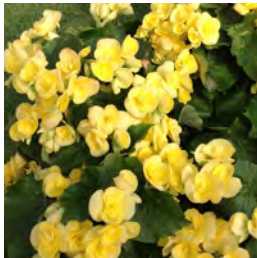
BELLECONIA MANGO



BELLECONIA ROSE



BELLECONIA SOFT ORANGE



BLITZ



BORIAS



CARNEVAL



CARMEN RED



CHLOE CORAL PINK



ESMAY PEACH



EVI BRIGHT PINK



RHODEE PINK



GLORY BICOLOR



VERMILLION HOT PINK



VERMILLION RED

## Begonia - boliviensis

**Beauvilia®** - Single flowers on arching, pendulous stems with dark green pointed leaves. Very vigorous, early flowering and easy branching. Can use in small pots but will also easily fill up to 14" pots, hanging baskets and containers. Height 8-10". Spread 8-12". Propagation prohibited.

**NEW Dark Salmon**

**NEW Hot Pink**

**NEW Red**

**NEW White**

**Yellow**

**Belleconia™** - With large double flowers and a semi-trailing habit, this stunning series has incredible flower power and heat tolerance for continuous blooming all season long. Ideal for baskets and window boxes. Height 8-12". Spread 10-14". Propagation prohibited.

**Hot Orange** - large bright orange-red pom-pom flowers

**Mango** - gold/orange blooms with red stems

**Rose** - rose-pink flowers on moss green foliage

**Soft Orange** - opens light pink with flushes of orange at maturity

## Begonia - hiemalis

A group of double flowered begonias for pot crops or shady areas. Big blooms, medium vigor, and good branching add up to a stunning crop. Be sure to give these some shade. Height 8-12". Propagation prohibited on all varieties.

**Blitz** - yellow

**Borias** - bicolor pink

**NEW Britt Dark** - eye-catching dark and light orange double flowers. Provide some shade.

**Carneval** - fiery orange-yellow bicolor

**"Special collection"** - Extremely showy outdoor begonias, suitable for full sun, with prolific medium to large blooms. Compact, mounded habit make these ideal for pots, hanging baskets, mixed containers, and mass planting. Showstopping flower power, incredible heat tolerance. Height 8-12".

**Carmen® Red** - Bright red blooms, darker leaves than Vermillion.

**Chloe Coral Pink** - Gorgeous coral-pink flowers over dark, frilly edged leaves.

**Esmay Peach** - Multi-coloured blooms reminiscent of the inside of a ripe peach! Very dark green leaves. Full sun tolerant, good for the garden but color is prime in partial shade. Matches Vermillion for habit.

**Evi Bright Pink** - Single to semi-double hot pink blooms. Extremely floriferous.

**Glory Bicolor** - Bicolor pink and lemon single to semi-double flowers. Very attractive. Provide partial shade.

**NEW Rhodee Pink** - Stunning pink and rose fully double flowers.

**Vermillion Hot Pink** - Beautiful bright pink medium sized blooms with the same intense flowering as Vermillion Red!

**Vermillion Red** - The very best red we've seen! Medium bloom size.





## Begonia hiemalis

**Solenia®** - Thrives in high light and humidity in all but the hottest climates. Outstanding flower displays in both sun and shade. Need long days to bloom; will flower all summer. Height up to 12". Spread 18". Propagation prohibited.

### Apricot

**Chocolate Orange** - flashing orange-scarlet with deep chocolate leaves

### Dark Pink

### Light Pink

### Red

### Red Orange

### Scarlet

### Yellow



SOLENIA APRICOT



SOLENIA CHOCOLATE ORANGE



SOLENIA DARK PINK



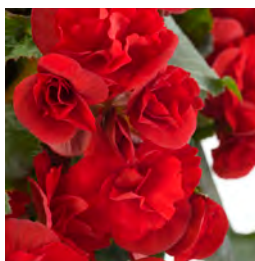
SOLENIA LIGHT PINK



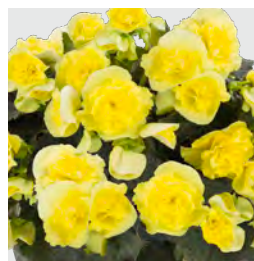
SOLENIA RED



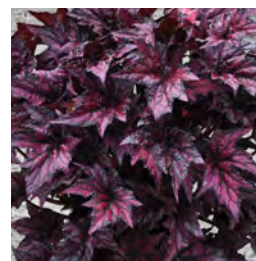
SOLENIA RED ORANGE



SOLENIA SCARLET



SOLENIA YELLOW



BEGONIA REX BEWITCHED CHERRY

## Begonia - Rex

Fantastic leaf forms and colors characterize the Rex begonia. Suitable as a house plant, they also shine as a container accent or bedding plant. Preferring full shade, they will also tolerate some indirect sun which serves to deepen the red and purple tones. Thrives in summer heat. The native environment of Rex is typically high humidity and low light, but do not over-water. Allow to dry down somewhat between watering and maintain temperatures between 60-70° F. Although a slow grower with specific requirements, Begonia Rex is a beautiful, long-lived specimen, well worth the extra effort. Virus indexed stock for clean, healthy cuttings.

**Bewitched™** - A stunning series with large, maple leaf shaped leaves in an array of colors. Similar coloring timing across all varieties. Great in 8" or larger pots or in the landscape. It is best to provide shade in the afternoon. Propagation prohibited. Height 12-18".

**Cherry** - shiny cherry red with black veining

**Night Owl** - silver/green with deep green veining and beautiful rose centers

**White** - light green leaves with frosty white overlay, and bronze-red underside

**Curly Peppermint** - A compact variety with a unique "escargot" like leaf, that adds beautiful color, texture and shape to your program. Swirling bands of rose over silver leaves, outlined with rose. Provide shade. Propagation prohibited. Height 6-12".

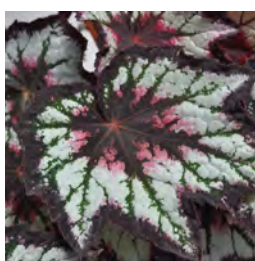
**Dibs** - Suitable for 6" or larger pots, these impressively large plants deliver vigor and height not traditionally associated with rex begonias. Provide shade, especially in the afternoon. Propagation prohibited. Height 12-18".

**Rothko** - dark purple around the edges with deep pink centers

**Sangria** - red centers with deep red veins, surrounded by cream and green with red edging

**Shadow King®** - This outstanding series shows off a beautiful color range. Smaller leaves and a bushy habit make these perfectly suited for smaller containers, such as 4-5" pots. The Shadow Kings will color at the same time, making it easy to have a full display of all colors at once. Provide shade, especially in the afternoon. Height 8-12". Propagation prohibited.

**NEW Black Cherry** - cherry red outlined with thick black edges



REX BEWITCHED NIGHT OWL



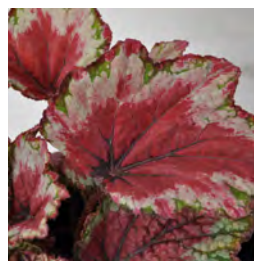
REX BEWITCHED WHITE



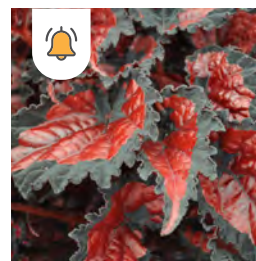
REX CURLY PEPPERMINT



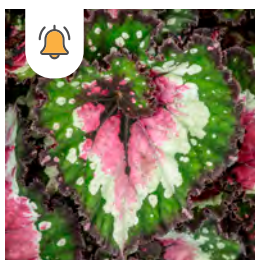
REX DIBS ROTHKO



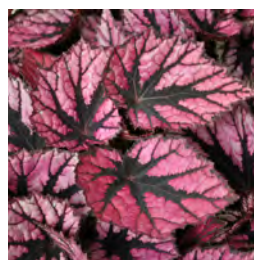
REX DIBS SANGRIA



REX SHADOW KING BLACK CHERRY



REX SHADOW KING LIME RICKY



REX SHADOW KING ROSE

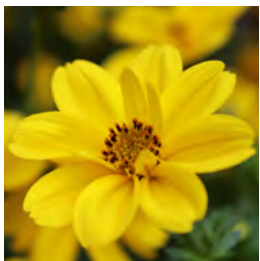


REX SHADOW KING STRAWBERRY SHERBET





★ JOLLY FARMER EXCLUSIVE!  
BIDENS BLAZING RING OF FIRE



BIDENS GIANT SUN  
FRANCISCO



BIDENS SPICY  
ELECTRIC WHITE



BIDENS YELLOW CROWN



BRACTEANTHA  
COTTAGE ROSE



BIDENS GOLDEN EMPIRE



BIDENS WHITE DELIGHT  
IMPROVED



BRACHYSCOME  
FRESCO PURPLE



BRACTEANTHA  
COTTAGE TOFFEE



BIDENS BLAZING GLORY



BIDENS BLAZING STAR



BIDENS PRETTY IN PINK



BIDENS YELLOW CHARM



BRACTEANTHA  
COTTAGE BRONZE



BRACTEANTHA  
COTTAGE YELLOW

**NEW Lime Ricky** - pink outlined with cream then speckled green, and a thin dark edging

**Rose** - pink with dark veins and edges

**Strawberry Sherbet** - striking rose centers with mint and green edging

## Bidens 🌞

A genus of plants in the aster family. Height 8-14". Propagation prohibited.

**Blazing™** - Mounding habit with flowers across the whole top. Early.

**Glory** - bicolor red and yellow

**NEW Ring of Fire** - Fire-red petals with glowing yellow center.

↑ ★ JOLLY FARMER EXCLUSIVE!

**NEW Star** - red centers outlined in yellow, resemble "stars" on a mounded semi-trailing habit

**Giant Sun Francisco** - Large vibrant yellow blooms. An early flowering, upright variety with a compact habit. Height 12-14".

**Golden Empire™** - Full, round, extra large blooms. Upright bushy habit.

**Pretty in Pink™** - Upright, bushy habit with mid-size, pink flowers. Medium vigor.

**Spicy Electric White** - This perfectly rounded plant shows off flowers that have a circle of yellow in the center with white tips. Early to bloom. Fits well in hanging baskets and combinations. Height 12-14". Spread 12-14".

**NEW White Delight™ Improved** - White with yellow center cones. Its well-branched, mounded, semi-trailing habit makes this plant a great stand-alone in hanging baskets, landscapes or in mixed combos. Height 14". Spread 14".

**Yellow Charm™** - Compact with no need for pgr's.

**Yellow Crown™** - Semi-double, large flowers, and medium growth.

## Brachyscome 🌞 ☁️

Fine, lacy foliage with delicate flowers. Excellent for basket sales, bearing their daisy-like blooms throughout the spring and summer. Full sun in the North; shade in the South. Higher temperatures reduce flowering. Mounding habit.

**Fresco™ Purple** - Large single purple blooms with a yellow center. Continuous flowering atop a compact and mounded habit. This plant will bloom from spring to fall. Great for landscape or containers. Height 6-12". Spread 12". Propagation prohibited.

## Bracteantha 🌞 ☁️

"Helichrysum - Strawflower"

Bright, showy "everlasting" flowers bloom all summer. Heat and drought tolerant, thriving in full sun conditions, even in the South.

**Cottage** - An old-fashioned, cottage garden type of flower. Lovely addition to mixed plantings and cutting gardens. Also works as a flowering pot crop in 4" or larger. Height 8-12". Propagation prohibited.

**Bronze**

**Rose**

**NEW Toffee**

**Yellow**





**Granvia** - Impressive, huge 3-5" blooms feel like crispy paper. Mildew resistant. These vigorous plants are best grown in gallons or larger. Perfect for containers, large patio pots, gardens and landscapes. Not recommended for smaller pots. These guys are heavy drinkers! Height 18-30". Spread 18-24".

**NEW Crimson Sun**

**Gold** - yellow flowers with centers that turn orange with maturity

**Pink** - bubblegum pink. Smaller flowers and vigor.

## Calendula

**Cheers™** - Cheerful, daisy-like plants with a tremendous color show, even in summer. Works well as a stand alone and mixes really well with others. High resistance to powdery mildew. Try in hanging baskets, window boxes or containers. Height 12-14". Propagation prohibited.

**Tangerine** - vivid orange

**Yellow**

## Calibrachoa

Cascades of petunia-type flowers cover this low trailing plant. Mounded habit trails well in pots, hanging baskets, planters and combinations. Vigorous grower. Blooms all summer. Once established, feed well. Propagation prohibited on all.

**Bloomtastic** - Extra-large flowers in vibrant colors on very vigorous plants. Their cascading habit is well suited to hanging baskets or in the landscape. Notable heat tolerance. Self cleaning. Height 14-16". Spread 16-18".

**NEW Chili Pepper**

**NEW Peach Grenadine**

**NEW Rose Quartz**

**NEW Tiki Pink**

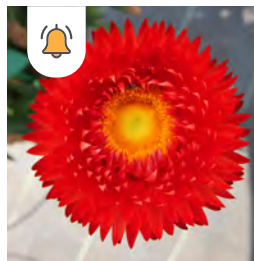
**Calibasket™** - A perfect series for basket production exhibiting more vigor than Celebration, but more controlled habit than Celebration. Very evenly matched series. Height 12-14". Spread 12-20".

**Glamorous** - previously Glamorous Pink Joy

**Midnight** - blue flowers with deeper blue ring

**Sunny Side** - white with yellow throat

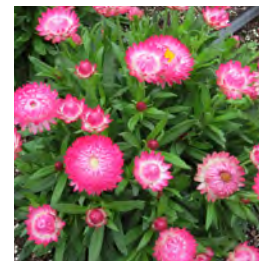
**Yellow** - bright yellow



BRACTEANTHA GRANVIA  
CRIMSON SUN



BRACTEANTHA  
GRANVIA GOLD



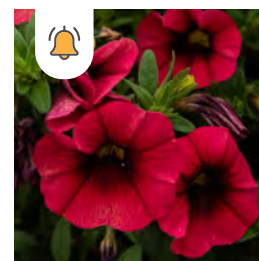
BRACTEANTHA  
GRANVIA PINK



CALENDULA CHEERS  
TANGERINE



CALENDULA CHEERS YELLOW



CALIBRACHOA BLOOMTASTIC  
CHILI PEPPER



BLOOMTASTIC PEACH  
GRENADINE



BLOOMTASTIC TIKI PINK



CALIBASKET GLAMOROUS



CALIBASKET MIDNIGHT



CALIBASKET SUNNY SIDE



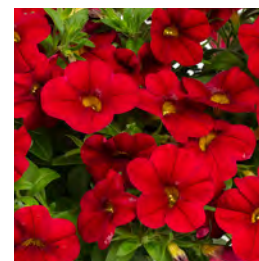
CALIBASKET YELLOW



CALITASTIC BALLERINA



CALITASTIC BORDEAUX STAR



CALITASTIC BRIGHT RED



CALITASTIC BUTTER



CALITASTIC CAPPUCCINO



CALITASTIC ICE BLUE







CALITASTIC MANGO



CALITASTIC MERRY CHERRY



CALITASTIC NOBLE BLUE



CALITASTIC PAPAYA



CALITASTIC PUMPKIN SPICE



★ JOLLY FARMER EXCLUSIVE!  
CALITASTIC SUNSPOT



CALITASTIC RASPBERRY



CALITASTIC TRICOLOR PINK



CALITASTIC VIOLECEOUS



CALITASTIC WHITE



CANDY SHOP BAG OF TRIX



CANDY SHOP CANDY BOUQUET



CANDY SHOP FANCY BERRY



CANDY SHOP GRAPE SPLASH



CANDY SHOP SWEET DREAMS

**Calitastic®** - A compact, incredibly uniform series from the breeders of Celebration. Very early flowering, all will bloom at 11 hours critical daylength. Perfect for 4", 6" pots or compact hangers. Height 6-12". Spread 8-12".

**Ballerina**

**Bordeaux Star**

**Bright Red**

**Butter** - yellow

**Cappuccino** - white with shades of red and orange and a distinct yellow star pattern

**NEW Caramel**

**Ice Blue**

**Mango**

**Merry Cherry** - red with yellow brushstrokes and star pattern

**Noble Blue**

**Papaya** - deep orange with dark red ring

**Pumpkin Spice**

**Raspberry** - rose with dark maroon veins

**NEW Sunspot** - Drive by color! Bright golden yellow outlines a red/orange center.

↑ ★ JOLLY FARMER EXCLUSIVE!

**Tricolor Pink** - deep pink outlined with blush/white edging and a yellow star pattern and throat. Smaller flowers but lots of them!

**Violaceous** - blue violet with a yellow throat

**White**

**Candy Shop™** - A series of brushwork pattern flowers with fluorescent colors and irregular stars. Early flowering, semi-trailing, medium to strong vigor. Very nice in mixed containers and hanging baskets. Height 9-14". Spread 12".

**Bag of Trix** - plants freely revert back and forth between magenta and violet bicolor. Sometimes both patterns are on the same flower! Environmental factors affect results.

**Candy Bouquet®** - cherry red with an irregular yellow star

**NEW Fancy Berry**

**Grape Splash** - lilac with white splashes

**Sweet Dreams** - fuchsia with irregular white star and white splotches, yellow throat





**Chameleon®** - A special series with flowers that continually change throughout the season, responding to light levels, day-length, and other environmental factors. Mounding, semi-trailing series with outstanding garden performance and season-long durability. Height 9-12". Spread 12-16".

**Atomic Orange** - shades of orange, melon and yellow

**Blackberry Pie** - violet flowers streaked with intense shafts of purple, yellow and white

**Blueberry Scone** - shades of blue, purple and yellow

**Frozen Ice** - shades of purple-blue and white

**Pink Diamond** - shades of pink and white.

**Sunshine Berry** - shades of hot pink, orange and yellow

**Tart Deco** - shades of iridescent orange-peach and yellow

**Colibri™** - From the breeders of Noa, Colibri is a compact series with large, early flowers on mounded plants. Ideal for pots, compact baskets, and mixed containers. Height 6-8". Spread 14".

**NEW Abstract Guava**

**Bling Exotic Red** - beautiful dark red with vibrant yellow star

**Bling Pink** - dark pink with bright yellow stripes

**Bling Purple** - purple with yellow star

**Cherry Lace** - bicolor cherry and white flowers with a lacy pattern

**NEW Dark Lavender**

**NEW Pink Flamingo**

**NEW Pink Lace**

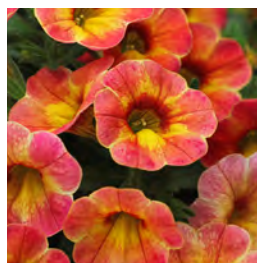
**NEW Pure White**

**NEW Purple Spark**

**NEW Tangerine**

**NEW Yellow Canary**

**Dracula** - A class of its own! Early blooming allows Dracula to fill early Spring sales, yet will also hold for Autumn markets. The deep rose blooms with large black centers cover the plant's mounding habit. Easily fills pots and hanging baskets. Height 18". Spread 10-12".



CHAMELEON ATOMIC ORANGE



CHAMELEON BLACKBERRY PIE



CHAMELEON BLUEBERRY SCONE



CHAMELEON FROZEN ICE



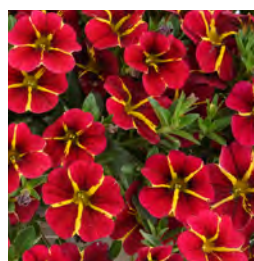
CHAMELEON PINK DIAMOND



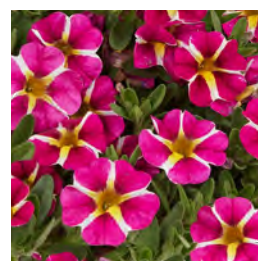
CHAMELEON SUNSHINE BERRY



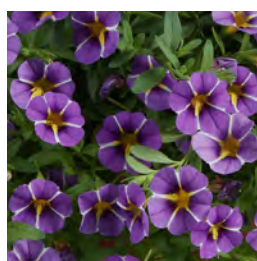
CHAMELEON TART DECO



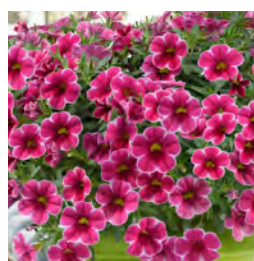
COLIBRI BLING EXOTIC RED



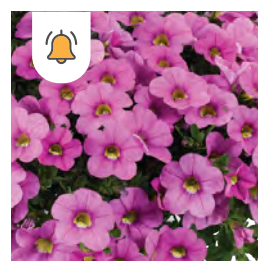
COLIBRI BLING PINK



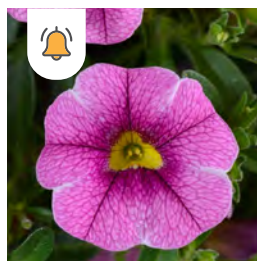
COLIBRI BLING PURPLE



COLIBRI CHERRY LACE



COLIBRI PINK FLAMINGO



COLIBRI PINK LACE



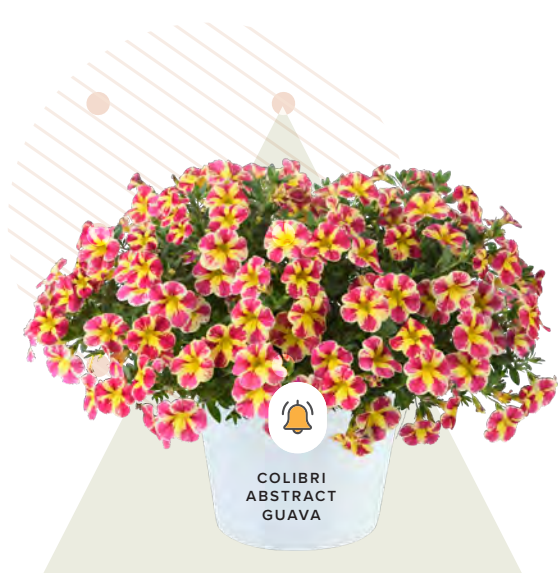
COLIBRI PURPLE SPARK



COLIBRI PURE WHITE



COLIBRI TANGERINE







COLIBRI YELLOW CANARY



DRACULA



EYECONIC APRICOT



EYECONIC CHERRY BLOSSOM



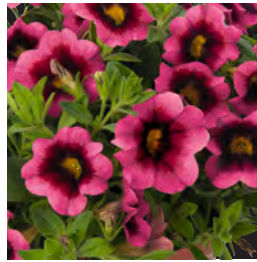
EYECONIC PINK



EYECONIC PURPLE



EYECONIC STRAWBERRY



HULA HOT PINK



HULA ORANGE



ILLUSION



LIA BUBBLEGUM



LIA DARK RED



LIA GLAZE



LIA MELON



LIA PINK SPARK



LIA VIOLET



LIA YELLOW IMPROVED

**Eyeconic™** - An outstanding plant with an aggressive growing habit making it ideal for large containers or baskets. Large flowers with a semi-trailing habit, very showy. Will flower under 10-hour day-length.

**Apricot** - light apricot shading with deep red-dish/orange centers and small yellow eye

**Cherry Blossom** - soft pink shading with cherry centers and a small yellow eye

**NEW Pink**

**Purple** - light blue rims and dark blue centers

**NEW Strawberry**

**Hula** - Large, dark-eyed flowers on medium vigor plants work well in stand-alone baskets or combos. All colors are day length neutral. Height 6-12". Spread 12-15".

**Hot Pink**

**Orange**

**Illusion** - This truly unique variety shows off an "Illusion" of color from early spring to late fall. Boasts a unique new color pattern that shows multiple rings of color, each one more intense than the previous. The edges are a soft pink, transitioning to darker rings of pink and purple towards the center. Ideal for small pots, window boxes, hanging baskets and planters. Height 18". Spread 18-24".

**Lia™** - A new generation of breeding from Danziger, this series is a great choice for compact hanging baskets. This semi-trailing calibrachoa has large flowers that will bloom under short days. Great garden performance and flower power with tight internodes. Great in containers or combos. Height 6-12". Spread 12-15".

**Bubblegum** - pink

**Dark Red** - clear dark red

**Glaze** - white

**Melon** - orange/apricot shades

**NEW Pink Spark**

**NEW Violet**

**NEW Yellow Improved**



CALIBRACHOA COLIBRI  
DARK LAVENDER





**Noa®**. Especially suited for early spring flowering as they will bloom well even in 10 hour days. Flowers open earlier in the morning. Trailing habit. Uniform, compact growth. Height 6-12". Spread 12-15".

**Blue Legend** - blue, early flowering, vigorous, trailing

**Dark Pink Carnival** - rich pink with bright white eye makes the large blooms really "jump", early flowering, semi-trailing, compact

**Snow** - earlier than Noa White, timing well with the other colors, large blooms, compact habit

**Ultra Purple** - vivid, dark purple, early flowering, medium vigor

**Yellow** - striking, deep yellow flowers. Semi-trailing. Medium habit.

**Ombre™** - A series that shows a range of colors on each plant. Masses of large flowers will bloom in 10 hour days. Its well branched, semi-trailing habit is good for pots, combinations, hanging baskets and groundcovers. Height 12-14". Spread 12-16".

**Pink** - shades of pink and yellow

**Sunrise** - shades of orange, peach and yellow

**Skywalker™** - Especially suited for early spring flowering as they will bloom well even in 10 hour days. Flowers open earlier in the morning. Trailing habit. Uniform, compact growth. Height 9-12". Spread 12-16".

**TikTok®** - Features beautiful two-toned flowers that have a distinct star resembling a clock's hands! The well branched plants are semi-trailing and do well in quarts, hanging baskets and combination planters. Height 6-12". Spread 12-24".

**NEW Blue 2023**

**Orange**

**Rose 2024**



NOA BLUE LEGEND



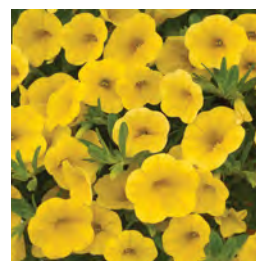
NOA DARK PINK CARNIVAL



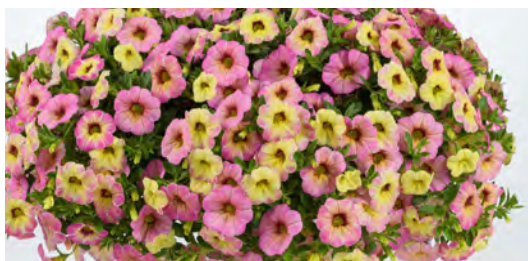
NOA ULTRA PURPLE



NOA SNOW



NOA YELLOW



OMBRE PINK



OMBRE SUNRISE



SKYWALKER



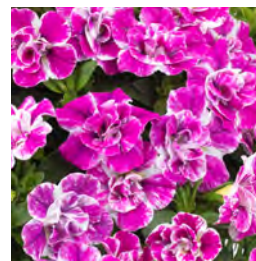
TIKTOK ROSE 2024



TIKTOK BLUE 2023



TIKTOK ORANGE



CANDY SHOP DOUBLE BUBBLE GUM

## GROWING TIPS

# CALIBRACHOA

Calibrachoa are heavy feeders needing constant liquid feed. Maintain a low pH - 5.2-5.8. Cool temperatures improve quality, but extend crop time.

Trim after transplanting to promote branching.

We also use PGR's. See Cultural Guide. Moisture management is essential. Crop should dry down to the feel of "damp laundry" prior to another watering. Promotes healthy roots.

Be alert for powdery mildew issues.

## Calibrachoa Double

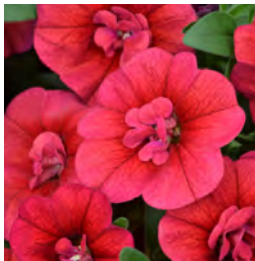
★ AVAILABLE IN CANADA ONLY

**Candy Shop™ Double Bubble Gum** - A double flowered calibrachoa with a semi-trailing habit. Early





CELEBRATION DOUBLE BLUE



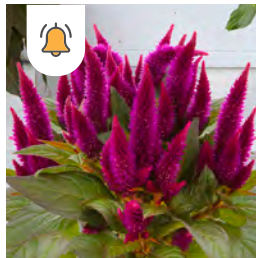
CELEBRATION DOUBLE DARK RED



CELEBRATION DOUBLE YELLOW



CHAMELEON DOUBLE PINK YELLOW



CELOSIA KELOS ATOMIC PURPLE



CELOSIA KELOS FIRE ORANGE, LIME, RED, SCARLET, MAGENTA, YELLOW, & KELOS ATOMIC PURPLE



CLEOME CLIO MAGENTA



COLEUS ALABAMA



CARNIVAL



DEFIANCE

flowering. Beautiful in hanging baskets and mixed containers. Height 9-14". Spread up to 12".

**Celebration® Double** - Double flowers that will continue blooming from early spring through fall. Flowers will stay open under low light and cooler temperatures. Use in hanging baskets, patio pots and containers. Height 6-12". Spread 8-12".

**Blue**

**Dark Red**

**Yellow**

**Chameleon® Double Pink Yellow** - Double flowers in pink and yellow, everchanging shades. Very vigorous with outstanding garden performance and season-long durability. Height 9-12". Spread 12-16".

## Celosia

**NEW Kelos® Atomic Purple** - (Celosia spicata) Dark purple plumes with green leaves. Propagation prohibited.

**Kelos® Fire** - (Celosia plumosa) A breeding breakthrough with day length neutral celosia. Simply shines in the full sun landscape with brilliant plumes; very heat tolerant, lots of side blooms, providing season-long color. Versatile plant can be enjoyed indoors or out. Height 15-18". Propagation prohibited.

**Lime** - lime plumes, green leaves

**Magenta** - magenta plumes, dark leaves

**Orange** - orange plumes, green leaves

**Red** - red plumes, green leaves

**Scarlet** - scarlet red plumes, dark leaves

**Yellow** - yellow plumes, green leaves

## Cleome

**Clio™ Magenta** - Cleome from vegetative production is sterile (producing no seeds) which is a great plus with gardeners who wish to keep their cleome contained. Clio displays excellent branching and a large, upright structure. Pink-purple flowers are early and continuous, making Clio a great combination plant as well as a landscape staple with excellent garden performance. Suitable for pots from 5" on up. Height 15-20". Propagation prohibited.

## Coleus

These vegetative coleus are amazingly hardy, tolerating full sun even under sub-tropical conditions. Plants are more resistant to stem rot and are vigorous and tall in the landscape. Pruning will extend performance. Keep temperatures above 60°F or growth will stall. Good for 4-10" pots, although heights will vary. Please note that the use of PGR's changes not only plant size, but also leaf color in Coleus! NOTE: Be sure to give coleus preventative treatment for downy mildew.

**Alabama** - Rusty splotches over lime. Height 18-24".

**Carnival** - Hot pink with burgundy markings. Height 15-20". Spread 15-20".

**Defiance** - Red with light green edge; mounded habit. Height 24-30".



**DownTown** - This series features mounding/ spreading plants with textured, bicolor foliage. Very strong branching makes them great for 4-6" pots and larger containers. Perfect for small spaces but will also grow larger in the landscape. Provide some shade. Height 8-10". Spread 8-10". Propagation prohibited.

**NEW Greenville**

**NEW NYC Nights**

**NEW Santa Monica**

**Great Falls Niagara** - Great Falls features a spreading habit, particularly nice in hanging baskets and combos. Burgundy-red with green edge. Height 4-6" with spread of 12". Propagation prohibited.

**Kingswood Torch** - An outstanding selection. Red with fuchsia-pink markings and slim, lime edge. Height up to 3'.

**Le Freak** - In a class of its own! Le Freak has long, lacy foliage that is rusty red in color with lime green edges. Great branching. This versatile plant will tolerate sun or shade, making it great for mass bedding plants or for shade gardens. Can also be used in mixed containers, pots or as an indoor plant. Height 24". Propagation prohibited.

**Main Street** - Main Street series is fully sun tolerant even in hot states like Florida and Texas. Vigorous, upright habit, with exceptional branching, excellent for landscape and containers. Very late to bloom. Height 24". Spread 24". Propagation prohibited.

**Abbey Road** - very dark, almost black leaves edged in green, red center vein

**Alligator Alley** - dark burgundy leaves with wide, light green edges and rose central veining

**Beale Street** - AAS Winner. Dark red.

**Broad Street** - burgundy red edged in green

**Chartres Street** - solid lemon-lime

**Fifth Avenue 2024** - dark purple/almost black with rose centers and thin green edging.

**La Rambla** - green with burgundy veins, rose center rib, and touch of cream at the base.



DOWNTOWN GREENVILLE



DOWNTOWN NYC NIGHTS



GREAT FALLS NIAGARA



KINGSWOOD TORCH



LE FREAK



MAIN STREET ABBEY ROAD



MAIN STREET ALLIGATOR ALLEY



MAIN STREET BEALE STREET



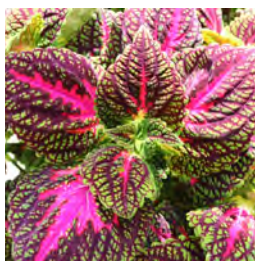
MAIN STREET BROAD STREET



MAIN STREET CHARTRES STREET



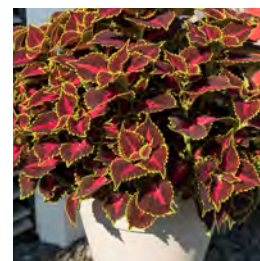
MAIN STREET FIFTH AVENUE 2024



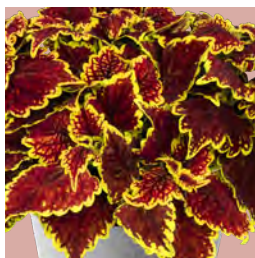
MAIN STREET LA RAMBLA



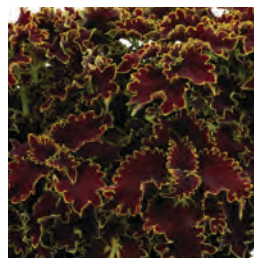
MAIN STREET MICHIGAN AVE



MAIN STREET OCEAN DRIVE



MAIN STREET OXFORD STREET



MAIN STREET PORTAGE AVENUE



MAIN STREET RIVER WALK







MAIN STREET RODEO DRIVE



MAIN STREET RUBY ROAD



MAIN STREET SUNSET BOULEVARD



MAIN STREET VENICE BOULEVARD



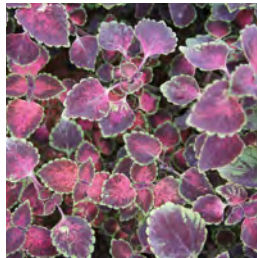
MAIN STREET WALL STREET



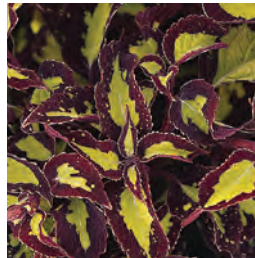
MONKEY PUZZLE



RED RUFFLES



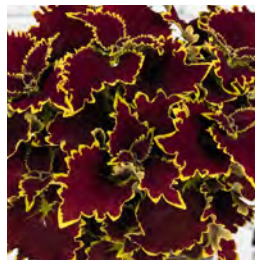
ROSE TRAILING



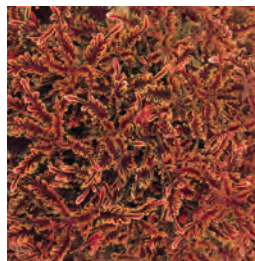
SATURN



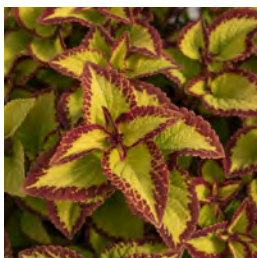
STAINED GLASSWORKS ROYALTY



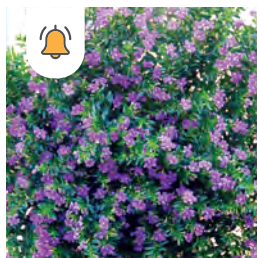
STAINED GLASSWORKS CROWN JEWEL 2024



STAINED GLASSWORKS KIWIFERN



STAINED GLASSWORKS VELVET



CUPHEA HYSSOPIFOLIA LAVENDER 2024



CUPHEA HUMMINGBIRDS LUNCH

**Michigan Avenue** - burgundy with green edge and speckles

**Ocean Drive** - burgundy leaf with wide rose vein, edged in green

**Oxford Street** - bright red with chartreuse edge

**Portage Avenue** - deeply scalloped leaves are dark burgundy with golden yellow edging and lime green stems

**River Walk** - electric green and lime

**Rodeo Drive** - duckfoot shape, bright green with purple edging

**Ruby Road** - tri-color ruby, burgundy, green

**Sunset Boulevard** - peachy rose with green accents

**Venice Boulevard** - dark burgundy webbing over chartreuse green

**Wall Street** - brilliant copper

**Monkey Puzzle** - A unique self branching variety with a mounding habit. Features peach and purple thread-like foliage that adds great texture and color to your mixed containers, hanging baskets, or mass plantings in shade gardens. Height 12-14". Spread 20".

**Red Ruffles** - Bright red-rose leaves with dark burgundy-black stripes. Height 18-24". Propagation prohibited.

**Rose Trailing** - Heart-shape, burgundy leaves with green edge. Bright pink central vein is more prominent in full sun. Plants trail 18". Propagation prohibited.

**Saturn** - Lime-green leaves edged in burgundy. Height 18-24". Propagation prohibited.

**Stained Glassworks™** - Works well in mixed containers, a border plant or an accent plant. Best for shade gardens, not full sun. Propagation prohibited.

**NEW Royalty** - stunning brilliant rose with deep maroon/black edging on serrated leaves. Height 14-20". Spread 14-20".

**Crown Jewel 2024** - rich red with chartreuse margins. Height 8-14".

**Kiwi Fern** - burgundy/peach. Deeply serrated leaves with a mounded habit. Height 20-24".

**Velvet** - lime green with burgundy margins. Height 14-28".

## Cuphea 🌻

**NEW hyssopifolia Lavender 2024** - Lovely accent plant with more flower power than the older variety. Use in planters, color bowls and pots. Good for 4" pots or small baskets. Used extensively in Southern landscapes. Low dense foliage is green with small lavender flowers. Propagation prohibited.

**igneus Hummingbirds Lunch** - "Firecracker, Cigar Plant" Long tubular cherry red flowers with a compact habit and dark green rounded foliage. Continuous blooming early spring through fall. Will tolerate full sun. Great in landscapes, borders or containers. Hummingbirds and butterflies love them! Hardy to zone 8. Height 12-24". Spread 24-36". Propagation prohibited.



## Dahlia

**Electro™ Pink** - Vivid pink 4" blooms sit on mahogany black foliage. Pairs well with the Mystic series. The cactus-like flowers face outward and will "wow" anyone that sees them! Great in borders, containers or landscapes. Can be used as a cut flower. Height 24-31". Spread 18-24". Propagation prohibited.

**Hypnotica®** - Large flowers, vigorous, uniform habit and good branching are all characteristics of this line. Heat tolerant and excellent for 6" or larger pot production. Height 18-24" Propagation prohibited.

**Bronze** - early flowering, strong vigor

**Electric Pink** - early, medium, vigorous

**Icarus** - irregular, flaming red-orange shades

**Lavender** - violet, medium, vigorous

**Lemon Swirl** - white with highlighter yellow

**Orange** - early to medium flowering, medium to strong vigor

**Pink Bicolor** - deep pink matures to pink with white frost, strong vigor

**Red** - medium, vigorous

**Rose Bicolor** - pink & yellow bicolor, medium, vigorous

**NEW Tequila Sunrise** - early flowering, medium vigor

**Tropical Breeze** - pink & white bicolor, medium, vigorous

**Yellow 2022** - formerly "Yellow". Has the same attributes but with improved foliage, no yellowing appears at the end of the crop. Early to medium flowering, medium to strong vigor.

**NEW LaBella® Gigante Fun Pink** - The largest Labella dahlia offered. Huge bicolor pink and white flowers sit on sturdy stems. Its vigorous habit puts on a magnificent display in large pots, your garden or patio and landscapes. Plant in 10" pots or larger. Height 22-28".

*Note: 'Fun' varieties are the unique and striking bicolors within all LaBella® series.*

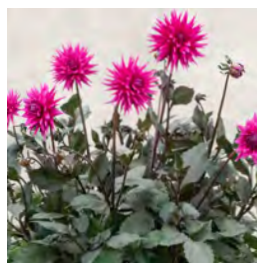
**LaBella® Grande Fun** - A uniform, fast growing series with large flowers on strong stems. Their compact habit is perfect for beds, borders or containers. Plant in 6-7" pots or larger. Height 12". Spread 12". Propagation prohibited.

**NEW Caramel**

**NEW Red White**



DAHLIA HYPNOTICA  
TEQUILA SUNRISE



DAHLIA ELECTRO PINK



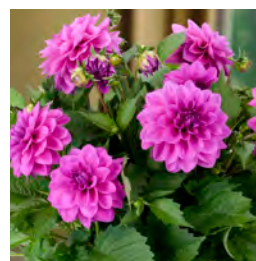
HYPNOTICA BRONZE



HYPNOTICA ELECTRIC PINK



HYPNOTICA ICARUS



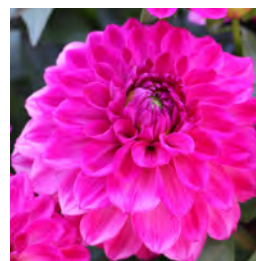
HYPNOTICA LAVENDER



HYPNOTICA LEMON SWIRL



HYPNOTICA ORANGE



HYPNOTICA PINK BICOLOR



HYPNOTICA RED



HYPNOTICA ROSE BICOLOR



HYPNOTICA TROPICAL  
BREEZE



HYPNOTICA YELLOW 2022



LABELLA GIGANTE FUN PINK



LABELLA GRANDE  
FUN RED WHITE



LABELLA GRANDE FUN CARAMEL



LABELLA MAGGIORE FUN  
CHOCOLATE YELLOW





LABELLA MAGGIORE  
FUN FLAME



LABELLA MAGGIORE  
FUN ROSE BICOLOR



LABELLA MAGGIORE  
PINK YELLOW



LABELLA MAGGIORE PURPLE



LABELLA MAGGIORE RED RUFFLE



LABELLA MEDIO FUN FLAME



LABELLA MEDIO FUN  
GOLDEN EYE



LABELLA MEDIO FUN  
ORANGE FLAME



LABELLA MEDIO FUN  
PINK FLAME



LABELLA MEDIO FUN  
PINK WITH EYE



LABELLA MEDIO FUN  
PINK BLUSH



LABELLA MEDIO FUN  
ROSE FUN



LABELLA MEDIO FUN  
YELLOW BLUSH



LABELLA MEDIO ORANGE



LABELLA MEDIO RED



LABELLA  
MEDIO YELLOW

**LaBella® Maggiore** - The biggest of the Labellas, the Maggiore series produces intense colors and giant blooms measuring 4½-6½" across. The flowers are supported by sturdy stems, making them a perfect choice for cut flowers in the summer. Best suited for 8-10" pots or larger. Terrific patio or garden performance. Height 18-28". Spread 12-15". Propagation prohibited.

**Fun Chocolate Yellow** - bright lemon-yellow flowers with dark foliage

**Fun Flame** - yellow centers with scarlet/red tips

**Fun Rose Bicolor** - white centers, rose tips

**NEW Pink Yellow** - limited supply

**Purple** - purple

**NEW Red Ruffle**

**LaBella® Medio** - Large double flowers on compact plants. Best suited for 4-6" pot production. These easy-care showstoppers are great in containers, beds and borders. Flower size 3-4". Height 8-10". Propagation prohibited.

**NEW Fun Flame**

**Fun Golden Eye** - yellow with dark orange center

**Fun Orange Flame** - orange/red

**Fun Pink Flame** - bicolor pink and white

**Fun Pink w Eye** - pink with dark center

**Fun Pink Blush** - dark pink tipped with light pink

**NEW Fun Raspberry**

**Fun Rose Fun** - deep rose with brushed white petals surrounding the yellow crown

**Fun Yellow Blush** - white and yellow

**NEW Orange**

**NEW Red**

**Yellow**







**MegaBoom** - Massive flowers grow on shorter peduncles that sit just above the foliage. A good choice for 6" or larger pots, combination planters, border plants or large patio containers. Comparable to XXL's but more compact, with the same timing and flower size. Height 16". Spread 12-14". Propagation prohibited.

**Orange Crush** - bright orange with yellow undertones

**Passion Fruit** - coral pink/yellow

**NEW Raspberry Ice**



MEGABOOM ORANGE CRUSH



MEGABOOM RASPBERRY ICE

## Diascia

Graceful plants display elegant, open flowers, similar to the open snapdragon varieties. Masses of brightly colored blooms make these plants useful for many applications...baskets, pots, combination planters, and window boxes. Flowers all summer. Can be grown cool once roots are established. Heat tolerant.

**Trinity™** - An interspecific Diascia that's an early season bloomer. The flowers sit on a tidy, bushy habit and will bloom all season long. They are exceptionally tolerant to sun and rain. Use in containers, rock gardens or as border plants. Height 10-16". Propagation prohibited.

**NEW Grace**

**Sunset** - red/orange



DIASCIA TRINITY GRACE



MEGABOOM PASSION FRUIT



DIASCIA TRINITY SUNSET

## Double Impatiens

Delightful, fully-double flowers that look like little rosebuds, these vigorous plants make beautiful hanging baskets and fill out tubs and large containers well.

**Musica™** - The Musica series features small flowers with short flower stems creating a greater color impact since the flowers are held more upright than other varieties. Early with medium growth habit. Good for hanging baskets and pots. Propagation prohibited. Height 10". Spread 8-12".

**Bicolor Dark Red** - bright red & white, a little more vigorous than other Musicas

**Bicolor Pink** - pink and white swirl

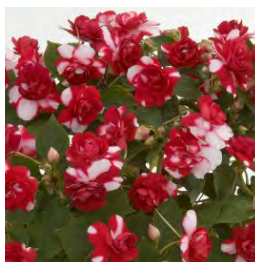
**Electric Purple** - solid, bright purple

**Elegant Red** - solid red

**Lavender** - solid lavender. New breeding!

**Pink Aroma** - rich pink

**Pure White** - pure white



DOUBLE IMPATIENS MUSICA BICOLOR DARK RED



MUSICA BICOLOR PINK



MUSICA ELECTRIC PURPLE



MUSICA ELEGANT RED



MUSICA LAVENDER



MUSICA PINK AROMA

## Euphorbia

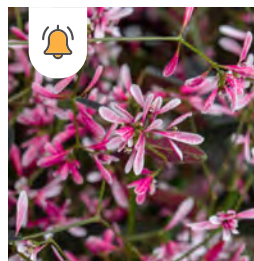
**Starblast™** - Upright, vigorous plants are surrounded with a cloud of flowers all season long. Easy and versatile, they provide texture and color in pots, mixed containers and mass plantings. Amazing heat tolerance. Height 12". Spread 12". Propagation prohibited.

**NEW Pink**

**Snowdrift** - double, white blooms



MUSICA PURE WHITE



EUPHORBIA STARBLAST PINK



EUPHORBIA STARBLAST SNOWDRIFT





EVOLVULUS BEACH  
BUM BLUE



EVOLVULUS HAWAIIAN  
BLUE EYES



BELLA TRAILING HILDA



BELLA TRAILING LYDIA



BELLA TRAILING MARIA



BELLA TRAILING NORA



BELLA UPRIGHT EVITA



BELLA UPRIGHT MARISKA



BELLA UPRIGHT NIKITA



BELLA UPRIGHT SOILA



BELLAROSELLA



BICENTENNIAL



BLAZE AWAY



BLUE ANGEL



BLUE MIRAGE



DARK EYES



DOLLAR PRINCESS



EL CAMINO

## Evolvulus

**Beach Bum Blue** - Light blue flowers sit on textured gray-green foliage, creating a prolific flower canopy. Has excellent branching and is heat and drought tolerant. The compact yet spreading habit does well in quarts, mixed containers, borders and is outstanding in landscapes. Height 6". Spread 12".

**Hawaiian Blue Eyes** - bright blue flowers on trailing green-gray foliage. Trailing plants suitable for baskets and mixed containers. Height 12-14". Spread 18-20".

## Fuchsia

Beautiful and elegant fuchsias have earned their place as one of the most popular Mother's Day plants. Height range 6-24". Spread range 12-36".

**Bella™** - This series features new breeding that is less daylength sensitive. Trailing varieties are "semi-trailing" and are good for containers and hanging baskets. Upright varieties are upright bush types best suited for smaller pot programs: 4-6" up to 1 quart. Both trailing and upright varieties are extremely well branched, are day length neutral, and require minimal PGR's. They can be produced without a pinch. Height 16". Spread 18". Propagation prohibited.

**Trailing Hilda** - Inner petals: white with pink veining. Outer petals: salmon pink.

**Trailing Lydia** - Inner petals: pink. Outer petals: red.

**Trailing Maria** - Inner petals: violet. Outer petals: red.

**Trailing Nora** - Inner petals: deep purple. Outer petals: white.

**Upright Evita** - Inner petals: white. Outer petals: red.

**Upright Mariska** - Inner petals: mauve purple. Outer petals: pale pink.

**Upright Nikita** - Inner petals: soft lavender. Outer petals: bicolor pink.

**Upright Soila** - Inner petals: deep purple. Outer petals: reddish pink.

**BellaRosella** - Inner petals: purple. Outer petals: light pink. Giant double flowers; semi-trailing. Propagation prohibited.

**Bicentennial** - Inner petals: red/orange. Outer petals: coral/apricot. Large double flowers. Compact, trailing habit. Propagation prohibited.

**Blaze Away** - Inner petals: red-orange. Outer petals: red-orange. Fully double blooms. Trailing habit. Propagation prohibited.

**Blue Angel** - Inner petals: blue-purple. Outer petals: white. Fully double flowers. Trailing habit. Propagation prohibited.

**Blue Mirage** - Inner petals: purple w/pink flecks. Outer petals: white. Large double flowers. Vigorous trailing habit. Propagation prohibited.

**Dark Eyes** - Inner petals: purple. Outer petals: red. Double flowers. Propagation prohibited.

**Dollar Princess** - Inner petals: deep purple. Outer petals: red. Small double flowers. Upright habit. Propagation prohibited.

**El Camino** - Inner petals: white. Outer petals: deep rose. Double flowers. Bushy foliage. Great for pots. Propagation prohibited.





**Flying Scotsman** - Inner petals: pink streaked with white. Outer petals: white. Large double blooms. Trailing habit. Propagation prohibited.

**Gartenmeister** - Inner petals: orange. Outer petals: orange. Very tall and upright with red and green leaves. Long single tubular blooms. Propagation prohibited.

**Maori Maid** - Inner petals: purple. Outer petals: red. Fully double flowers. Trailing habit. Propagation prohibited.

**Marinka** - Inner petals: red. Outer petals: red. Single flowers. Propagation prohibited.

**Millenium** - Inner petals: dark purple. Outer petals: pink. Large double blooms. Semi-hanging. Propagation prohibited.

**Rocket Fire** - Inner petals: ruffled purple inside pink frills. Outer petals: rose/pink. 3 toned double blooms. Vigorous trailing habit. Propagation prohibited.

**Royal Mosaic** - Inner petals: purple with marbled pink. Outer petals: pale pink. Extra large, fully double flowers. Trailing habit. Propagation prohibited.

**Southgate** - Inner petals: pink. Outer petals: pink. Double flowers. Propagation prohibited.

**Swingtime** - Inner petals: white. Outer petals: rose-red. Double flowers. Propagation prohibited.

## Geraniums - Brocade 🌞

**Vancouver Centennial** - Single red flower, burgundy leaf deeply serrated w/narrow lime margin. Petite habit. Late to bloom. Height 12". Spread 10". Propagation prohibited.

## Geraniums - Interspecific 🌞

Interspecific geraniums are a cross between ivies and zonals, but provide better performance overall.

**Calliope® Cascade Violet** - The first "cascading" interspecific geranium in the industry. Cascade Violet has large, semi-double blooms that will show intense color all summer long. This beautiful plant is semi-trailing with a vigorous spread. Perfect in premium baskets, large pots or in landscapes. Height 12-16". Spread 20-24". Propagation prohibited.



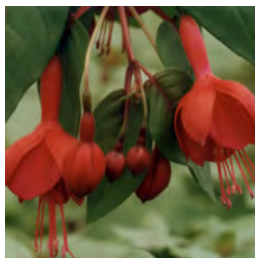
FLYING SCOTSMAN



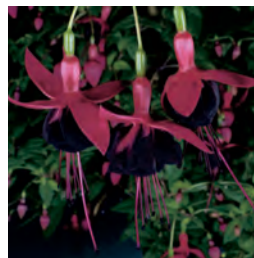
GARTENMEISTER



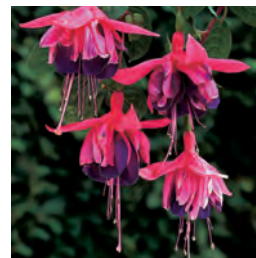
MAORI MAID



MARINKA



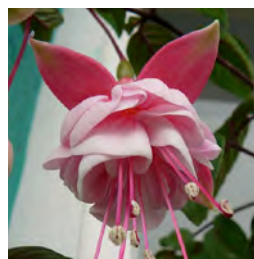
MILLENIUM



ROCKET FIRE



ROYAL MOSAIC



SOUTHGATE



SWINGTIME



GERANIUM VANCOUVER CENTENNIAL



CALLIOPE CASCADE VIOLET



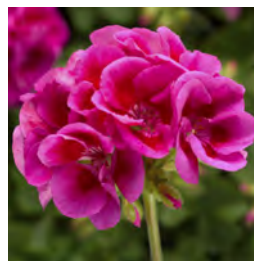
CALLIOPE LARGE BURGUNDY



CALLIOPE LARGE DARK RED



CALLIOPE LARGE HOT ROSE



CALLIOPE LARGE LAVENDER MEGA SPLASH



CALLIOPE LARGE LAVENDER



GERANIUM CALLIOPE MEDIUM HOT ROSE





CALLIOPE LARGE MAGENTA



CALLIOPE LARGE PINK



CALLIOPE LARGE RED



CALLIOPE LARGE ROSE MEGA SPLASH



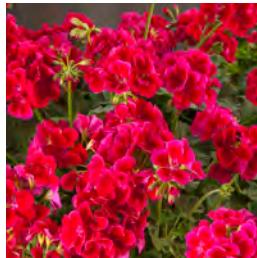
CALLIOPE LARGE SALMON



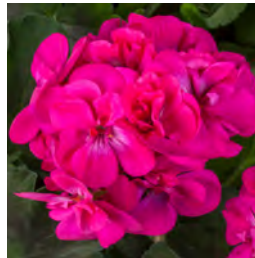
CALLIOPE LARGE WHITE



CALLIOPE MEDIUM BRIGHT ROSE



CALLIOPE MEDIUM CRIMSON FLAME



CALLIOPE MEDIUM DARK PINK DARK LEAF



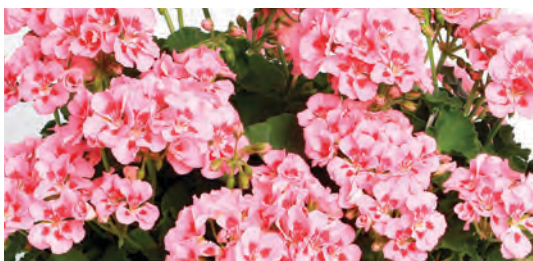
CALLIOPE MEDIUM DARK RED



CALLIOPE MEDIUM DARK RED DARK LEAF



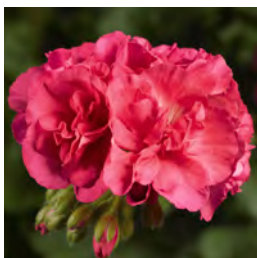
CALLIOPE MEDIUM HOT PINK



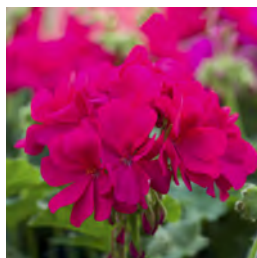
CALLIOPE MEDIUM PINK FLAME



CALLIOPE MEDIUM ROSE MEGA SPLASH



CALLIOPE MEDIUM SALMON



CALLIOPE MEDIUM VIOLET



CALLIOPE MEDIUM WHITE

**Calliope® Large** - The No. 1 interspecific geranium for color and performance. Calliope Large Geraniums have a vigorous, mounded habit and exceptional flower power, making them perfect for high-end baskets, large containers and mixed patio pots. Drought and sun tolerant. Pollinator friendly. Intense color will last all season. Height 16-20". Spread 20-24". Propagation prohibited.

**Burgundy** - vigorous

**Dark Red** - vigorous

**Hot Rose** - medium vigor

**Lavender Mega Splash** - vigorous

**Lavender** - vigorous

**Magenta** - vigorous

**Pink** - very vigorous

**Red** - vigorous

**Rose Mega Splash** - medium vigor

**Salmon** - very vigorous

**White**

**Calliope® Medium** - Choose Calliope Medium to add premium color and variety to your retail space. Comes with the same excellent attributes as the "Large" series, but is better suited to smaller containers, 1 quart - 2.5 quart programs. Your customers will not be disappointed! Height 14-18". Spread 16-20". Propagation prohibited.

**Bright Rose**

**Crimson Flame**

**Dark Pink Dark Leaf**

**Dark Red**

**Dark Red Dark Leaf**

**Hot Pink**

**NEW Hot Rose**

**Pink Flame**

**Rose Mega Splash** - compact

**Salmon**

**Violet**

**White**

**NEW White Splash**







**Moxie!**<sup>™</sup> - Beautiful flowers bloom all season long on compact mounded plants. Does not need pinching. Bred for small to medium sized containers to maximize your space with color. This series has a wide range of uses: packs, containers, hanging baskets, landscapes, patio pots or combos. Height 12-14". Spread 14-16". Propagation prohibited.

**Dark Red**

**Deep Rose Mega Splash**

**Orange**

**Pink Splash**

**Violet**

**White**

## Geranium - Ivy

Ever popular ivy-leaf geranium with trailing habit, great for baskets and window boxes. Cascades gently over the edge of container with a stunning display of color.

**Ivy League**<sup>™</sup> - Large double flowers are accented by glossy green leaves on a mounded, trailing habit. Strong branching with medium vigor. Height 12-16". Spread 20-24". Propagation prohibited.

**Arctic Red**

**Burgundy Bicolor**

**Burgundy**

**Deep Pink**

**Hot Coral**

**Red**

**White**

**Mini Cascade** - Very floriferous, single flowered. Extremely trailing.

**Pink**

**Red**

## Geranium - Regal

These wonderful, old-fashioned "Martha Washington" geraniums are making a comeback in popularity, along with improved genetics and refined culture techniques for growers. These varieties are consistently uniform in timing. They have been pre-cooled to initiate flower development. Refer to our Cultural Tips to help with timing and growing procedures. Will stop blooming if nights are above 60°F. Propagation prohibited.

**Elegance**<sup>™</sup> - Produces a plant 8-10" tall from a single-shoot liner. Single-shoot liners can be grown on in a 4½"-5½" pot.

**Burgundy** - rich burgundy wine

**Claret** - deep ruby flowers with green leaves. Habit: medium. Medium bloom time.

**Imperial** - earlier to bloom than the other varieties and has somewhat smaller blooms, but a great early-season extender. Purple with white picotee edge.

**Purple Majesty** - a majestic lavender and purple bicolor

**Red Velvet** - cherry red with deep red splash and light eye

**Rose Bicolor** - pale rose with magenta splash

**Royalty White** - white with rose markings



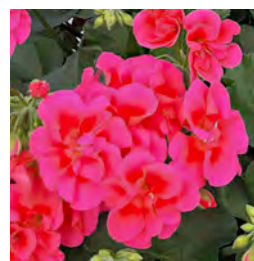
MOXIE! DARK RED



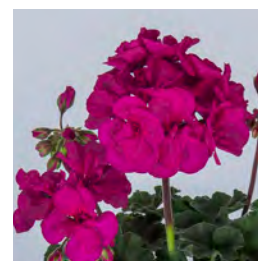
MOXIE! DEEP ROSE  
MEGA SPLASH



MOXIE! ORANGE



MOXIE! PINK SPLASH



MOXIE! VIOLET



IVY LEAGUE WHITE



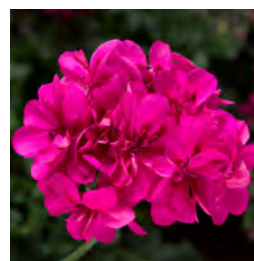
IVY LEAGUE ARCTIC RED



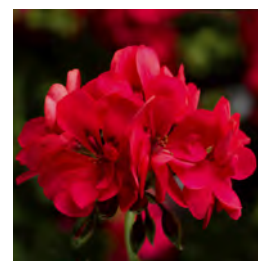
IVY LEAGUE BURGUNDY  
BICOLOR



IVY LEAGUE BURGUNDY



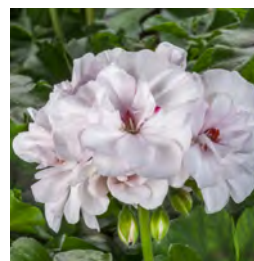
IVY LEAGUE DEEP PINK



IVY LEAGUE HOT CORAL



IVY LEAGUE RED



IVY LEAGUE WHITE



MINI CASCADE PINK



MINI CASCADE RED



ELEGANCE BURGUNDY



ELEGANCE CLARET





ELEGANCE IMPERIAL



ELEGANCE PURPLE MAJESTY



ELEGANCE RED VELVET



ELEGANCE ROSE BICOLOR



ELEGANCE ROYALTY WHITE



AROMA LADY PLYMOUTH



SCENTED LEMONA



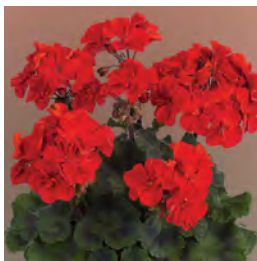
CHOCOLATE APRICOT



CHOCOLATE CHERRY



DARKO BLUE



DARKO DEEP RED



DARKO NEON PURPLE



DARKO PINK



DARKO SALMON



DARKO SPANISH WINE ROSÉ



DARKO WHITE

## Geraniums - Scented 🌞

**Aroma** - Attractive flowers with scents that are unique to each variety. Will bloom spring into early summer. Well suited in smaller pots or in the garden.

**Bunny Brunch** - orange flowers on bright green foliage. Yes, they smell like carrots! Height 16-28".

**Lady Plymouth** - small lavender-pink flowers on deeply cut gray-green leaves. Sharp rose and lemon scent. Height and spread 12-24".

**Lemona** - Ever popular scented geraniums! Lemon scent is said to repel insects and mosquitoes from area surrounding your plants. In addition, Lemona produces pretty bicolor pink flowers. Height 6-10". Propagation prohibited.

## Geranium - Zonal 🌞 ☁️

Traditional favorite and a must for your spring finished program. Our Geranium liners are grown with plenty of room to produce a top quality cutting. Propagation prohibited on all varieties.

**Chocolate®** - Named for its dark "chocolate" colored leaves. Dwarf vigor, suitable for 4" production. Height 6-10". Spread 12-18".

**Apricot**

**Cherry**

**Darko®** - Popular for their intense dark leaves, and compact habit. A good fit for pgr-free pot crops. Well structured plants with balanced look. Sports several blooms at once. Medium earliness. Height 10-12". Spread 12-14".

**Blue** - lavender-blue

**Deep Red** - dark red

**Neon Purple** - dark magenta

**Pink** - bubblegum pink

**Salmon** - intense salmon

**Spanish Wine Rosé** - deep pink with splashes of white. Special color.

**White** - white with nice dark leaves





**Flower Fairy®** - Vigorous plants are outstanding for large patio containers and landscapes. Huge flowers with beautiful bicolor petals. Garden height 12-14". Spread 14-16".

**Red Splash** - red with small white eye

**Velvet** - magenta with darker purple marking

**NEW Violet**

**White Splash** - blush-white with dark pink marking

**Glitter™** - A vigorous geranium with dark zoning and beautiful, unique blooms. Glitter will show off color all summer long and is perfect in containers, hanging baskets gardens and landscapes. Note the mosaic flower pattern is not stable – petals will range from solid pink or orange to nearly white. Height 18-24".

**Orange**

**Pink**

**Patriot** - Well-matched, full-size habit and flower. Self-branching, mounding habit. Proven heat tolerance and landscape performance. Early bloom time. Garden height 24".

**Bright Red** - true red, large flowers with medium green leaf and medium habit. Excellent heat tolerance and garden performance.

**Bright Violet** - intense violet with medium green leaf and compact habit. Excellent heat tolerance. Very good garden performance.

**Cherry Rose Imp** - bright rose with medium green leaf and compact medium habit. Very good heat tolerance and garden performance.

**Evening Glow** - salmon bicolor with medium green leaf. Early bloom time and medium habit. Good heat tolerance and very good garden performance.

**Lavender Blue** - lavender with medium green leaf and medium habit. Very good heat tolerance and garden performance.

**Red** - scarlet with dark zone leaf and medium habit. Excellent heat tolerance and garden performance.



FLOWER FAIRY RED SPLASH



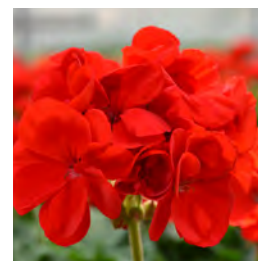
FLOWER FAIRY VELVET



GLITTER PINK



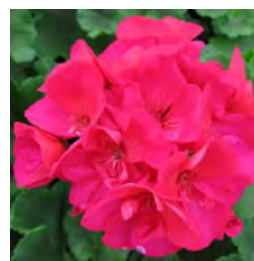
FLOWER FAIRY WHITE SPLASH



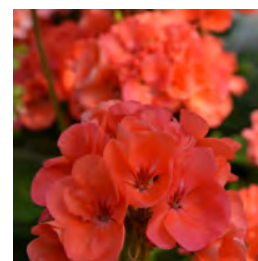
PATRIOT BRIGHT RED



PATRIOT BRIGHT VIOLET



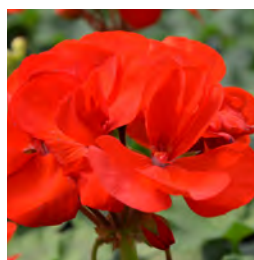
PATRIOT CHERRY ROSE IMP



PATRIOT EVENING GLOW



PATRIOT LAVENDER BLUE



PATRIOT RED



PATRIOT SALMON



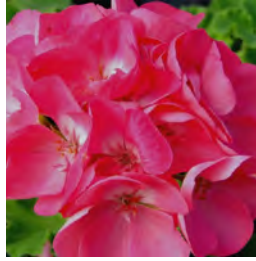




PATRIOT ROSALINDA



PATRIOT TICKLED PINK



PATRIOT WATERMELON



PATRIOT WHITE



ROCKY MOUNTAIN DARK RED



ROCKY MOUNTAIN DEEP ROSE



ROCKY MOUNTAIN  
LAVENDER



ROCKY MOUNTAIN ORANGE



ROCKY MOUNTAIN SALMON



ROCKY MOUNTAIN VIOLET



ROSALIE ANTIQUE SALMON



TALL DARK & HANDSOME  
BLOOD ORANGE & HOT PINK

**Rosalinda** - vivid pink, fully double flowers. Medium green leaf. Good heat tolerance. Excellent garden performance.

**Salmon** - rich, clear salmon with dark zone leaf and medium habit. Excellent heat tolerance. Very good garden performance.

**Tickled Pink** - pink flowers with green leaves. Habit: vigorous. Early bloom time, with average heat tolerance. Excellent garden performance.

**Watermelon** - hot coral with medium green leaf and medium habit. Very good heat tolerance. Excellent garden performance.

**White** - white w/large florets with rich green leaf and medium habit. Good heat tolerance. Excellent garden performance.

**Rocky Mountain™** - Produces beautiful large flowers, offered in a wide range of colors. Will bloom spring through summer. This vigorous, heat tolerant series is excellent for landscapes or 2.5 quarts or larger containers. Height 14-18". Spread 16-20".

**Dark Red**

**Deep Rose**

**Lavender**

**Orange**

**Salmon**

**Violet**

**Rosalie™ Antique Salmon** - Unique double, soft pink-salmon rosebud like flowers. Its medium vigor and compact habit makes it a perfect novelty plant in small to medium pots. Height 14-18". Spread 14-18".

**Tall Dark & Handsome®** - The name says it all! Tall pillar-like plants will grow up a trellis; dark glossy black and green foliage, with "handsome" - blooms that will flower on the entire stem, not just the terminal shoots. Allow 10-15 weeks with 3 plants per 8" pot to achieve a 24" trellis. Shows color all summer. Full sun to partial shade. Height 24-48". Spread 24".

**Blood Orange**

**Hot Pink**



GERANIUM  
GLITTER ORANGE





## Gerbera

**Garvinea®** - The first true garden gerbera! Unique collection of pollinator-friendly plants, with repeat, long-stemmed blooms. This is truly your all-purpose gerbera, great in 4-8" pots and suitable for larger pots or cut-flower gardens. Produces up to 30 blooms per plant. Flowers all season long! Highly resistant to heat, cold, pests, disease, and even rabbits and deer! Perennial in zones 7-9. Propagation prohibited.

**Majestic Burgundy** - large double flowers measure 2½ -3½" across and are deep wine with a white center and black eye. Flowers are pollen free. Use in 4-8" pots or larger for retail. Beautiful in outdoor gardens. Height 12-14".

**Majestic Purple** - bicolor purple and white with a large yellow eye. Flowers are pollen free.

### **NEW Majestic Yellow**

**Sweet Memories** - pink with frilly white center. 3-4" blooms. Height 12-18".

**Sweet Sparkle** - dark pink with a small black center. 3-4" blooms. Height 12-18".

**Sweet Sunset** - orange with dark eye and yellow ring. 3-4" blooms. Height 12-18".

**Patio** - This series features a huge habit and huge 5½-6" flowers, for (you guessed it) huge patio pots. These are truly masterpieces for your home, deck, parties, poolside, or weddings. Allow plenty of time and space to size these up well for a glorious show. Great in 8-10" pots. Height 18-30". Propagation prohibited.

**Daintree** - bicolor creamy white, light pink and dark pink with dark eye

### **NEW Glorious Light Pink**

**Glorious Purple** - purple with dark eye

**Hot Springs** - pink and white bicolor with a yellow eye

**Painted Desert®** - yellow/orange bicolor with dark eye

**Pinnacles** - red with a black center

**Volcanoes® Imp** - fiery red/orange bicolor with dark eye

## Gypsophila

**NEW Summer Sparkles** - A very uniform, densely branched plant, with small white, semi-double flowers that completely cover clumps of grey-green foliage. Blooms late spring to mid-summer. Makes a nice border plant, or use dried for cut flowers. Attracts butterflies. Deer resistant. Height 23-27". Spread 30-40". Zones 3-9.

## Helianthus

**SunBelievable Brown Eyed Girl** - Large vibrant blooms are a sunny yellow color with rustic red surrounding the large brown center. Produces over 1,000 flowers in one season, from Spring to Fall. This non-invasive sunflower is multi-branching and heat tolerant. Excellent for borders and containers or cut flowers. Height 32". Spread 40". Propagation prohibited.

**NEW SunMazing** - 4" flowers sit on heavily branched plants that continuously rebloom all season long. The large plants are ideal for late spring and early summer planters, or landscape. Heat and drought tolerant. In the landscape, height and spread is 3' by 3'. In containers, they are more restricted so expect a shorter plant.

## Heliotrope

**Midnight Sky** - Produces clusters of deep purple scented flowers with small white eyes. A compact, mounding evergreen shrub with dark green foliage. Blooms Spring through Fall. Attracts bees, butterflies and hummingbirds. Plant in borders or as an edging. Height 10-12". Spread 10-12".

## Isotoma

**Fizz N Pop™ Glowing Violet**- Isotoma, also known as laurentia, produces masses of starry blooms for season-long color in pots or landscape. Attractive to pollinators, the Fizz n Pop blooms are extra large. Starting to bloom under cool conditions of early spring, suitable for quarts and mixed containers, as well as mass plantings. Height 12". Spread 12". Propagation prohibited.



GYPSOPHILA SUMMER SPARKLES



HELIANTHUS SUNBELIEVABLE BROWN EYED GIRL



HELIANTHUS SUNMAZING



HELIOTROPE MIDNIGHT SKY

ISOTOMA FIZZ N POP  
GLOWING VIOLET





MAJESTIC BURGUNDY



MAJESTIC PURPLE



SWEET MEMORIES



SWEET SPARKLE



SWEET SUNSET



DAINTREE



GLORIOUS PURPLE



PAINTED DESERT



PINNACLES



VOLCANOES



MAJESTIC YELLOW



PATIO GLORIOUS  
LIGHT PINK



PATIO HOT SPRINGS





## Jamesbrittenia

**Stardom™** - A relative of Bacopa with better heat tolerance. Continues to flower throughout the summer. Upright habit. Suitable for beds, baskets, and mixed containers. Height 8-12". Propagation prohibited.

**Goldstar**

**Purple**

## Lantana

Bright, cheery blooms show a striking contrast to the dark green foliage. Excellent for the summer heat. Allow to dry down between waterings, but not dry out. Also tolerates wind, drought, and salt, making it a good choice for coastal gardens. Perennial in Zones 8-10. Note: Lantanas are known to transition from red, orange, yellow, blue, white or pink, and may have different colors in the same cluster of flowers.

**Confetti** - Multicolored red, pink & white, mounding.

**Havana®** - A bushy, landscape series with low seed set, and more continuous flowering. Well-branched, moderate vigor, very uniform in production. Heat tolerant with great ratings at outdoor trials. Height 12-16". Spread 16-18". Propagation prohibited.

**Cherry**

**Harvest Moon**

**Pink Sky**

**Red Sky**

**Sunset**

**Sunshine**

**NEW Yellow**

**Heartland** - Breeding comes from the Havana series, but with 30% more vigor, giving them a stunning landscape presence. They have the same large umbels and dark, glossy foliage as the Havanas. Continuous flowering all summer due to low seed set. Height 15-18". Spread 20-24". Propagation prohibited.

**Blue Moon**

**Neon**

**Orange**

**Really Red**

**Sunrise**

**Sunset**

**White**

**NEW Hot Blooded Red** - A vigorous, mounding, and well-branched lantana that is perfect for gardens and containers. Will turn orange in some environmental conditions. Heat and drought tolerant. Attracts bees. Height 15-18". Spread 24-30".

**Landscape Bandana** - A vigorous spreading habit makes this series perfect for landscape, giving maximum color, and big bright blooms all summer long. Heat and drought tolerant. Attracts bees. Height 16-20". Spread 32-36".

**NEW Gold**

**NEW Red**



JAMESBRITTENIA  
STARDOM GOLDSTAR



JAMESBRITTENIA  
STARDOM PURPLE



LANTANA CONFETTI



HAVANA CHERRY



HAVANA HARVEST MOON



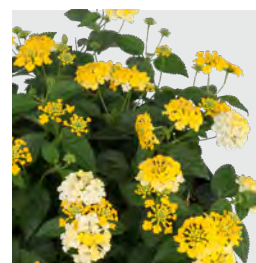
HAVANA PINK SKY



HAVANA RED SKY



HAVANA SUNSET



HAVANA SUNSHINE



HAVANA YELLOW



HEARTLAND BLUE MOON



HEARTLAND NEON



HEARTLAND ORANGE



HEARTLAND REALLY RED



HEARTLAND SUNRISE



HEARTLAND SUNSET



HEARTLAND WHITE



LANDSCAPE BANDANA GOLD





LANDSCAPE BANDANA RED



NEW GOLD



TRAILING LAVENDER



LOBELIA ANABEL  
BRILLIANT BLUE



ANABEL SNOW WHITE



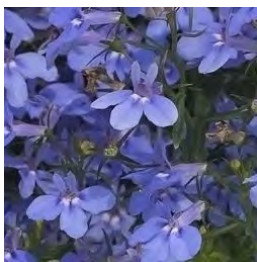
HOT BLUE



HOT BRILLIANT BLUE



HOT SNOW WHITE



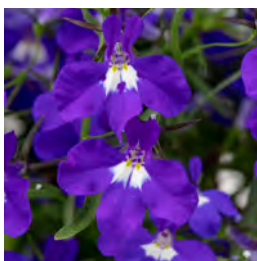
HOT WATER BLUE



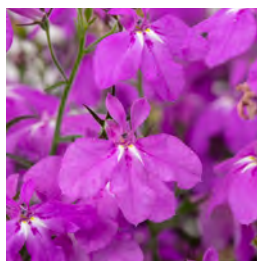
HOT+ AQUA



HOT+ BLUE WITH EYE



HOT+ DARK BLUE



HOT+ ELECTRIC PURPLE



HOT+ ELECTRIC  
PRETTY HEAVEN



HOT+ WHITE



RIFT BLUE



RIFT PURPLE

**New Gold** - Golden yellow, compact, mounded.

**Trailing Lavender** - "Lavender weeping", very trailing.

## Lobelia

These Lobelias offer large flowers and more heat tolerance than standard seed types. Lovely cascading habit. Excellent for hanging baskets, mixed containers, and beds. Propagation prohibited.

**Anabel®** - A heat tolerant lobelia from breeding in the Mediterranean area. Continuously sprouts new leaves and flowers. Large, vigorous plants. Height 8-10". Spread 12-24".

**Brilliant Blue** - dark blue, semi-trailing

**Snow White** - medium flowers, mounded habit

**Hot®** - Very heat tolerant with large blooms and weather-resistant foliage. Height 6-8". Spread 12".

**Blue** - Intense blue w/small white eye

**Brilliant Blue**

**Snow White**

**Water Blue**

**Hot+** - A more vigorous version of the original Hot series, with larger flowers and more uniform habit. Very heat tolerant and weather resistant. Height 8-12". Spread 12".

**Aqua** - sky blue

**Blue with Eye**

**Dark Blue**

**Electric Purple**

**Pretty Heaven** - soft blue and white

**White**

**Rift** - A beautiful lobelia with a semi-trailing habit that is better suited for hanging baskets and mixes. Early to flower, with a medium to vigorous growth. Less heat tolerant than the 'Hots'. Height 12". Spread 18".

**Blue** - eye-catching variegated blue and white

**Purple** - lovely variegated purple and white



LANTANA HOT  
BLOODED RED





**Star®** - Extremely intense colors with very showy effect make this series a world-wide trendsetter. Height 8". Spread 12".

**Cobalt** - considered by the breeder as the easiest, most uniform lobelia. Intense blue.

**Deep Blue** - darkest blue lobelia on the market, blue-violet with no eye

**Superstar** - white with dark blue edge and eye

## Lobularia

**Stream™** - A fast-growing, heat tolerant "alyssum" that grows all summer long into a floriferous, ball-shaped plant. Its naturally compact habit keeps it tidy and manageable in hanging baskets, mixed containers, or window boxes. Wonderfully fragrant. Will spread up to 20" over a summer season. Propagation prohibited.

**Lavender** - color intensifies in cool weather

**Purple** - dark purple flowers on dark green foliage

**Raspberry** - rich, rose color, with a medium habit

**White** - very large white blooms, with a medium growth habit. Much more showy, but also more "messy" than Silver Stream when the petals drop. Easier to work into mixed containers because of its medium growth habit.

## Lophospermum

This is an excellent product for the grower/retailer. Has an intensely trailing/vining habit with unique trumpet shaped blooms. Self-branching and self cleaning. Moderate heat tolerance. Length of vines 1-2'. Propagation prohibited.

**Lofos® Compact Rose**

**Lofos® Compact White**

## Mandevilla

*Also known as dipladenia.* One of the most popular plants in the South. Glossy, dark green foliage with a wonderful climbing habit. Best grown on a trellis. Blooms continuously. Needs warm growing conditions.

**Madinia®** - Compact, bushy plants flower continuously from spring through summer, giving a beautiful display of color. Their limited vining makes them well suited for both small and large pots. Drought tolerant and disease resistant. Height 12-14", can climb to 4' in the right conditions. Spread 12-14". Zones 9-11.

**Coral Pink**

**Elegant Velvet Red**

**Pink**

**White**

**Madinia® Maximo** - A larger version of the Madinias, Maximos offer brilliant flowers on more vigorous plants, with a vining habit that is best used for premium programs in trellised containers. Their disease resistance and limited leaf drop will "Wow" your customers at retail. Height 12-14", can climb to 6' in the right conditions. Spread 18-36". Zones 9-11. Propagation prohibited.

**Light Pink**

**Scarlet**



STAR COBALT



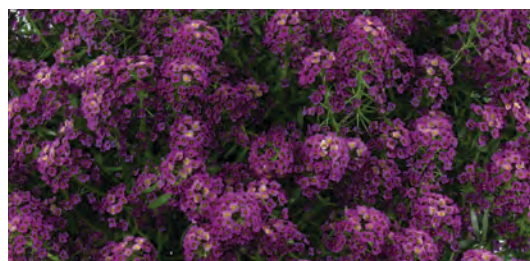
STAR DEEP BLUE



STAR SUPERSTAR



LOBULARIA STREAM  
LAVENDER



LOBULARIA STREAM PURPLE



LOBULARIA STREAM  
RASPBERRY



LOBULARIA STREAM WHITE



LOPHOSPERMUM LOFOS  
COMPACT ROSE



LOPHOSPERMUM LOFOS  
COMPACT WHITE



MANDEVILLA MADINIA  
CORAL PINK



MANDEVILLA MADINIA ELEGANT VELVET RED



MANDEVILLA MADINIA PINK



MANDEVILLA MADINIA WHITE



MANDEVILLA MADINIA  
MAXIMO LIGHT PINK





MANDEVILLA MADINIA  
MAXIMO SCARLET



MERCARDONIA  
GARDEN FRECKLES



ESSENTIAL ELDERBERRY



NEMESIA ESSENTIAL  
BLUEBERRY CUSTARD



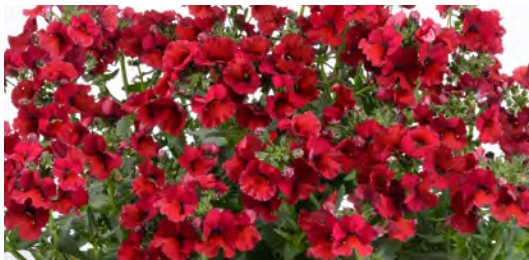
NEMESIA ESSENTIAL  
RASPBERRY LEMONADE



NEMESIA ESSENTIAL  
SUGARBERRY



NEMESIA NESIA  
BANANABERRY



NEMESIA NESIA BURGUNDY



NEMESIA NESIA INCA



NEMESIA NESIA  
SNOW ANGEL



NESIA TROPICAL

## Mecardonia 🌞

**Garden Freckles** - Produces an abundance of cheery yellow blooms all season long. Excellent in pots, baskets, and mixed containers, with tough, durable performance in the garden. Both frost and heat tolerant and extremely early to bloom. Requires long days to bloom. Compact, trailing habit. Also suitable as a ground cover between paving stones. Height 4-6". Spread 14-18". Propagation prohibited.

## Nemesia 🌞🌧️

These delicate-looking, upright plants with mini-snapdragon shaped flowers are perfect for mixed baskets and borders. Compact habit. Don't let them dry out. Propagation prohibited.

**Essential™** - Large fragrant flowers in bold colors. Very heat tolerant with cooler nights. The upright, rounded plants will bloom from early spring to autumn, adding color and sweet smells to your garden. Suited for 4" pots and early season containers and baskets. Height 8-12". Spread 8-12".

**Blueberry Custard** - bicolor violet/blue and yellow

**NEW Elderberry**

**Raspberry Lemonade** - bicolor raspberry and yellow

**Sugarberry** - bicolor purple and violet tones with yellow eyes

**NEW Zazzleberry**

**Nesia™** - Compact mound of large flowers in striking colors, with better branching than earlier genetics. Suitable for pots and mixed containers, very showy. Loves cooler weather and is more heat tolerant than other series. Height 8-12".

**Bananaberry** - single flower. Bicolor blush and wine with yellow eye. Compact habit.

**Burgundy** - deep red, larger habit

**Inca** - deep yellow

**Snow Angel** - white, larger habit

**NEW Tropical**



NEMESIA ESSENTIAL  
ZAZZLEBERRY





## New Guinea Impatiens

**Harmony®** - The Harmony Series features a uniform, compact habit and beautiful, large round blooms. They have excellent garden performance and are particularly tolerant to high temperatures. Abundant color selection. Tolerates full sun if ample moisture is provided. Otherwise, partial shade. Propagation prohibited.

**Apricot Cream** - apricot bicolor with red leaf and compact habit. Early flowering. Suitable for 6-10" pots.

**Bicolor Red** - large red and white bicolor flowers with dark leaves; medium vigor.

**Bubblegum** - bicolor pink, dark leaves, mounded, early flowering.

**Dark Violet** - extra large purple blooms with green leaf and compact habit. Early flowering. Suitable for 6-10" pots.

**Fuchsia Cream** - fuchsia/dark pink bicolor with very dark leaf and compact habit. Early flowering.

**Magenta** - magenta; extra large flowers with red leaf and compact habit. Early flowering. Suitable for 6-10" pots.

**Pink Smile** - extra large flowers; pink w/darker center, green leaf and compact habit. Early flowering.

**Raspberry Cream** - bicolor pink with red leaf and compact habit. Early flowering. Suitable for 6-10" pots.

**Red Cardinal** - true red with green leaf, early, mounded, medium habit.

**Snow** - white with green leaf and compact habit. Early flowering.

**Tangerine** - apricot/orange with dark green leaves.

**Harmony® Colorfall** - Colorfalls produce large, bright flowers for an excellent show of color. Best suited for your shade and part shade baskets, pots and combos. Semi-trailing habit. Propagation prohibited.

**Dark Leaf Red**

**Orange**

**Passion**

**White**

**Harmony® Radiance™ Lilac** - Radiance is a sub-series in the Harmony group with special, decorative flowers with bright-edged petals. Each flower has a burst of white surrounded by intense color. Early bloom time, medium to large flowers, and upright, compact habit. Suitable for 4-6" pots. Propagation prohibited.

**Roller Coaster** - Large frilly, double blooms atop dark green foliage. This series has outstanding garden performance from late spring to early summer. Great in specialty pots. Height 6-10". Blooms 5-6 days later than other varieties. Propagation prohibited.

**Hot Pink** - vibrant pink

**Red Racer**

**Valravn Violet**



APRICOT CREAM



BICOLOR RED



BUBBLEGUM



DARK VIOLET



FUCHSIA CREAM



MAGENTA



PINK SMILE



RASPBERRY CREAM



RED CARDINAL



SNOW



TANGERINE

COLORFALL DARK  
LEAF REDCOLORFALL  
ORANGE

COLORFALL PASSION



COLORFALL WHITE



RADIANCE LILAC

ROLLER COASTER  
HOT PINKROLLER COASTER  
RED RACERROLLER COASTER  
VALRAVN VIOLET

SOL LUNA BLUSH

SOL LUNA  
ELECTRIC PINK





**Sol Luna** - This early flowering New Guinea series will take sun or shade, but does best with some shade. Its controlled habit is great for smaller pots (3.5" to 8") and for landscapes. Height 12-14". Spread 16-18". Propagation prohibited.

Blush  
Electric Pink  
Lilac  
Red  
Tropical Punch  
Ultra Violet  
White

## Origanum

**Bellissimo** - This fun, ornamental, non-culinary oregano features large pink-green bracts, rose flowers and clear, light green foliage, with a delicious fragrance to attract pollinators. Color is improved under high light and cooler temperatures. Suitable for pot crops, hanging baskets, mixed containers and even dried-flower arrangements. Height 8-12". Spread 18-24".



ORIGANUM BELLISSIMO



OSTEOSPERMUM  
GELATO ALMOND



GELATO APRICOT

## Osteospermum

*"African Daisy or Cape Daisy"*

Our Osteospermums have been pre-cooled to initiate flower development. Please refer to our Cultural Tips to help with timing and growing procedures.

**Gelato** - Perfect for early spring sales, the compact, tidy habit works best for small to medium sized pots, containers or landscapes. Great cold tolerance. Height 12-18". Spread 12-18". Propagation prohibited.

Almond  
Apricot  
Candy Pink  
Cranberry  
Passion  
Pineapple  
Pink Surprise  
Prune  
Raspberry



GELATO CANDY PINK



GELATO CRANBERRY



GELATO PINEAPPLE



GELATO PINK SURPRISE



GELATO PRUNE



GELATO RASPBERRY







**Osticade™** - Vibrant flowers on sturdy, compact plants, ideal for early spring sales. Semi-trailing, suitable for hanging baskets, with good heat tolerance.

**NEW Aurora**

**Daybreak** - trailing habit, large flowers with unique shades of peach, pink and yellow

**Pure White**

**Purple** - trailing habit, medium size purple flowers

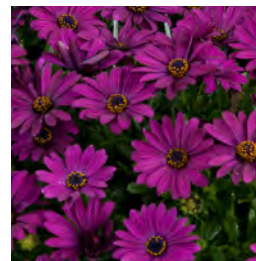
**Yellow** - trailing habit with light yellow flowers



OSTICADE DAYBREAK



OSTICADE PURE WHITE



OSTICADE PURPLE

## Pachystachys

**lutea** - Yellow bracts with white flowers. Also known as Shrimp or Lollipop Plant. Soft-stemmed shrub. Height 3-4' outdoors. May also be grown as an indoor potted plant, growing 12-18" tall.



OSTICADE YELLOW



PACHYSTACHYS LUTEA



PERICALLIS SENETTI  
MAGENTA BICOLOR

## Pericallis

**Senetti®** - Produces a compact mounding plant covered in a profusion of large, daisy-like, jewel-tone flowers, up to 3" across. In ideal growing conditions, bloom count can reach 200 on a plant grown in a 10" pot. The key to success is to grow these plants in cool conditions. See culture tips for details. Once blooms are spent, cut back for rebloom in 3-4 weeks. Height 24". Spread 24". Propagation prohibited.

**Magenta Bicolor** - soft magenta with white ring around purple eye, medium vigor, early flowering

**Violet**

**Violet Bicolor** - purple with white ring around a dark purple center.



PERICALLIS SENETTI VIOLET



PERICALLIS SENETTI  
VIOLET BICOLOR



PETCHOA SUPERCAL BLUE

## Petchoa

(petunia & calibrachoa cross)

"A scientific breakthrough!" Petchoa combines the great vigor and lush foliage of vegetative petunias with the floriferous nature and flower finesse of Calibrachoa. Very tolerant to extreme weather conditions. Grows extremely well outdoors in moderate climates. Its semi-trailing habit is ideal for hanging baskets, window boxes or pots. Better heat tolerance than either petunia or calibrachoa. Height 14-20". Spread 14-22". Propagation prohibited.

**SuperCal®** - More upright than Calitunia, with bigger flowers favoring the petunia side of the pair.

**Blue** - solid blue

**Rose** - hot rose with yellow eye

**Royal Red** - velvety red

**SuperCal® Premium** - This series brings you the same great flower power that you've come to love with the added benefit of a more mounded, controlled habit. Early blooms and medium vigor.

**Bordeaux**

**Caramel Yellow**

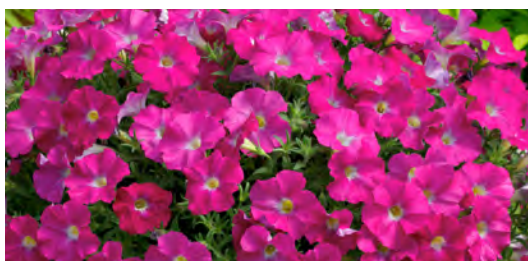
**Cinnamon**

**French Vanilla**

**Pearl White** - white with small dark eye

**Purple Dawn** - vibrant purple with deep veins

**NEW Red Maple** - iridescent scarlet to orange glow



SUPERCAL ROSE



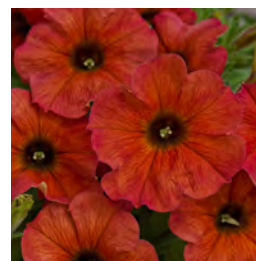
SUPERCAL ROYAL RED



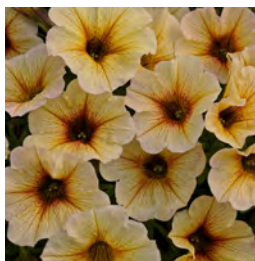
SUPERCAL PREMIUM  
BORDEAUX



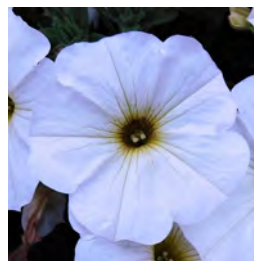
SUPERCAL PREMIUM  
CARAMEL YELLOW



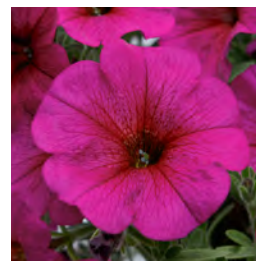
SUPERCAL PREMIUM  
CINNAMON



SUPERCAL PREMIUM  
FRENCH VANILLA



SUPERCAL PREMIUM  
PEARL WHITE



SUPERCAL PREMIUM  
PURPLE DAWN

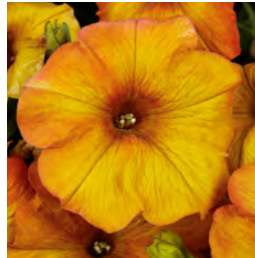




SUPERCAL PREMIUM RED MAPLE



SUPERCAL PREMIUM  
SUNRAY PINK



SUPERCAL PREMIUM  
SUNSET ORANGE



SUPERCAL PREMIUM  
YELLOW SUN



PETUNIA AMAZONAS PLUM COCKATOO



AMORÉ FLUTTERING HEART



AMORÉ HEART & SOUL



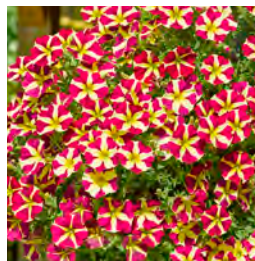
AMORÉ KING OF HEARTS



AMORÉ PINK HEART



AMORÉ PURPLE



AMORÉ QUEEN OF HEARTS



BLANKET DOUBLE SILVER SURPRISE



BLANKET SILVER SURPRISE

## Sunray Pink

**Sunset Orange** - shades of orange and yellow

**Yellow Sun** - bright golden yellow with darker veins

## Petunias

Propagation prohibited on all varieties.

**Amazonas™ Plum Cockatoo** - Formerly "Lime Royale". This variety presents a beautiful combination of colors on each bloom. Purple veins blend to cream, finishing off with lime green frills that will "wow" your customers. Its tight, mounding habit is between Capella and Ray, and works well in small pot programs up to hanging baskets. Early blooming. Height 10-12". Spread 12-14".

**Amoré®** - Each flower is decorated with hearts between the stripes. Nicely selected group with similar habits and bloom times. Much more stable color pattern than we've seen in other series. Height 10-16". Spread 12-18".

**Fluttering Heart** - purple and white

**Heart & Soul** - wine red and yellow

**King of Hearts** - red and white

**Pink Heart** - pink and white

**Purple** - blue and white

**Queen of Hearts** - red and yellow

**Blanket®** - Truly a "surprise", this impressive plant features small blooms that are white, silver, lavender, and shades of deep pink and fuchsia, all on one plant. Creates its own combination! Use in quarts, gallons and larger hanging baskets and containers. Also shows off a blanket of color in the landscape. Will bloom all summer long, and withstands most weather conditions. This self cleaning variety is low maintenance for your customers. Height 6-8". Spread 36".

**NEW Double Silver Surprise** - same shades and habit as Blanket Silver Surprise, but with double flowers

**Silver Surprise** - blooms that are white, silver, lavender, and shades of deep pink and fuchsia, all on one plant



OSTEOSPERMUM  
OSTICADE AURORA





**Capella™** - Controlled growth series, perfect for small pots up to hanging baskets. Large blooms, mounded habit. Height 10". Spread 12".

**Burgundy**

**Cherry Vanilla** - cherry pink with white skirt

**Coral**

**Hello Yellow** - bright yellow

**Indigo**

**Pink Lace**

**Purple**

**Purple Veins**

**NEW Rim Fuchsia**

**NEW Rose**

**Ruby Red**

**White**

**Cascadias™** - Vegetative petunias known for their excellent garden performance. Used extensively for hanging baskets, window boxes, and landscaping, they quickly make an impressive mass planting under full sunlight. From early spring to first frost, they continue to grow and bloom profusely. Feed well for best performance. Tolerate both high temperatures as well as light frost. Height 12-14". Spread 18-24".

**Autumn Mystery** - mocha with purple eye, large flower, more compact than some Cascadias.

**Bicolor Cabernet** - purple & white, early spring bloomer.

**Chili Red** - dark red, trailing habit.

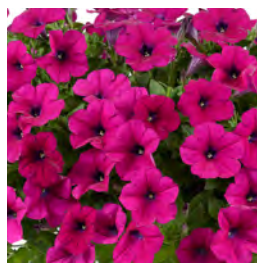
**Iceburg** - extra large, white flowers, early, vigorous.

**Indian Summer** - shades of yellow, peach, orange. Early, large blooms.

**Indigo**

**Pitaya** - rose with green edge, medium flower size, earliness and vigor.

**Purple Gem** - blue with white star, early, medium vigor.



CAPELLA BURGUNDY



CAPELLA CHERRY VANILLA



CAPELLA CORAL



CAPELLA HELLO YELLOW



CAPELLA INDIGO



CAPELLA PINK LACE



CAPELLA PURPLE



CAPELLA PURPLE VEINS



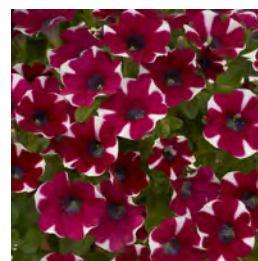
CAPELLA RUBY RED



CAPELLA WHITE



CASCADEIAS AUTUMN  
MYSTERY



CASCADEIAS BICOLOR  
CABERNET



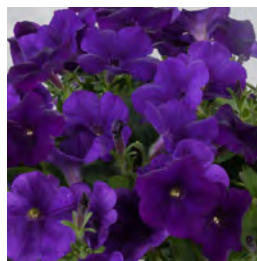
CASCADEIAS CHILI RED



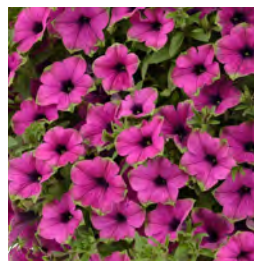
CASCADEIAS ICEBURG



CASCADEIAS INDIAN SUMMER



CASCADEIAS INDIGO



CASCADEIAS PITAYA



CASCADEIAS PURPLE GEM



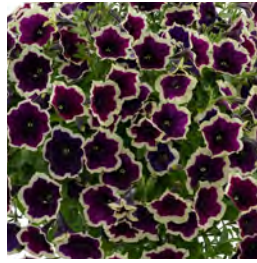




CASCADIAS PURPLE ICE



CASCADIAS RIM CHERRY



CASCADIAS RIM MAGENTA



CASCADIAS RIM VIOLET



CRAZYTUNIA BLACK MAMBA



CRAZYTUNIA BLACK AND WHITE



CRAZYTUNIA BLACKBERRY JAM



CRAZYTUNIA COSMIC PINK



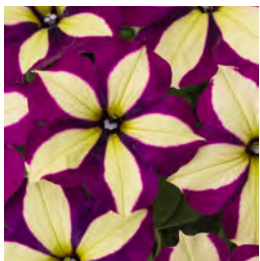
CRAZYTUNIA COSMIC PURPLE



CRAZYTUNIA COSMIC VIOLET



CRAZYTUNIA FRISKY ORANGE



CRAZYTUNIA FRISKY PURPLE



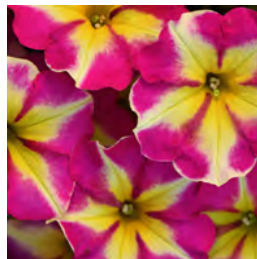
CRAZYTUNIA GINGERSNAP



CRAZYTUNIA MANDEVILLE



CRAZYTUNIA MOONSTRUCK



CRAZYTUNIA PINK FLAMINGO

**Purple Ice** - purple-pink with deep purple centers. Semi-trailing.

**Rim Cherry** - purple with white picotee, large flower, early blooming, medium to strong vigor.

**Rim Magenta** - dark purple-black with ivory margin, medium earliness.

**Rim Violet** - blue w/white edge, medium bloom.

**Crazytunia®** - A collection of novelty colors, sure to please. Very unstable color patterns give a great deal of variation on these descriptions. Often the first flower is closer to a solid color. Height 12-14". Spread 18-24".

**Black Mamba** - velvety black. Medium earliness and vigor, semi-upright.

**Black & White** - white with a dark veined throat.

**Blackberry Jam** - large burgundy/black center, edged in shades of pink/cream/white. Unstable color.

**Cosmic Pink** - frilly looking flowers have deep pink centers that fade to white edges. Medium vigor with an upright, mounding habit.

**Cosmic Purple** - fluorescent pink and deep purple bicolor, vigorous, large flowered.

**NEW Cosmic Violet**

**Frisky Orange** - orange w yellow star. *Contains A1DFR gene (GMO).*

**Frisky Purple** - purple with a yellow star

**NEW Gingersnap** - *Contains A1DFR gene (GMO).* Dark red with nearly black centers.

**Mandeville** - magenta with yellow star and yellow margin, medium earliness, vigorous, upright, unstable color.

**Moonstruck** - dark mahogany, yellow, and lavender multicolor.

**Pink Flamingo** - pink with a yellow star.



PETUNIA  
CAPELLA ROSE





**Razzmatazz** - bright shades of magenta with a yellow star.

**Rose Gold** - stonewashed pink and gold bicolor with hints of lime. Medium blooms on a mounding habit. Try this in a mixed container!

**Raspberry Lemonade** - alternating bands of glowing yellow and red/pink shading into each other.

**Tiki Torch** - orange & pink petals, dark star. Upright, mounding habit.

**Dekko** - An exceptional plant with medium sized flowers on a spreading habit. Adds the "Wow Factor" to your mixed combos and hanging baskets, 306's, quarts and gallons, as well as landscapes. Pollinator friendly. Blooms early spring through summer. Medium-vigorous. Height 8-12". Spread 18-22".

**NEW Banana** - one of the best yellows on the market!

**NEW Purple**

**NEW Sky Blue**

**NEW White**

**Double Stuff** - Small double flowers have good weather tolerance. Its self-cleaning, mounding, semi-trailing habit works well in small pots and hanging baskets. Height 12". Spread 12-18".

**NEW Burgundy Star**

**NEW Violet Star**

**Durabloom** - The first interspecific landscape petunia on the market! Withstands heat, drought, and bounces back quickly after rain. Boasts strong, sturdy stems and awesome flower power that lasts spring to fall. Hence the name! Durable, tough and pretty. Early flowering allows planting in 4" pots in the spring. Also use in containers, hanging baskets and landscape plantings. Sheer 10-15% of the outer foliage during the heat of the summer to promote reblooming. Height 8-12". Spread 18-32".

**Blue Vein**

**NEW Electric Lilac**

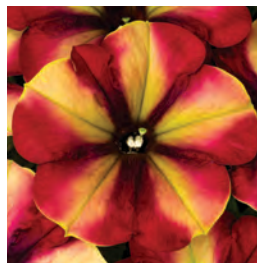
**Purple**

**NEW Royal Pink**

**Flower Shower** - Stunning blooms pour over beds and containers in an array of eye-catching colors. Best in hanging baskets or the garden. Semi-trailing habit with incredible weather tolerance. Non-stop flowering from early Spring through Fall. Height 12-14". Spread 20-28".

**Golden Harvest** - contains A1DFR gene (GMO)

**Mayan Sunset** - formerly Crazytunia



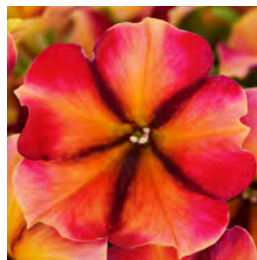
CRAZYTUNIA RAZZMATAZZ



CRAZYTUNIA ROSE GOLD



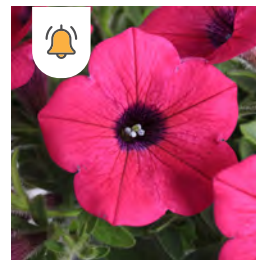
CRAZYTUNIA RASPBERRY LEMONADE



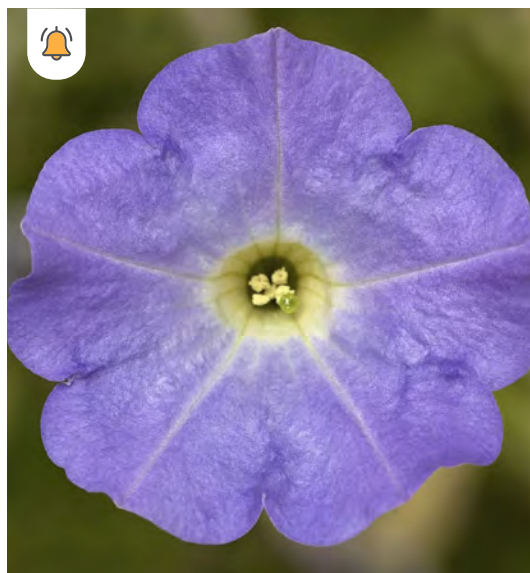
CRAZYTUNIA TIKI TORCH



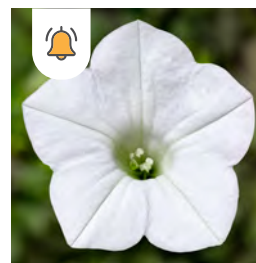
DEKKO BANANA



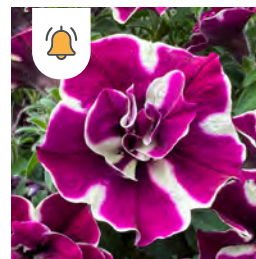
DEKKO PURPLE



DEKKO SKY BLUE



DEKKO WHITE



DOUBLE STUFF BURGUNDY STAR



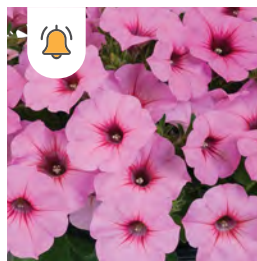
DOUBLE STUFF VIOLET STAR



DURABLOOM BLUE VEIN



DURABLOOM PURPLE



DURABLOOM ROYAL PINK



FLOWER SHOWER GOLDEN HARVEST



FLOWER SHOWER MAYAN SUNSET







FLOWER SHOWER RINGO STAR



FLOWER SHOWER WHITE



GLAMOUFFAGE PINK LEMONADE



INFERNO EMBER RED



ORIGAMI PINK



ORIGAMI WATERMELON



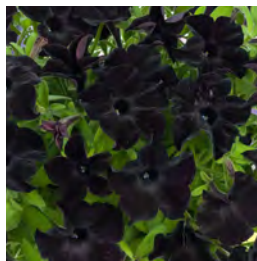
PERFECTUNIA MANDARIN



PERFECTUNIA SUN



POWERHOUSE PURPLE



RAY BLACK



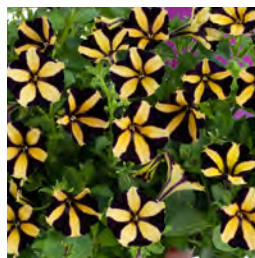
RAY CLASSIC BLUE



RAY PISTACHIO CREAM



RAY PURPLE VEIN



RAY SUNFLOWER

## NEW Ringo Star

**NEW White** - best white on the market

**Glamouflage Pink Lemonade** - Striking pink flowers on variegated foliage gives it a truly glamorous effect. Best grown in full sun. Attracts butterflies and hummingbirds. Height 6-8". Spread 10-16".

**Inferno** - An abundance of flowers cover a vigorous, horizontal branching habit. Performs best in containers. Height 6-8". Spread 12-18". *Contains A1DFR gene (GMO).*

**Ember Red** - deep red shading to purple/black centers

## NEW Ignition

**Origami** - Medium sized, fully double blooms cover well branched, semi-hanging plants with medium vigor. Perfect for small pot programs. Daylength neutral. Height 10-14". Spread 8-12".

**Pink**

**Watermelon**

**Perfectunia®** - A perfect petunia for pot crops and color bowls. Compact with good basal branching. Very early to bloom with large, single flowers. Also suitable for "mounded" baskets. Height 8-12". Spread 9-14".

**NEW Mandarin** - *Contains A1DFR gene (GMO).*

**Sun** - yellow

**Powerhouse Purple** - A stand-alone petunia with extreme durability, superb for hanging basket programs since it is covered with flowers across the top and down to the tips. Incredibly full mounding/trailing habit. Height 8-12". Spread 24-36".

**Ray™** - A beautiful, mounding habit just covers itself in large flowers. All will bloom early in the spring for the start-up of your season. Would look fantastic in color bowls. Height 6-10". Spread 10-12".

**Black** - large, black flower, best we've seen.

**Classic Blue** - medium blue.

**Pistachio Cream** - Unique bicolor cream and green flowers, upright habit, very weather tolerant. Definitely need to try this one in mixed planters.

**Purple Vein** - silver with purple veins.

**Sunflower** - black with yellow star, medium flower size.







**Splash Dance™** - For the "starry" look in your eyes, this speckled pattern holds its unique coloration into the heat. Has a compact, trailing habit. Use in 4½" up to large containers, hanging baskets or ground covers.

**Bolero Blue** - blue and white

**Magenta Mambo** - magenta and white with soft yellow throat

**Purple Polka** - purple and white

**Rumba Rose** - pink and white

**NEW Violet Vogue**

**Surfinia®** - Diverse series, superior for containers and outstanding in the landscape. Height 12". Spread 12-18".

**Deep Red**

**Heavenly Blue** - medium blue, more prostrate than mounding.

**Surfinia Sumo®** - A truly enormous petunia for giant containers and gorgeous mounds of spreading color in landscapes. Huge flowers. Offer in 6" or larger containers. Spread of 35-55" can be expected.

**Pink** - bright pink

**Plum** - magenta

**Surprise®** - Lovely large flowers sit on well branched foliage with a very early, vigorous, semi-mounded, trailing habit. Suited to pots and hanging baskets. Also a good choice for landscapes. Height 10-14". Spread 12-24".

**Mardi Gras** - yellow with purple shading, unstable color.

**Tie Dye Pink** - lovely distinctive white star on bright pink flowers.

**Sweetunia Fiona Flash** - An abundance of striking red to dark red flowers will bloom all summer long. Very early, semi-upright, with medium vigor. Self cleaning. Grow them in beds, baskets, window boxes or patio pots. Height 8-12". Spread 12-14".

**Veranda™ Double Sugar Plum** - Fully double, medium size blooms of bicolor purple and lilac. Controlled habit, suitable for pot production as well as hanging baskets and mixed containers. Height 8-12".



SPLASH DANCE  
BOLERO BLUE



SPLASH DANCE MAGENTA MAMBO



SPLASH DANCE PURPLE POLKA



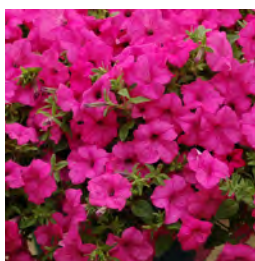
SPLASH DANCE RUMBA ROSE



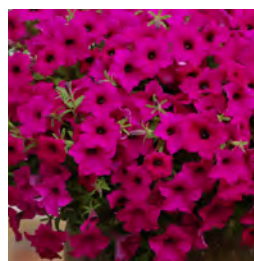
SURFINIA DEEP RED



SURFINIA HEAVENLY BLUE



SURFINIA SUMO PINK



SURFINIA SUMO PLUM



SURPRISE MARDI GRAS



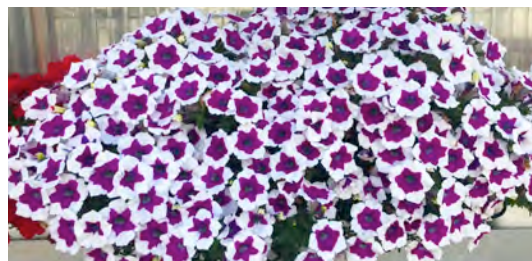
SURPRISE TIE DYE PINK



SWEETUNIA FIONA FLASH



VERANDA DOUBLE  
SUGAR PLUM



ZOOM! PURPLE

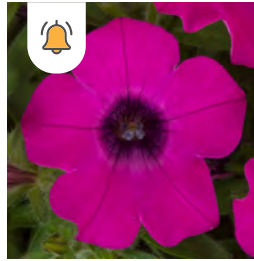


PETUNIA SPLASH  
DANCE VIOLET  
VOGUE





ITSY PINK



ITSY MAGENTA



ITSY WHITE



LITTLETUNIA BLUE VEIN



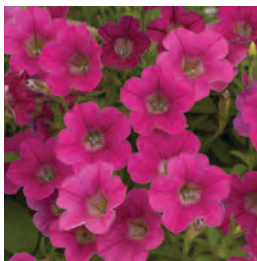
LITTLETUNIA BRIGHT RED



LITTLETUNIA PINK



LITTLETUNIA PURPLE BLUE



LITTLETUNIA ROSE



LITTLETUNIA WHITE GRACE



SHORTCAKE BLUEBERRY

**ZOOM! Purple** - "Drive by" color in the landscape! ZOOM! Purple has a distinct purple star outlined with a wide white edge. Extremely robust, well branched plants that are early to flower and hold their flower color into late season. Also perfect for large containers and hanging baskets. Height 12-18". Spread 36".

## Petunias - Mini 🌞

Propagation prohibited on all varieties.

**Itsy™** - This little beauty has compact-medium vigor, exceptional branching and tons of tiny blooms. Creates a blanket of color in containers, baskets, large packs and up to 2½ gallon pots. Also perfect for landscapes and is pollinator friendly. Blooms mid-spring to summer. One of the best heat tolerant varieties. Height 4-6". Spread 18-24".

**NEW Magenta**

**NEW Pink**

**NEW White** - a great replacement for Bacopa, gives color all summer

**LittleTunia®** - Loaded with miniature flowers approx 0.8-1.2" diameter. Plants flower from spring to late autumn. Use in small containers or hanging baskets. Medium vigor, early to medium flower timing and semi-trailing habit. Stunning potential as an alternative to calibrachoa, if the art of growing calibrachoa eludes you. Easy to grow, it forms very dense growth simply covered with color. Great to mix and match color.

**Blue Vein** - blue w/dark violet veins.

**Bright Red**

**Pink** - pink w/red veins, early.

**Purple Blue**

**Rose** - rose, medium bloom time.

**White Grace** - pure white.

**Shortcake** - Leave room for desert! Features mid-sized, bicolor flowers on a spreading, compact, medium vigor habit. Very stable throughout the season. Great in small pots, combos and gardens. Height 8-12". Spread 18-22".

**NEW Blueberry**

**NEW Raspberry**







## Plumbago

**Dark Blue** - A resilient plant which is popular for homes and commercial landscapes. A perennial in zones 8-11, it can reach a shrub size of 3'x3'.

## Portulaca

A very heat tolerant plant, excellent in the south. Keep on the dry side. Propagation prohibited.

**ColorBlast** - Offers brilliant, drought tolerant color in breakthrough fully double or single striped blooms. Doubles: Height 9-12" with spread of 16+". Singles: Height 4-8" with spread of 16+".

**Double Guava** - yellow and purple bicolor

**Double Magenta**

**Mango Mojito** - orange and yellow bicolor

**Pink Lady** - pink and white bicolor.

**Watermelon Punch**

**Cupcake** - Blooms late spring through summer, producing vibrant colors on a mounding-trailing habit. Thrives in the heat and is drought tolerant. Height 6-10". Spread 10-16".

**Carrot 2024**

**Cherry Baby**

**Grape Jelly 2024**

**Yellow Chrome** - mounding

**Cupcake Upright** - Same flower power and heat and drought tolerance as the CupCake series, but with a semi-upright, mounding habit. Height 8-12". Spread 20-28".

**Lemon Zest**

**Raspberry**

## Rose

**Sunrosa®** - Add beauty to your landscape with these outstanding roses! Beautiful 1½ -2" flowers on a compact, upright, bushy habit. Requires little maintenance and they are highly disease resistant. Will bloom for long periods of time, year round in the South. Will tolerate heat, yet are hardy to Zone 5. Retailers should plant them in gallons or larger. Height 15-36". Spread 12-18". Propagation prohibited.

**Fragrant Pink**

**Orange Delight**

**Red**

**Yellow Delight**

## Salvia

A beautiful complement to our line. Very showy in mono-culture pots and a really nice addition for mixed containers. Early to flower and heat tolerant. A "must-try" item. Propagation prohibited.

**farinacea Sallyfun™** - Compact habit. At least 4 weeks earlier to bloom than farinaceas from seed.

**Blue Lagoon** - dark blue with a small white eye. Well branched with medium vigor.

**Sky Blue** - two-tone blue

**XL Blue** - larger habit for patio pots



PLUMBAGO DARK BLUE



PORTULACA COLORBLAST  
DOUBLE GUAVA



PORTULACA COLORBLAST  
DOUBLE MAGENTA



PORTULACA COLORBLAST  
MANGO MOJITO



PORTULACA COLORBLAST  
PINK LADY



PORTULACA COLORBLAST  
WATERMELON PUNCH



PORTULACA CUPCAKE  
CARROT 2024



PORTULACA CUPCAKE  
CHERRY BABY



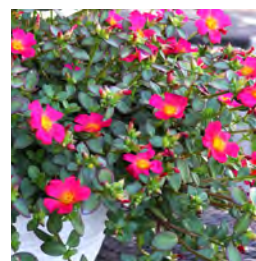
PORTULACA CUPCAKE  
GRAPE JELLY 2024



PORTULACA CUPCAKE  
YELLOW CHROME



PORTULACA CUPCAKE  
UPRIGHT LEMON ZEST



PORTULACA CUPCAKE  
UPRIGHT RASPBERRY



ROSE SUNROSA  
FRAGRANT PINK



ROSE SUNROSA  
ORANGE DELIGHT



ROSE SUNROSA RED



ROSE SUNROSA  
YELLOW DELIGHT



SALVIA SALLYFUN  
BLUE LAGOON



SALVIA SALLYFUN SKY BLUE

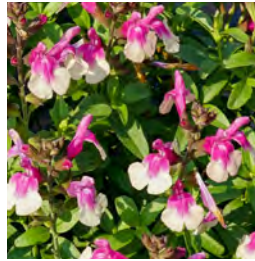




SALVIA SALLYFUN XL BLUE



SALVIA GREGGII MIRAGE  
CHERRY RED



SALVIA GREGGII MIRAGE  
ROSE BICOLOR



SALVIA HUMMINGBIRD FALLS



SALGOON LAKE GARDA



SALGOON LAKE BAIKAL



SALGOON LAKE TITICACA



SANVITALIA TALYA  
GREAT YELLOW



SCAEVOLA PINK BLESSING



SCAEVOLA SCALORA  
BRILLIANT



SCAEVOLA SCALORA  
DIAMOND



SCAEVOLA SCALORA FANCY



SCAEVOLA SCALORA PEARL



SCAEVOLA SCALORA  
SUNTASTIC

**greggii Mirage™** - Heat and drought tolerant. Excellent in gallon production or mixed containers. Blooms all summer long. Height 14-18". Zones 7-11.

#### Cherry Red

#### Rose Bicolor

**Hummingbird Falls** - Finally, a trailing hanging basket salvia that will delight all! Vivid dark blue flowers with rich dark calyx will bloom all Summer long. Has a unique compact, mushroom habit. Attracts hummingbirds, hence the name! Extreme heat tolerance. Use in 8-10" hanging baskets, containers, garden borders and mass landscape plantings. Height 12-24". Spread 18-36". Zones 7-8.

**Salgoon Lake** - This wonderful fast flowering interspecific Salvia is vigorous with many side shoots and exceptionally long flowering stems. Dark flowers, dark foliage and dark stems add contrasting color with a heavy bloom set. Hummingbirds and bees love them! Nice in your garden and big planters.

**NEW Baikal** - Height 16-20".

**NEW Garda** - Height 14-16".

**NEW Titicaca** - Height 14-18".

## Sanvitalia

(Creeping Zinnia)

Bright, star-shaped flowers with a dark eye. Drought and heat tolerant; low trailing plant for hanging baskets, planters, and ground cover. Height 8-12". Zones 7-10.

**Talya™ Great Yellow** - Large flowers with a mounded habit and medium vigor. Early flowering with excellent all-around performance. Propagation prohibited.

## Scaevola

"Australian Blue Fan Flower"

Lovely large, fan-shaped flowers cover the plants. Foliage has a thick "waxy" texture. Makes an attractive hanging basket and is also good used as a ground cover. Tolerates the summer heat; good in the South. Zones 9-10. Propagation prohibited.

**Pink Blessing** - This beautiful scaevola forms a mound of large pink flowers. Exceptional performance. A compact habit, better suited to pot crops, with medium growth and flower size and early flowering. Height 6-12". Spread 14-18".

**Scalora®** - Vigorous, well-branched plants are loaded with color that is impervious summer heat.

**Brilliant** - early; one of the very best in our trials. Very compact with dark blue flowers. Height 10-15".

**Diamond** - bicolor lilac and white, trailing habit. Height 10-15".

**Fancy** - (formerly *Saphira*) dark blue, big flower cluster. Height 10-15".

**Pearl** - bright white, stable flower color.

**Suntastic®** - the first yellow scaevola! Lemon yellow, compact, trailing. Height 10-15".





**Surdiva®** - Exceptional heat tolerance, easy to grow and maintain. Surdiva features a mounding/semi-trailing habit with strong flowering. Height 6-10". Spread 18-24".

**Blue Violet**

**Pink Classic**

**White Improved**

**Touch™** - From Danziger, this series has a mounding, bushy habit that is perfect for pots, hanging baskets and in the landscape. Excellent heat tolerance.

**Indigo** - dark indigo

**White** - white, early to flower, compact

## Streptocarpus

Lovely as a potted plant, in hanging baskets or combinations. Requires partial shade. Too much heat, cold or drought will affect color. Do not allow to dry down. Masses of dainty, nodding blooms are held on delicate flower stems. This is a dwarf cross, making it easy for growers to produce. Propagation prohibited.

**Ladyslippers®** - Large flower count makes an impressive show. Continuous blooming. Performs best in shade; use indoors or outdoors in pots, baskets or containers. Height 8-10". Spread 10-12".

**Azure** - shades of azure blue with a pink/white throat and darker veins

**NEW Blue Ice**

**Blueberry** - light blue with dark veins and throat

**NEW Cherry Ice**

**Grape Ice** - purple and white bicolor

**NEW Strawberry Ice**

**Yellow Pink Cap** - frilly blooms, pink upper petal with yellow lower petal

## Sunpatiens®

Sunpatiens look like New Guineas but are bred for full sun and summer heat. Proven at 105°F, these are also suited to full shade. Vigorous, fast growing, and free flowering, these plants are perfect for large containers and landscape beds. It's recommended to acclimate them to full sun prior to planting to avoid burned flowers. Breeder tags provided. Propagation prohibited.

**Compact Group** - Attention: Although "compact", these are still vigorous and fast-growing compared to New Guineas. They are about 2 weeks later than the Vigorous group to reach full size. Height 16-30". Spread 14-24".

**Blush Pink**

**Classic White**

**Coral Pink** - replaces Coral

**Deep Red**

**Deep Rose** - dark foliage, rose pink flower

**Electric Orange**

**Hot Coral**

**Hot Pink** - replacing Neon Pink

**Lavender Splash**

**Lilac**

**Orchid Blush**

**Purple**

**Purple Candy**

**Red**

**NEW Red Candy**

**Rose Glow**

**Tropical Rose** - deeply variegated foliage with iridescent rose blooms

**Vigorous Group** - Vigorous, mounding habit makes this series ideal for giant landscape impact. Also suitable for Northern growers since the plants get moving faster than the "compact" selections. Height 18-34". Spread 16-24". Note: some of this group was formerly named "spreading".

**Clear White** - with solid green leaves

**Corona** - iridescent coral, solid green leaf



SCAEVOLA SURDIVA  
BLUE VIOLET



SCAEVOLA SURDIVA  
PINK CLASSIC



SCAEVOLA SURDIVA  
WHITE IMPROVED



SCAEVOLA TOUCH INDIGO



SCAEVOLA WHITE TOUCH



LADYSLIPPERS AZURE



LADYSLIPPERS BLUE ICE



LADYSLIPPERS CHERRY ICE





LADYSLIPPERS STRAWBERRY ICE



LADYSLIPPERS BLUEBERRY



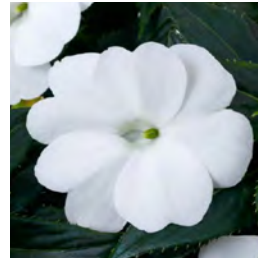
LADYSLIPPERS GRAPE ICE



LADYSLIPPERS  
YELLOW PINK CAP



SUNPATIENS COMPACT  
BLUSH PINK



COMPACT CLASSIC WHITE



COMPACT CORAL PINK



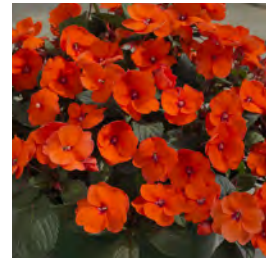
COMPACT DEEP RED



COMPACT DEEP ROSE



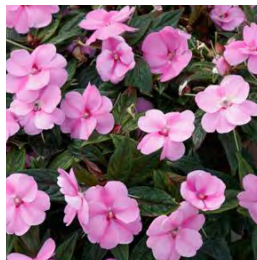
COMPACT ELECTRIC ORANGE



COMPACT HOT CORAL



COMPACT HOT PINK



COMPACT LAVENDER SPLASH



COMPACT LILAC



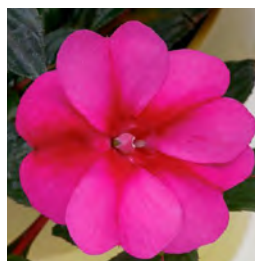
COMPACT ORCHID BLUSH



COMPACT PURPLE



COMPACT RED CANDY



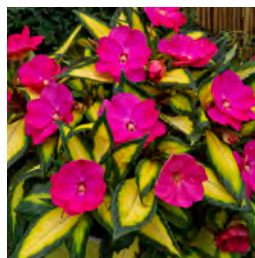
COMPACT PURPLE CANDY



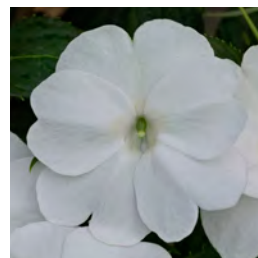
COMPACT RED



COMPACT ROSE GLOW



COMPACT TROPICAL ROSE



VIGOROUS CLEAR WHITE



VIGOROUS CORONA



**Lavender Splash****Orange****Orchid****Peach Candy****Pink Kiss** - pink bloom with red spot, green leaves**Pretty Pink****Red****Rose Pink****Sweetheart White****Tropical Orange** - variegated leaf**Tropical Salmon** - variegated leaf**Tropical White** - variegated leaf

## Thunbergia

Thunbergia is a lovely addition to baskets and containers, with its trailing, vining habit and bright blossoms. Height 12" without support. Propagation prohibited.

**NEW Arizona Brownie** - Red/orange with black eye.

**Lemon** - Bright yellow with dark eye.

**Orange Diverse** - Red ring on orange petals with dark eye.

**Sunny Susy®** - This vigorous vine produces brightly colored flowers all summer.

**Amber Stripe** - red/orange with striped yellow edges

**Glow** - red-orange with dark eye

**New Orange** - orange with dark eye

**Pink Beauty** - soft pink with dark eye

**Red Orange** - red-orange with dark eye

**Rose Sensation** - rose with deep eye

**Terracotta** - bronze-orange with deep eye

**White Halo** - white with deep eye

## Torenia

Huge, densely branched plant, gracefully cascading. Shiny leaves dotted with "wishbone" flowers make a great addition to spring finished programs in 4" or larger pots. Heat tolerant as long as it's kept well watered; also hardy to 28°F. Propagation prohibited.

**Moon™** - Semi-trailing habit. Partial shade. Early to medium flowering.

**Blue** - dark blue flowers

**Magenta** - magenta & gold bicolor

**Purple** - violet-blue, late flowering by 1 month

**White** - small white

**Yellow** - yellow trumpet with purple throat

**Summer Wave® Trailing Large Blue** - Blue and purple bicolor. A torenia for the sun or shade! Summer Wave exhibits medium earliness, mounded, trailing habit and medium vigor. They will spread up to 36" making them a great choice for hanging baskets, containers or window boxes. Height 10".

## Verbena

Very popular, heat tolerant plants produce vivid blooms. Good in baskets, pots, tubs, and landscapes. Perennial in some parts of the south. Avoid wet foliage to help prevent powdery mildew. Hardy zones 8-10. Propagation prohibited.

**Empress®** - This series has broad leaves and extra-large, showy flowers on vigorous hanging plants. Great in the landscape, in gallon pots, hanging baskets and containers. Heat, humidity and mildew tolerant. Height 6-8". Spread 12-14".

**Flair Burgundy Star**

**Sun Pink**

**Sun Red**

**Sun Violet**

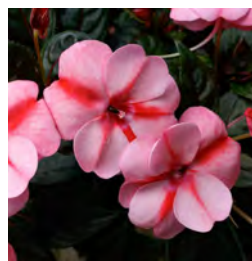
**Sun White 2024**

VIGOROUS LAVENDER  
SPLASH

VIGOROUS ORANGE



VIGOROUS ORCHID



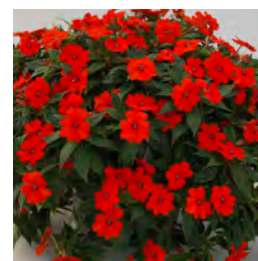
VIGOROUS PEACH CANDY



VIGOROUS PINK KISS



VIGOROUS PRETTY PINK



VIGOROUS RED



VIGOROUS ROSE PINK

VIGOROUS SWEETHEART  
WHITE

VIGOROUS TROPICAL ORANGE





VIGOROUS TROPICAL  
SALMON



VIGOROUS TROPICAL WHITE



THUNBERGIA ARIZONA BROWNIE



THUNBERGIA LEMON



THUNBERGIA  
ORANGE DIVERSE



THUNBERGIA SUNNY  
SUSY AMBER STRIPE



THUNBERGIA SUNNY  
SUSY GLOW



THUNBERGIA SUNNY  
SUSY NEW ORANGE



THUNBERGIA SUNNY  
SUSY PINK BEAUTY



THUNBERGIA SUNNY  
SUSY RED ORANGE



THUNBERGIA SUNNY SUSY ROSE SENSATION



THUNBERGIA SUNNY  
SUSY TERRACOTTA



THUNBERGIA SUNNY  
SUSY WHITE HALO



TORENIA MOON BLUE



TORENIA MOON MAGENTA



TORENIA MOON PURPLE



TORENIA MOON WHITE



TORENIA MOON YELLOW



TORENIA SUMMER WAVE TRAILING LARGE BLUE



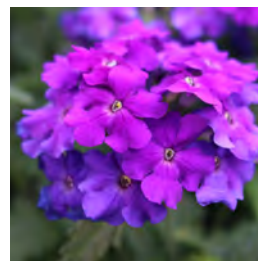
VERBENA EMPRESS FLAIR  
BURGUNDY STAR



EMPRESS SUN PINK



EMPRESS SUN RED



EMPRESS SUN VIOLET



EMPRESS SUN WHITE 2024



**Estrella®** - A broadleaf verbena, selected especially for its improved mildew resistance. Compact, mounding habit, large flower cluster. Early to bloom.

- Blueberry** - blue-violet
- Dark Purple** - dark purple, reddish center
- Lobsterfest** - shades of coral, reddish orange with small flecks which look like water. Hence the name "Lobsterfest".
- Merlot** - burgundy-wine
- Peach** - orange-peach
- Pink** - solid pink
- Red**
- White** - pure white

**Homestead Purple** - The hardiest verbena and a tried-and-true variety. Deep purple flowers. Zone 7.

**Hurricane™ Red** - Very early to bloom with a semi-trailing/semi-up-right habit. Good branching, medium vigor.

**Vanessa™ Compact** - A sub-series of Vanessa that has a more mounded, naturally controlled habit while exhibiting the same powdery mildew resistance and heat/cold tolerance as its larger counterpart. Better suited to quarts or combos. Height 6-8". Spread 8-10".

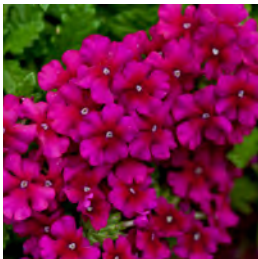
- Bicolor Purple**
- Bicolor Rose**
- Deep Pink**
- Lime**
- Neon Pink**
- Red**
- Rosa**
- Violet**
- White**



VERBENA VANESSA  
STANDARD MAGENTA



ESTRELLA BLUEBERRY



ESTRELLA DARK PURPLE



ESTRELLA LOBSTERFEST



ESTRELLA MERLOT



ESTRELLA PEACH



ESTRELLA PINK



ESTRELLA RED



ESTRELLA WHITE



HOMESTEAD PURPLE



HURRICANE RED



VANESSA COMPACT BICOLOR ROSE



VANESSA COMPACT  
BICOLOR PURPLE



VANESSA COMPACT  
DEEP PINK



VANESSA COMPACT LIME





VANESSA COMPACT  
NEON PINK



VANESSA COMPACT RED



VANESSA COMPACT ROSA



VANESSA COMPACT VIOLET



VANESSA COMPACT WHITE



VANESSA STANDARD  
BICOLOR INDIGO



VANESSA STANDARD  
BICOLOR PINK



VANESSA STANDARD  
DARK PINK



VANESSA OPTIK GRAPE



VANESSA STANDARD PURPLE



VANESSA STANDARD RED



VANESSA STANDARD WHITE



VOODOO LAVENDER STAR



VOODOO PINK STAR



VOODOO RED STAR



VOODOO SALMON STAR

**Vanessa™ Standard** - Developed and selected for powdery mildew resistance and consistency of flowering. Both heat and cold tolerant with excellent branching and broad, dark green leaves. Suitable for pots and hanging baskets. Height 10-12". Spread 12-14".

**Bicolor Indigo**

**Bicolor Pink**

**Dark Pink**

**NEW Magenta**

**Optik Grape**

**Purple**

**Red**

**White**

**Voodoo™** - A broadleaf verbena, selected especially for its improved mildew resistance. Compact, mounding habit, large flower cluster. Early to bloom.

**Lavender Star** - lavender with white star

**Pink Star** - hot pink with white star

**Red Star** - red with vivid peachy-white star

**Salmon Star** - salmon and cream bicolor, may revert to solid peach







# FOLIAGE

FOLIAGE / FERNS / GRASS / SUCCULENTS



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CENTAUREA

## Chrome Fountain

A heat-loving and drought tolerant accent plant with beautiful silvery-white foliage. Its gracefully arching habit makes it a great addition to summer combos.

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ALOE

## Pink Blush

This small clumping succulent is characterized by its fleshy, textured leaves that come in a combination of spotted green and pink shades with toothy edges.



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SENECIO

## String of Bananas

Curved blue-green leaves that resemble bananas make this a unique and fun variety. Its vigorous trailing habit creates an eye-catching display in pots and baskets.

NEW THIS year





# FOLIAGE

## Alpinia zerumbet 🌞☁️

**Shell Ginger Variegated** - Leafy arching stems create a lush, tropical effect with boldly striped yellow and green leaves. It has a clump forming fast growing habit. Produces white flowers that are sweetly fragrant. Use as a houseplant, in containers or use as a border in landscapes. An herbaceous perennial in zones 8-11. In southern areas, they will reach 7-10' tall outside. Greenhouse height 4-8'. Indoor height 3-4'. Spread 4-5'.

## Alternanthera 🌞☁️

A nice texture plant with slightly "crinkly" foliage. Use in mixed planters. Plants are compact and bushy, providing excellent shelf life for the retailer and consumer. Propagation prohibited.

**Brazilian Red Hot** - Bright multi-colored leaves. Upright habit. Height 15-18".

**Little Ruby** - Soft, thick, ruby leaves. Greener under low light. Well branching, upright habit. Height 10-12".

**Red Thread** - Very narrow red leaf. Height 10-12".

## Artemisia 🌞

**Makana™ Silver** - The soft, billowy silver foliage adds texture to mixed containers. Use as an accent or in the garden. Plant in well drained soil for best results. Deer resistant. Height 24". Spread 36". Not hardy.

**Sea Salt** - A beautiful display of soft, velvety silver gray leaves. Provides a wonderful accent to other flowering plants. Use in combinations, landscapes or outside perennial gardens. Loves hot and dry conditions. Height 6-10". Zone 5. Propagation prohibited.

**SunFern™ Olympia** - A novel variety with fern-like leaf textures in a dark green color with red stems. Perfect as an accent plant in mixed containers or in the landscape as a groundcover. Thrives in full sun but will tolerate up to 1/2 a day of shade. Plants are non-invasive. This herbaceous perennial is low maintenance and drought tolerant. Height 16-18". Spread 14-18". Zone 4. Propagation prohibited.

## Calathea 🌞☁️

Commonly known as "Prayer Plant" from the Marantaceae family. The leaves will dramatically fold up during the nighttime hours and open again in the morning. Good exposure to bright indirect morning sunlight will help enhance this feature. A popular house plant. Also does great outside in tropical settings. Zones 11-12. Height 12-36". Spread 12-36".

**NEW Dottie** - Rich green/purple leaves are variegated with hot pink bands.

**NEW Red Rosey** - Oval shaped leaves with dark green edging, and a rosey/pink center.

**Zebrina** - Striped leaves, the base is a nearly black shade of purple, the stripes are bright green. Stems are also green.



ALPINIA ZERUMBET SHELL GINGER VARIEGATED

ALTERNANTHERA  
BRAZILIAN RED HOTALTERNANTHERA  
LITTLE RUBYALTERNANTHERA  
RED THREAD

ARTEMISIA MAKANA SILVER



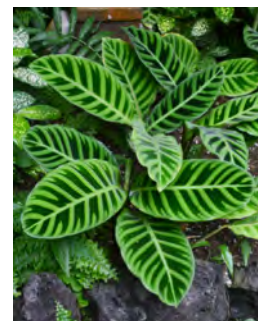
ARTEMISIA SEA SALT



CALATHEA DOTTIE



CALATHEA RED ROSEY

ARTEMISIA SUNFERN  
OLYMPIA

CALATHEA ZEBRINA





CENTAUREA CHROME FOUNTAIN



CHLOROPHYTUM  
GREEN EDGE



CHLOROPHYTUM  
WHITE EDGE

## Centaurea

**NEW Chrome Fountain** - A heat loving and drought tolerant plant with silvery-white upright, arching foliage. Perfect for summer programs. Use in combos or hanging baskets as a "thriller". Height 12-18".

## Chlorophytum

"Spider Plant"

**Green Edge** - (formerly *Variegatum*) Long, slender, graceful leaves curve from central rosettes and have a central white stripe. Popular as a hanging basket and lovely in a shady planter.

**White Edge** - (formerly *Ocean*) A beautiful spider plant with long green-white striped leaves. A great indoor plant. Fast growing and easy to care for. Produces delicate white blossoms. Height up to 2'.

## Colocasia

**Royal Hawaiian® Collection** - Plant Haven selections. This sensational collection comes from an internationally acclaimed breeder who has achieved outstanding success with his line of Colocasia. This series is unlike any other variety on today's market. Bred to be disease resistant, sturdy garden performers with fabulous foliage and stem interest. (Definition of 'piko'- where stem attaches to the leaf.) Refer to our Cultural Guide for growing information. Propagation prohibited.

**Aloha** - Elegant glossy dark foliage with light green veins. Performs well in full sun. Forms a tidy clump. Height 36". Spread 36".

**Black Coral** - Elegant, glossy dark foliage with electric blue veins. Height 48".

**Blue Hawaii** - Large green leaves with prominent bluish-purple veins, an undulating bluish-purple margin, matte finish and semi-glossy dark burgundy stems. Height 48".

**Diamond Head** - A combination of large, dark purple to black leaves with a spectacular glossy finish, small circular-shaped dark burgundy colored 'piko' and semi-glossy burgundy colored stems. Height 48-60".

**Hawaiian Punch** - Striking red veins contrast with tropical green leaves which are edged in red with reddish undersides. Strong red stems. Height 36" at maturity.

**Kona Coffee** - Glossy, slightly cupped, dark chocolate-mahogany foliage held on dark stems. Outstanding container plant, only 30" tall.

**Maui Gold** - Chartreuse foliage held on ivory white stems. Striking contrast when paired with Black Coral. Height 48".

**Maui Sunrise** - Glossy, dark green foliage has striking white markings and veins down the center of each leaf. A tidy clump forming habit with strong stems. Best used in containers, borders and landscapes. Also ideal for smaller containers. Height 24-36". Spread 24-36". Zones 7b-11.

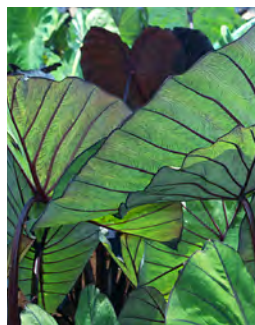
**Tropical Storm** - A dwarf selection exhibiting dark foliage with bold, white central markings. Great multiple clumping habit, superior for premium pots and mixed containers. Note: white markings appear after 5<sup>th</sup>-6<sup>th</sup> leaf in the plant's structure. Height 24". Zone 7b.



COLOCASIA ALOHA



COLOCASIA BLACK CORAL



COLOCASIA BLUE HAWAII



COLOCASIA DIAMOND HEAD



COLOCASIA HAWAIIAN  
PUNCH



COLOCASIA KONA COFFEE



COLOCASIA MAUI GOLD



COLOCASIA MAUI SUNRISE



COLOCASIA  
TROPICAL STORM





**Waikiki** - AAS Winner. A stunning colocasia that displays deep green glossy foliage with striking white markings and vivid pink veins. Ideal for containers, borders, gardens and landscapes. Height 30-36". Spread 30-36". Zones 7b-11.

## Cordyline

A dramatic and popular alternative to traditional dracaena spikes. Beautiful colors deepen in full sun. Excellent as a stand-alone or as the centerpiece of mixed containers. Cordyline is a slow grower so allow plenty of time to obtain size. Propagation prohibited.

**Can Can** - Soft architectural form has strappy foliage, arching on the outer edge, that is a striking, bright variegation of pink on red, maturing to a complimentary mix of cream on green. Clump forming habit approx 6' high by 5' wide.

**Design-a-Line™ Burgundy** - Deep burgundy weeping foliage forms a clump about 3' high by 3' wide. In summer, it will produce flowers which are fragrant. Tough and elegant, deer resistant.

**Paso Doble** - Strong, upright trunking habit with broad, strappy leaves. Deep burgundy in color with wide pink margins. Height may reach up to 10 feet over several seasons.

**Red Sensation** - Bronze-red. Height 36".



COLOCASIA WAIKIKI



CORDYLINE CAN CAN



CORDYLINE DESIGN-A-LINE BURGUNDY



CORDYLINE PASO DOBLE



CORDYLINE RED SENSATION

## Didelta

**Silver Strand** - A velvety, silver colored foliage that is perfect for hanging baskets or container gardens. It is a subshrub spreading succulent that is semi-trailing. Excellent heat and drought tolerance. Used in landscapes or gardens. Deer resistant. Height 6-8".

## Dieffenbachia

**Camilla** - "Dumb Cane" - An upright, spreading plant with large oval leaves with dark green edges, fading to white centers. This herbaceous plant makes a good house plant, and the pot size will determine its height and spread. Keep in bright or indirect sunlight, or use artificial lighting. NOTE: Parts of this plant are known to be toxic to people and pets. Height up to 36". Spread 24".



DIDELTA SILVER STRAND



DIEFFENBACHIA CAMILLA

## Duranta

Fast growing and good branching. Upright habit. Beautiful component for mixed containers.

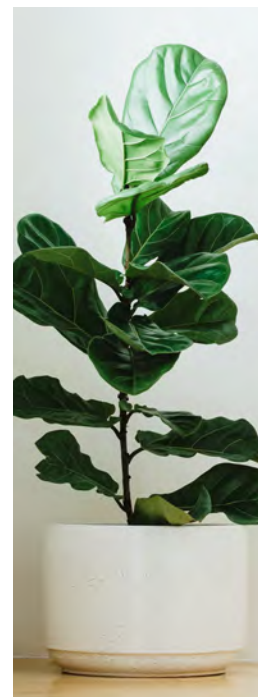
**Cuban Gold** - Gold foliage with purple/blue flowers. Excellent heat and drought tolerance. Great for patio containers and landscapes and will last all summer long. You can use them in 4" pots up to 10-12" containers. Do not let the plants wilt; keep evenly moist. Height up to 2' tall and 2' wide.



DURANTA CUBAN GOLD



FICUS ELASTICA ROBUSTA



FICUS LYRATA

## Eupatorium

**Elegant Feathers** - A great accent plant with very fine, soft, bright green leaves and small white flowers. Its foliage turns reddish in the fall. With an extremely tall and narrow habit, this upright herbaceous plant reaches 6' tall and 3' wide. Not invasive!



EUPATORIUM ELEGANT FEATHERS





GERMAN IVY GREEN



GLECHOMA HEDERACEA



HEDERA ASTERISK



HEDERA GLACIER



HEDERA GOLD CHILD



HEDERA GOLDEN INGOT



HEDERA GRUNPFEIL



HEDERA LUZII



HEDERA NEEDLEPOINT



HEDERA YELLOW RIPPLE



HEDERA TEARDROP

## Ficus

**elastica Robusta** - "Rubber Plant" - Shiny, glossy dark green leathery foliage serves as an attractive houseplant, but can also be grown outside in frost free areas. More robust and hardy than most. Indoor height is typically 1-6'.

**lyrata** - "Fiddle Leaf Fig" - Glossy bright green with light green veining. Leaves are variable in shape, often the top is broader with a narrow middle, resembling a fiddle. This popular ornamental tree makes a beautiful houseplant, but does not like to be moved from a spot where it is thriving. Can be set outside during warm periods, hardy to 55°F. Grows up to 10' making it perfect for high ceilings.

## German Ivy

**Green** - Lush, easy care plant for a fresh accent or as a hanging basket. Trim to keep it from taking over when used in combination plantings. Leaf similar to English Ivy, but soft, not hardy. Annual.

## Glechoma

**hederacea** - Gray-green and white variegated, rounded leaves. Very trailing. Excellent as a component plant, hanging basket, or ground cover. Adaptable to full sun, part shade, or full shade. Also a hardy perennial to Zone 5.

## Hedera

**"English Ivy"** - This hardy accent plant makes a great addition to mixed planters or baskets. Can also be grown as a foliage basket for winter indoor use. Does okay in low light. Feed lightly.

**Asterisk** - Decorative, 5 to 7-lobed, olive green leaves. Height 8-10". Zones 4-10.

**Glacier** - Gray-green with white variegation. Zones 6-11.

**Gold Child** - Gray-green with creamy-gold variegation. A popular hedera choice. Height 6-12". Spread 2-3'. Zones 4-10.

**Golden Ingot** - Small, triangular leaves are dark olive green with light yellow speckling. Height 6-8". Zones 5-9.

**Grunpfeil** - Teardrop-shaped leaves are gray-green with silver-green veination. Reddish stems add interest. Stunning selection with excellent hardiness. Height 8-10". Zones 5-10.

**Luzii** - Irregular leaf patterns in a heavily mottled yellow-green color. An all-season performer with a compact, trailing habit that will climb if supported. Best suited for 4-6" pots for indoor use, or in baskets, containers and in the garden. Indoor height 8-10". Outdoor height up to 40". Spread 20". Zone 4.

**Needlepoint** - Green sharply-pointed leaves. Zones 6-11.

**Teardrop** - Pointy teardrop-shaped leaves are glossy dark green. Strong compact plants. Height 8-10". Zones 5-10.

**NEW Yellow Ripple** - Showy, yellow-green leaves have 3-5 points each, and are perfect for partly sunny and shaded areas. Can be used as a ground cover or over walls and hills for a cascading effect. Also great as a "spiller" in baskets. Height 3-6". Can grow up to 30' long. Zones 5-9.





## Helichrysum

*"Licorice"*

Beautiful accent plants add texture and contrast to mixed planters, baskets, and window boxes. Full sun. Can be grown cool when established.

**Licorice Icicles** - Features long thin silvery leaves like little "icicles". More upright than the traditional licorice plant.

**Licorice Petite** - Companion to the popular Licorice plant with tiny, oval silver-dusted leaves.

**Licorice Silver** - Very popular, trailing accent plant with small, oval silver-dusted leaves. Vigorous and spreading. The "original" Licorice plant.

**Limelight** - Features golden, fuzzy leaves. Vigorous and moderately drought tolerant once established.

**Silver Star** - Arching stems with small leaves gives a delicate, silver lining to mixed containers and hanging baskets. Propagation prohibited.

## Homalocladium

**NEW Ribbons and Curls** - An easy to grow variety with flat, smooth, ribbon-like leaves with smaller leaves attached. Grows fast into a tall bush of ribbons. Plants will produce white flowers with red fruits along the branches in late fall. Height 48-60".

## Ipomea

*"Sweet Potato Vine"*

Lovely vining accent plants make incredible fillers in planters, window boxes, and hanging baskets. Full sun to light shade. Likes high temperatures. Perennial in Zones 8-10.

**Ace of Spades** - Leaves are spade shaped, dark burgundy/black.

**Blackie** - Deeply serrated leaves are dark burgundy/black.



HOMALOCLADIUM  
RIBBONS AND CURLS



HELICHRYSUM  
LICORICE ICICLES



HELICHRYSUM  
LICORICE PETITE



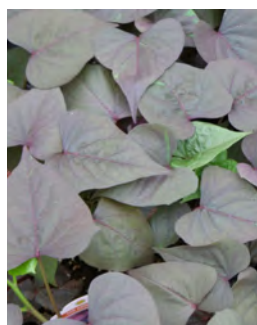
HELICHRYSUM SILVER STAR



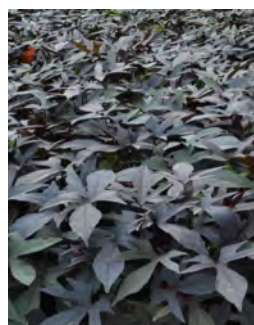
HELICHRYSUM  
LICORICE SILVER



HELICHRYSUM LIMELIGHT



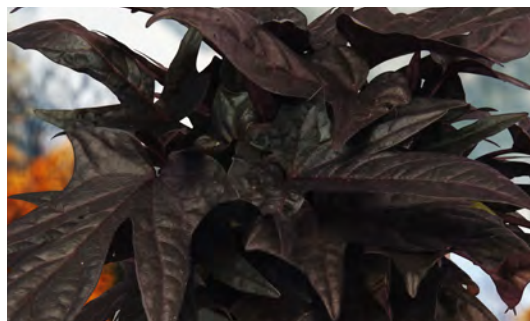
IPOMEA ACE OF SPADES



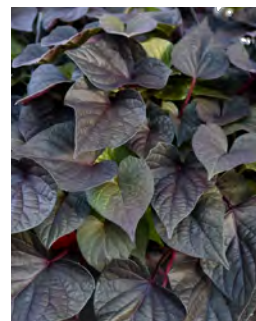
IPOMEA BLACKIE



IPOMEA COMPACT MARGIE



IPOMEA FLORAMIA BLACK



IPOMEA FLORAMIA CAMEO



IPOMEA FLORAMIA LIMON



IPOMEA FLORAMIA LIMON WEDGE





IPOMEA FLORAMIA ROSSO



IPOMEA FLORAMIA VERDINO



IPOMEA KELLY RAY



IPOMEA TRICOLOR



IPOMEA MARGUERITE



IRESINE VARIEGATED HEART



IRESINE RED HEART



LAMIASTRUM VARIEGATUM



LAMIUM ANNE GREENAWAY



LAMIUM BEACON SILVER



LAMIUM ORCHID FROST



LAMIUM WHITE NANCY

**Compact Margie** - Bright chartreuse foliage on compact plants. Does not overtake mixed containers. Propagation prohibited.

**Floramia** - Exceptional garden performance sets this series apart. Heat loving with mounding habit and medium vigor, perfect for outdoor plantings, hanging baskets or combinations. Propagation prohibited.

**Black** - deeply serrated black leaves.

**Cameo** - shades of olive green, dark green, and black

**Limon** - Lime green full, mounding habit. Deeply lobed leaves.

**Limon Wedge** - Lime green wedge-shaped leaves.

**Rosso** - Shades of bronze and red, spade-shaped leaves.

**Verdino** - Shades of lime and burgundy with deeply serrated leaves.

**Kelly Ray** - A vigorous trailing vine with striking marbled purple/black and lime green foliage. Use in containers, hanging baskets, window boxes, or as a unique spreading groundcover. Height 6-10". Spread 20-36". Zone 10. Propagation prohibited.

**Marguerite** - Lime-green, heart-shaped leaves.

**Tricolor** - Oak-leaf shaped leaves are green with pink and white markings towards the outer edges and tips.

## Iresine

Colorful structure plant with upright habit. Best with partial shade. Height 12-18". Good heat tolerance.

**Red Heart** - Heart-shaped leaves add interest. Crimson with red veins.

**Variegated Heart** - Green and yellow heart-shaped leaves.

## Lamium

**variegatum** - Silver spotted with yellow flowers in spring. Makes attractive ground cover or accents in containers. Height 12". Spread 18-24". Zones 4-8.

## Lamium

A vigorous plant used to fill in mixed containers, baskets, or window boxes. Good as a ground cover, too. Likes bright light and partial shade. Good in 4-10" pots. Hardy perennial - Zones 3-8.

**Anne Greenaway** - Tricolor green, silver, and chartreuse leaves with small lavender flowers. Height 8". Spread 18".

**Beacon Silver** - Pink flowers. Height 6-12".

**Orchid Frost**™ - Silver foliage with small lavender flowers. Its trailing habit is great in mixed containers. Height 6-12". Spread 24".

**White Nancy** - White flowers. Height 6-12".





## Lysimachia

"Creeping Jenny"

Considered invasive in some areas - check with your local Agricultural Department.

**nummularia Karat** - Greenish-gold leaves will turn bright yellow in full sun. Trails 24".

**Sunburst** - Dark green leaves marked with red veins and stems. A very vigorous plant with large leaves that trail straight down, making it a great "spiller" in baskets. Can also be used in gardens or landscapes. Produces yellow flowers mid to late summer. Height 2-4". Trails 36-40". Not invasive.

## Monstera

**Deliciosa Liebman** - Often called the "Swiss Cheese Plant", this is one of the most popular house plants on the market. A climbing vine with glossy dark green foliage, it is most noted for its large perforated leaves atop thick plant stems. If grown with insufficient light, most leaves will be solid without the splits. Height 8' grown indoors.

## Muehlenbeckia

**complexa** - Also known as "Wire Vine". A unique component plant with dense, wire-like stems, perfect for combinations. Fast growing, it can trail or climb up supports, creating a soft effect. Also suitable in rock gardens, coastal landscapes, topiaries and other ground cover applications. Height 8".

## Musa

"Banana"

**Basjoo** - The hardiest of all the musas, and still a huge tropical tree. Striking as a centerpiece or a backdrop. Height 12-18'. Full sun. Zones 4-11.

**NEW Dwarf Cavendish** - A short version of Musa. The young leaves may have maroon or purple blotches that will quickly disappear as they mature. They need a warm space to grow, ideally 64-80°F. If grown cool, below 50°F, the leaves will get "mushy". Height 6-9'. Zones 9-11.



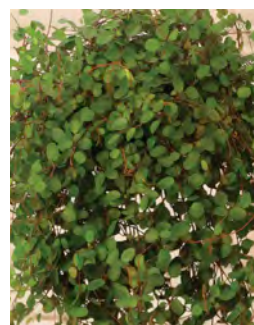
MONSTERA DELICIOSA LIEBMAN



LYSIMACHIA  
NUMMULARIA KARAT



LYSIMACHIA SUNBURST



MUEHLENBECKIA COMPLEXA



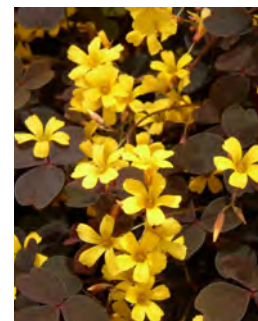
MUSA BASJOO



MUSA EVER RED



MUSA ENSETE MAURELI



OXALIS BURGUNDY



MUSA DWARF  
CAVENDISH



PEPEROMIA HAPPY BEAN



PEPEROMIA OBTUSIFOLIA JADE





PEPEROMIA OBTUSIFOLIA  
MARBLE



PEPEROMIA OBTUSIFOLIA  
VARIEGATA



PEPEROMIA RAISINET



PERILLA TRICOLOR



PHILODENDRON HYBRIDA  
IMPERIAL RED



PHILODENDRON MINIMA



PILEA MOONVALLEY



PILEA PEPEROMIODES



PILEA SILVER TREE

**Ensete Maurelii** - "Red Abyssinian Banana" - An outstanding ornamental banana. Growing to 10' tall in temperate climates. Each leaf can reach gigantic proportions of 10' long. The most ornamental characteristic is that the foliage is flushed with burgundy, especially concentrated as the new growth emerges. The higher the light levels, the stronger the coloration. Please note: after forming a magnificent flower, they die. They do not produce bananas. Full sun to part shade Zones 8-10.

**NEW Ever Red** - A remarkable banana plant renowned for its cold-hardiness and captivating maroon foliage. With its ability to withstand cooler temperatures, this variety can reach impressive heights of 9' and widths of 6', making it a striking addition to any landscape or garden design.

## Oxalis

**Burgundy** - Compact, standing burgundy foliage with small yellow flowers. Interesting component plant for mixed containers. Height 8". Spread 12".

## Peperomia

Peperomia is a tropical plant that comes in many shapes, sizes, textures and colors. Best suited as house plants or tender perennials. Keep out of direct sunlight for best growing results. Zones 10-12.

**Happy Bean** - Long, slender bean-like lime green leaves. Height 6-8".

**NEW obtusifolia Jade** - "Baby Rubber Plant" - The spoon-shaped, fleshy, succulent-like leaves are dark green and glossy. Upright, mounding habit is ideal for pots or hanging baskets. Loves indirect sun. Height up to 12".

**obtusifolia Marble** - Thick, glossy variegated rounded green leaves with yellow marbling. Has an upright, mounding habit that is great for pots or hanging baskets. Height 6-12".

**NEW obtusifolia variegata** - "Baby Rubber Plant" - Shiny, cupped leaves with marbling variegations sit on an upright habit. Leaves will scorch in direct sunlight. Too little light will cause this plant to lose its variegations. Height 6-12".

**NEW Raisinet** - An outstanding variety, with heart shaped red/burgundy leaves that have deep puckering ripples. Mounded habit. Height 12". Spread 12".

## Perilla

**Tricolor** - A coleus "look-alike" that performs in heat and full sun. Striking, either alone or in containers. Light green new foliage quickly matures to deep burgundy with bright pink centers. Height 2-3'.

## Philodendron

A tropical plant, Philodendron has many species, shapes and sizes. Textures of the leaves will vary considerably depending on the maturity of the plants and varieties. Some are upright, some are vining. Zones 9-10.

**hybrida Imperial Red** - Upright plant with bright green and red oval shaped leaves spaced very close together on a single stem. Can reach up to 36" tall with an equal spread.

**Minima** - This vining plant starts out with small glossy green leaves that mature into gorgeous large leaves with deep splits. An easy care addition to your home. An air purifying plant. Height 6-12'.

## Pilea

Easy to grow, tropical house plants with unique leaves that are often variegated and highly textured. Wonderful in hanging baskets, planters, or as stand alones for your kitchen table and plant stand. Also great as accent plants.

**Moonvalley** - Looks like the craters and valleys on the moon. An upright, mounding plant with saw-toothed edges, chartreuse leaves and deep texturing. Height 12-18".

**peperomioides** - "Chinese Money Plant" - Flat round coin shaped leaves are green with a light green or white dot where they connect to the dainty stems. Looks like a lily pad. Height 12".

**Silver Tree** - Small long oval leaves. Bronze with metallic silver center. Upright, bushy habit. Height 6-8".





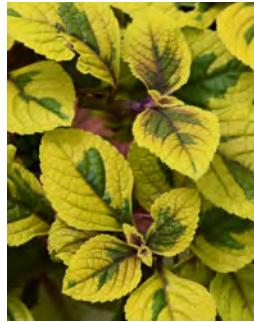
## Plectranthus

Attractive accent plant, useful in combination planters and window boxes, or as an indoor foliage plant. Height 3'. Spread 3'.

**Guacamole** - A striking blend of yellow and avocado green foliage on deep red stems. A medium vigor plant with a well branched spreading habit. Can be used as an accent plant or a stand alone in planters, hanging baskets, or in-ground plantings. Height 8-10". Spread 12-18".

**Purple** - "Swedish Ivy" - Green with purple underside.

**Variegated** - "coleoides" - For full sun and outdoor growing. Fuzzy, pretty green leaves with cream variegation. Slower grower.



PLECTRANTHUS  
GUACAMOLE



PLECTRANTHUS PURPLE



PLECTRANTHUS VARIEGATED

## Pothos

This trailing vine has heart shaped leaves and sometimes has a white and creamy variegation. It is very vigorous and will just keep on growing! Indoor spread 6-10'. Outdoor spread up to 40'.

**Hawaiian** - Glossy green, sometimes with cream and yellow variegation

**Marble Queen** - Attractive white and green variegated pattern. More light will maintain its unique coloring.



POTHOS HAWAIIAN



POTHOS MARBLE QUEEN



RHOEO TRICOLOR

## Rhoeo

**Tricolor** - "Moses in the Cradle" - A dwarf, spreading plant with purple undersides and green, white, and purple variegated uppersides. Showy in hanging baskets or mixed containers as well as indoor plants. Part sun - part shade. Extremely drought tolerant and useful as a ground cover. Height 6-8".

## Scindapsus

**NEW pictus exotica** - "Satin Pothos" - Slow growing but worth the wait! Thick, dark foliage with shimmering silver variegation, creates a vining habit that makes a great houseplant. Will produce flowers, but is uncommon when grown inside. Note: toxic to pets. Height indoors 36". Height outside 120". Zones 10-12.

## Senecio

**candicans Angel Wings** - A sensational, rounded plant with large, broad, toothy, silvery white, velvety leaves. Use to create a bold backdrop to green-leaved plants and colorful flowering perennials. Great for borders, rock gardens, succulent gardens, and containers. Good sun and drought tolerance. A frost-tender perennial; overwinter indoors or treat as an annual in cold winter regions. Height 10-16". Propagation prohibited.



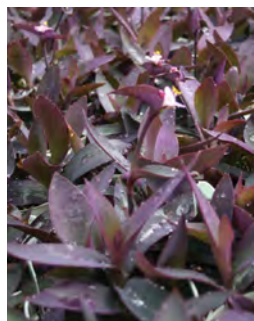
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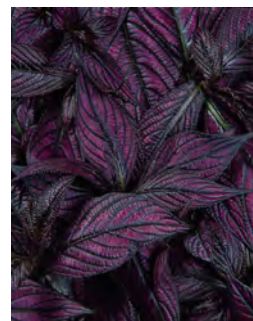
SENECIO CANDICANS  
ANGEL WINGS



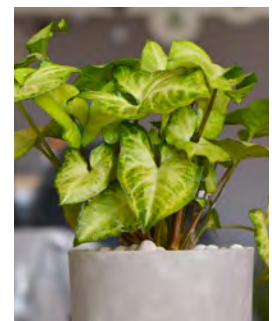
SETCREASEA PURPUREA  
PINK STRIPE



SETCREASEA PURPUREA  
PURPLE QUEEN



STROBILANTHES  
PERSIAN SHIELD



SYNGONIUM GOLDEN  
ALLUSION





TRADESCANTIA NANOUK



SYNGONIUM ROBUSTA NEON



TRADESCANTIA  
PISTACHIO WHITE



TRADESCANTIA PURPLE



TRADESCANTIA TAHITIAN  
BRIDAL VEIL



TRADESCANTIA ZEBRINA BORDEAUX



VINCA MAJOR MACULATA



VINCA MAJOR VARIEGATED



VINCA MINOR ILLUMINATION

## Setcreasea purpurea 🌞

A relative of Tradescantia, with large fleshy leaves and purple stems. An attractive accent plant, it is easy to grow, easy to maintain, and drought tolerant. Avoid over watering. Full sun.

**Pink Stripe** - Leaves of deep purple and pink stripes. Height 8-12". Spread 6-10".

**Purple Queen** - Dark purply foliage. Bears small pale pink flowers. Height 12-18".

## Strobilanthes 🌞 | ☁️

**Persian Shield** - Dark green variegated leaves with metallic purple on top, all purple on underside. A showy foliage plant for bedding or mixed containers. Height 3-4'. Spread 2-3'.

## Syngonium ☁️

Also known as "Arrowhead Vine". Syngonium is a versatile plant that can be used as a house plant, an outdoor vine or as a terrarium plant. Size and growth depends on environment. Height 8-12". Width 6-12".

**Golden Allusion** - Brilliant almost iridescent golden yellow shading to white centers with pink/red veins.

**Robusta Neon** - Large arrow-head like beautiful pink leaves.

## Tradescantia 🌞 | ☁️

Formerly known as "Wandering Jew". A great plant for baskets or combinations. Fast growing, trailing habit. Easy to grow. Height 4-8". Spread 10-24".

**NEW Nanouk** - Light purple, green and white fleshy leaves.

**Pistachio White** - Heavy white variegation on green leaves

**Purple** - Purple leaves.

**Tahitian Bridal Veil** - Traditional, old fashioned Tradescantia with a spray of tiny white flowers forming the "bridal veil". Small green leaves. Fast growing.

**NEW Zebrina Bordeaux** - Multi-colored leaves are iridescent purple, silver and green. Dainty purple flowers will appear in high light.

## Vinca 🌞 | ☁️

One of the most popular accent plants. Use it in almost any combination where a graceful, trailing accent is desired. It is also surprisingly cold hardy.

**major Maculata** - An attractive accent plant similar to Vinca Vine, with a dark green leaf and yellow central veining. Does best with some shade.

**major Variegated** - Ever popular variegated vine. Does best with some shade.

**minor Illumination** - Bright chartreuse centers surrounded by dark green - an accent that "illuminates" any combination. Zone 5.





# FERNS

## Athyrium niponicum

**Japanese Painted Fern** - Tricolored fronds in shades of silver-green with hints of red and blue. Height 12-20". Zones 4-9.

## Blechnum

**Silver Lady** - Silver Lady looks more like a palm tree than a fern, very upright. Can be used indoors or out. Use as a pot plant, not suitable for hanging baskets. Height 36-60". Spread 24-36".

## Nephrolepis biserrata

**Macho** - Broad, dark green foliage with an open habit and rather leathery leaves. Useful in the landscape or as a house plant. Can be grown in wetter conditions than other ferns. Use in 10" or larger pots or baskets. Height 18-20".

## Nephrolepis exaltata

**Boston Blue Bells** - The most popular Boston type in Europe. Fast growing and very uniform. Tight compact habit, making it excellent for mass production. Good for 3-12" pots. Height 20".

**Boston True** - The original tried and true, and the "Grandfather" of many of the other Nephrolepis varieties on the market! Fast growing with large fronds. Good for all pot sizes. Height 20".

**Cotton Candy** - The cotton candy fern has soft, fluffy chartreuse-colored fronds. It can be planted indoors or outdoors in shady areas in large containers or hanging baskets. Height 20". Spread 2-3'.

**Fluffy Ruffles** - A real beauty, with very closely drawn fronds which create a fluffy appearance and almost leathery texture. Good for all pot sizes. Height 12".

**Montana** - This is a very strong Boston variety with dark green fronds and compact uniform growth. Hardly any yellow leaves at the heart of the plant, and very few rhizomes...easy to keep looking good! Does well in all pot sizes or baskets.

**Nevada** - An improved strain of Boston fern, with less shedding, less thatch and fewer runners so it keeps more tidy. Suitable for 6-10" production. A very strong selection from the true Boston. Height 20". Propagation prohibited.

**Pom Pom** - Ball-shaped habit resembles a cheerleader's pom pom. Suitable for pot plants and hanging baskets. Bright green color. Height 20". Propagation prohibited.

**Tiger Fern** - Irregular variegation on the leaves form a "tiger" pattern. Suitable for all pot sizes and hanging baskets. Height 20". Propagation prohibited.



ATHYRIUM NIPONICUM  
JAPANESE PAINTED FERN



BLECHNUM SILVER LADY



MACHO



BOSTON BLUE BELLS



BOSTON TRUE



COTTON CANDY



FLUFFY RUFFLES



MONTANA



NEVADA



POM POM



TIGER FERN



EMERALD QUEEN



PLATYCERIUM BIFURCATUM  
NETHERLANDS



CALAMAGROSTIS  
BRACHYTRICHA





CAREX AMAZON MIST



CAREX BRONCO



CAREX FEATHER FALLS



CAREX RED ROOSTER



CORTADERIA SELLOANA PINK



CORTADERIA SELLOANA WHITE



CYPERUS LITTLE PRINCE



HAKONECHLOA AUREOLA  
PHOTO COURTESY WALTERS GARDENS, INC

## Nephrolepis obliterated

**Emerald Queen** - A sterile form of Sword Fern, very hardy and strong. Excellent for indoor use and outdoors. Leaflets are a little broader than Sword Fern. Under high light conditions, habit is more erect. Can withstand full sun. Useful in 4-12" containers.

## Platycerium bifurcatum

**Netherlands** - Otherwise known as the "staghorn fern", Netherlands is great for containers. The bigger the pot, the bigger the fern. Upright habit with wide thick leaves. Best suited in pots with well drained soil. Height 18-24". Zone 10.

# GRASSES

## Calamagrostis

"Korean Feather Reed"

**brachytricha** - Forms a columnar clump of feathery plumes of silvery pink fading to cream. Tidy and non-invasive, this grass is nice for specimens, mass planting, and the flowers and seeds make attractive cut arrangements. Height 36-48". Zones 4-9.

## Carex

"Sedge"

**NEW Amazon Mist** - Variegated, light-medium green grass with twisting tips and arching habit will create graceful, flowing mounds of texture in your plantings. Mix with other grasses and plants in containers and beds. Height 6-12". Spread 14".

**NEW Bronco** - Finely textured bronze/brown colored grass will spill over slopes and walls, in containers, and at your garden's edge, giving off a flowing affect. Height 6-12". Spread 14". Zones 6-10.

**Feather Falls** - A handsome and robust variegated yellow-green Carex. Its cascading habit "fills" and "flows" beautifully in containers, creating a pleasing display. Can also be used as a ground cover, in borders and edging. Small creamy flowers will bloom mid to late spring. Deer resistant. Can finish in as little as 8-10 weeks. Height 12-18". Spread 18-24". Zones 5-9.

**Red Rooster** - Curled, red-bronze tips on tall erect plants. Height 24". Zones 7-9. Kieft ColorGrass®.

## Cortaderia

**selloana** - "Pampas Grass" - Grassy clumps with showy plumes in fall. For garden or drying. Height 4-7'. Takes 2-3 years to reach full maturity. Zones 7-10.

Pink

White

## Cyperus

**Little Prince** - "King Tut Grass" - Extremely versatile annual grass useful for pots, ponds, or garden beds. Tolerates a few inches of water if the crown is not drowned. Will adapt to drier conditions. Little Prince is a dwarf variety, very nice in mixed containers. Height 18".

## Hakonechloa

**Aureola** - "Golden Variegated Hakone Grass" - Beautiful, cascading form which is excellent for partial sun to full shade. Striking yellow to chartreuse with narrow green stripes near the margins. As the weather cools in the fall, leaves blush with pinkish-red. Height 1-2'. Zones 5-9.





## Isolepis cernua

**Live Wire** - "Fiber Optic Grass" - Great for mixed containers. Also great in shady outdoor areas. Treat as an annual. Height 6-8". Not hardy. Fantastic Foliage®.

## Juncus

"Rush"

**Blue Arrows** - Stiff, upright blue-green foliage. Height 36". Great for bedding & mixed containers. Adaptable moisture needs from pond plants to semi-drought. Zones 5-9. Fantastic Foliage®.

**Blue Dart** - A faster, more reliable alternative to Dracaena! Strong, vertical, blue foliage grows up to 16" tall. Adapts as a pond plant or a drought-tolerant bedding plant. Zones 5-11. Fantastic Foliage®.

**Twisted Arrows** - A real innovation - a mixture of Juncus Blue Arrows and Juncus Twister in the same plug for a "quick-mix" concept. Contrasting colors and forms create an eye-catching product for potted plants or mixed containers. Zones 5-9. Height 18-36". Fantastic Foliage®.

**Twister** - "Corkscrew Rush" - A spiralis selection, chosen for superior vigor. The curly blades of this grass offer a novel, fun accent to mixed containers or pond gardens. Children love this twirly plant as well, especially when used as "curly hair" in garden topiary. Provide lots of water - never let it dry out. Height 12-14". Zones 5-11. Fantastic Foliage®.



ISOLEPIS LIVE WIRE



JUNCUS BLUE ARROWS



JUNCUS BLUE DART



JUNCUS TWISTED ARROWS



JUNCUS TWISTER



LAGURUS OVATUS  
HARE'S TAIL

## Lagurus ovatus

**Hare's Tail** - "Bunny Tails" - Annual ornamental grass produces clumps of soft green foliage and white oval "bunny tail" like flowers. Good as a cut flower or dried. Requires adequate moisture and well drained soil. Height 12-20". Not hardy.

## Miscanthus

**sinensis Gold Breeze** - "Zebra Grass" - This variegated "Maiden Hair" has graceful arching green stems with gold bands and feathery red plumes in late summer. Gold Breeze will add beautiful color wherever they are planted, whether in a perennial garden, or as smaller shrubs. They can also be used for cut or dried flowers. Height 60-72" (up to 84" with flower). Spread 12-36". Zones 5-9.

**sinensis New Hybrids** - "Chinese Silver Grass" - Graceful reed-like stems and tall feathery plumes. It is ideal for creating screens, hedges or pond side plantings. Early Hybrids is a mix of sizes and cultivars to create added interest. Flowers in the second year. Height up to 86". Zones 4-9.



MISCANTHUS SINENSIS  
GOLD BREEZE



MISCANTHUS SINENSIS  
NEW HYBRIDS



MUHLENBERGIA CAPILLARIS



PENNISETUM CHERRY  
SPARKLER



PENNISETUM FIREWORKS



PENNISETUM RUBRUM

## Muhlenbergia

"Pink Hair Grass"

**capillaris** - Clump-forming, warm season, perennial grass. Attractive summer foliage and spectacular clouds of pink flowers. North American native grass. Masses of airy, open, long pink to pink-red flower stems float above foliage. Height 2-3'. Zones 5-9.



PENNISETUM SKY ROCKET



STIPA PONY TAILS



ALOE  
MITRIFORMIS





ALOE PINK BLUSH

## Pennisetum 🌞

"Fountain Grass"

**Cherry Sparkler** - The variegated foliage of this grass is white and dark pink, with a thin green stripe. The center of the plant is mostly white with pink color starting halfway down the blade. The plumes are dark pink to burgundy. Needs intense sunlight and full maturity to display full color. Height 36-48". Zones 9-11. Propagation prohibited. Part of ItSaul Plants' Celebration series.

**Fireworks** - The first variegated purple fountain grass. The midvein is the typical burgundy color and is flanked by hot pink margins! Needs intense sunlight and full maturity to display full color. Foliage height to 24". Zones 9-10. Propagation prohibited. Part of ItSaul Plants' Celebration series.

**rubrum** - "Purple Fountain Grass" - Deep red foliage is topped by dramatic purple-red plumes. Flowers displayed all summer long. Beautiful in the landscape or mixed containers. Needs intense sunlight and full maturity to display full color. Height 3-4'. Annual except in Zones 9-10.

**Sky Rocket** - Bright white and green variegated foliage with plumes that are white with a pink blush. Stands out in the landscape and in containers. Needs intense sunlight and full maturity to display full color. Height 48". Zones 9-10. Propagation prohibited. Part of ItSaul Plants' Celebration Series.

## Stipa 🌞

**Pony Tails** - "Pony Tail Grass" Light colored plumes on strong plants. Clump forming with a fine needlelike, green foliage about 16" tall. It forms a silky green flower in July that matures to a golden blonde. Useful in mixed planters and window boxes. Tender perennial. Zones 7-9. Kieft ColorGrass®.



APTENIA VARIEGATA



COTYLEDON  
LADISMITHIENSIS

# SUCCULENTS

## Aloe 🌞🌧️

**mitriformis** - "Rubble Aloe" - A sprawling type of Aloe with creeping stems that usually can serve as ground cover. The thick and fleshy leaves are arranged in a rosette that may be erect or curve inward. Can also be used in containers and does best in full sun to partial shade. Summer flowers are orange-red while fleshy leaves are gray/green, triangular with toothed margins. Drought tolerant, not hardy. Height 6". Spread 7".

**NEW Pink Blush** - Fleshy, mottled light and dark green leaves with pink toothy ridges form a small clumping variety. A flower stalk with orange blooms will appear late winter to early spring. Height 12". Spread 12".



COTYLEDON SILVER PEAK

## Aptenia 🌞

**Variegata** - A member of the ice plant family, this low growing/mounding succulent is green with white edges. Produces red flowers. Good heat tolerance. Height 4-6". Spread 12-14".

## Cotyledon 🌞

**ladismithiensis** - "Bear's Paw" - Densely packed branches with flat, fleshy, hairy leaves. The leaves are up to 1½" long, with reddish teeth in a neat row resembling bear paws. Flowers in late spring are bell-shaped, light yellowish-orange-red. Grow in bright light with good airflow. Not hardy. Height 12".

**Silver Peak** - "Pig's Ear" - Fleshy upright, narrow elongated leaves on short branches. Color ranges from green to blue-gray, and red edging appears under stress. Drought tolerant, perfect for outside planting in southern climates. Plant in pots in cooler areas so you can bring them inside when temperatures drop. Dusky-pink flowers appear mid summer. Height 6-12" (12-15" in bloom). Spread 10-12". Zones 9-10.

**NEW papillaris Chocoline** - Thick, fleshy, wavy leaves are grey/green in color with distinctive dark red outlines. Forms a clumping habit. Flowers look like hanging coral bells, blooming spring or early summer. Great for rock gardens or sunny windowsills. Height 12".



COTYLEDON PAPILLARIS CHOCOLINE





## Crassula

A group of succulents, used for groundcover in dry areas, or for mixed containers, potted plants, or bonsai. Extremely heat and drought tolerant, but sensitive to cold.

**Campfire** - Fleshy leaves in a "propeller" pattern turn a bright flame color under cool night conditions. Height up to 12". Prefers some light shade.

**Hobbit** - Strong tubular "fingers" of foliage make an interesting texture in succulent gardens. May grow very large in warm climates. Useable as a house plant with adequate lighting. Do not overwater. Height 1-3'.

**ovata minor** - "*Baby Jade*" - Branching shrub with stout stems. Rounded, glossy green, thick leaves may mature with reddish edges. In warm climates this variety produces star-shaped white flowers in autumn. Tender soft succulent - will not tolerate frost, but is extremely drought tolerant. Great for living wreaths, weddings, or indoor spaces. Garden height 12-24".

**ovata Sunshine** - Branching succulent with stout stems. Rounded, glossy yellow, thick leaves may mature with reddish edges. Excellent heat and drought tolerance. Garden height 12-24".

**NEW ovata Variegated** - Also known as the "Money" or "Lucky" plant. Green and white variegated thick leaves will produce bright red margins under hot sunlight. This plant has thick, woody stems and fleshy leaves that stand out because of their unique coloration. Height 12-24".

**perforata variegata** - "*Variegated String of Buttons* or *Variegated Necklace Vine*" - A small shrubby, sprawling succulent. Stems are erect and fleshy, later becoming prostrate and woody. The oval leaves are gray-green, edged in pink. Flowers are very small, star-shaped and white. This fast-growing variety is moderately easy and should be planted in a bed with bright morning sun or afternoon sunlight. Height 3½".



CRASSULA CAMPFIRE



CRASSULA HOBBIT



CRASSULA OVATA MINOR



CRASSULA OVATA SUNSHINE



CRASSULA OVATA  
VARIEGATED



CRASSULA PERFORATA  
VARIEGATA



DELOSPERMA  
DELMARA FUCHSIA



DELOSPERMA DELMARA RED



DELOSPERMA  
DELMARA YELLOW

## Delosperma

"Ice Plant"

With mat-forming succulent foliage and daisy-like 1" flowers, this plant thrives in heat and drought. Good for sunny rock gardens or banks (excellent drainage is a must). Ideal groundcover, tolerates foot traffic, keeping stone work weed free. Easy to grow, attracts bees and butterflies, deer resistant.

**Delmara™** - Huge eye-catching blooms cover the entire plant for a show of intense color. Flowers continuously throughout the growing season, with repeated flowerings. Great in 4-6" pots, containers, baskets and rock gardens. Vernalization is not required, nor a set daylength. Height 4-6". Spread 12-18". Zone 3.

**Fuchsia**

**Red**

**Yellow**

**echinatum Gherkin** - "*Pickle Plant*" - Long barrel shaped green leaves bristled with soft spine-like white hairs. They look like Gherkin pickles! Pale yellow flowers appear late winter through fall. This low, sprawling succulent can grow up to 18" tall. Zones 7-9.



ECHEVERIA BLACK PRINCE



DELOSPERMA  
ECHINATUM GHERKIN



ECHEVERIA CARIBBEAN BLUE





ECHEVERIA CORAL  
REEF CHOCOLATE



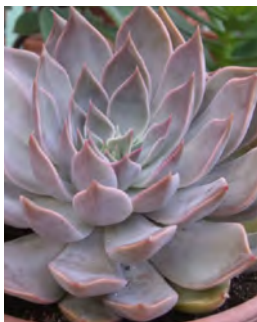
ECHEVERIA CORAL  
REEF PINK



ECHEVERIA DIFFRACTENS



ECHEVERIA LILACINA



ECHEVERIA  
MENSA



ECHEVERIA PERLE  
VON NÜRNBERG



ECHEVERIA PROLIFICA



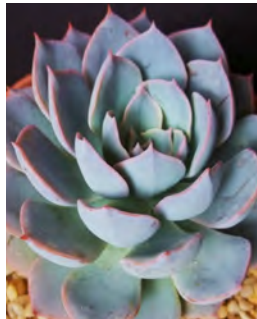
ECHEVERIA PULVINATA  
DEVOTION



ECHEVERIA PURPLE  
PERLE VON NÜRNBERG



ECHEVERIA RED PRINCE



ECHEVERIA  
SUBSESSILIS BLUE



ECHEVERIA VERTIS



ECHEVERIA  
MIXED



EPHIPHYLLUM ANGULIGER  
FISHBONE CACTUS

## Echeveria

An easy to grow succulent that is great for rock gardens. Looks wonderful in small dish gardens combined with other succulents or cactus. Also great for green roofs.

**NEW affinis Black Prince** - Clumps of thick, fleshy, nearly black leaves form rosettes that grow up to 3" in diameter. The leaves start out green but quickly darken to a deep brown, almost black with tips that are a soft yellow. Dark red flowers appear in clusters late fall to early winter. A slow growing plant, but worth the wait! Height 4-6". Spread 8".

**Caribbean Blue** - Silvery blue rosette with flushes of pink on the edges when grown in full sun. Height 4-8". Spread 4-8".

**Coral Reef** - This series has leaves with thin ruffled edges which add great texture and color to combinations or rock gardens. Recommended for 4-6" containers or as a stand alone. Plant in well drained soil. Height 10". Spread 12".

**Chocolate** - dark shiny brown with red ruffled edges

**Pink** - gray/green with soft pink edges

**DiffRACTENS** - Rosy gray with spade-shaped leaves.

**Lilacina** - Wide gray leaves with pointy ends.

**Mensa** - Densely packed thick leaves with pointy ends in a rosette shape. The gray-green leaf color will flush pink/purple in bright sunlight. Height and spread 8".

**Perle von Nürnberg** - Broad gray pointed leaves.

**Prolifica** - Green with red tips.

**NEW pulvinata Devotion** - Green and burgundy/red smooth, plump leaves have a soft, velvety feel. Very showy in succulent gardens, bouquets and decorations for both indoors and outdoors. Height 6-12".

**Purple Perle von Nürnberg** - Broad deep purple pointed leaves. More intense purple coloring than the others in this series.

**NEW Red Prince** - A fast growing Echeveria with large burgundy/red leaves that will fade to a pleasing matte color over time. Large bell-shaped orange flowers will bloom late spring. Height 4-6". Spread 8".

**subsessilis Blue** - Chalk blue chubby leaves.

**Vertis** - Formerly called Elegans. Delicate, rounded, florets of milky green.

**Mixed** - Our mix of several echeverias for your ordering convenience.

## Ephiphyllum anguliger

**Fishbone Cactus** - Deeply lobed green stems resemble fishbones. Has a trailing habit that is good for hanging baskets. Will bloom late autumn to early winter. The white or pale yellow flowers have a strong, sweet smell.





## Gasteria 🌞☁️

**NEW Durban** - "*Ox Tongue*" - The long green leaves have large white speckles and a rough texture. They produce tubular, curved flowers from winter to spring. Will tolerate low light conditions, making them a great option as a houseplant. Height 6-8". Spread 12".

## Graptosedum 🌞

**NEW California Sunset** - High light levels will transform the bright golden leaves to reddish/orange with a touch of green in the centers and stems. White flowers will bloom in the spring. Best used in 4" pots. Height up to 12". Spread 9".

## Haworthia 🌞

**limifolia** - "*Fairy Washboard*" - A member of the Aloe family. It has triangular leaves, broad at the base, light to dark green, or brown-green. Easy to grow and makes a great houseplant. Do not over water. Height 3".

**tessellata** - Thick triangular leaves with distinct veining create a star-like pattern. In full sun, they will turn brownish red. Height 6". Spread 6".

## Hoya kerrii 🌞

**Single Leaf** - "*Sweatheart Plant, Lucky Heart, Heart Plant*" - A darling plant in the shape of a heart, making it a perfect gift for Valentine's Day, Mother's Day or Christmas. Leaf height 3-4". Leaf width 2-3".

Green

Variegated

## Kalanchoe 🌞☁️

**delagoensis Tubiflora Mother of Millions** - "*Chandelier Plant*" - Tubular green leaves with dark purple blotches on a single stem. Can grow up to 3' with a spread of 2'. Tiny plantlets grow on the leaf edges and will drop off and seed themselves, hence "Mother of Millions". Will produce clusters of orange to reddish flowers. Warning: all parts of this plant is poisonous if ingested. Zones 10-11.

**Desert Rose** - "*Red Lips*" - White flowers with a pink blush and edged in dark pink. Big, oval, succulent leaves are gray-green with pink edge. **Warning:** all parts of Desert Rose are poisonous and should be kept out of reach of children and animals.

**marmorata** - "*Penwiper Plant*" - A striking, erect, ground-cover succulent with glossy leaves spotted with purple. Flowers in the spring, producing starry white blooms sometimes tinged in pink. Height 16".

**tomentosa Nigra** - "*Panda Plant*" - A beautiful succulent with dense, white, felt-like hairs covering the entire leaf. The grayish, thick leaves have brown spotted tips. Plant in full sun to part shade. Let soil dry well between watering, then water thoroughly. Height 18".



GASTERIA DURBAN



GRAPTOSEDUM  
CALIFORNIA SUNSET



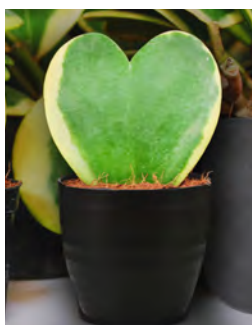
HAWORTHIA LIMIFOLIA



HAWORTHIA TESSELLATA



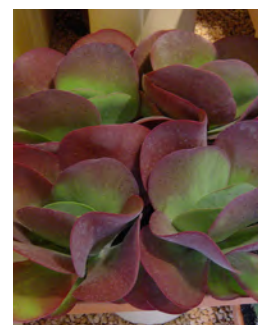
HOYA KERRII SINGLE  
LEAF GREEN



HOYA KERRII SINGLE  
LEAF VARIEGATED



KALANCHOE MOTHER  
OF MILLIONS



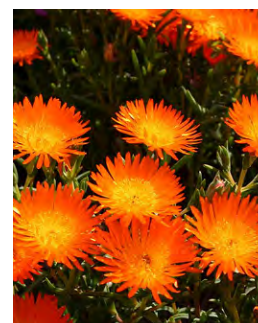
KALANCHOE DESERT ROSE



KALANCHOE MARMORATA



KALANCHOE  
TOMETOSA NIGRA



LAMPFRANTHUS  
AUREUS ORANGE

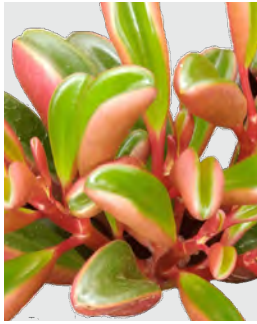


LITHOPS MIX



OROSTACHYS CHINESE HAT





PEPEROMIA GRAVEOLENS



PORTULACA MOLOKINIENSIS



SEDUM ADOLPHII  
FIRE STORM



SEDUM CHOCOLATE BALL



SEDUM CORAL REEF



SEDUM DASPHYLLUM MAJOR



SEDUM DRAGONS BLOOD



SEDUM LEMON BALL



SEDUM LIZARD



SEDUM MAKINOI Ogon

## Lampranthus

**aureus Orange** - One tough customer! This heat and drought tolerant succulent stands up to wind and salt. Long lasting color from late spring to autumn. Ideal choice for dry or coastal gardens, rock gardens, ground cover and fairy gardens. Produces bright orange blooms. Height 8".

## Lithops

**Mix** - "Flowering Stones, Living Stones" - True mimicry plants. Their shape, size and color causes them to resemble small stones in their natural surroundings. The plants blend in among the stones as a means of protection. Because they thrive in low humidity, need infrequent watering and care, and are relatively easy to grow, Lithops are popular novelty houseplants. With their small size and slow, compact growth, these plants do not take up much room and they will live for many years in the same pot.

## Orostachys

**Chinese Hat** - A hardy succulent perennial with cute "dunce cap" shaped clumps. Continues to multiply and spread, making more "caps". Late summer to autumn, it forms grayish-pink conical spires. Heat and drought tolerant, mat-forming, dense and spreading. Height 6". Hardy zones 6-11.

## Peperomia

**graveolens** - "Ruby Glow" - A small shrub with red wine-colored stems and extremely succulent leaves. The leaves are red wine in color on the underside with a green upperside. Height 10".

## Portulaca

**Molokiniensis** - This interesting, soft succulent has glossy lime green, cupped leaves, stacked on an upright stem. Produces clusters of small, lemon-yellow, cup shaped flowers. Height 12".

## Sedum creeping

(SEE-dum) | "Stone Crop"

Versatile sedums are very drought tolerant. Excellent for fairy gardens, perennial beds, and green roofs.

**NEW adolphii Fire Storm** - This low-growing, spreading variety has trailing stems and brightly colored leaves that are green in the center, with vivid red edges. The red coloring will increase in full sun. Will produce small white flowers in the spring. Height up to 8". Spread up to 18".

**Chocolate Ball** - Creeping, mat forming habit with needle-like, chocolate-colored foliage. Drought tolerant creeper for green roofs or rock gardens. Height 8". Zones 4-9.

**Coral Reef** - A wonderful spreading mat of small, rounded, deep green leaves with tiny star-shaped yellow flowers that appear in the summer. Will tolerate light traffic. Excellent for rock gardens or as a lawn substitute for small to mid sized areas. Height 3-4". Spread 10-12". Zones 4-9.

**dasphyllum Major** - Low carpet of rounded, blue-gray leaves excellent for ground cover, fairy gardens, green roofs and rock gardens. Height 2-4". Spread 8-12". Zones 5-9.

**Dragon's Blood** - First year blooming. Dense mats of purple-red foliage. Deeper color in the fall. Dark red flowers. Height 3-4". Zones 3-8.

**Lemon Ball** - Succulent needle like foliage in bright chartreuse. Bright yellow blooms. Height 6-8". Spread 16-24". Zones 3-11.

**Lizard** - A sedum from seed that grows very fast, forming a mat of tiny pointed leaves. Starts out gray-green, but will turn a rosy color in high light as it matures. Drought and heat tolerant. Its compact, spreading habit works well in beds, containers, or as a ground cover. Height 4". Spread 8-10". Tender perennial, zones 8-10.

**makinoi Ogon** - "Golden Japanese Stonecrop" - An attractive, tiny-leaved, bright gold, ground-cover sedum with a mounding habit. Its red stems make a nice contrast to the foliage. This sedum is heat tolerant and should be planted in sun to part sun. Height 2-4". Zones 7-9.





**morganianum Burrito** - "Burro's Tail" - Extremely ornamental with its distinctive blue-green foliage. Because of its pendulous stems, this succulent resembles an animal tail. This long-lived shrub grows upright at first then becomes trailing as it gets larger. Smooth, lance-shaped leaves form an overlapping spiraling pattern. Produces small pink/red flowers in summer. Grow in part sun to shade, heat tolerant. Looks best when watered to allow the foliage to plump up. It can hang up to 4 feet.

**Prima Angelina** - A sport of Angelina, Prima Angelina has a vivid golden color with a denser and more compact, spreading habit. The fleshy, needle-like leaves make a wonderful show in your rock gardens. Great in mixed containers or as a groundcover. Deer resistant. Heat and drought tolerant. Height 3-6". Spread 6-8". Zones 4-9.

**NEW sediforme Gold** - Produces long, dense rosettes of yellow/green and golden/yellow leaves on a mat forming plant. Pale yellow flowers will bloom in the summer. Height up to 12". Spread up to 12".

**sieboldii** - (see-BOL-de-eye) Nicely rounded leaves with pink margins. Cold temperatures darken the contrast. Mounding, "fountain" habit. Especially pretty in mixed containers with other dwarf plants. Height 6-10". Zones 3-9.

**Sunsparkler** - A groundcover sedum type that is outstanding in mass plantings. Height 6-8". Spread 16-18". Zones 4-9. Propagation prohibited.

**Dazzleberry** - Raspberry-pink flowers on blue-gray foliage

**Firecracker** - Shiny red foliage with bright pink blooms

**Plum Dazzled** - Dark purple foliage with cherry colored flowers

**Turkish Delight** - This charming succulent has carmine-pink flowers and deep purple foliage. Perfect for rock gardens, containers and borders. This plant requires well drained soil, it is reliable, hardy and easy to grow. Height 4-6". Zones 3-10.

**What a Doozie** - Stands out all season long with its attractive white and green variegated foliage. Spreading habit. Blush pink and creamy pink flowers appear in the fall. Height 2-5". Spread 11-14". Zones 5-9.

**Mixed** - Our mix of several creeping sedum for your ordering convenience.

## Sempervivum

"Hens and Chicks, Houseleeks"

Easy to grow and adaptable to many conditions, Hens and Chicks are well loved by gardeners for use in containers, rockeries, grave sites and even rooftops! They spread and multiply and seem to fulfill their name sempervivum - "always living". Drought tolerant. Does not display flowers until the 3rd year. Zones 3-7.

**Cobweb** - Ruby tinted rosettes of foliage adorned with spider-web like filaments.

**Royal Ruby** - Forms mats of wine-red foliage.

**Sunset** - Lime green with maroon tips. Very showy.

**SuperSemps Onyx** - Produces large 8" single rosettes in as little as 20 weeks. Stunning geometric leaves are a dark mahogany-black.

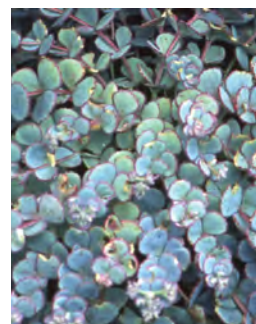
**Mixed** - Our assortment of Sempervivum for your ordering convenience.



SEDUM MORGANIANUM  
BURRITO



SEDUM PRIMA ANGELINA



SEDUM SIEBOLDII



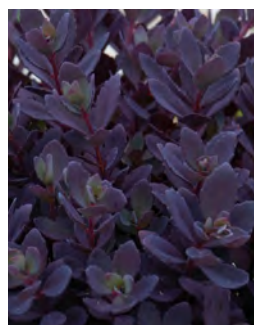
SEDUM SEDIFORME GOLD



SEDUM SUNSPARKLER  
DAZZLEBERRY



SEDUM SUNSPARKLER  
FIRECRACKER



SEDUM SUNSPARKLER  
PLUM DAZZLED



SEDUM CREEPING  
TURKISH DELIGHT



SEDUM CREEPING  
WHAT A DOOZIE



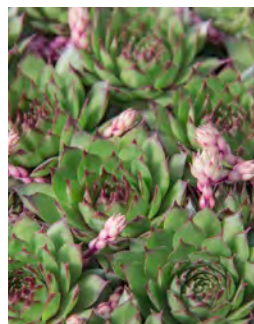
SEDUM MIXED



SEMPERVIVUM COBWEB



SEMPERVIVUM ROYAL RUBY



SEMPERVIVUM SUNSET



SEMPERVIVUM  
SUPERSEMPs ONYX





SEMPERVIVUM MIXED



SENECIO BLUE  
CHALK FINGERS



SENECIO CRASSISSIMUS



SENECIO ROWLEYANUS



SENECIO RUBY NECKLACE



SENECIO STRING  
OF DOLPHINS



SENECIO STRING OF BANANAS

## Senecio

**Blue Chalk Fingers** - Dramatic texture plant with long, silvery blue, needle-like, succulent leaves. Upright habit reaches up to 24" tall. Hardy in zone 7 and the South.

**crassissimus** - "*Vertical Leaf Senecio*" - An erect evergreen subshrub. It has wide, thick purple stems that hold flat waxy, silver-gray obovate leaves. The edges have vivid purple margins that face outward. Flowers during the winter with flower stems reaching up to 2 feet. The flowers are open branched yellow daisies. This succulent should be planted in full sun, in well drained soil. Can take cooler temperatures. Height 2-3'.

**rowleyanus** - "*String of Pearls*" - A creeping, succulent vine with pearl-like foliage. Vigorous and easy to reproduce. Poisonous if consumed. Height under 6" with massively long "strings of pearls". Not hardy.

**Ruby Necklace** - An attractive, fast growing, trailing succulent, with long narrow, bean shaped foliage. Bright purple stems produce ruby red leaves in bright sun, and under low light, the leaves will revert to a green shade with purple blushing. Perfect for hanging baskets. They will grow up to 2" tall before trailing down.

**NEW String of Bananas** - A fun succulent with curved blue-green foliage resembling bananas. Its long, trailing habit is best used in baskets or pots. They can grow up to 36" long at maturity!

**String of Dolphins** - A truly unique succulent! Forms dolphin shaped leaves on stems that will trail, adding wonderful interest to your mixed containers and hanging baskets.



## WHITES RESIDENTIAL AND FAMILY SERVICES

WABASH,  
INDIANA

We are so excited for this season!  
We received a lot of compliments  
about your plants again last year.  
Our customers and staff are all  
impressed with the quality that  
we get from you. It's easy to have  
a successful season when you  
start out with a quality product!  
Keep up the good work!







# PERENNIALS

COLD HARDY PLANTS



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189



#### ECHINACEA

### SunSeekers Mineola

These semi-double coneflowers were bred to exhibit exceptional vigor, compact growth, and masses of blooms that retain their vivid orange-tangerine color.

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196



#### POLEMONIUM

### Golden Feathers

Elevate the visual appeal of your shade garden with this captivating variegated polemonium! Bluish purple flowers are an added bonus in the summer months.

page  
196



#### RUDBECKIA

### American Gold Rush

A compact variety that showcases an abundance of golden-yellow flowers with black centers and arched petals. This gorgeous plant will bloom all summer!

NEW THIS year






# PERENNIALS

## Achillea


(a-kil-LEE-ah) | "Yarrow"

Easy to grow, drought tolerant plant with pungent odor. Fern-like foliage bears flowers grown in clusters. Good as cut flowers, fresh or dried. Makes good 1 qt - 2 gal containers.

**Skysail**  - Strong, upright, medium-vigorous habit features large flower umbels with bold colors. Blooms spring and summer. They are very showy in containers and landscapes for a nice retail or garden show. Great heat and humidity tolerance. Height 14-18". Zones 3-9.


**NEW Fire**

**NEW Yellow**

**Summer Berries**  - Produces beautiful 3-5" flower clusters in shades of orange, red and pink. Blooms early summer to late fall. Upright habit. Height 24". Spread 12-18". Zones 3-10.

## Agastache


(ah-gas-TAH-kee) | "Anise Hyssop"

**NEW Betterbuzz Amber**  - Slender, tube-like blooms sit on an upright plant with medium vigor. Will attract butterflies and hummingbirds as well as other pollinators from summer into the fall. Thrives in hot areas. Suited for 1-3 gallons. Height 14-16". Zones 6-9.

## Ajuga

(a-JEW-gah) | "Bugleweed"


Tight crumpled cushions of curled leaves with a metallic sheen. Fast growing with small flower spikes. Super weed-suppressing groundcover. Good in 1 qt - 2 gal containers. Tolerates full sun, but grows more rapidly in partial shade. Blooms May-June. Very invasive! Deer resistant. Attracts hummingbirds.

**Black Scallop**  - Excellent accent in mixed containers. Short, deep blue flower spikes. Garden height 4-6". Zones 3-9. Propagation prohibited.

## Alcea

(al-CEE-ah) | "Hollyhock"

**Peaches N Dreams** - Tall, strong stems are packed with peachy-yellow powderpuff flowers. Requires overwintering for blooms. Buds open from the base towards the tip, providing weeks of fresh color. Height 5-6'. Zones 2-9.

**Spring Celebrities™ Mix**  - Compact habit make these an option for a blooming pot crop. Dwarf, multi-stemmed plants produce large double and semi-double flowers for a long bloom period, at least 3 months. Colors include carmine, crimson, lemon, lilac, pink, purple, apricot, and white. Height 24-32". Zones 6-9.

## Aquilegia

(a-kwee-LE-je-ah) | "Columbine"

Beautiful, cup-shaped flowers surrounded by spur-shaped petals. Good for cutting and natural



ACHILLIA SKYSAIL FIRE



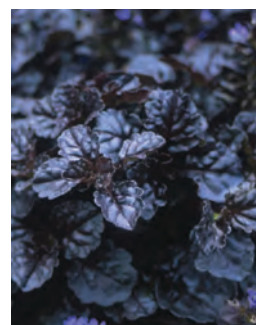
ACHILLIA SKYSAIL YELLOW



ACHILLEA SUMMER BERRIES



AGASTACHE  
BETTERBUZZ AMBER



AJUGA BLACK SCALLOP



ALCEA PEACHES N DREAMS



ALCEA SPRING  
CELEBRITIES MIX



AQUILEGIA EARLY  
BIRD BLUE WHITE



AQUILEGIA EARLY BIRD MIX



AQUILEGIA EARLY  
BIRD RED WHITE



ARMERIA DREAMER  
DREAMLAND



ASCLEPIAS GAY  
BUTTERFLIES MIX





BELLIS HABANERA MIX



BUDDLEIA BABY BUZZ CANDY PINK



BRUNNERA FROSTBITE



BUDDLEIA HUMDINGER  
MAGENTA MUNCHKIN



CAMPANULA RAPIDO BLUE



CAMPANULA RAPIDO WHITE

plantings. Attracts hummingbirds. Blooms May-June. Prefers moist soil and partial sun. Deadhead regularly. Often reseed themselves.

**Earlybird™** - Developed to be completely "programmable" for spring quart production. Features relatively short stems on well-mounded plants. Requires minimal vernalization. Uniform across the series. Blooms early Spring, Spring, late Spring and Summer. Height 9-11". Spread 8-10". Zones 3b-9b.


**Blue White**

**Red White**

**Mix**


## Armeria

(ar-MEER-ee-ah) | "Thrift, Sea Pinks"

**Dreameria® Dreamland**  - Bred for a very long flowering season, blooming from March through October. Excellent for quarts. Height 10-12". Zones 5-9. Propagation prohibited.


## Asclepias tuberosa

(as-KLEE-pee-as) | "Butterfly Weed"

**Gay Butterflies Mix**  - Mixture of yellow, orange and red flowers, approx. 2-3' tall. Slow to emerge in spring, but showy for butterfly gardens or cut flowers. Zones 4-9.

## Bellis

(BELL-is) | "English Daisy"

**Habanera Mix**  - Large, 2" flowers are fully double with distinctive, finely-rayed petals. Mix include white & rose bicolor, white & red bicolors, as well as solid red, rose, and white. Height 6". Zones 3-9.

## Brunnera

(bruh-NEE-ruh) | "Great Forget-Me-Not"

This low-maintenance option for shade gardens and containers is a great late-season performer, holding its striking pattern with minimal browning.


**Frostbite** - Attractive heart-shaped silver foliage mixes seamlessly into a wide range of shade garden designs. Bright blue flowers are an extra bonus in Spring! Likes well-drained soil. Deer and rabbit resistant; frost tolerant. Height 6-9". Spread 13-16". Zones 4-9.

## Buddleia

(bud-LEE-ah) | "Butterfly Bush, Summer Lilac"

Attractive shrub-like habit produces beautiful lilac type flowers all season. Nice cut flowers.

**NEW Baby Buzz Candy Pink**  - A cascading buddleia! Perfect for hanging baskets, containers or over walls. Sweet candy-pink flowers with an orange center will bloom for up to 5 months, from May to September! Remove spent flowers to encourage reblooming. Foliage has small silver-green leaves with tight internodes. Its compact, mushroom habit can reach 24" tall by 36" wide. Bees, butterflies and hummingbirds love Baby Buzz. Deer resistant. Zone 5. Propagation prohibited.

**Humdinger® Magenta Munchkin**  - This low maintenance variety has a more compact and tidy habit than most, and will fit easily in smaller gardens! The 7-8" flower stalks bear fuchsia-magenta flowers with light eyes. The flowers and foliage are fragrant, attracting bees, butterflies and hummingbirds. Deer resistant. Blooms July - September. Height 30-48". Spread 42-60". Zones 5-9. Propagation prohibited.

## Campanula - carpatica

**Rapido**  - Rapido delivers the earliest Campanula carpatica varieties on the market – up to 4 weeks earlier than Clips. It delivers better vigor of finished plants. Blooms spring into summer. Height 5-7". Zones 3-9.

**Blue**

**White**





## Campanula - medium 🌞

"Canterbury Bells, Cup & Saucers"

Cuplike flowers stand on a saucer-like calyx. Old-fashioned favorites, especially for the cutting garden. Not particularly hardy - better to treat as an annual or biennial. Large flowers in June-July.

**Champion II** 🌸 - This F1 hybrid series boasts quality cut flowers for florists. Its improved uniformity means faster harvest and more profit. Beautiful upwards-facing flowers on strong stems have an excellent vase life of up to 2 weeks. Deeper flower color. Larger flower size. Stem length 36-40". Zones 5-8.

Deep Blue

Pink

## Carnation 🌞

(car-NA-tion) | "Dianthus carophyllus"

**Grenadin Mix** - Mix of all colors. This 20" carnation has 2" flowers on upright plants. Nice clove fragrance. Good for cut flowers. Does well in 1 quart containers. Blooms June and July. Zones 4-10.

## Cerastium 🌞

(ce-RAS-tee-um) | "Snow in Summer"

**tomentosum** - These low mounding perennials stand 8" tall with white flowers and gray foliage. Useful for ground cover. Blooms May-June. Good in 1 qt - 1 gal containers. Heat tolerant; grows well even in hot, dry areas and poor soil. Zones 2-7.

## Coreopsis 🌞

(ko-ree-OP-sis) | "Tickseed"

Brilliant, daisy-like flowers up to 3" across that bloom in spring and summer. Useful for natural plantings and cut flowers. Remove faded flowers and stems to encourage blooming all summer. Good in 1 qt - 2 gal containers. Deer and rabbit resistant.

**Double the Sun** 🌸 - Large semi-double bright yellow flowers are excellent in heat and drought. Ideal for quart and 1 gallon productions. Upgrades Coreopsis, Early Sunrise. Height 12-14". Spread 12-14". Zones 4-9.

**Reina™ Gold** 🌸 - The largest Coreopsis blooms in the world! Stunning in perennial gardens and mixed containers, this Coreopsis bears extremely large semi-double blossoms that are deep gold in color. The daylength neutral plants allow year long sales with a very short finish time. Garden height 12-15". Zone 5. Propagation prohibited.

**Solanna™** 🌸 - Fully double blooms in abundance from early spring until fall. Suitable for pot crops and mixed containers, as well as perennial borders. Height 8-10". Zones 4-9. Propagation prohibited.

**Golden Sphere** - golden yellow

**NEW Sunset Bright** - medium sized, semi-double deep yellow flowers have a dark red ring around the center

**Super Star** 🌸 - A gorgeous Coreopsis that boasts 2½-3" blooms, one of the largest flowers on the market. Deer resistant but loved by bees and butterflies. A low maintenance perennial that



CAMPANULA CHAMPION II  
DEEP BLUE



CAMPANULA  
CHAMPION II PINK



CARNATION GRENADIN MIX



CERASTIUM TOMENTOSUM



COREOPSIS DOUBLE  
THE SUN



COREOPSIS REINA GOLD



COREOPSIS SOLANNA GOLDEN SPHERE



COREOPSIS SOLANNA  
SUNSET BRIGHT



COREOPSIS SUPER STAR



COREOPSIS UPTICK  
GOLD BRONZE



DELPHINIUM DELPHINA  
DARK BLUE WHITE BEE



DELPHINIUM DELPHINA  
LIGHT BLUE WHITE BEE



DELPHINIUM DELPHINA  
PINK WHITE BEE



DELPHINIUM  
GUARDIAN BLUE





DELPHINIUM MAGIC  
FOUNTAINS MIX



DELPHINIUM PACIFIC  
GIANT BLACK KNIGHT



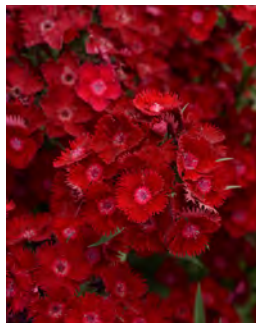
DELPHINIUM PACIFIC  
GIANT MIX



DELPHINIUM RED LARK



DIANTHUS BARBARINI MIX



DIANTHUS ROCKIN' RED



DIGITALIS CANDY  
MOUNTAIN ROSE



DIGITALIS DALMATIAN  
PURPLE



DIGITALIS DALMATIAN MIX



DIGITALIS FOXY

is mildew resistant and heat and frost tolerant. Mounded habit. Height 14-16". Spread 16-18". Zones 5-9. Propagation prohibited.

**UpTick™ Gold Bronze** 🌞 - Award winning series, providing summer-long blooming, tidy habit, and good landscape or container performance. Low maintenance and mildew resistant. Height 12-14". Zones 5-9.

## Delphinium 🌞 ☁️

(del-FIN-ee-um) | "Perennial Larkspur"

A very showy perennial displaying elegant spikes in May-August. Best in deep, fertile soil. Excellent background or accent, lovely for cutting. Stake tall varieties. Trim faded flowers to encourage side shoots. Keep evenly moist. (Note: plant juices are known to poison cattle.) Good in 1 qt - 2 gal containers.

**Delphina™** 🌞 - A naturally dwarf delphinium which needs little to no pgr. Well branched plants are nice for pot crops or planted in middle of beds. Sturdy stems. Height 18-20". Zones 3-9.

**Dark Blue White Bee**

**Light Blue White Bee**

**Pink White Bee**

**Guardian Blue** 🌞 - F1 hybrid, summer-flowering series. Very uniform and "programmable". Height 24-36". Zones 3-7.

**Magic Fountains Mix** 🌞 - Dwarf, early variety, 2-2½ ft tall, similar in type to the Pacific Giants. Good for windy locations where taller varieties may get damaged. Zones 3-7.

**Pacific Giant** 🌞 - Favorite, old-fashioned variety with elegant flower stalks. Well suited as a background, especially against a wall or fence. Height 5-6'. June-July blooms. Zones 3-7.

**Black Knight** - dark blue with black bee.

**Mix** - formula mix of all colors.

**Red Lark** 🌞 - Stop and admire a stunning show of color! Densely packed, coral-red flower spikes sit on sturdy upright stems. Will need to be staked if subjected to heavy rains or winds. Use in borders, large pots and containers. Height 26-28". Spread 16-18". Zones 5a-8b.

## Dianthus - barbatus 🌞

(di-AN-thus) | "Sweet William"

Self-seeding biennial bears clusters of showy blossoms in late spring. Excellent for cutting or bedding. Remove faded flowers to encourage new growth. Blooms May-June. Good in 1 qt - 1 gal containers.

**Barbarini® Mix** 🌞 - F1 hybrid. Sweet William is an old fashioned cottage garden plant that usually grows as a self seeding biennial. This dwarf strain produces showy clusters of fragrant flowers in shades of lavender, purple, rose and red. Terrific in containers or borders. Attracts butterflies and repels deer. Height 6-8". Garden height 8-10". Zones 2-9.

**Rockin'™ Red** 🌞 - Brilliant, deep red, long-lasting color is sure to please customers and gardeners. Durable in the landscape and good overwintering. Finishes quickly—only 8-9 weeks in a gallon. Height 18-24". Zone 5-8.

## Digitalis 🌞 ☁️

(dih-jih-TAL-lis) | "Foxglove"

Beautiful, old fashioned flowers. Excellent for backgrounds. Plants are biennials, readily reseeding. Blooms June - July. Likes moist, rich soil and partial sun. Note: leaves are poisonous. 1 qt - 2 gal containers. Do not allow to dry out.

**Candy Mountain Rose** - Especially interesting because its flowers face upward, rather than the usual pendulous florets. Bright rose pink blooms with spotted throats are easily visible. Very strong, upright stems. Height 3-4'. Zones 4-9.

**Dalmatian** 🌞 - Dalmatian Series is fully first year flowering, one of the earliest on the market. Uniform in height and flower time among the colors. Full sun. Height 16-20". Zones 5-9.

**Purple**

**Mix**

**Foxy** 🌞 - A soft mix of rose, lavender, cream, yellow, red and white flowers tops the 30-36" plants. Huge flowers. Zones 4-9.





## Echinacea purpurea 🌻

(eh-ki-NAY-see-ah) | "Purple Coneflower"

Outstanding cut flower. Will attract hummingbirds, butterflies and songbirds all season as well as help repel deer. Blooms July-September. Good in 1qt-2 gal containers. Useful for cutting. Has medicinal uses too.

**Cheyenne Spirit** 🌻 - First-year bloomer. Features sought-after shades of red, orange, purple, scarlet, cream, yellow, and white. Extremely well-branched plants, suitable for gallons and quarts. Drought tolerant, full sun. Attractive to birds and butterflies. Height first year 18-24", following years 22-30". Zones 4-10.

**Double Scoop™** 🌻 - Features abundant, fully double blooms that boast vivid colors both in the petals and matching color in the cone. Grown from virus-indexed stock. Superior branching, compact habit, good overwintering. Height 22-24". Zones 4-9. Propagation prohibited.

**NEW Orangeberry Deluxe**

**NEW Strawberry Deluxe**

**Green Twister** 🌻 - Lime green with purple center and petals curving forward makes this an outstanding echinacea. Height 24-36". Zones 3-9.

**Magnus** 🌻 - Produces huge reddish-pink cone flowers with deep orange centers. Easy to grow and withstands drought, humidity and harsh winter conditions. A great pollinator plant. Height 36". Spread 18-24". Zones 4-9.

**NEW PollyNation Magenta** 🌻 - Beautiful magenta flowers stand out on the patio, in the landscape or as a bedding plant in the garden. Has a well branched habit with excellent heat and drought tolerance. Height 24-28". Spread 16-20". Zones 4-9.

**PowWow®** 🌻 - Breakthrough breeding brings more flowers per plant in both the first and second year. White and Wild Berry are well matched in habit and bloom time. Height 20-24". Bloom size 3-4". Zones 4-10.

**White**

**Wild Berry** - AAS Winner

**Sombrero®** 🌻 - Extremely floriferous, with brilliant colors. Flat flower form, not as deeply reflexed, truly resembles a sombrero. Excellent habit for pot production for a great show at retail. Well matched series in habit and timing. Grown from virus-indexed stock. Good winter hardiness, excellent branching. Height 18-20". Spread 22-24". Zones 4-9.

**Fiesta Orange**

**Lemon Yellow** - brilliant golden yellow

**Salsa Red**

**Tres Amigos** - opens in a peachy-coral. Ages to rose, and fades to burgundy.

**SunSeekers** - 🌻 - First-year bloomer. SunSeekers features a unique array of flower colors on a single plant! Produces masses of flowers with vibrant colors that don't fade. Has exceptional vigor and a dense habit. Attracts butterflies and hummingbirds. Deer resistant. Use in beds, borders, containers or mass plantings. Height 18-24". Spread 18-24". Zones 4-9.

**NEW Golden Sun**

**NEW Mineola** - orange/tangerine flowers with a large brown cone



ECHINACEA  
CHEYENNE SPIRIT



ECHINACEA DOUBLE SCOOP ORANGEBERRY DELUXE



ECHINACEA DOUBLE SCOOP STRAWBERRY DELUXE



ECHINACEA GREEN TWISTER



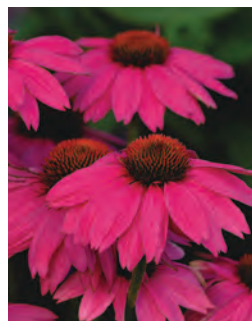
ECHINACEA MAGNUS



ECHINACEA POLLYNATION MAGENTA



ECHINACEA POWWOW WHITE



ECHINACEA POWWOW  
WILD BERRY



ECHINACEA SOMBRERO  
FIESTA ORANGE



ECHINACEA SOMBRERO  
LEMON YELLOW



ECHINACEA SOMBRERO  
SALSA RED



ECHINACEA SOMBRERO  
TRES AMIGOS





ECHINACEA SUNSEEKERS  
GOLDEN SUN



ECHINACEA SUNSEEKERS MINEOLA



ECHINACEA SUNSEEKERS  
RAINBOW



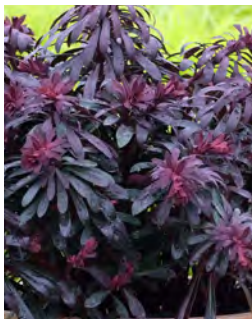
ECHINACEA SUNSEEKERS  
SALMON



ECHINACEA SUNSEEKERS SWEET FUCHSIA



EUPHORBIA ASCOT RAINBOW



EUPHORBIA MINER'S MERLOT

**Rainbow** - shades of coral, lavender, pink and salmon

**NEW Salmon** - starts out with shades of pink, salmon, rose and yellow with a green cone, then matures to a soft pink with crimson cones

**NEW Sweet Fuchsia** - fuchsia/pink petals with green cones that will darken with age

**NEW Tequila Sunrise** - two-toned golden yellow with orange/red centers

## Euphorbia

(yew-FOR-bee-ah) | "Cushion Spurge"

From the family to which poinsettias belong, these also have a bract rather than a flower and contain milky sap, which may cause skin irritation. Will tolerate full sun in the North, but prefers some afternoon shade. In early spring the bracts cover the "cushions", making a showy display. May also have colorful foliage, especially in the fall.

**Ascot Rainbow** - Selected for the "rainbow" of colors in its flowers and foliage. Green-blue and cream variegated leaves deepen to pink and red in cooler temperatures. Cream, blue-green, and red bracts. Bushy and compact. Height 20". Spread 20". Extremely heat and drought tolerant. Zones 5-9. Propagation prohibited.

**Miner's Merlot** - Presents a striking foliage combination with dense, dark foliage underneath and deep raspberry new growth on top. Lime-green 'flowers' add even more color. Its vigorous, mounding habit is perfect in mixed containers or landscapes. Height 24". Spread 24". Zones 6-9. Propagation prohibited.



ECHINACEA  
SUNSEEKERS  
TEQUILA  
SUNRISE






## Gaillardia

(gay-LAR-dee-ah) | "Blanket Flower"


Vigorous plants for average to poor, well drained or dry soils. Tolerates heat and drought. Short-lived in moist, fertile soil. Intolerant of heavy, wet, winter conditions. Remove faded flowers for continued display. Good for natural plantings, cutting and drying. Blooms all summer. Good in 1 qt - 1 gal containers.

**Arizona**  - Excellent branching habit. Great for hot weather and a top selling perennial. Suitable for pot crops, mixed containers and perennial beds. Height 8-10". Zones 2-10.

**Apricot** - AAS Winner


**Red Shades**

**Sun** - AAS Winner. Red and yellow bicolor.

**Mesa**™  - A vigorous F1 hybrid. Well branched and early blooming, suitable for pot crops. Height 16". Zones 5-9.

**Bright Bicolor** - yellow-red bicolor

**Red** - brighter, more consistent red, plus one week earlier than Arizona Red

**SpinTop**  - Developed specifically for container production, but still attains full garden performance. Dazzling, large blooms on compact plants. Height 8-12". Zones 3-9. Propagation prohibited.

**Mariachi Copper Sun** - orange, red and yellow spoon-like flowers

**Orange Halo** - intense orange, with yellow outer ring

**Red** - red with dark red centers

**NEW Red Starburst Improved** - yellow with red center



GAILLARDIA SPINTOP RED  
STARBURST IMPROVED



GAILLARDIA ARIZONA  
APRICOT



GAILLARDIA ARIZONA  
RED SHADES



GAILLARDIA ARIZONA SUN



GAILLARDIA MESA BRIGHT BICOLOR



GAILLARDIA MESA RED



GAILLARDIA SPINTOP  
MARIACHI COPPER SUN



GAILLARDIA SPINTOP  
ORANGE HALO



GAILLARDIA SPINTOP RED



GAURA BALLERINA ROSE



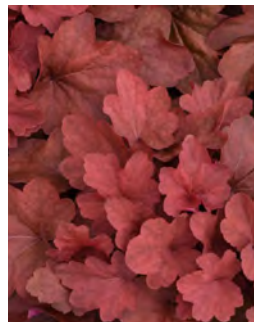
GAURA BALLERINA WHITE



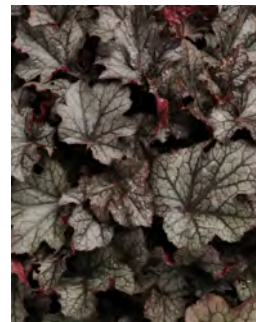
GAURA PASSIONATE BLUSH



HELIOPSIS SUNSTRUCK



HEUCHERA CARNIVAL  
CINNAMON STICK

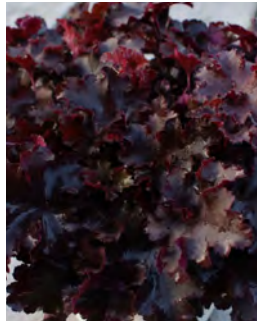


HEUCHERA CARNIVAL  
PLUM CRAZY





HEUCHERA CARNIVAL  
ROSE GRANITA



HEUCHERA INDIAN  
SUMMER BLACKBERRY



HEUCHERA INDIAN  
SUMMER CHERRYBERRY



HEUCHERA INDIAN  
SUMMER LIMEBERRY



HEUCHERA INDIAN  
SUMMER MULBERRY



HEUCHERA INDIAN SUMMER ORANGEBERRY



HEUCHERA INDIAN SUMMER SILVERBERRY



HEUCHERA INDIAN  
SUMMER SPLASHBERRY




HEUCHERA MAGMA

## Gaura


(GAU-ra) | "Indian Feather"

Gaura is one of the longest-blooming flowers in the garden; very graceful. Blooms June-October. Good in 1 qt - 1 gal containers. These all blossom the first year. Drought tolerant. Propagation prohibited.

**Ballerina™**  - Displays striking flowers and dark foliage on compact, upright, well-branched plants. Continuous blooming from late spring until fall. These "airy" plants are well suited to landscapes and mixed containers. Attracts hummingbirds and are deer resistant. Height 12-18". Spread 12-14". Zones 6-9. Propagation prohibited.


### Rose

**White** - one of the most compact Gauras!

**Passionate Blush**  - Light pink with dark foliage, medium flower. Height 18-20". Zones 6-8.

## Heliopsis

(hee-le-OP-sis) | "False Sunflower"

**Sunstruck**  - Compact mounded habit, with big showy bright yellow flowers on variegated foliage. Stays in flower all summer long. Good for 1 gallon containers or in gardens in well drained soil. Likes full sun. Height 14-16". Width 12-14". Zones 4-9. Propagation prohibited.

## Heuchera

(HEW-ker-ah) | "Coral Bells"

Spikes of tiny, bell-shaped florets top low, mounded foliage. Prefers rich, well-drained soil. Tolerates stony locations. Use mulch in winter where frost heaving occurs. Good for edging and borders. Deadhead for best results. Blooms May to July. Does well in 1 qt - 1 gal containers. Deer and rabbit resistant. Heights are indicating the leaf structure, not the flower scapes. Propagation prohibited.

**Carnival** - A beautiful palette of foliage awaits in the Carnival series. These heat tolerant villosa types make an excellent choice for shady beds or containers. Note that temperatures affect the coloration. Will also display blooms for up to 5 months. Height 10-12". Zones 4-9.

### Cinnamon Stick

### Plum Crazy

### Rose Granita

**Indian Summer** - Indian Summer has a wide range of colors to choose from. This compact series has outstanding heat and sun tolerance, and can be grown with minimal shade. Use in combinations, gardens and containers. Height 16". Zones 4-9.

### Blackberry

### Cherryberry

### Limeberry

### Mulberry

### NEW Orangeberry

### NEW Silverberry

### Splashberry

**Magma** - Starts off bright pink or purple, then turns vibrant red and burgundy in autumn. Its leaves can grow up to 8" across. Has a tidy habit with clusters of pink blossoms on 30" stems, in early summer. Height 14". Spread 24". Zones 4-9.





## Hibiscus 🌞

(hi-BIS-kes) | "Common Mallow"

**Not available to ship until week 6.**

**Luna™** 🌞 - Dramatic and impressive, Luna's huge 6-8" flowers are produced on big, bushy well-branched plants. Excellent in large containers. Grows 2-3' high with a spread of 2', so is best suited to 6" or larger pots. Zones 5-9. Propagation prohibited.

**Pink Swirl** - Flowers have dark eye and pink picotee pattern, being darker on the edge of the petals and lighter towards the center. Slightly shorter variety.

**Red** - Rich red flowers.

**Rose** - Deep, clear rose. Slightly earlier than others in the series. Largest flowers of the Lunas.

**Mix**



HIBISCUS LUNA PINK SWIRL



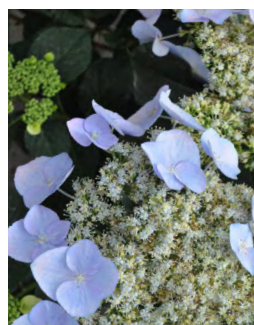
HIBISCUS LUNA RED



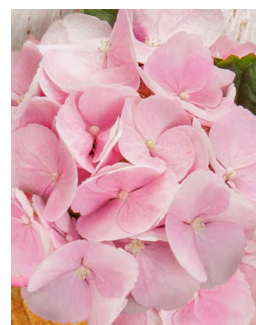
HIBISCUS LUNA ROSE



HIBISCUS LUNA MIX



HYDRANGEA GAME CHANGER BLUE



HYDRANGEA GAME CHANGER PINK

## Hydrangea hybrida 🌞☁️

(hy-DRAN-gee-uh) | "Hydrangea serrata"

**Game Changer®** 🌞☁️ - An exciting addition to your perennial program! These hydrangeas are completely day length neutral, with no vernalization required. The enormous lace cap blossoms take only 8 weeks from a rooted cutting to full flower. Pinch liner at planting. Will bloom continuously until frost. Height 24-28". Spread 24-28". Zone 5. Propagation prohibited.

**Blue** - needs aluminum sulphate for blue coloring

**Pink**

## Iberis 🌞

(eye-BEER-is) | "Candytuft"

**Mermaid Lavender** 🌞☁️ - A true lavender Iberis with lush evergreen mounded foliage. Boasts more heat tolerance than most Iberis. Deer and rabbit resistant and attracts bees. Height 15-18". Zone 5. Propagation prohibited.

**NEW Summer Snowdrift** 🌞☁️ - A pure white Iberis that is a tender perennial in the South and an annual in the North. High heat and frost tolerance. Blooms spring through late summer. Height 10-12". Spread 12-14". Zones 6-9. Propagation prohibited.



IBERIS MERMAID LAVENDER



IBERIS SUMMER SNOWDRIFT

## Kniphofia 🌞

(ny-FOH-fee-ah) | "Red Hot Poker"

**Flamenco Mix** - 30" bloom spikes of creamy white, yellow, orange, red, or shades of all 4 colors. May bloom up to 50% in the first year. Blooms August-September. Full sun. Excellent for fall color. Good in 1 qt-1 gal containers. Zones 6-9.



KNIPHOFIA FLAMENCO MIX



LEUCANTHEMUM BETSY



LEUCANTHEMUM REAL GOLDCUP



LEUCANTHEMUM CRAZY DAISY



LEUCANTHEMUM MADONNA





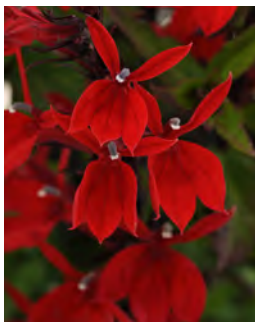
LEUCANTHEMUM WHITE LION



LIATRIS FLORISTAN VIOLET



LUPINUS GALLERY  
MINI BLUE BICOLOR



LOBELIA STARSHIP SCARLET



LUPINUS GALLERY MINI RED



LUPINUS GALLERY  
MINI YELLOW





LUPINUS GALLERY MINI MIX


## Leucanthemum

(lew-KANTH-ih-mum) | “Shasta Daisy”


Free flowering, summer daisies with deep green, coarsely, toothed foliage. Good for borders or massed plantings; long lasting cut flowers. Remove spent flowers to encourage re-blooming. Blooms June-July. Good in 1-2 gal pots.

**Betsy**  - The world’s largest leucanthemum flowers! Striking anemone-type daisy flowers are 5-6" across, displaying white petals with yellow-green centers. A compact plant suited for beds, borders or mass plantings. Drought tolerant and pollinator friendly. Height 18-24". Spread 24". Zone 4.

**Crazy Daisy**  - Height 24-28". Crazy Daisy is the first medium tall variety with a high percentage of fully double flowers. White with a yellow eye; flowers are approximately 2½" in diameter. Many of the flowers have quill type petals giving it a very special “fluffy” look. Splendid in the garden planted in clusters or as a back border. Zones 5-8.

**Madonna**  - Very dwarf leucanthemum displaying 2½-3" flowers with yellow centers. Will finish in quarts or large containers (using multiple plugs). Upgrades Leucanthemum, Snow Lady. Height 8-10". Spread 8-12". Zones 5-9.


**NEW Real Goldcup** - Beautiful sunshine yellow flowers with golden centers. Deadhead to encourage continuous blooms. This plant puts on a show in pots, containers, gardens and landscapes or as cut flowers. Drought tolerant once established. Height 36". Spread 18". Zone 5. Propagation prohibited.

**White Lion**  - A Spring Shasta! This unique compact seed Leucanthemum can be grown under short days (10-hour daylength requirement) – perfect for early spring sales! An alternative to vegetative varieties, and doesn’t require vernalization. Clear white flowers with yellow centers sit on compact, sturdy plants. New flowers will come in on top of the older ones. Uniform height and habit. Use White Lion for early spring and Madonna (requiring critical daylength of 14½ hours) for late spring into summer. Height 8-10". Spread 8-12". Zones 3-9.

## Liatris

(lee-AH-tris) | “Blazing Star”


Excellent cut flowers, fresh or dried. Blooms July-September. Attracts butterflies and hummingbirds all season. Prefers sandy soil and is drought tolerant in summer, but dislikes excessive moisture during winter. Good in 1 qt-2 gal containers.

**Floristan Violet**  - An upright clump-forming plant that towers to the sky with its tall violet flower spikes. It is visually spectacular when massed together along a border or as a garden accent. Easy to grow, hardy and disease resistant. Height 48". Zones 4-8.

## Lobelia

(lo-BEE-le-ah) | “Cardinal Flower”


Excellent for cut flowers or border plants. Short-lived tender perennial. Bloom July-September. Very adaptable, even likes wet areas.

**Starship™ Scarlet**  - Fiery red flowers with bronze/green foliage. Starship makes an impressive structural plant for pots, mixed containers and landscapes. Suitable for 5" up to 2 gallon pots. Bloom time 12 -16 weeks from transplant. Height 20-24". Zones 6 -10.

## Lupinus

(loo-PINE-us) | “Lupine”

Well known in the Northeast for their drifts of color in early summer. Prefers rich, moist, well-drained, neutral-to-acid soil. Reseeds itself. Especially nice as mass planting.

**Gallery Mini**  - A shorter Lupinus that will compliment your containers and window boxes. Also great as a low bedding plant. No need to prune or PGR. An early variety that will bloom all summer long with densely packed flower spikes. Height 12-18". Spread 16-18". Zones 4-8.

**NEW Blue Bicolor**

**NEW Red**

**NEW Yellow**

**NEW Mix**






## Monarda


(moh-NAR-dah) | “Bee Balm”

Monardas are loved by bees, butterflies, hummingbirds, and most gardeners, too! Fragrant, sun-loving, invasive, and showy, they display their blooms mid-summer to early fall. Watch for mildew-resistant varieties and provide consistent moisture for best success.

**Balmy™**  - Compact, free-flowering and extremely powdery-mildew resistant. First year flowering, excellent for gallon production. Very friendly to pollinators, but resistant to deer and rabbits. Height 10-12". Zones 4-9. Propagation prohibited.

**Purple**

**Rose**

**NEW Sugar Buzz Cherry Pops™**  - Fragrant cherry/red flowers with upright, scented foliage is a magnet for bees, butterflies and hummingbirds. Very low maintenance, heat and frost tolerant. Deer resistant. Height 14-24". Spread 16-32". Zones 4-8. Propagation prohibited.

## Myosotis

(my-o-SO-tis) | “Forget-me-not”


Masses of bright flowers. Uniform, compact globe shaped plants. Short-lived perennial. May-June blooming. Must have moist soil and prefers cool location. Will reseed if spent flowers not removed.

**Bellamy Blue™**  - A Fleuroselect Gold Medal winner for 2022. Brilliant tiny blue flowers with small yellow centers sit atop well branched, compact plants. Excellent for early spring and fall pot programs. No vernalization required! Height 6-8". Spread 6-8". Zones 4-8.

## Nepeta

(NEP-eh-tah) | “Catmint, catnip”

Nepeta is best known for its fragrance, grayish leaves, and attraction to cats. Makes a fine, colorful mass planting or accent plant, mixing well due to its silver leaves. Also suitable for cutting. Well-drained soil.

**Whispurr™ Blue**  - Produces beautiful blue plumes. Height 24-28". Spread 18-22". Zone 4. Propagation prohibited.

## Papaver orientale

(pa-PAH-ver) | “Oriental Poppy”

A very showy and popular plant, blooming in early summer and “retiring” when it gets hot. For this reason, they are seldom used in the Deep South and may need to be planted with “filler” plants that will occupy their space in the mid to late summer. Flowers are large and satiny, often with a splash of deep color at the base of the petals. Seed pods are decorative also.


**Brilliant** - Wildfire-red blossom. Height 30". Zones 3-7.

**Pizzicato Mix** - Dwarf mix of red, scarlet, orange, salmon, mauve, pink, and white. Height 20". Zones 2-7.

**Princess Victoria Louise** - Beautiful salmon pink. Height 30". Zones 2-7.

## Perovskia atriplicifolia

(pe-ROF-skee-a) | “Russian Sage”

**CrazyBlue™**  - Violet-blue flower spikes arise from the lacy, gray-green aromatic foliage, adding an airy feel to the landscape. Its sturdy, controlled habit has unique interlacing branches that will stand up to shipping with less breakage, and won't fall apart in the wind and rain. Great in gardens, landscapes and patio containers. Blooms summer to late summer and is heat tolerant. Deer and rabbit resistant. Height 16-18". Spread 14-16". Zones 4-9. Propagation prohibited.

## Phlox paniculata

(flocks) | “Garden Phlox”

Well-loved as a feature in the cutting garden as well as in the border. Watch for mildew resistant varieties or use preventative measures. Good in 1 qt - 2 gal containers. Blooms July-September.



MONARDA BALMY PURPLE



MONARDA BALMY ROSE



MONARDA SUGAR BUZZ CHERRY POPS



MYOSOTIS BELLAMY BLUE



NEPETA WHISPURR BLUE



PAPAVER BRILLIANT



PAPAVER PIZZICATO MIX





PAPAVER PRINCESS  
VICTORIA LOUISE



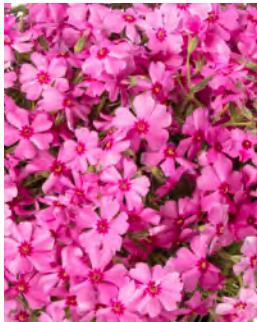
PHLOX BRIGHT EYES



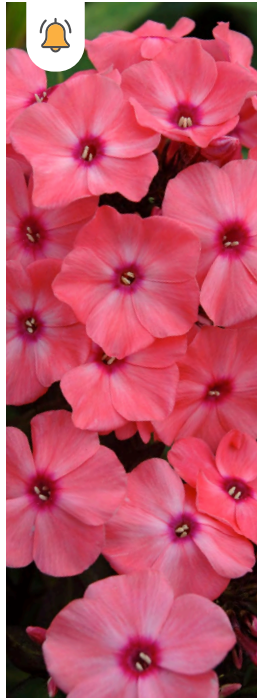
PHLOX FLAME PINK



PHLOX CANDY STRIPE



PHLOX GOLDIPHLOX CHERRY



PHLOX CANDY STORE  
CORAL CRÈME DROP



PHLOX FLAME PURPLE EYE



PHLOX EMERALD BLUE



PHLOX RED WINGS



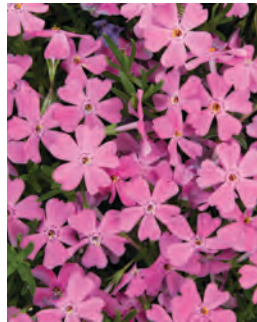
PEROVSKIA CRAZYBLUE



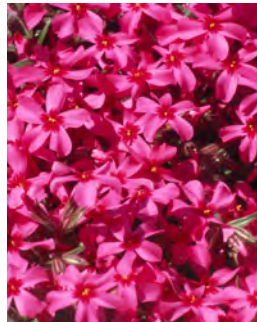
PHLOX FLAME CORAL



PHLOX LAURA



PHLOX EMERALD PINK



PHLOX SCARLET FLAME

**Bright Eyes** - Soft pink flowers with prominent hot pink eye. Height 36". Zones 4-8.

**NEW Candy Store Coral Crème Drop** - Gorgeous, coral/salmon scented flowers with dark centers sit on deep green branched foliage. Blooms early summer until fall. Hummingbirds love it. This mildew resistant, compact variety is perfect for border plantings, combinations, small urban gardens and cut flowers. Height 18-24". Spread 18-24". Zones 3-9. Propagation prohibited.

**Flame™** 🌸 - A group of naturally dwarf, compact varieties, well suited to pot production and great performance in the garden. Good disease resistance, especially to powdery mildew and a bushy habit make this an outstanding addition to your program. Height 18". Zones 3-8. Propagation prohibited.

**Coral** - bright orange-coral

**Pink**

**Purple Eye**

**Laura** - Fragrant fuchsia-purple blooms with white star. Height 24-30". Zones 4-8.

## Phlox subulata 🌞 ☁️

*"Creeping Phlox"*

Evergreen mats of short, pine needle like foliage. Brilliant, early spring color. Blooms April-May. Full sun to partial shade. Does well in 1qt- 2 gal containers. Height 4-6".

**Candy Stripe** - White flowers with a bold pink brushstroke down each petal. Zones 2-9.

**Emerald Blue** - Medium blue flower. Zones 2-9.

**Emerald Pink** - Pink. Zones 2-9.

**GoldiPhlox™** - This Phlox brings a beautiful blanket of color to your yard. Similar spreading growth habits and flowering times makes GoldiPhlox a well matched series. Incredibly uniform plants will bloom in early Spring. Height 3-6". Spread 12-14". Zones 3-9.

**Cherry**

**White**

**Red Wings** - Deep crimson blooms with dark red centers. Zones 2-9.

**Scarlet Flame** - Vivid scarlet. Zones 2-9.



PHLOX  
GOLDIPHLOX  
WHITE






## Platycodon

(pla-te-KOH-don) | *"Balloon Flower"*

Unique balloon-shaped buds open into large 3" bell-shaped flowers with 5 pointed lobes. Good in 1 quart containers.

**Astra**  - This series offers continuous flowering making it an excellent choice for pots, containers, and the garden. Exceptional branching; compact and uniform plant habit. Zones 3-8.


Blue

Pink

## Polemonium

(puh-LEM-oh-nee-um) | *"Jacob's ladder"*


Polemonium is a flowering plant with delicate, fern-like leaves and clusters of small, bell-shaped flowers.


**NEW Golden Feathers**  - An exciting gold-green variegated polemonium that will stand out in your shade gardens. Golden Feathers has bluish/purple flowers that will bloom late spring and into the summer months. Attracts bees. Deer resistant. Height 6-8". Spread 12-14". Zones 5-9. Propagation prohibited.


## Rudbeckia


(rud-BEK-e-ah) | *"Black Eyed Susan"*

Tall, showy, long lasting blossoms from midsummer to fall. Grows rapidly in fertile, loose soil. Excellent for cutting. Note that seed types are best treated as an annual or short lived perennial. Good in 1 qt to 2 gal containers.


**Amarillo Gold**  - AAS, and 2020 Fleuroselect Gold Medal Winner! An eyecatcher with large 4-6" golden flowers with green centers. This bushy, compact plant is earlier to flower and shows color from spring to fall, giving a wow factor in any garden. Great for containers or landscapes. Deadheading is recommended. Height 12-18". Tender perennial.

**NEW American Gold Rush**  - AAS Winner. 2023 Perennial Plant of the Year. Displays masses of beautiful deep yellow, daisy like flowers with a brown/black center cone. This upright, clump forming variety will last all summer in landscapes and gardens. Works for borders, containers, and cut flowers. Deer and rabbit resistant. Polinator friendly. Height 22-27". Spread up to 40" if given enough room. Zones 4-9. Propagation prohibited.

**Autumn Colors**  - Fleuroselect Quality Mark - gigantic 5-7" flowers have variable red rings and brown centers. Very striking! Blooms all summer. Tender perennial. Garden height 20-24".

**Cherry Brandy**  - Unique cherry-red blooms with dark rings and black tones. Excellent for beds, borders and cut flowers. Flowers are 3-4" in diameter. Height 24". Tender perennial.

**Goldblitz**  - Fleuroselect Gold Medal winner. A first year flowering Rudbeckia that is cold hardy - a breakthrough! Goldblitz will replace Goldsturm, with a slightly smaller flower and leaf size but just as beautiful! Blooms Summer, late Summer and Autumn. 2-3 weeks earlier than Goldsturm. Height 24-28". Spread 14-18". Zones 3a-9b.

**Indian Summer**  - AAS Winner. Large 6-9" golden yellow single and semi-double blooms.



PLATYCODON ASTRA BLUE



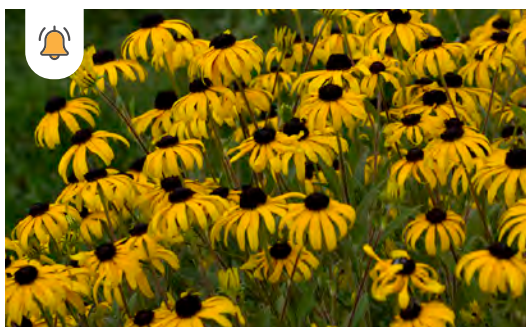
POLEMONIUM GOLDEN FEATHERS



PLATYCODON ASTRA PINK



RUDBECKIA AMARILLO GOLD



RUDBECKIA AMERICAN GOLD RUSH



RUDBECKIA AUTUMN COLORS



RUDBECKIA CHERRY BRANDY



RUDBECKIA GOLDBLITZ



RUDBECKIA INDIAN SUMMER



RUDBECKIA PAWNEE SPIRIT



RUDBECKIA RISING SUN CHESTNUT GOLD





SAGINA LIME MOSS



SALVIA BLUE BY YOU



SALVIA MARVEL BLUE



SALVIA MARVEL ROSE



SALVIA NEW DIMENSION BLUE



SALVIA BODACIOUS  
RHYTHM & BLUES



SCABIOSA FLUTTER  
DEEP BLUE



SEDUM AUTUMN FIRE



SEDUM AUTUMN JOY

Outstanding basal-branching habit that does not require staking. Early flowering. Outstanding garden performance and also used as cut flower. Tender perennial. Height 36".

**NEW Pawnee Spirit** 🌻 - A compact sister to Denver Daisy, Pawnee Spirit is yellow with a larger dark center. Outstanding garden performance with great rain tolerance. Very early and uniform flowering. Height 20". Tender perennial.

**Rising Sun Chestnut Gold** 🌻 - Large 5-6" bicolor flowers. Will produce up to 25 flowers on the same plant, making a showy display. They are day-length neutral, meaning you can program for a full bloom any time of the year! Height 18-26". Zone 7.

## Sagina 🌞☁️

(sa-GEEN-ah) | "Irish Moss"

A carpet-like green ground cover useful in containers, around flagstones, or as an under-planting.

**Lime Moss** - This vivid lime-green moss is so pretty in mixed containers or in rock gardens. Zones 4-7.

## Salvia 🌞

(SAL-vee-ah) | "Meadow Sage"

**Blue by You** 🌻 - 2023 AAS Winner. A huge improvement over "May Night". Long lasting blue-violet spikes bloom May-July and will often re-bloom in September. Good in 1 qt.-2 gal. containers. Garden height 12-14". Zones 4-7.

**Marvel** 🌻 - Ideal as a premium product as a pot plant or in mixed containers. Super performance in the landscape, blooming from March to September. Make an amazing show, even in the first year. Zones 4-9. Propagation prohibited.

**Blue** - huge blooms of bright two tone blue.

**Rose** - huge rose bloom.

**New Dimension Blue** 🌻 - Full, compact, and well-branched plants are long-lasting in the landscape. Deepest blue from seed. Suitable for pot crops without the need for PGR's. Height 8-10". Zones 4-7.

## Salvia guaranitica 🌞

(SAL-vee-ah) | "Sage Blue Anise"

This large, woody perennial can be used as a hedge or tall border. Extremely popular with pollinators. Suitable for production in gallons or larger. Treat as an annual in the north where it is not hardy.

**Bodacious® Rhythm & Blues** 🌻 - A gorgeous early blooming hybrid series that freely re-blooms throughout the season. Tall spikes of colorful saturated blue flowers with black calyx. Rounded clumping habit with a long blooming season. Height 18" in gallons, up to 36" in garden. Zones 8-10. Propagation prohibited.

## Scabiosa 🌞☁️

(skay-bee-OH-sah) | "Pincushion Flower"

Known as "pincushion flower", the tufted 3-4" flowers appear to be stuck with pins. Lovely blooms for all season cutting. Excellent in cooler climates. Suitable for 1 quart - 2 gal containers. Good for butterflies.

**Flutter™ Deep Blue** 🌻 - High mildew resistance and short flower stems make this plant an excellent choice for gallon programs. April to September blooming window. Height 12-14". Zones 5-9. Propagation prohibited.

## Sedum upright 🌞

(SEE-dum) | "Stone Crop"

Showy and versatile, ranging from creeping groundcovers to cut flowers, sedums add interest all season. Very drought tolerant. Blossoms can be left on tall varieties through the winter, adding interest to the landscape and food for birds.

**Autumn Fire** 🌻 - Denser and more robust habit than Autumn Joy. Flowers start blue-green, opening to pink, then darkening to red and finally bronze. Height 24-30". Zones 3-9.

**Autumn Joy** 🌻 - Extremely popular. Rose blooms mature to bronze. Late summer to mid-fall. Flowers start blue-green, opening to pink, then darkening to deep ruby red and bronze. Height 24". Zones 3-10.





**Birthday Party** 🌸 - Huge deep rose/pink flowers sit atop compact, mounding foliage. Green tipped, purple-maroon foliage gives added color before blooms appear August to October. Height 7" and with flowers 11". Spread 20". Zones 4-9. Propagation prohibited.

**Cherry Truffle** 🌸 - An attractive sedum that starts with green, purple and red foliage in spring, and then turns glossy red black with the hot summer sun. Pink flowers will appear mid-July. Height 16". Height 24" with flowers. Spread 18". Zones 4-9. Propagation prohibited.

## Stachys 🌞

(STAK-is) | "Lamb's Ear, Woolly Betony"

**Byzantina** - Grown mainly for its woolly, silvery gray foliage. The low spreading foliage contrasts well with spikes of small, violet-pink blooms. Excellent for rock gardens. Spring bloomer. Height 14-16". Good in 1 qt - 2 gal containers. Zones 4-8.

## Thymus 🌞

(TIME-us) | "Wild Thyme"

**Creeping** - Creeping plants with sweet scented foliage covered with purplish-rose flowers. Evergreen leaves turn bronze in the fall. Blooms summer-fall. Height 6". Zones 4-10.

**Woolly Thyme** - An easy care variety with tiny, felted gray-green leaves. Rarely flowers, used as a groundcover or filler between paving stones. Drought tolerant. Height 2-5". Zones 4-10.

## Verbena bonariensis 🌞

(ver-BEEN-ah) | "Brazilian Verbena"

Especially showy in mass planting in the middle of a border, with taller plants behind. Upright, branching flower stems are attractive to butterflies. Not particularly hardy, but re-seeds itself so continues for many years. Drought-tolerant once established. Deer resistant.

**Vanity** 🌸 - AAS Winner. Fleuroselect Gold Medal Winner. A lovely compact version of verbena, this variety gives off an airy appearance with its purple-violet flower clusters on freely branching plants. Perfect in gardens or containers. Slightly scented. Height 30". Spread 24". Zone 7.

## Veronica 🌞☁️

(ve-RON-i-ca) | "Ironweed"

**Skyward** 🌸 - This variety reaches for the sky with its dense, upright habit and high flower count! Skyward offers continuous blooming late Spring through Summer. Pollinator friendly and mildew resistant. Height 14-18". Spread 14-18". Zone 4. Propagation prohibited.

Blue

Pink

## Vinca minor ☁️

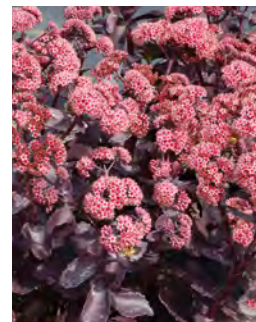
(ving-ka) | "Common Periwinkle, Common Myrtle"

A spreading groundcover plant, excellent for shade and moist areas, especially good for erosion control on hillsides.

**Bowles** - Small glossy green leaves and small blue flowers. Height 4-6". Spread up to 3'. Zones 4-9.



SEDUM BIRTHDAY PARTY



SEDUM CHERRY TRUFFLE



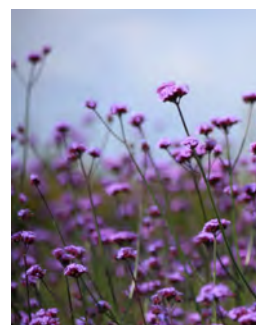
STACHYS BYZANTINA



THYMUS CREEPING



THYMUS WOOLLY THYME



VERBENA VANITY



VERONICA SKYWARD BLUE



VERONICA SKYWARD PINK

















































































VINCA MINOR BOWLES

PHOTO COURTESY WALTERS GARDENS, INC



# USES GUIDE

\* SPECIFIC USES OF PERENNIALS VARY BY VARIETY. THIS GUIDE IS INTENDED FOR GENERAL REFERENCE ONLY.

     Achillea*	     Echinacea*	    Papaver
     Agastache	    Euphorbia	     Perovskia
    Ajuga	      Gaillardia*	    Phlox*
     Alcea*	     Gaura	     Platycodon*
   Aquilegia	    Heliopsis	   Polemonium
    Armeria	   Heuchera	    Rudbeckia*
     Asclepias	    Hibiscus	   Sagina*
   Bellis	    Hydrangea	     Salvia*
    Brunnera	     Iberis	    Scabiosa
    Buddleia	    Kniphofia	     Sedum*
      Campanula	    Leucanthemum	   Stachys
  Carnation	    Liatris	    Thymus
    Cerastium	    Lobelia	     Verbena
      Coreopsis*	   Lupinus	     Veronica*
    Delphinium	     Monarda	   Vinca minor
     Dianthus*	   Myosotis	
    Digitalis*	     Nepeta	

## ICON KEY

 FIRST YEAR BLOOMERS	 RABBIT RESISTANT
 TREAT AS AN ANNUAL	 CUT FLOWERS
 REPEATING BLOOMERS	 ROCK GARDEN & GROUND COVER
 GROWN PRIMARILY FOR FOLIAGE	 ATTRACTS BEES, BUTTERFLIES, OR HUMMINGBIRDS
 DEER RESISTANT	







# CULTURE

USEFUL GROWER TIPS



EXPERT CULTURAL

# ADVICE

**51**  
*years*  
OF EXPERIENCE

CULTURAL CONSULTANT

Jerry Gorchels



Jerry Gorchels is on our team to help you with cultural advice. An independent horticulturist with 51 years in the industry and lots of hands-on experience, Jerry adds another level of expertise to our service. Help avoid costly losses by tapping into his expert advice. If you would like to speak with him regarding any products you have purchased from Jolly Farmer, please give your rep a call.

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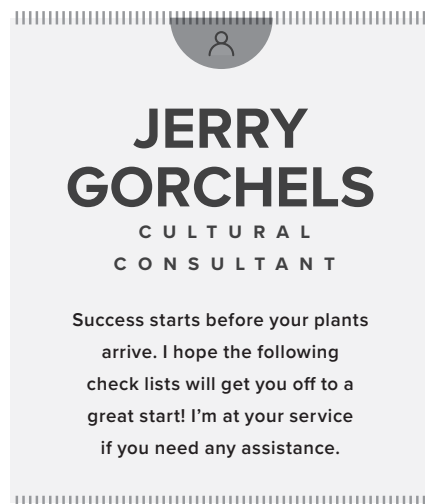
check list	easy liners	alstroemeria	helianthus	ranunculus
<b>202</b>	<b>209</b>	<b>223</b>	<b>228</b>	<b>232</b>
faq	annuals	aquilegia	hibiscus	rose
<b>202</b>	<b>210</b>	<b>223</b>	<b>229</b>	<b>233</b>
fertilizers	edibles	begonia	new guineas	sunpatiens
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**!** DISCLAIMER: JOLLY FARMER® CANNOT BE LIABLE FOR ANY LOSS OF PROFIT, GROWING RESULT, OR ANY OTHER COMMERCIAL DAMAGES RESULTING FROM THE USE OF THIS GUIDE. THIS INFORMATION IS FOR YOUR CONVENIENCE ONLY AND IS NOT INTENDED AS A COMPLETE GROWING GUIDE NOR WARRANTED FOR CONTENT, ACCURACY, OR PERFORMANCE OVERALL. ALWAYS FOLLOW THE MANUFACTURER'S INSTRUCTIONS ON ALL CHEMICAL APPLICATIONS.





# CULTURAL CHECK LIST



## Before your plants arrive

Have materials ready for planting when the plants arrive. Any delays causing you to hold the plants can decrease their vigor and ability to establish.

Have the greenhouse checked to assure that the heating and ventilating systems are properly functioning. Have there been any changes in or around the greenhouses? New parking lot lights that stay on at night can affect photo periods.

Test the water and soil and make sure that the fertilizer will balance the plants' nutritional needs.

Have sufficient labor to handle the crops when they arrive.

Have a receiving area for the plants that will allow you to unpack them and inspect them on arrival. This is commonly a head house. It should provide sufficient conditions so as not to cause plant stress such as too hot or too bright. I always like to see warm conditions 65-70°F with about 30-35% shade. Water the plants if dry.

Have a place to keep the shipping documents, to make notes on plant conditions when the plants arrive.

## When your plants arrive

Unpack and inspect all of the plants received. Place plants in the receiving area after unpacking prior to planting.

Make notes of any visible problems such as damaged leaves, cold/frost injury, off color leaves, and any disease. Look especially at the growing points. If the growing points are not damaged, most often the plants can establish and develop normally even after damages during shipping. Check the roots for any damage with cold injury. Look for hitchhiking insects.

Plant plugs and liners within 24 hours. Often it is best to allow the plugs and liners to recover overnight after being shipped. If the plants arrive early in the day then they can be transplanted the same day. Do not plant dry plugs or liners. Water them first. Planting dry plugs slows root development. Normally you should see the roots establish in 5-7 days after transplanting.

Make sure that the transplanted plugs and liners are watered in immediately after transplanting to settle the soil and establish contact with the root-ball.

Do not plant the plugs or liners too deep since most plants should not have their crowns planted deeper than the original plug or liner. Marigolds and tomatoes are typically the exception.

Salvia needs to be established under at least 35% shade for the first 5-7 days after transplanting to prevent tip abortion.

Tuberous begonias need at least a 14 hour day length to prevent tubers from forming, which would slow down development.

## After transplanting

Place plants into the proper environment. Remember, if you only have one growing area, try to match conditions within the area such as hot or cold, and light or shade. Monitor temperatures. You should have 65-68°F soil temperatures until the newly transplanted seedlings/liners start to develop.

Check for root development. New roots should establish 5-7 days after transplanting. If the roots are not taking off, check the growing conditions. If the roots are not developing and showing a dark/black color, then a fungicide drench might be required.

You should not have to fertilize most crops until they have started to establish.

Establish a scouting program to routinely monitor the crops. This will allow you to take corrective action immediately should a problem occur. Noticing a problem but waiting to act can decrease your ability to correct the problem and save your crop. A good example is the use of yellow sticky traps to identify pest problems when they first arrive. Yellow sticky traps are good for identifying whitefly, winged aphids, leafminer adults, thrips, fungus gnats, and moths. They will not show spider mites, so you have to inspect the plant leaves.

Scout for stressed plants (wilting on bright days after watering), off color foliage, poor root development, brown or black roots, stems and leaf spots and flowers not forming on schedule.

Watering methods should minimize the amount of leaf wetness on the plants after watering. The plant foliage should dry within 2-3 hours after watering. Watering late in the day can keep the leaves wet for too long allowing botrytis and mildews to establish. High humidity in the greenhouse at the end of the day allows moisture to form on the leaves allowing disease to establish. Ventilate and heat to lower the relative humidity at the end of the day.

## Diagnosing a plant problem

You need a good visual image of how the plant looks compared to how a healthy plant at the same stage of development should look. How is it different from a healthy plant in the same area? If the whole area is affected, how should they look?

What are the symptoms; such as leaf or stem spots, different color, wilting leaves, poor or dead roots? Look at the plant roots first to determine if they are developing normally. After checking the roots, then look at the stems and leaves. The growing points are critical so try to determine if they are affected. If a problem is observed then look at the plants around them to see if other plants are showing the same symptoms.

After checking the plants, look at the growing environment. Is there a physical problem, such as sitting too close to a heater, or too close to an open vent? I have seen plants show cold injury coming from a door that was not tightly sealed. Are the heaters working properly? Is there a leak in the irrigation system keeping the plants too wet? Is there too much shade or something overhead?

After checking the greenhouse environment conditions go back to the plant to see if there is a cultural problem. Are the plants planted too deep, or is the soil too compact and not draining properly? Have they been fertilized when too dry? Is it too much light, or not a long enough day length? Is there poor air movement which would slow drying and keep the plants too wet? Is your fertilizer rate what it should be? A poorly working fertilizer injector typically underfeeds the calculated rate.

If you observe a growing problem, call as soon as it is noticed to minimize the problem and find corrective action. We want to help you succeed.

## Other ideas

Educate yourself. Many good books are available or subscribe to industry e-mails and magazines... Seminars at *Cultivate* and other tradeshows are a great learning opportunity. Growing quality plants takes a lot of good hard work, but remember quality doesn't cost, it pays!

## FAQ

An annual is a plant that completes its life cycle in one year. A biannual is a plant that completes its life cycle in two years and a perennial is a plant that grows over a number of years but does not always flower the first year from seed. Plant cycles can be shortened through propagation techniques. A good example is geraniums. A geranium grown from seed requires accumulating light energy units to bloom. A geranium liner already has that accumulated light and will



keep developing buds during the rooting cycle. Handling live plants is always a situational experience. The biggest situation can be shipping since it disrupts the plant from its continuous growth cycle. Healthy developing plants have their day-night temperature, water, and light, as well as their atmosphere conditions interrupted when placed on racks or boxed and shipped. Since you are receiving plants that have had a break in their growing cycle, you will need to restart the growing process. Restarting the plants and finishing them are often two separate events that get grouped into one process at planting.

### **What are the conditions that affect the plants during shipping?**

Too hot, too cold, too wet, and too dry are factors that affect the plants during shipping. We try our best to provide the best moisture in the trays prior to racking or boxing, but the shipping conditions or the delivery systems can vary, affecting the plants' conditions on arrival. Getting the plants out of the boxes and off the racks onto a bench on arrival reduces the stress of shipping. Greenhouse conditions should not be stressful. A moderate temperature of 62-65 degrees and some overhead shade allows the plants to acclimate and recover from shipping. Water dry plants and allow wet plants to dry down overnight prior to planting to help the plugs and liners recover from the shipping stress.

### **How can I tell if the plugs and liners are taking off as expected?**

The best way to monitor the plants is to check the roots. Most newly planted plugs and liners should have root initials growing into the new media within 3-5 days after transplanting. New roots should be visible at the sides and bottom of the container within 10-14 days after transplanting.

### **If the plants are not taking off after transplanting what should I do to get them back on track?**

Check the conditions: if it is too hot or cold, then adjust the conditions. It usually helps to water everything in thoroughly again to help the roots move out of the liner or plug soil.

### **How do I handle damaged plants on arrival?**

Call your Jolly Farmer representative and let them know the problem. Next, assess the damage to determine if the plants need extra treatment such as a fungicide, and note if the growing tips are affected. Most of the time, planting will allow the plants to recover from the damage, and you can see in a week how the plants are progressing.

### **What and when should I feed the liners and plugs?**

See specifics in this culture guide. Fertilizer formulas can be very specific and depending on your water and media, specialized formulation might be required. We do not suggest retail formulations of fertilizer or 20-20-20

since they tend to have too much ammonium and phosphorus for balanced plant growth. A good rule of thumb is never feed a plant under water stress (wilted). First water the plant with clear water, then you can feed after the plant has recovered from the stress.

### **Do I need to pinch my plants?**

This often depends on the plant and its growth development. Some crops such as geraniums have historically been pinched 3 weeks after planting to keep the plant short and increase the number of breaks. New plant varieties have reduced the need for pinching in many cases. Sometimes plants are pinched to shape and fill out hanging baskets. A well fed plant shouldn't need a lot of additional pinching.

### **What is the difference between a hard pinch and a soft pinch?**

A hard pinch takes out the stem and 1 or more internodes on the plant. A soft pinch will just remove the growing point at the tip of the plant.

### **What causes geraniums liners to have lower yellow leaves?**

Often when geraniums are shipped, there is a high ethylene level in the box that results in lower yellow leaves. This typically goes away after transplanting. Some lower leaf yellowing can be a result of low feeding levels in which case you would also see a reddish color to the leaf. Check the roots and if they are fine, then increase the feeding levels to green the plants.

### **What causes some plants to take off and root out initially and others take longer to establish in the same tray?**

If you plant dry plugs or dry rooted liners, the plants might not root out initially. Make sure that the plugs and liners have ample moisture in their root ball prior to planting.

### **Why should you check a plant's root system?**

The root development determines how the plant is progressing. Plants need a well developed root system to provide moisture and nutrients to the plant. A poor root system allows the plant to become easily stressed decreasing its ability to develop on time. Damaged roots can be a result of moisture stress, either too wet or too dry, or fertilizer damage. Often damaged roots allow disease infections to establish. If you see damaged roots, determine the cause of the damage and treat with an appropriate fungicide.

### **Why use growth regulators in production?**

The main reason is to promote a uniformly developed plant in a confined space. Plants need to have a balanced root-to-shoot ratio and appropriate plant growth regulators are used to produce quality plugs or rooted liners.

### **Can I grow my plants cool?**

What you should think of is not cool growing but cool finish. To successfully finish the crops, you need to get the roots established 14-21 days prior to lowering the temperatures. Not all crops should be finished cool such as Impatiens, Vinca, Begonias and Pentas. Just remember with a cool crop, times are longer, so consider your bench space. What some growers do is purchase larger plug and liner sizes which decreases the finish time, saving heat by growing when the weather is warmer. Plants that work well for cool finish are: Snapdragons, Petunias, Geraniums, Marigolds, Calibrachoa and Bacopa.

### **How do I control diseases such as botrytis and mildew?**

Most of these foliar diseases develop because of wet leaves and flowers. Try to keep leaf wetness to less than 2 hours. This is best accomplished by proper venting of the greenhouses. Often moisture develops on the plants at the end of the day, especially on bright days. As the temperature drops, the relative humidity rises to the dew point, resulting in moisture on the plants. It is best to heat and ventilate for an hour at the end of the day by opening the vents and running the heaters to lower the relative humidity before closing the houses at night. Make sure that the air moves through the plant canopy. During cloudy, moist weather you will need to heat and ventilate throughout the day to keep the relative humidity down. If you cannot environmentally control the leaf wetness, then a fungicide is required.

### **How can I reduce plant stretch without using plant growth regulators?**

Plants are programmed to stretch by the difference of day/night temperatures. When we have greater than 10°F of positive difference between day/night temperatures, you will have more internodal plant stretch. Keeping the day/night temperatures to less than 10°F difference is the best way to reduce stretch. Using a negative day/night temperature difference will also keep the plants from stretching. Growers may also lower the temperature 10°F at sunrise for 2 hours which also slows down rapid plant growth. Increasing container size or giving the plants more space also helps keep plant stretch down. Fertilizer choices also can play a role in decreasing plant stretch. High ammonium levels with high phosphate levels increases plant stretch while calcium and potassium-based fertilizers provide better plant tone.

### **How can I control heat in the greenhouse?**

Shading is the best way to control heat. Using a 30% shade cloth will reduce temperatures to allow for optimum plant development. Shade compounds sprayed on the greenhouses, best if applied to the exterior, will also lower the heat build up inside.





# SLOW RELEASE FERTILIZERS

Having worked with slow-release fertilizers for over fifty years, we have experienced both the benefits as well as the potential problems of applying this form of fertilizer to ornamental crops. Remember that most slow-release fertilizers are coated soluble fertilizers that can be incorporated into the soil medium prior to planting or top dressed onto the soil after planting. You can produce high quality plants correctly using slow-release fertilizers.

## What is it?

For the purpose of this discussion we will define it as one of the various commercial fertilizers available through the horticulture products distribution. There are several brands of slow-release fertilizer. The most commonly available product is resin coated soluble fertilizers. They are available in different formulations and can vary in release

from 3-4 months to formulations that can take 18-24 months to release. Formulations can also vary in the nutrient content with different fertilizers that can include minor elements.

## Benefits of slow-release

1. Slow release fertilizers feed the plants without having to apply soluble fertilizers directly or through an injector.
2. They can feed the plants after they leave the production location.
3. They work in combination with soluble fertilizers to provide a consistent level of nutrients for the plants to draw on.

## Limitations

1. Fertilizer release rates vary by formulation and temperature.
2. Once the release has started you cannot stop the release of fertilizer. It is only possible to slow it down with cooler temperatures.
3. Fertilizer pellets can be fractured during mixing, making all of the fertilizer available at once.
4. Difficult to leach out high levels of soluble salts in slow growing plants.

5. Can cause severe plant damage when applied too close to the plant stem.

6. Can cause lush plant growth with unseasonably high temperatures, requiring PGR to control the plant habit.

## How to use

1. Follow label guidelines and recommendations for use.
2. Soil incorporation prior to planting can uniformly disperse the fertilizer, reducing the risk of root or plant injury from concentrating the fertilizer in one spot. Carefully blend the slow-release into the growing medium so as not to fracture the pellets. If incorporating into the soil, do not apply extra water prior to planting, so the fertilizer release is not initiated.
3. If you choose to top dress, do so after the roots are reaching to the sides or bottoms of the container so that the fertilizer does not concentrate around newly initiated roots. Top dress application should be applied to the soil surface so as not to concentrate the fertilizer at the base of the plants.
4. Select the formulation and application method that works best for your operation and not based on what others are doing.

# USING PLUG SIZES TO YOUR ADVANTAGE

by: **Peter Darrow** Sales Manager

Choosing the right plug size can be a somewhat bewildering job, so I've put together some ideas to help you make the decision that is right for your business. First, let's look at the different options, what they are useful for, and see how they can be meshed into your production program.

## 512 plugs

This is the smallest and most economical plug. It's great for cell pack production, but can also be used in 4" & 6" pots with multiple plants/pot. However, I would suggest the latter only during your better growing conditions since the larger soil volumes take longer to dry down.

## 288 plugs

These are usually 1 week more mature than the 512. They finish approximately 7-10 days faster than the 512, and since they have a larger root ball, they can survive the stress of transplanting more easily than a 512. The 288 also allows you to grow a greater selection of varieties without as much volume. Late in the season, you might even slip in an extra turn in your greenhouse using 288's for a faster finish.

## 144 plugs

We offer a complete line of bedding plants in this large plug. A multi-sown product (except certain items like vegetables, Gerberas, and other items you don't want multi-sown) this large plug is excellent for 4", 6" and larger pots or baskets. One 144 will fill out a 4" pot 7-10 days faster than a 288.

## 26 plugs

Available for premium-seed started items such as Wave® petunias, Cannas, and other items. Suitable for quarts, gallons, or multiple plants in a 2 gallon.

I hope this helps you in your decision-making process,

*Peter*



26



144



288



512



# USING LINER SIZES TO YOUR ADVANTAGE

by: **Peter Darrow** Sales Manager

Choosing the right size liner can be a somewhat bewildering job, so I've put together some ideas to help you make the decision that is right for your business. First, let's look at the different options, what they are useful for, and see how they can be meshed into your production program.

## 144 liners

Our most economical liner size. It's great for those who are prepared to plant right away-this product should not be held in the tray! If you've been rooting your own liners, consider letting us do that difficult part without hurting your pocketbook! The 144's usually have not been pinched-we do not want to check their growth by holding them too long in the tray. They are generally one week less mature than the 3-26 or 2-51, so allow an extra week of crop time. Tags included.

## 51 & 26 liners

Our most popular sizes, with an extensive variety listing. These can be used in any size pot or basket with great success. They work well for mixed containers too, and with over 700 varieties to choose from, you'll have an outstanding selection. Tags included.

*Peter*



**2-51**  
2 STRIPS WITH  
50 IN EACH.

**3-26**  
3 STRIPS WITH  
25 IN EACH.



144



51



26

# USING PERENNIAL SIZES TO YOUR ADVANTAGE

by: **Peter Darrow** Sales Manager

Choosing the right size perennial plug or liner can be a somewhat bewildering job, so I've put together some ideas to help you make the decision that is right for your business. First, let's look at the different options, what they are useful for, and see how they can be meshed into your production program.

## 144 plugs

You could put these in 4", 6", or even gallon pots with 2-3 plants per pot depending upon the specie. This size also allows you to purchase only 144 per variety, so you can increase your selection in the same space! They can also be used for starting summer crops.

## 26 plugs

A good size liner for 6" or larger pots. Use 2-3 plants if growing in 2 gallon pots. Remember-these are not vernalized. You'll see in our catalog those that we mark "first year bloomers". Do not count on the other items blooming the first year.

## 51 & 26 liners

All our perennials that are not started from seed are grown in one of these two sizes. A good size liner for 6" or larger pots. Use 2-3 plants if growing in 2 gallon pots. Remember these are not vernalized. You'll see in our catalog those that we mark "first year bloomers". Do not count on the other items blooming the first year. Tags are included for vegetative liners, and are available for purchase for seed started liners.

*Peter*







# PLANNING + WORK = PROFIT

## CALENDAR FOR LATE START-UP

by: Peter Darrow, Sales Manager

Let's look at some ideas for scheduling, using the various plug and liner sizes that we offer.

Adapt these ideas to what best fits your operation.

*(designed for the Northeast)*

### Early March

Plant May baskets using regular liners: add extra plants for faster finish.

Plant pansy flats. Use a 288 which will finish faster and provide a wider selection of colors.

Plant Osteospermum and Regal Geraniums. Use pre-cooled liners for early to mid-May sales.

Begin planting your premium pots such as New Guineas and Scaevola and other slower growing items using 2-51's or 3-26's.

### Late March

Plant bedding plant flats. Since your space is not full, use 512's whenever you are sure you can sell 500 of a color; or use a 288 where 500 is too much. Space out your labor needs by planting 512's first, and then a week later 288's.

### Early April

Plant another crop of bedding plants to have fresh product after the first one is sold-provided you have the market!

### Late April

Time to plant...re-crops! Space is starting to open up as you ship pansies and other early products. Use that space.

Re-crop flats using 288 plugs for a quick turn product that would be ready for late May.

Re-crop premium pots for early June sales.

Re-crop hanging baskets for June sales.

### May **sell! sell! sell!**

---

## CALENDAR FOR LOW INPUT COST WITH LONGER CROP TIMES

*(designed for the Northeast)*

### Early January

Plant pansies and other cool crops. Use 512 plugs (since you have plenty of time and space). Get them established at warm temperatures before cooling them down and growing them slowly through the cold winter months.

Plant hanging baskets. Use 144 size liners (where available) and larger liners to start slower growing items (Fuchsias, Ivy Geraniums, Calibrachoa, Non-Stop Begonias, etc). If you opt to use fewer plants per pot to reduce input costs, you will need to allow for a longer crop time and additional pinching. Finish your basket planting by mid to late February.

Plant Osteospermum, Regal Geraniums (for Easter), and other cool-growing premium items.

### Mid February

Plant premium pots. Start with your longest crop time and smallest size plug or liner to reduce input costs.

Plant Regal Geraniums. Using pre-cooled liners for Mother's day sales (plant early March).

### Mid March to early April

Plant bedding plant flats. Since your space is not full, use 512's whenever you are sure you can sell 500 of a color; or use a 288 where 500 is too much. Space out your labor needs by planting 512's first, and then a week later 288's. Continue planting for successive crops.

### Late April

Time to plant...re-crops! Space is starting to open up as you ship pansies and other early products. Use that space.

Re-crop flats using 288 plugs for a quick turn product that would be ready for late May.

Re-crop premium pots for early June sales.

Re-crop hanging baskets for June sales.

### May **sell! sell! sell!**

---

I hope these scenarios have helped spark your imagination about what you can do to make your business more profitable. There's no "one size fits all" solution, and these ideas are intended only as general guidelines. Our goal is to provide you with as many tools as possible to enhance your success. All the best!



# COMBOS

## COMBOKITS™ & WAVE® COMBOS

Combo Kit	Contents	Culture Code
<b>24 Karat Gold</b>	☀️ Hakonechloa, Begonia, Lantana	4
<b>After the Rain</b>	☀️ Calibrachoa, Bacopa, Lobelia	1
<b>After the Storm</b>	☀️ Petunia, Calibrachoa, Coleus	1
<b>Alexander the Grape</b>	☀️ Calibrachoa, Bacopa, Lobularia	2
<b>Answer the Call</b>	☀️ Petunia, Calibrachoa, Lobelia, Verbena	1
<b>Backyard Fireworks</b>	☀️ Coleus, Ipomea, Begonia boliviensis	4
<b>Be My Valentine</b>	☀️ Petunia, Verbena	1
<b>Beach House</b>	☀️ Petunia, Verbena	1
<b>Beating Heart</b>	☀️ Calibrachoa, Verbena, Bidens	1
<b>Berries &amp; Cream</b>	☀️ Petunia	1
<b>Berry Smoothie</b>	☀️ Petunia, Nemesia	1
<b>Blackberry Tart</b>	☀️ Calibrachoa	1
<b>Blue Eyes Cryin'</b>	☀️ Petunia, Bacopa, Verbena	1
<b>Blueberry Hill</b>	☀️ Calibrachoa, Verbena, Ipomea	1
<b>Blueberry Peach Sangria</b>	☀️ Calibrachoa, Verbena	1
<b>Blueberry Tart</b>	☀️ Calibrachoa	1
<b>Bolero</b>	☀️ Calibrachoa, Bidens, Verbena	1
<b>Candy Shop</b>	☀️ Petunia, Calibrachoa, Verbena	1
<b>Capture My Heart</b>	☀️ Petunia, Calibrachoa, Verbena	1
<b>Cashmere Rose</b>	☀️ Petunia	1
<b>Chalk Art</b>	☀️ Petunia, Calibrachoa, Verbena	1
<b>Chloe's Song</b>	☀️ Geranium, Begonia, Angelonia, Ipomea	3
<b>Color Parade</b>	☀️ Bidens, Verbena, Petunia	1
<b>Color Spark</b>	☀️ Verbena	1
<b>Coming Up Roses</b>	☾ Sunpatiens®, Verbena	4
<b>Cosmic Trifecta</b>	☀️ Petunia	1
<b>Country Girl</b>	☀️ Petunia, Verbena	1
<b>Country Roads</b>	☀️ Calibrachoa, Lobelia	1
<b>Crack o' Dawn</b>	☀️ Zonal Geranium, Carex, Ipomea, Verbena, Coreopsis	3
<b>Crazy Love</b>	☀️ Petunia	1
<b>Cross My Heart</b>	☀️ Petunia	1

Combo Kit	Contents	Culture Code
<b>Dakota Sky</b>	☀️ Petunia	1
<b>Dancing 'til Dawn</b>	☀️ Petunia, Calibrachoa, Bacopa	1
<b>Daydreams</b>	☀️ Calibrachoa, Bacopa, Lobularia	2
<b>Easter Eggs</b>	☀️ Lobularia, Pansy	5
<b>Enchanted Evening</b>	☀️ Calibrachoa, Petunia, Nemesia	1
<b>Euphoric</b>	☀️ Petunia, Calibrachoa, Satureja	1
<b>Evi's Smile</b>	☾ Begonia, Sunpatiens®, Angelonia	4
<b>Eye Candy</b>	☀️ Petunia, Calibrachoa, Verbena	1
<b>Fairytale</b>	☀️ Calibrachoa	1
<b>Fire &amp; Ice</b>	☀️ Calibrachoa, Verbena	1
<b>First Light</b>	☀️ Calibrachoa, Bacopa	1
<b>Forever Young</b>	☀️ Verbena, Petchoa, Lobelia	1
<b>Frosted Berries</b>	☀️ Helichrysum, Petunia	1
<b>Fruit Salad</b>	☀️ Petunia, Calibrachoa, Verbena	1
<b>Fun on the 4th</b>	☀️ Petunia, Salvia	1
<b>Golden Blush</b>	☀️ Petunia, Calibrachoa, Verbena	1
<b>Golden Gem</b>	☀️ Petunia, Jamesbrittenia	1
<b>Great Rift</b>	☀️ Lobelia	1
<b>Highland Fling</b>	☀️ Calibrachoa, Petunia, Verbena	1
<b>Iced Peaches</b>	☀️ Calibrachoa, Verbena	1
<b>Itsy Bitsy</b>	☀️ Petunia	1
<b>Itsy Triflection</b>	☀️ Petunia	1
<b>Land of Mine</b>	☀️ Calibrachoa	1
<b>Limelight</b>	☀️ Petunia, Begonia, Coleus	4
<b>Lipstick and Lace</b>	☀️ Petchoa, Verbena, Calibrachoa	1
<b>Little Memories</b>	☀️ Petunia-Mini	1
<b>Little Moments</b>	☀️ Petunia-Mini	1
<b>Lollipops</b>	☀️ Petchoa, Petunia	1
<b>Love at First Bloom</b>	☀️ Petunia, Verbena	1
<b>Madras Plaid</b>	☀️ Calibrachoa, Lobelia, Verbena	1
<b>Maggie May</b>	☀️ Calibrachoa, Bidens, Salvia	1
<b>Midsummer Night's Dream</b>	☾ Petunia, Torenia, Diascia	1
<b>Muka Laka Hiki</b>	☀️ Petunia, Calibrachoa, Verbena	1
<b>Music of the Heart</b>	☀️ Petunia, Calibrachoa, Verbena	1
<b>No Filter Needed</b>	☀️ Petunia	1
<b>Out of the Blue</b>	☀️ Petunia, Lobularia, Verbena	2





Combo Kit	Contents	Culture Code
<b>Paisley Print</b>	☀ Calibrachoa, Bacopa, Verbena	1
<b>Palace Parade</b>	☀ Petchoa, Petunia, Dichondra	1
<b>Perfect Tonight</b>	☀ Petunia	1
<b>Perfectly Purple</b>	☀ Verbena	1
<b>Perhaps Love</b>	☀ Petunia, Calibrachoa, Verbena	1
<b>Pistachio Pops</b>	☀ Pennisetum rubrum, Helichrysum, Ipomea	4
<b>Pixie Stix</b>	☀ Calibrachoa	1
<b>Plum Parfait</b>	☀ Bacopa, Petunia, Verbena	1
<b>Rapunzel</b>	☀ Calibrachoa	1
<b>Remember When</b>	☀ Begonia, Euphorbia, Heuchera	4
<b>Rose Explosion</b>	☀ Bidens, Calibrachoa, Verbena	1
<b>Safari</b>	☀ Petunia, Calibrachoa, Lysimachia	1
<b>Salute</b>	☀ Petunia	1
<b>Sandstone Breeze</b>	☀ Coleus, Petunia, Petchoa	1
<b>Send in the Clowns</b>	☀ Calibrachoa, Lobelia, Verbena	1
<b>Shades of Summer</b>	☀ Calibrachoa	1
<b>Sky Full of Stars</b>	☀ Calibrachoa, Petunia	1
<b>Smoldering Summer</b>	☀ Bidens, Calibrachoa, Verbena	1
<b>Spring has Sprung</b>	☀ Petunia, Ipomea, Lobelia	1
<b>Strawberry Fields</b>	☀ Calibrachoa, Verbena	1
<b>Strawberry Taffy</b>	☀ Calibrachoa, Petunia, Verbena	1
<b>Street Style</b>	☀ Calibrachoa, Petunia, Verbena	1
<b>Strong &amp; Free</b>	☀ Petunia, Bacopa, Verbena	1
<b>Sunshine &amp; Storm</b>	☀ Petunia, Bidens	1
<b>Sweet Dreams</b>	☀ Petunia	1
<b>Sweet Velour</b>	☀ Petunia, Dichondra, Angelonia	1
<b>Tangled Up in Blue</b>	☀ Petunia, Verbena	1

Combo Kit	Contents	Culture Code
<b>Tied Up in Pink</b>	☀ Petunia, Calibrachoa, Verbena	1
<b>Touch of Lavender</b>	☾ Alternanthera, Sunpatiens*, Lamium	4
<b>Twilight Hues</b>	☀ Petunia, Calibrachoa, Verbena	1
<b>Two's Company</b>	☀ Petchoa	1
<b>Unlikely Lime</b>	☀ Angelonia, Calibrachoa, Helichrysum, Celosia	1
<b>Vintage Soiree</b>	☀ Coleus, Verbena, Calibrachoa	1
<b>Watercolors</b>	☀ Petunia, Calibrachoa, Verbena	1
<b>When Stars Come Out</b>	☀ Calibrachoa	1
<b>Whispers of Dawn</b>	☀ Geranium, Sunpatiens*, Ipomea, Verbena	3
<b>Wild Berry Meringue</b>	☀ Petunia, Verbena, Lobelia	1
<b>Wild Blue Yonder</b>	☀ Verbena, Petunia	1
<b>Wine &amp; Cheese</b>	☀ Petunia, Verbena	1
<b>With All My Heart</b>	☀ Petunia, Calibrachoa, Lobelia	1
<b>Herbs</b>	☀ all types	6
<b>Wave* Combos</b>	☀ all types	1

**\*Growth Regulators:** Always follow the label. High light levels in combination with cool temperatures will help reduce the need for growth regulators. Using a negative DIF (night temperature is warmer than the day temperature) will also help control stretch. A drench with 1-5 ppm Bonzi/Piccolo/Paczol (0.03 to 0.16 fl oz/gal), (concentration will vary with the season) is also very effective.

**Growth Regulator general guidelines.**

**8" basket:** 1-1½ cups per pot (of the solution)

**10" basket:** 1½-2 cups per pot

**12" basket:** 2-2½ cups per pot

**\*\*Pinching Week Numbers:**

Week 0 = week of planting.

Week 2 = 2 weeks after planting...and so on.

**Plants Per Pot:** Follow patterns provided

Culture Code	Crop Time	Soil pH	Temperature	Fertilizer	Pinching**	Growth Regulator*	Notes
1	10-14 wks	5.5-5.8	60-70°F day 55-60°F night	150-250 ppm N	Bacopa: week 3-5. Calibrachoa: week 4 and again week 8 for a higher quality product. Lobelia: week 3-5. Petchoa: week 3 and again week 6 for larger pots. Petunia: week 4-5. Verbena: at planting and again week 4-5. (Allow 6 weeks after last pinch for bloom time.)	After last pinch, use Bonzi spray at 10 ppm. Use Bonzi soil drench at 3 ppm once plants are filled out and over edge of pot.*	Do not overwater. These are susceptible to root rot. Heavily wilted Bacopa will lose flowers. Recommend preventative treatment for Powdery Mildew. Dead head Verbena for rebloom.
2	10-12 wks		60-70°F day 55-60°F night	150-250 ppm N	Pinch all week 4 - 5.	Use Bonzi 10 ppm spray to control size.	Do not overwater. These are susceptible to root rot.



Culture Code	Crop Time	Soil pH	Temperature	Fertilizer	Pinching**	Growth Regulator*	Notes
3	10-14 wks	6.2-6.5	65-75°F day 60-65°F night	100-200 ppm N	Pinch Zonal Geranium on week 3. Pinch other items as needed.	Can use spray of Bonzi 5 ppm to control size if needed.	Remove early buds or flowers on Zonals to help give more plant body.
4	10-14 wks	5.5-5.8	65-75°F day 60-65°F night	100-200 ppm N	Pinch as needed. Recommend pinching Solenia® Begonia on week 3. Do not recommend pinch on Sunpatiens®, New Guinea, or Rudbeckia.	Can use spray of Bonzi 5 ppm to control size if needed.	Do not overwater or over feed. Recommend downy mildew and powdery mildew prevention on Dbl. Impatiens, Coleus, Bacopa, and Verbena.
5	8 - 10 wks	5.5-5.8	60-70°F day 55-60°F night	100-150 ppm N	Pinch week 3; then again on week 6.	Can use a light Bonzi spray (as in 1 - 3 ppm) once pot is up to size.	
6	10-14 wks	5.5-5.8	65-75°F day 60-65°F night	100-150 ppm N	Keep trimming herbs as needed until planter looks full. Pinch Basil hard so it doesn't get too tall.		

## EASYLINERS™

**\*Growth Regulators:** Always follow the label. High light levels in combination with cool temperatures will help reduce the need for growth regulators. Using a negative DIF (night temperature is warmer than the day temperature) will also help control stretch. A drench with 1-5 ppm Bonzi/ Piccolo/Paczol (0.03 to 0.16 fl oz/gal), (concentration will vary with the season) is also very effective. See general guidelines.

**8" basket:** 1-1½ cups per pot | **10" basket:** 1½-2 cups per pot | **12" basket:** 2-2½ cups per pot

### \*\*Pinching Week Numbers:

Week 0 = week of planting, Week 2 = 2 weeks after planting, Week 4 = 4 weeks after planting, and so on.

ppp = liners per pot.

Easy Liner	Crop Time in Weeks				Soil pH	Temperature	Fertilizer	Pinching**	Growth Regulator	Notes
	6"	10"	12"	16"						
<b>Calibrachoa</b>	9-12 1 ppp	12-14 2 ppp	12-14 2 ppp	12-14 3 ppp	5.5-5.8	60-70°F day 55-60°F night	150-250 ppm N	Pinch week 4. To get higher quality product pinch again on week 8.	After last pinch use Bonzi spray at 10-30 ppm or give a Bonzi soil drench at 3 ppm for longer lasting control.*	Do not overwater. These are susceptible to root rot.
<b>All others</b>	9-12 1 ppp	12-14 2 ppp	12-14 2 ppp	12-14 3 ppp	5.5-5.8	60-70°F day 55-60 night	150-250 ppm N	Pinch week 3 for all pot sizes. To get a higher quality product pinch again week 6 on 10" pots or larger.	After last pinch use Bonzi spray at 10-30 ppm or give a Bonzi soil drench at 3 ppm for longer lasting control.*	Do not overwater. These are susceptible to root rot. Prevention treatment for Powdery Mildew may be necessary.







# ANNUALS

## General Recommendations for Growing Packs

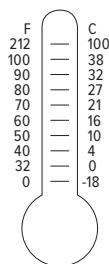
**Temperature:** 55-65°F night. 65-68°F for first week helps some items get established.

**Fertilizer:** We recommend constant feeding using something like a 13-2-13 at 100-150 ppm until plugs and liners are well established. We do NOT recommend using fertilizers with higher levels of phosphorus (ie: 10-52-10 or 20-20-20) to start your plugs as these formulas are very acidic and can dangerously lower the pH in a soilless mix.

**Growth Regulators:** Refer to manufacturer's instructions. Tip: a 5-10°F negative "dip" early in the morning (just before it starts getting light), until 3 hours after sunrise, greatly helps to keep bedding plants short.

**Important:** Always make sure your plugs and liners are well watered before transplanting.

**Note for Pansies & Vinca:** After transplanting pansies and vinca, do not fertilize or drench with chemicals until the roots start spreading, approximately 5-7 days. This helps prevent Thielaviopsis.



1 ppp - 512's in packs, 288's in 4" pots, or 144's in 6" pots.

From 144 or 25 ct into 10"

Species	Crop Time (in weeks)	Crop Time (in weeks)	Special Notes
<b>Ageratum</b>	6-7		Extreme wet to dry cycles will cause leaf problems.
<b>Alternanthera</b>	4-5		Higher light results in deeper color. Do not use cycocel.
<b>Alyssum</b>	4-5		Feed heavily and spray routinely for downy mildew, bacterial leaf spot, and soft rot.
<b>Amaranthus</b>	11-12	3-4 ppp= 13-15	
<b>Angelonia</b>	8-10		Do not pinch. Keep light levels high.
<b>Asparagus densi</b>	10-12	3-4 ppp= 18-20	Once established, feed every 2 weeks.
<b>Aster</b>	4-5		Sold green. Needs long days till mid-March.
<b>Begonia- Angel Wing</b>	7-11	4-5 ppp= 9-11	Important to plant with leaves pointed outward to make a symmetrical basket.
<b>Begonia-boliviensis</b> 🌱			See full culture sheet.
<b>Begonia-Fancy Leaf Gryphon</b>	5-6	3-4 ppp= 7-9	Relatively disease and pest-free. Needs pinching-usually 1-2 pinches-once after getting established (approx 21 days) and possibly another to "shape" 21 days later.

🌱 See specific Culture Sheet. | Note: ppp = plants per pot

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From 144 or 25 ct into 10"

Species	Crop Time (in weeks)	Crop Time (in weeks)	Special Notes
<b>Begonia-Fancy Leaf Silver Spot</b>	12		Relatively disease and pest-free. Needs pinching-usually 1-2 pinches-once after getting established (approx 21 days) and possibly another to "shape" 21 days later.
<b>Begonia-Fibrous</b>	6-7	4 ppp=7-8	Needs heat and high ammonium. Delaying transplanting will cause stretching branches.
<b>Begonia-Landscape Whopper®</b>	6-8	3 ppp = 7-10	
<b>Begonia-Landscape Big</b>		3 ppp= 14-16	
<b>Begonia-Spreading</b>		3 ppp= 14-16	
<b>Begonia-Tuberous</b>	9-11 (for 4-6")	4 ppp= 10-12	Provide at least 10 ftc of light from 10 pm to 2 am from October through March. Plant with leaves pointing outward. Temp should be kept above 60°F and EC's should not rise above 1.5mhos/um or tubers may form and plants won't develop.
<b>Calendula</b>	4-5		Sold green.
<b>Canna</b>	9-12 (for 4")		Root space determines plant height.
<b>Celosia</b>	5-6		Watch for alternaria.
<b>Celosia Premium</b>	6-8		Pinching not necessary. High potassium formula such as 15-10-30 is highly recommended to prevent weak stems and abnormal shaped flowers. Blooms under short days.
<b>Cleome</b>	3-4		Sold green. Reseeds itself.
<b>Coleus</b>	4-5		Spray routinely for downy mildew.
<b>Cosmos</b>	3-4		Sold green.
<b>Dahlia</b>	7-8		Watch for downy mildew. Shear to encourage branching.
<b>Dianthus</b>	6-7		
<b>Dianthus-interspecific Jolt series</b>	12-13	1-3 ppp= 14-18	Can flower all year around, but will take longer to flower under short days than long.
<b>Dichondra</b>	5-6 (for 4")		
<b>Dracaena</b>	8-12 (for 4")		
<b>Dusty Miller</b>	5-6		
<b>Eucalyptus</b>	10-12 (for 4")		Pinch for better branching. Do not let it get root bound-sensitive to root damage and restriction. Does not like to be transplanted after being in ground.

🌱 See specific Culture Sheet. | Note: ppp = plants per pot



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From 144 or 25 ct into 10"

Species	Crop Time (in weeks)	Crop Time (in weeks)	Special Notes
<b>Flowering Kale &amp; Cabbage</b>	4-5		Colors up with cold temps and high light. Preventative spray for "black rot".
<b>Gazania</b>	7-8		Flowers close on cloudy days and nights.
<b>Gerbera</b> ☼	9-14 (for 144's in 4")		If planted too deeply or overwatered, you'll get a lot of leaves and no flowers. This plant flowers better with some moisture stress.
<b>Gloxinia</b>	11-14		
<b>Gomphrena</b>	5-6		
<b>Gypsophila</b>	5-6	4 ppp= 10-12	Cool temps enhance color. Needs dead heading.
<b>Helianthus</b>	7-9		Use 4" pots only in winter, use larger pots for other seasons.
<b>Helianthus Sunfinity</b> ☼		7 weeks 2.5 qt-1 gal/8-9 weeks 12" or larger	See full culture sheet. Long days required. Transplant after long days have begun in your area. Retail season summer to fall.
<b>Hibiscus</b>		1 ppp = 6-8	
<b>Hypoestes</b>	5-6		
<b>Impatiens</b>	4-5	3 ppp=6-8	Watch out for downy mildew.
<b>Impatiens Solarscape</b>	9-10	10-12	Needs average daytime temperature of at least 60°F, 66°F is ideal. Do not pinch. Can plant deep.
<b>Lisianthus</b>	10-12		Lisianthus need high light levels and warm temperatures in order to flower properly. They require higher moisture levels especially in early stages which can produce serious problems with fungus gnats.
<b>Lobelia</b>	5-6		Can't tolerate extreme dry down.
<b>Marigold-African</b>	6-8		Requires short days to flower.
<b>Marigold-French &amp; Triploid</b>	5-6		Intolerant to pH < 5.5.
<b>Melampodium</b>	7-9		Keep soil moist.
<b>Orn. Millet</b>	7-9 (for 4-6")		Full sun darkens the leaf color.
<b>Orn. Pepper</b>	4-5		Sold green.
<b>Osteospermum</b> ☼	7-10 (for 4")		See full culture sheet.
<b>Pansy</b>	6-7		Cooler temps make larger flowers. Watch roots for disease pressure such as thielaviopsis and phytophthora.

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From 144 or 25 ct into 10"

Species	Crop Time (in weeks)	Crop Time (in weeks)	Special Notes
<b>Pansy Spreading</b>	Autumn 4-6 Spring 6-8	3-5 ppp (144 ct) Autumn 6-7 Spring 8-9	Pinching not recommended. Diseases: Damping-off and black root rot. Regular scouting for powdery mildew and preventative measures are recommended.
<b>Pentas</b>	7-9		Needs high temperatures and high light.
<b>Petchoa</b>	6-8	8-9	Apply a paclobutrazol drench at 2-3 ppm at 7-10 days after transplant. Avoid using daminozide spray at visible bud stage or later, as it can reduce the intensity of the yellow flower colour. This item is a "day neutral" response with a 9-hour daylength response.
<b>Petunia</b>	5-7		Make sure to give adequate dry down cycles to promote strong roots, good connections, and avoid "runty" plants.
<b>Petunia-Doubles</b>	6-8		See Petunia.
<b>Petunia-Premium</b>	7-10	3-4 ppp= 10-13	Require more fertilization than other petunia series. For best branching results, PGR's may be needed.
<b>Phlox</b>	8-9		
<b>Portulaca</b>	7-8		Loves heat.
<b>Primula</b> ☼	8-12 (for 4")		Needs cold temps to set bud.
<b>Ptilotus</b>	7-9		Do not overwater. Do not allow to get rootbound - transplant immediately. Do not pinch.
<b>Ranunculus</b> ☼	12-15 (for 4")		See full culture sheet.
<b>Salvia coccinea</b>	6-7 (for 6")	3 ppp= 10-12	Heat lover. Ideal for Spring and Summer.
<b>Salvia farinacea</b>	8-9		
<b>Salvia interspecific</b>	8-13		ADT 68°F, light to 14 hours, daylength extension, do not overlight
<b>Salvia splendens</b>	5-6		Watch for downy mildew.
<b>Seed Geranium</b> ☼	10-12 (for 4")		See full culture sheet.
<b>Snapdragon</b>	6-7		Watch for botrytis
<b>Stock</b>	6-10		Longer grow time is for cooler temps.
<b>Thunbergia</b>	4-5 (for 4")		Vining plant, not recommended in packs. Needs constant moderate moisture. Use caution not to bury when planting.

☼ See specific Culture Sheet. | Note: ppp = plants per pot





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From 144 or 25 ct into 10"

Species	Crop Time (in weeks)	Crop Time (in weeks)	Special Notes
<b>Torenia</b>	6-7		
<b>Verbena</b>	7-8		Watch closely for downy mildew and powdery mildew. Keep warm and dry.
<b>Vinca</b> ☼	6-8	trailing varieties 4-5 ppp= 15-20	Must be kept warm and dry. Watch roots for disease pressure. See specific culture sheet.

☼ See specific Culture Sheet. | Note: ppp = plants per pot

1 ppp - 512's in packs, 288's in 4" pots, or 144's in 6" pots.

From 144 or 25 ct into 10"

Species	Crop Time (in weeks)	Crop Time (in weeks)	Special Notes
<b>Viola</b>	5-6		Thrives in cool temps. Day-length sensitive.
<b>Zinnia</b> ☼	4-6		Spray routinely for rhizoctonia and bacterial leaf spot. Keep warm and dry. Try Profusions and Zaharas for ease of growing. See specific culture sheet.

☼ See specific Culture Sheet. | Note: ppp = plants per pot

## EDIBLES

Note: ppp = plants per pot

Species	Packs Crop Time	4" Pot Crop Time	Patio/Basket Crop Time	Fertilizer	Temperature	Special Tips
<b>Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Kale</b>	3-4 wks	1 ppp=4		1-2x per week with 50-75 ppm N	50°F night, 60°F day	Keep soil dry and withhold feed to help control growth.
<b>Celery</b>	3-4 wks			1-2x per week with 50-75 ppm N	50°F night, 65°F day	Do not dry out. Can be cut back if too spindly.
<b>Eggplant</b>	4-5 wks	1 ppp=5-6	1 ppp=10-15	1-2x per week with 100-150 ppm N	60°F night, 70°F day	Watch for western flower thrips.
<b>Ground Cherry</b>	3 wks	1 ppp=4	1 ppp=8-12	1-2x per week with 50-75 ppm N	50°F night, 60°F day	Ground cherries self seed prolifically. They are in the same family as tomatoes so use similar growing requirements.
<b>Lettuce</b>	3-4 wks	1 ppp=4-5		1-2x per week with 50-75 ppm N	50°F night, 60°F day	Watch for western flower thrips. Do not dry out.
<b>Onion</b>	5-6 wks			1-2x per week with 100-150 ppm N	50°F night, 65°F day	Do not dry out. Can be cut back.
<b>Pepper</b>	3-4 wks	1 ppp=5	1 ppp=8-12	1-2x per week with 100-150 ppm N	60°F night, 70°F day	Prevent for Bacterial Leaf Spot.
<b>Simply Salad</b>		1 ppp=2-4	4-5 ppp=3-6	1-2x per week with 150-200 ppm N	55-60°F night & day	Harvest to 2-3" from soil. Re-cut every 2-3 weeks.
<b>Strawberry</b>	5-6 wks	1 ppp=7-8	4 ppp=10-13	1-2x per week with 100-150 ppm N	50°F night, 65°F day	Prevent for Powdery Mildew.
<b>Tomato</b>	3 wks	1 ppp=4	1 ppp=8-12	1-2x per week with 50-75 ppm N	50°F night, 60°F day	
<b>Basil</b>	3-4 wks	1 ppp=3-4	3 ppp=5-8	1-2x per week with 100-150 ppm N	60°F night, 70°F day	Watch for Downy Mildew. Pinching improves shelf life.
<b>Chamomile</b>	3-4 wks	1 ppp=3-4	3 ppp=7-10	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Chives</b>	4-5 wks	1 ppp=5-6	3-5 ppp=7-10	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Cilantro</b>	3-4 wks	1 ppp=3-4	3 ppp=5-8	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Curry</b>	6-8 wks	1 ppp=8-10	3-5 ppp=10-15	2-3x per week with 100-150 ppm N	60°F night, 70°F day	

Note: ppp = plants per pot



Species	Packs Crop Time	4" Pot Crop Time	Patio/Basket Crop Time	Fertilizer	Temperature	Special Tips
<b>Cymbopogon Lemon Grass</b>	8-9 weeks	1 ppp=8-10	3-5 ppp=10-15	2-3x per week with 100-150 ppm N	60°F night, 70°F day	Pinching not necessary, but will enhance growth and bushing. PGR's not necessary.
<b>Dill &amp; Fennel</b>	3-4 wks	1 ppp=4-5	3 ppp=6-8	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Lavender</b>	6-8 wks	1 ppp=8-10	3-5 ppp=10-15	2-3x per week with 100-150 ppm N	55°F night, 65°F day	Watch for Bacterial Leaf Spot.
<b>Marjoram</b>	4-5 wks	1 ppp=5-7	3 ppp=6-8	2-3x per week with 100-150 ppm N	55°F night, 65°F day	Watch for Botrytis & provide good air flow.
<b>Melissa</b>	3-4 wks	1 ppp=4-5	3-5 ppp=6-8	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Mint</b>	3-4 wks	1 ppp=5-6	3 ppp=6-10	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Oregano</b>	4-5 wks	1 ppp=6-8	3 ppp=8-12	2-3x per week with 100-150 ppm N	55°F night, 65°F day	Watch for Botrytis & provide good air flow.
<b>Oregano variegated</b>	6-8 wks	1 ppp=8-10	3-5 ppp=10-15	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Parsley</b>	3-4 wks	1 ppp=4-5	3 ppp=6-8	1-2x per week with 100-150 ppm N	55°F night, 65°F day	Keep soil dry and withhold feed to help control growth.
<b>Rosemary</b>	5-7 wks	1 ppp=7-9	3-5 ppp=10-15	2-3x per week with 100-150 ppm N	60°F night, 70°F day	Prevent for Powdery Mildew. Very fine horticultural oil works well. Also be careful not to plant too deeply – at soil level works best.
<b>Sage</b>	4-5 wks	1 ppp=5-6	3 ppp=6-10	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Sage variegated</b>	6-7 wks	1 ppp=7-8	3-5 ppp=8-10	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Satureja</b>	3-4 wks	1 ppp 4 - 6	3-5 ppp= 8 - 10	1-2x per week with 100-150 ppm N	55°F night, 65°F day	Pinch for branching as needed
<b>Stevia</b>	3-4 wks	1 ppp=5-6	3 ppp=6-8	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Tarragon</b>	6-8 wks	1 ppp=8-10	3-5 ppp=10-15	2-3x per week with 100-150 ppm N	60°F night, 70°F day	Prevent for Powdery Mildew.
<b>Thyme</b>	4-5 wks	1 ppp=5-6	3 ppp=8-10	2-3x per week with 100-150 ppm N	55°F night, 65°F day	Watch for Botrytis & provide good air flow.
<b>Thyme variegated</b>	6-7 wks	1 ppp=7-8	3-5 ppp=8-12	2-3x per week with 100-150 ppm N	55°F night, 65°F day	
<b>Verbena aloysia</b>	3-4 wks	1 ppp=4-6	3 ppp=6-8	1-2X per week with 100-150 ppm N	60°F night, 70°F day	Pinch for branching

Note: ppp = plants per pot







# LINERS

(wks) 4" pots

(wks) 10" pots

Use lower end of fertilizer rates for pot crops; use higher end for hanger crops.

Species	Crop Time	Crop Time	Temperature	Fertilizer	Special Notes
<b>Acalypha</b>	1 ppp=7-9	4 ppp=12-14	65-75°F day 60-65°F night	150-200 ppm N	Pinch once. Extra iron improves foliage color.
<b>Ageratum</b>	7-8 weeks	13-14 weeks	65-75°F day 60-65°F night	100 ppm N	Shading usually needed to prevent premature blooming while plant sizes up. Pinching and PGRs are also beneficial to promote branching.
<b>Alstromeria</b> ☼					See full culture sheet.
<b>Angelonia</b>	1 ppp=6-7	3-4 ppp=9-11	65-75°F day 60-65°F night	150-200 ppm N	Does not grow well in low light.
<b>Anigozanthos</b>	not advised	1 ppp = 10-12	65 - 75 F day 60-65 F night	*100 ppm N	Avoid overwatering and allow soil to dry between irrigation. Spray with copper-based fungicide to prevent spotting on fans during high humidity. *Alternate with clear to avoid salt buildup. Low feeder.
<b>Argyranthemum</b>	1 ppp=6-9	3 ppp=12-14	60-70°F day 55-60°F night	150-250 ppm N	Soft pinch 2 weeks after planting. Feed similar to Zonal Geraniums. Can be grown cool. Dead-head.
<b>Bacopa</b>	1 ppp=5-7	4 ppp=12-14	60-70°F day 55-60°F night	100-200 ppm N	Do not plant too deep. One pinch produces a bushier plant. Heavy wilt will cause flower damage and bud abortion. Very sensitive to high fertilizer salts. Will stop blooming in high heat.
<b>Begonia x hybrida</b>	1 ppp=7-8	4-5 ppp=12-16	65-75°F day 60-65°F night	100-200 ppm N	Avoid over watering. Keep plants warm to keep them actively growing. Cold, dark days may cause dormancy.
<b>Begonia-boliviensis</b> ☼					See full culture sheet.
<b>Begonia-hiernalis</b> ☼	1 ppp=7-8	3-4 ppp=10-12	65-75°F day 60-65°F night	150-200 ppm N	Growth regulators are recommended for high quality finished product. Give soft pinch 2 weeks after planting.
<b>Begonia-Rex</b> ☼	1 ppp=8 for 6" (n/a for 4")		65-75°F day 60-65°F night	150-180 ppm N	Shady; Apply fungicide every other week for Botrytis and Leaf Spots. Never run these plants dry. NOTE: For first 2 weeks provide deep shade and warmth. High humidity is ideal. Never grow in full sun. Plant liners at same level as the potting soil.
<b>Bidens</b>	1 ppp=6	4 ppp=10	65-75°F day 60-65°F night	150 ppm N constant	Pinch at planting, repeat 3-4 weeks later for hanging baskets. Dead-heading will promote branching and cosmetic look.
<b>Brachyscome</b>	1 ppp=6-8	4 ppp=15-18	65-75°F day 60-65°F night	150-200 ppm N	Pinch 1-2 weeks after planting. Repeat as needed for hanging baskets.
<b>Bracteantha</b>	1 ppp=4-6	4 ppp=11-15	65-75°F day 60-65°F night	100-200 ppm N	Pinch at planting for 6" or larger pots. Avoid deep planting of liners.
<b>Calendula</b>	6-7 weeks		60-70°F day 55-60°F night	150-250 ppm N	Pinch at planting.
<b>Calibrachoa</b> ☼	2 ppp=6-8	4 ppp=14-16	60-70°F day 55-60°F night	150-250 ppm N	Do not plant too deep. Soft pinch at planting. A second pinch will produce a better plant. Do not feed heavily until plants are well rooted.
<b>Celosia Kelos Fire Series</b>	N/A	3-4 ppp=6-10 including pinch	65-75°F day 60-65°F night*	150-200 ppm N	Plant as soon as possible - they do not like sitting in trays too long. Plant the liners deep so that the tip of the liner is one inch above soil level. When the liner roots are well established pinch the liners to leave 6 - 8 leaves. Use Cycocel to keep the plants toned; PGR will give a darker foliage. *After 4 weeks you can lower the temp and finish them cooler.
<b>Cleome</b>	1 ppp=5-6	2 ppp=10-14	65-75°F day 60-65°F night	200-250 ppm N	Cleome may develop edema and leaf yellowing if overwatered. Pinch 1X about 5-10 days after transplant; pinch twice for larger pot sizes. Growth regulators not necessary under high light intensity.
<b>Coleus</b>	1 ppp=4-6	4 ppp=8-9	65-75°F day 60-65°F night	100-200 ppm N	Pinching will produce a bushier plant. Keep temps above 60°F or growth will stall. Environmental issues (ie; PGRs, watering, light levels, heat, etc.) will alter colors.
<b>Cuphea hyssopifolia</b>	2 ppp=7-9	4-5 ppp=14	65-75°F day 60-65°F night	100-200 ppm N	Give 2 pinches; do not overwater. Keep soluble salts low.
<b>Cuphea ignea</b>	1 ppp=6-8	1 ppp=10-12	65-75°F day 60-65°F night	100-200 ppm N	Give 2 pinches; do not overwater. Keep soluble salts low.

☼ See specific Culture Sheet. | Note: ppp = plants per pot



(wks) 4" pots

(wks) 10" pots

Use lower end of fertilizer rates for pot crops; use higher end for hanger crops.

Species	Crop Time	Crop Time	Temperature	Fertilizer	Special Notes
<b>Dahlia</b>	1 ppp=6-8		58-60°F day & night	200-250 ppm N	After transplant, provide supplemental lighting to a minimum of 14 hours of daylength until week 14 to prevent premature budding and flowering. Transplant Dahlias deep (ie: bury the 1st set of leaves); shallow planting produces a floppy plant. Dahlias need a moderate constant moisture. Don't stress them either water logging or dry down. Avoid temps above 60°F.
<b>Diascia</b>	1 ppp=6-8	3-4 ppp=9-11	60-70°F day 55-60°F night	150 ppm N constant	Establish root system at 65°F, then grow cool. Pinch 2-3 times to improve branching. Will reflower within 2-3 wks after planting.
<b>Double Impatiens</b>	1 ppp=6-8	4-5 ppp=10-14	65-75°F day 60-65°F night	100-200 ppm N	Provide shade in summer. Keep evenly moist. Watch out for downy mildew.
<b>Euphorbia</b>	1 ppp=4		65-75°F day 60-65°F night	150-200 ppm N	Moderate moisture. Full sun to part shade.
<b>Evolvulus</b>	1 ppp=8-9	3-4 ppp=8-10	65-75°F day 60-65°F night	150-200 ppm N constant	Needs highest light levels possible. Keep plants moist, not wet. Pinch for fuller baskets.
<b>Fuchsia</b>		4-5 ppp=15	65-75°F day 60-65°F night	150-200 ppm N	Pinch to promote branching allowing 8 wks between last pinch and flowering date. Provide shade in spring when light levels rise. Requires long days to bloom.
<b>Geranium-Interspecific</b>	1 ppp=5-6	3 ppp=10-11	65-75°F day 60-65°F night	200-250 ppm N constant	No pinch necessary.
<b>Geranium-Ivy</b>		5-6 ppp=14	65-75°F day 60-65°F night	200-250 ppm N	To prevent edema: keep soil pH at 5.2-5.7, keep N & iron levels high, high light levels ok if not combined with high temps. Water only in early morning; keep soil moisture light when going into cloudy periods.
<b>Geranium-Regal</b> ☼ <b>From Pre-Budded Liner</b>	1 ppp=8-10		60-70°F day 55-60°F night	200-250 ppm N	Give good dry down to control size. Do not, however, let soil dry out after buds have developed well. Full sun until showing color then provide some shade. Sensitive to high salt levels.
<b>Geranium-Zonal, Brocade, Scented</b>	1 ppp=5-7	4 ppp=10-14	65-75°F day 60-65°F night	100-200 ppm N	Liners yellow quickly in a dark shipping box. Grow under medium shade for one week. Feed well; give full light after first week. Yellowing will not harm the plant if handled properly; allow to dry down between waterings.
<b>Gerbera Garvinea</b> ☼					See full culture sheet.
<b>Gerbera Patio</b> ☼					See full culture sheet.
<b>Gypsophila</b>	5-6 weeks	4 ppp=9-10 weeks	65-75°F day 60-65°F night	100 ppm N	Avoid high ECe's to prevent tip and root burn. Very susceptible to leaf burn from chemical phytotoxicities. They do not like temperatures that exceed 97°F.
<b>Helianthus</b> ☼					See full culture sheet.
<b>Heliotrope</b>	1 ppp=5-6		65-75°F day 60-65°F night	200-250 ppm N	Pinch to promote branching.
<b>Isotoma</b>	6-8	10-12	65-70°F	100-200 ppm N	Cooler temperatures are tolerated and may improve plant bulking, but will delay flowering.
<b>Jamesbrittenia</b>	1 ppp=6-8	4 ppp=10-12	60-70°F day 55-60°F night	100-200 ppm N	Similar to bacopa except they are more heat tolerant, and more sensitive to mildew. Keep foliage as dry as possible to help prevent disease.
<b>Lantana</b>	1 ppp=5-6	4-6 ppp=14	65-75°F day 60-65°F night	200-250 ppm N	Do not allow to dry out between waterings; likes high heat and lots of sun; pinch to promote branching.
<b>Lobelia</b>	1 ppp=5-6	4-5 ppp=10-12	65-75°F day 60-65°F night	200-250 ppm N	Pinch 2-3 times to promote branching. Very attractive. Do not let it dry out.
<b>Lobularia</b>	1 ppp=4-5	4 ppp=8-11	65-75°F day 60-65°F night	150-200 ppm N	Keep moist but not over watered. Performs well at higher temps-up to 94°F.
<b>Lophospermum</b>	1 ppp = 4-6 wks	3 ppp = 10-12 wks	65-75°F day 60-65°F night	200 ppm Constant	Pinch recommended. Broad spectrum fungicidal drench recommended after planting. PGR's not usually required. Best if kept on slightly dry side, but avoid wilt.

☼ See specific Culture Sheet. | Note: ppp = plants per pot





(wks) 4" pots

(wks) 10" pots

Use lower end of fertilizer rates for pot crops; use higher end for hanger crops.

Species	Crop Time	Crop Time	Temperature	Fertilizer	Special Notes
<b>Mandevilla</b>	1 ppp=4-6	3-4 ppp=10-12	65-75°F day 60-65°F night	200 ppm N	Pinch recommended. To achieve longer vines, skip pinch. Needs warm soil temps. PH 5.8-6.0
<b>Mecardonia</b>	1 ppp = 5-6 (no pinch)	3 ppp = 12-15 (2-3 pinches)	65-75°F day 60-65°F night	150-200 ppm N	Proper water management is critical for proper growth. Soft black rot of underlying foliage can be caused by overwatering, cold temps and/or low media pH.
<b>Nemesia</b>	1 ppp=4-6	3-4 ppp=9-11	60-70°F day 55-60°F night	100-200 ppm N	Keep moist, but not wet. Do not allow it to wilt. Use fresh water regularly so salts do not build up.
<b>New Guinea Impatiens</b> ☼	1 ppp=9-12	3-4 ppp=14-16	65-75°F day 60-65°F night	100 ppm N	Do not over water in the beginning; allow pots to dry down before watering again. Clear water until roots reach sides & bottom of pot. Do not like cool night temps, under 63°F will result in poor growth, small leaves, poor branching, more Botrytis, and root problems; provide shade in spring. No pinch required for branching.
<b>Origanum (Bellissimo)</b>	8-10 weeks	3-5 ppp=10-12	65-75°F day 60-65°F night	100-200 ppm N	Do not over water!
<b>Osteospermum</b> ☼	1 ppp=5		60-70°F day 55-60°F night	150-200 ppm N	See full culture sheet.
<b>Pachystachys</b>	1 ppp=6	3 ppp=12-14	65-72°F day 65-72°F night	150-200 ppm N	Watch for spider mites, whiteflies and aphids.
<b>Pericallis</b> ☼					See full culture sheet.
<b>Petchoa</b>	1 ppp=5-8	3-4 ppp=9-13	60-70°F day 55-60°F night	150-250 ppm N	Recommend pinch wk 1.
<b>Petunia</b> ☼	1 ppp=5-8	3 ppp=8-12	60-70°F day 55-60°F night	150-200 ppm N	Likes high light (5000-9000 fc). Give 1-2 pinches, except Littleunias - no pinch.
<b>Plumbago</b>	not advised	4 ppp = 10 - 14	65-75°F day 60-65°F night	100-200 ppm N	Can suffer from manganese deficiency. Water new plants regularly to keep the soil consistently moist until the plants are established. Once established, plumbago requires watering only when the soil is dry to the touch. Plumbago is considered moderately drought-tolerant, and excessive moisture can lead to root rot.
<b>Portulaca</b>	1 ppp=4-5	4-5 ppp=11-17	65-75°F day 60-65°F night	100-200 ppm N	Likes high light (5000-7500 fc), high heat and is able to thrive in drought-like conditions; good to leach pots every 4 waterings. Likes lower feed.
<b>Rose</b> ☼					See full culture sheet.
<b>Salvia greggii</b>	1 ppp=7-11		65-75°F day 50-60°F night	200-250 ppm N	Pinch once established, approx 10 days after planting. A second pinch is advised for better branching in larger pots, leaving 4 leaves beneath the cut. Salvia greggii is very drought tolerant.
<b>Salvia farinacea</b>	1 ppp=6-8		65-75°F day 60-65°F night	100-200 ppm N	Full sun. Pinch once if you want more plant body.
<b>Salvia (Hummingbird Falls)</b>	6-8 weeks	10-12 weeks	65-75°F day 60-65°F night	150-200 ppm N	Moderate water needs.
<b>Salvia (Salgoon series)</b>	1 ppp=8-12	2-3 ppp=10-14	57-68°F day 50-57°F night	125-150 ppm N	Pinch once, above 2nd internode, 2 weeks after transplanting. Keep the plants relatively cool and dry.
<b>Sanvitalia</b>		3-4 ppp=12-14	65-75°F day 60-65°F night	200 ppm N	Cooler temps retard growth. Pinch multiple times. Sensitive to overwatering; keep on the dry side.
<b>Scaevola</b>	1 ppp=8-10	3-5 ppp=12-14	65-75°F day 60-65°F night	150-200 ppm N	Likes high light (5000-9000 fc). Give 2-3 pinches. Feed little to no phosphorous.
<b>Streptocarpus</b>	1 ppp = 4-6	4-5 ppp = 10-12	70-75°F day 65-70°F night (max temp should not exceed 86°F)	100-200 (too much fertilizer will burn blooms)	Recommend pinching twice. Avoid excessive watering, but does not like to dry out. PGR's are not necessary. Best location in some light, but not direct sun. Avoid cold temperatures.
<b>Sunpatiens</b> ☼	not advised	1 ppp=10-12	65-75°F day 60-65°F night	200 ppm N low ammonium	1 plant per quart or 6" pot. Grow in full sun with plenty of space to help control stretch. Growth retarding with B-nine while plants are smaller can help to promote good branching. Avoid using Bonzi.
<b>Thunbergia</b>	1 ppp=6-8	3 ppp=10-12	70-80°F day 60-65°F night	175-225 ppm N	Needs warm nights. Never allow to wilt. Use high nitrate feed (not ammonium). Do not transplant crown below soil level.

☼ See specific Culture Sheet. | Note: ppp = plants per pot



Species	(wks) 4" pots		(wks) 10" pots		Temperature	Fertilizer	Special Notes
	Crop Time	Crop Time	Crop Time	Crop Time			
<b>Torenia</b>	1 ppp=5-8	5 ppp=12-14			65-75°F day 60-65°F night	100-200 ppm N	Very easy to grow, does well in a wide range of growing conditions. One pinch produces a bushier plant. Sensitive to cold irrigation water.
<b>Verbena</b>	1 ppp=6-8	4-5 ppp=11-17			65-75°F day 60-65°F night	200-250 ppm N	Pinch for bushier growth. Do not allow plants to dry out; use a light shade in late spring when light levels rise. Powdery mildew prevention needed; monitor iron levels. Needs deadheading.

☞ See specific Culture Sheet. | Note: ppp = plants per pot

## FOLIAGE

Species	(wks) 4" pots		(wks) 10" pots		Temperature	Fertilizer	Special Notes
	Crop Time	Crop Time	Crop Time	Crop Time			
<b>Alpinea zerumbet</b>	1 ppp=4-6				75-80°F day 70-75°F night	150 ppm N constant	Grow warm; 70-80F, avoid drought stress.
<b>Alternanthera</b>	1 ppp=6				65-75°F day 60-65°F night	200-250 ppm N	Easy to grow.
<b>Artemisia</b>	1 ppp=4-5	6-7			65-75°F day 60-65°F night	100-200 ppm N	Be sure not to bury the crown when transplanting.
<b>Artemisia Sunfern (Olympia)</b>		10 - 12 wks			65-75°F day 60-65°F night	100-200 ppm N	Pinch to help with bulking.
<b>Calathea</b>	1 ppp=8-10				70-80°F day 65-70°F night	150 ppm N constant	Keep humidity high, do not allow to dry out, but don't allow to sit in water either. Avoid large temperature fluctuations.
<b>Centaurea</b>	8-10 weeks	10-12 weeks			65-75°F day	100-150 ppm N	Maintaining good watering techniques and allowing soil to dry (not wilt) between waterings yields the best results. Plants can be held at lower temperatures if needed once rooted out. Plants are quite cold tolerant.
<b>Chlorophytum</b>	1 ppp=8	6-8 ppp=18-24			65-75°F day 60-65°F night	50-100 ppm N	Plants should dry down between waterings but do not let soil dry out. Partial shade.
<b>Colocasía ☞</b>	1 ppp=6 wks in gallon pot				70-80°F day 50°F night	150-200 ppm N	Full sun; moist soil. Sensitive to high salt levels.
<b>Cordyline</b>	1 ppp=14-18				70-85°F day 65-68°F night	150-200 ppm N	Tolerates wide range of conditions. Likes high light and warm temperatures.
<b>Ctenanthe</b>	1 ppp=8-10				70-80°F day 65-70°F night	150 ppm N constant	Grow warm; 70-80F, avoid drought stress.
<b>Didelta</b>	1 ppp=9-12	3-4 ppp=9-12			60-70°F day 55-60°F night	100 - 150 ppm N	Pinch as necessary to encourage branching. Although plants grow slowly initially, Didelta FanciFiller will continue to grow at a steady pace throughout the summer months, so if being paired with other plants in a combination, it should be combined with plants of equal vigour.
<b>Dieffenbachia</b>	1 ppp=8-10				65-75°F day 60-65°F night	150 ppm N constant	Toxic to humans and animals, best to wear gloves when handling; water when top 2" of the soil is dry, then water thoroughly from the base of the plant.
<b>Duranta</b>	1 ppp=6				65-75°F day 60-65°F night	150-200 ppm N	2-3 pinches for shaping.
<b>Eupatorium</b>		3 ppp=10 - 12			65-75°F day 60-65°F night	100-200 ppm N	No pinch or PGR usually needed since height is desirable
<b>Ficus</b>	1 ppp=8-10				65-75°F day 60-65°F night	150 ppm N constant	Lyrata prefers shade; Elastica sun or part shade; avoid large temperature fluctuations.
<b>German Ivy</b>	1 ppp=4-5	4-5 ppp=13-17			65-75°F day 60-65°F night	150-250 ppm N	Easy to grow. Provide shade in spring when light levels rise. Treat like foliage. Do not overwater.
<b>Glechoma</b>	2 ppp=6-7				60-70°F day 55-60°F night	200 ppm N	Full sun to part shade. Pinch once.

☞ See specific Culture Sheet. | Note: ppp = plants per pot





Species	(wks) 4" pots	(wks) 10" pots	Use lower end of fertilizer rates for pot crops; use higher end for hanger crops.		
	Crop Time	Crop Time	Temperature	Fertilizer	Special Notes
<b>Hedera</b>	1 ppp=5-6	5-7 ppp=20-25	65-75°F day 60-65°F night	150-200 ppm N	Well drained soil with pH between 5.5 and 6.5.
<b>Helichrysum</b>	1 ppp=7-9	3-5 ppp=10-14	65-75°F day 60-65°F night	100-200 ppm N	Pinch at planting to produce a well-shaped plant; trim as needed. Dry down to damp between waterings. Rinse after feeding. Best to step up 4" before planting into large pot.
<b>Homalocladium</b>	6-8 weeks	10-12 weeks	65-75°F day	100-200 ppm N	Environment is critical to great growth after transplanting. At transplant, transition the rooted cuttings into 5000-6000 foot candles with a night temperature no lower than 65°F. Cold night temperatures, under 60°F are problematic to good culture.
<b>Ipomea</b>	1 ppp=4-6	3-4 ppp=8-10	65-75°F day 60-65°F night	150 ppm N	Pinch as necessary. Excellent as an accent. Sensitive to high humidity which can cause cell rupture/oedema.
<b>Iresine</b>	1 ppp=8-10		65-75°F day 60-65°F night	150-200 ppm N	Pinch for bushier growth. Reduce water & feed to control height.
<b>Lamium &amp; Lamiastrum</b>	1 ppp=6-8	3-4 ppp=10-12	65-75°F day 60-65°F night	150-250 ppm N	Pinch at planting, trim as needed. Full sun. Cool bright conditions improve plant habit.
<b>Lysimachia</b>	1 ppp=7-9	3-4 ppp=8-10	65-75°F day 60-65°F night	200 ppm N	1-2 pinches recommended. Allow soil to dry between waterings.
<b>Monstera (Deliciosa Liebm)</b>		6-8 wks	65-75°F day 60-65°F night	100-200 ppm N	Do not allow to get too cold.
<b>Muehlenbeckia</b>	1 ppp=10-12	N/A	65-75°F day 60-65°F night	100-200 ppm N	Recommend pinch at plant. Will tolerate both full sun and partial shade. For baskets, combine with other plants.
<b>Musa</b>	1 ppp=6-10 wks in a 6-10" pot.		65-75°F day 60-65°F night	200-250 ppm N	Keep soil moist. Full sun to partial shade. Plants love a rich soil.
<b>Oxalis</b>	1 ppp=6-8		65-75°F day 60-65°F night	200-250 ppm N	Pinching and PGR's not necessary.
<b>Peperomia</b>	1 ppp=18	3 ppp=24	65-75 day 60-65 night	100-200 ppm N	B9 or pinching will result in better branching
<b>Perilla</b>	1 ppp=5-7	3-4 ppp=8-11	65-75°F day 60-65°F night	150-200 ppm N	Loves heat and full sun. Keep well watered.
<b>Philodendron</b>	1 ppp=8-10	3 ppp=8-10	65-75°F day 60-65°F night	150 ppm N constant	Toxic if eaten. High humidity yields larger leaves and faster growth. Allow to dry out between waterings.
<b>Pilea</b>	1 ppp=10-12	3 ppp=14-16	65-75°F day 60-65°F night	100-200 ppm N	B9 or pinching will result in better branching
<b>Plectranthus</b>	1 ppp=4-5		65-75°F day 60-65°F night	100-200 ppm N	Pinch to promote branching.
<b>Pothos</b>	1 ppp=6-8	3-4 ppp=8-10	65-75°F day 60-65°F night	100-150 ppm N	
<b>Rhoeo</b>	1 ppp=6-8		65-75°F day 60-65°F night	100-150 ppm N	
<b>Scindapsus</b>	1 ppp=10-12	3-5 ppp=12-15	75-80°F day	200-250 ppm N	Do not allow temps to fall below 60°F (day or night). This is a slow growing variety. Does best in indirect light.
<b>Senecio candicans</b>	1 ppp=5-6	3 ppp=9-12	65-70°F day 60-65°F night	100-150 ppm N	
<b>Setcreasea</b>	1 ppp=6	4 ppp=10-12	65-75°F day 60-65°F night	200 ppm N	Pinch once if needed. Will tolerate almost any temperature. Full sun to part shade.
<b>Strobilanthes</b>	1 ppp=6-8	4-5 ppp=12	65-75°F day 60-65°F night	200 ppm N	Needs bright light, high humidity, and warm temperatures.
<b>Tradescantia Wandering Jew</b>	1 ppp=4-6	4 ppp=15-18	65-75°F day 60-65°F night	100-150 ppm N	Keep soil moist at all times
<b>Syngonium</b>	1 ppp=8-10	3 ppp=8-10	65-75°F day 60-65°F night	150 ppm N constant	Mildly toxic to dogs and cats. Allow to dry down well between waterings.
<b>Vinca major &amp; minor</b>	2 ppp=6-8		65-75°F day 60-65°F night	100-200 ppm N	Very easy to grow, do not allow to dry out excessively; pinch often to promote branching.
<b>Ferns</b>	1 ppp=10-16	3 ppp=20-30	varies	100-200 ppm N	Do not plant deep. Tropical ferns should be grown at 72°F day and night. Hardy ferns can be grown cooler at 60-65°F day and night.

☞ See specific Culture Sheet. | Note: ppp = plants per pot



# ORNAMENTAL GRASSES

Use 1 plug or 1 rooted liner for 4" pots up to 1 gallon.

Weeks @ Cold temp: 47-54°F | N/S=not suggested

Weeks @ Warmer temp: 57-65°F

Specie & Variety	Crop Time	Crop Time	Fertilizer	Hardiness	Sun/Shade	Special Notes
<b>Calamagrostis</b>	N/S	6-8	100-200 ppm N	4-10	☀️🌑	Allow plants to dry down between waterings
<b>Carex Amazon Mist</b>	N/S	9-10	100-200 ppm N	7-10	☀️	
<b>Carex Bronco</b>	N/S	8-9	100-200 ppm N	7-10	☀️	
<b>Carex Feather Falls</b>	20-24	9-11	100-200 ppm N	6-8	🌑	Prefers part shade. Do not allow to dry out.
<b>Carex Red Rooster</b>	24-28	10-14	100-200 ppm N	7-9	☀️	
<b>Cortaderia</b>	N/S	6-8	100-200 ppm N	7-10	☀️	Moisture: dry to medium.
<b>Cyperus Little Prince</b>	N/S	8-10	100-200 ppm N	9-11	☀️🌑	
<b>Hakonechloa</b>	24-28	8-10	100-200 ppm N	5-9	☀️🌑	Do not allow to dry out.
<b>Isolepis</b>	10-12	5-6	100-200 ppm N	annual	☀️🌑	Don't allow plant to wilt.
<b>Juncus Blue Arrows</b>	12-14	6-7	100-200 ppm N	5-9	☀️🌑	Can be used in wet locations.
<b>Juncus Blue Dart, Twister</b>	N/S	6-8	100-200 ppm N	5-11	☀️🌑	Can be used in wet locations.
<b>Juncus Twisted Arrows</b>	12-16	6-8	100-200 ppm N	5-9	☀️🌑	Can be used in wet locations.
<b>Lagurus ovatus</b>	N/S	8-9	100-200 ppm N	annual	☀️	Broad spectrum fungicide suggested at transplant
<b>Miscanthus</b>	N/S	8-10	100-200 ppm N	6-10	☀️	Plants will not establish root growth under cool temps and short days
<b>Muhlenbergia</b>	N/S	8-10	75-150 ppm N	6-10	☀️🌑	
<b>Pennisetum</b>	N/S	4-6	100-200 ppm N	8-10	☀️	Color is brightest under high light.
<b>Stipa</b>	12-16	6-8	100-200 ppm N	7-10	☀️	Moisture: medium to moist







# SUCCULENTS

Specie	Optimum Pot Size	Crop Time
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## Slow Growers

<b>Aloe</b>	2-4"	16-20 weeks
<b>Cotyledon</b>	2-4"	16-20 weeks
<b>Gasteria</b>	4"	16-20 weeks
<b>Haworthia</b>	2-4"	16-20 weeks
<b>Portulaca succulent</b>	4" 3ppp	16-20 weeks

Specie	Optimum Pot Size	Crop Time
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## Medium Growers

<b>Delosperma</b>	4"	10-14 weeks
<b>Graptosedum</b>	2-4"	10-14 weeks
<b>Kalanchoe</b>	4-6"	10-14 weeks
<b>Lampranthus</b>	4-6"	10-14 weeks
<b>Orostachys</b>	2-4"	10-14 weeks
<b>Peperomia</b>	3-4"	10-14 weeks
<b>Sedum creeping</b>	3-4"	10-14 weeks
<b>Sempervivum</b>	3-4"	10-14 weeks

Specie	Optimum Pot Size	Crop Time
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## Fast Growers

<b>Aptenia</b>	4-6"	6-8 weeks
<b>Crassula</b>	4-6"	6-8 weeks
<b>Echeveria</b>	4"	6-8 weeks
<b>Ephiphyllum anguliger</b>	4-6"	6-8 weeks
<b>Hoya kerrii</b>	4"	6-8 weeks
<b>Lithops</b>	2.5"	6-8 weeks
<b>Senecio</b>	4"	6-8 weeks

Special Notes: All succulents prefer warm temperatures and dry-to-moderate soil. Use a high-porosity mix like "cactus mix" to allow optimum drainage. If plants are too wet, they stall or rot. If they are completely dehydrated, they will not grow. For a good balance, we recommend a light watering with fertilizer once a week, only wetting the top layer of soil. Do NOT saturate the media. Omit the watering if the soil is still wet. If possible, do not let water sit in the "rosette" of the plants.

If planting mixed planters such as fairy gardens, you can mix these groups successfully and finish a planter in just a few weeks, depending how densely you place the plants.

Temperature: 65-70°F day / 60-65°F night | Fertilizer: 150-200 ppm

# PERENNIALS FIRST YEAR FLOWERING

Schedules below are suggestions, not a "cookbook". Compiled from various sources.

**Long days:** Provide 14 hours or more of daylight, or night interruption lighting for 4 hours.

Long days required		Quart Size				Gallon Size			
Specie & Variety	Plant	Natural Color	Liner	PPP	Crop Time	Liner	PPP	Crop Time	Other Notes
Achillea	✓ Mid-Late May	Early August				25 ct	1	12-14 wks	
Agastache	Program.	Continuous	50 ct	1	7-9 wks	50 ct	1-2	8-10 wks	Pinch as needed to get more size.
Ajuga	Spring	Sold Green	50 ct	1	6-8 wks	50 ct	1-2	9-11 wks	Plant previous fall if shipping in color.
Alcea Spring Celebrities Mix, Queeny Purple	Spring	Late July & onwards	Any	1	5 wks*	Any	1	8 wks*	Rust prevention advisable; red spiders love this specie so use a good systemic.
Armeria	✓ Program.	Summer		1	12-16 wks				Grows well in salty areas.
Asclepias	✓ Spring	Summer				25 ct	1	7-10 wks	
Bellis	Spring	Spring	144 ct	1	6-8 wks	25 ct	2	8-10 wks	
Brunnera macrophylla (Frostbite)	Spring	Summer				Any	1	10 wks	This specie is grown for the foliage, although you can expect to see some spring flowers after 2nd year.
Buddleia	✓ Mid-Late May	August	50 ct	1	5 wks*	50 ct	1	8-10 wks	
Campanula Champion Series 🌞	✓								See full culture sheet.
Campanula Rapido	✓ Spring	Summer	144 ct	1	9-11 wks				Do not bury crown.

☼ See specific Culture Sheet. | PPP = plants per pot. | Program. = Programmable Perennial | \*Crop may not be in bloom within the scheduled period, but should be up to saleable size.



Long days required

Specie & Variety	Plant	Natural Color	Quart Size			Gallon Size			Other Notes
			Liner	PPP	Crop Time	Liner	PPP	Crop Time	
<b>Coreopsis</b>	✓ Spring	Summer	50 ct	1	6-7 wks	50 ct	1	7-9 wks	Plant previous fall for sizing up gallons.
<b>Coreopsis Solanna™ Series</b>	✓ See notes	Summer	50/25 ct	1	8-9 wks	Any	1	6-8 wks	Spring for quarts, previous Fall for larger containers. Plants need time to bulk up.
<b>Delphinium</b>	Spring	Summer	144 ct	1	5-6 wks*	25 ct	1	10-14 wks	
<b>Dianthus-barbatus</b>	Program.	Summer	144 ct	1	7-9 wks	25 ct	2	10-12 wks	
<b>Dianthus-deltoides</b>	Spring	Summer	144 ct	1	7-8 wks	144 ct	3	7-8 wks	
<b>Digitalis</b>	Spring	June	25 ct	1	6-7 wks*	25 ct	1	9-11 wks*	Do not bury crowns. Would not be sold in color.
<b>Digitalis Dalmatian and Foxy</b>	Spring	Summer	144 ct	1	5-6 wks*	144 ct	1	9 wks	Fully first year flowering. Do not bury crowns.
<b>Echinacea</b>	✓ Spring	Summer/Fall				25 ct	1-2	12-17 wks	Pinch for more branching.
<b>Gaillardia</b>	✓ Program.	Summer		1	8-12 wks	25 ct	1	8-14 wks	
<b>Gaura</b>	✓ Program.	Summer	50 ct	1	8-10 wks	50 ct	2	8-10 wks	Do not bury crowns.
<b>Heliopsis</b>	✓ Spring	Summer				25 ct	1	9-11 wks	
<b>Heuchera</b>	Spring	Sold Green	25 ct	1	6 wks	25 ct	1	10-14 wks	This schedule is not for finished in bloom. Do not bury crowns.
<b>Hibiscus ☼</b>	✓ Spring	Summer/Fall	144 ct	1	8-10 wks	25 ct	1	12-14 wks	See full culture sheet on Luna.
<b>Hydrangea hybrida</b>	Spring/Summer	Summer	25 ct	1	8 wks	25 ct	3	8 wks (may need a pinch)	Aluminum sulfate recommended around the time of flower initiation (or 6-7 wks from transplant) to intensify colors.
<b>Iberis</b>	Summer	Early Summer	Any	1	6-7 wks	Any	1	6-7 wks	
<b>Leucanthemum</b>	✓ Spring	Summer/Fall		1	8-10 wks*	25 ct	1	8-12 wks*	Some sources suggest overwintering for best performance.
<b>Lobelia</b>	✓ Spring	Summer	144 ct	1	7-9 wks	25 ct	1	8-10 wks	
<b>Lupinus</b>	✓ Spring	Early Summer	144 ct	1	9-10 wks	25 ct	1	9-10 wks	Watch for foliar fungal diseases.
<b>Monarda</b>	✓ May	Late August	50 ct	1	5-7 wks*	25 ct	1-2	13-15 wks	Probably will need pinching for fullness.
<b>Myosotis</b>	Spring	Early Spring	144 ct	1	5-9 wks				Maintain low pH.
<b>Nepeta</b>	Spring	August	50 ct	1	6 wks*	50 ct	1	6-8 wks*	
<b>Perovskia</b>	✓ Spring	Summer	50 ct	1	7-9 wks	50 ct	2	13-16 wks	Pinch once.
<b>Phlox paniculata Flame Series</b>	✓ Spring	Summer	50 ct	1	9 wks	50 ct	2-3	9-11 wks	
<b>Platycodon</b>	Spring	Summer	144 ct	1	10 wks	25 ct	2-3	10-12 wks	
<b>Polemonium</b>	Spring	Early Summer	25 ct	1	5-6 wks*	25 ct	1	6-7 wks*	Vernalization and long days required if flowers are desired.
<b>Rudbeckia except Goldblitz</b>	✓ Spring	Summer	144 ct	1	7 wks	25 ct	1	8-10 wks	Not true perennials. Require good drainage.
<b>Rudbeckia Goldblitz</b>	✓ Mid-Summer	Summer/Fall	Any	1	9 wks*	Any	1	13 wks	
<b>Sagina</b>	✓ Spring	Spring		1-2	5-6 wks				
<b>Salvia</b>	Spring	Spring/Early Summer		1	6-8 wks	25 ct	1-2	8-10 wks	
<b>Salvia guaranitica</b>	✓ Spring After Frost	Summer	25 ct	1	6-8 wks	26 ct			Requires long days. Not hardy above zone 7.
<b>Scabiosa</b>	Spring	Summer		1	7-9 wks	25 ct	1-2	7-9 wks	Do not bury crowns.
<b>Sedum Upright</b>	✓ Spring	Fall	25 ct	1	8-10 wks	25 ct	2	12-15 wks	Pinch recommended.
<b>Stachys</b>	Spring	Sold Green		1	7 wks		1	8 wks*	Grown for foliage.
<b>Thymus Woolly Thyme</b>	Spring	Sold Green	50 ct	1	9 wks*	50 ct			Used as ground cover or filler.
<b>Verbena</b>	✓ Spring	Summer	144 ct	1	8-10 wks	25 ct	1-2	10-12 wks	Do not finish for early spring sales, needs heat to finish well.

☼ See specific Culture Sheet. | PPP = plants per pot. | Program. = Programmable Perennial | \*Crop may not be in bloom within the scheduled period, but should be up to saleable size.





# PERENNIALS

## VERNALIZATION REQUIRED

Schedules below are suggestions, compiled from various sources.

**Vernalization:** This group of plants requires over-wintering or “vernalization”, either for successful flowering or for “bulking up” the plants. Since Jolly Farmer does not offer over-wintered perennials, there are two ways you could use these products. Either purchase the plants in the summer/fall season and over-winter them yourself (see instructions) or plant them in spring and sell them “green”. If the over-wintering was required for

bulking the plant, you may need more plants per pot to size them up in one season.

**Finish Time Clarification:** If you have over-wintered your products, the “Crop Time” columns will indicate how many weeks of warm temperatures it will take for them to fill out and/or bloom again. Period of time for warm up starts when temperatures reach 60-68°F.

If you are growing these plants from a spring planting for sale in the same season, the “Crop Time” columns will give you an indication of grow time. Again be sure to note if the over-wintering was necessary for bulking and add extra plants per pot.

**Long days:** Provide 14 hours or more of day-light, or night interruption lighting for 4 hours.

**Plants that require vernalization:**

1. For green spring perennials, use a well

drained potting media, and grow on at 60°F night, 70°F day. Feed with 150-250 ppm N.

2. Overwinter your own perennials. Purchase them during the summer. After planting, allow several weeks for plants to become well rooted with mature crowns. Then temperatures can be lowered to 35-40°F for two weeks, then lowered again to 28-30°F. Keep cool for 8-12 weeks. Ship in spring and summer when plants are ready. (See charts.) Overwintering success depends on having well-rooted, established plants BEFORE the cold sets in. If you are not using a greenhouse where temperatures can be controlled, you will need to use thermal blankets, straw or other means of keeping the plants from freezing. Period of time for warm up starts when temperatures reach 60-68°F.

Specie & Variety	Plant	Natural Color	Quart Size			Gallon Size			Other Notes
			Liner	PPP	Crop Time	Liner	PPP	Crop Time	
<b>Alcea</b>	Fall	Summer	Any	1	5 wks*	Any	1	8 wks*	
<b>Aquilegia</b> ☼		Early Spring							See full culture sheet.
<b>Carnation</b>	Early Fall	Early Summer	Any	1	9 wks	Any	1	9 wks	
<b>Cerastium</b>	Fall	Early Spring- Early Summer	Any	1	5 wks	Any	1	7 wks	
<b>Digitalis Other</b>	Fall		Any	1	5 wks*	Any	1	9-11 wks*	Do not bury crowns.
<b>Euphorbia</b>	✓ Late Summer	Spring	Any	1	5-6 wks*	Any	1	6-8 wks	
<b>Kniphofia</b>	✓ Mid-Summer	Late Summer	Any	1	9 wks*	Any	1	11 wks	Needs long days to bloom.
<b>Liatris</b>	✓ Mid-Summer	Summer				Any	2	9 wks	
<b>Papaver orientale</b>	✓ Late Summer	Early Summer	Any	1	5 wks*	Any	1	9 wks	
<b>Phlox paniculata other</b>	Spring	Summer	50 ct	1	9 wks	50 ct	2-3	9-11 wks	
<b>Phlox subulata</b>	Late Summer	April-May	50 ct	1	minimal time	50 ct	2-3	minimal time	Blooms very early in spring. For green, spring program allow 9-11 wks.
<b>Thymus creeping</b>	✓ Fall	Summer/Fall	Any	1	9 wks				Needs adequate soil drainage. Prefers cool nights.
<b>Veronica</b>	✓ Mid-Late Summer	Summer	50 ct	1	5-9 wks	50 ct	1	8-12 wks	
<b>Vinca Minor</b>	Mid-Summer	Sold Green	50 ct	1-2	10 wks	50 ct	1-2	10 wks	Needs time to bulk.

☼ See specific Culture Sheet. | PPP = plants per pot. | \*Crop may not be in bloom within the scheduled period.





# ALSTROEMERIA

Information courtesy of Flamingo Holland

## Transplanting

Remove plugs carefully from trays so as not to damage roots. Do not bury plugs when transplanting.

Keep soil surface of plug level with soil surface of finished pot. If buried, number of shoots may be reduced and delayed.

## Container Sizes and Crop Times

8-inch (20cm) = 16 weeks

10-inch (25.5cm) = 18 weeks

12-inch (30cm) = 20 weeks

## Growing Media

Plant into a well-drained, medium to coarse-textured growing mix. With larger pots and longer crop times, there is greater need for more perlite, pumice, coir, or bark in mix to avoid compaction and shrinkage of media.

## Temperature

Ideal average daily growing temperature 55°–58°F (13°–14°C). If grown lower than 50°F (10°C) average, rhizomes can go dormant. Can be grown with warmer days if can keep soil temperature <60°F (15.5°C). Alstroemeria does not grow or flower well at temperatures >80°F (27°C), so plan on growing this crop for spring sales only, unless in Northern regions. If grown cooler than ideal, will delay flowering. If grown warmer than ideal, plants will not be as compact.

## Light

Alstroemeria likes high light levels but cool soil temperatures, as the plant is originally from the Andes mountains. Provide light levels >3000 foot-candles or >5 moles per day (DLI). Lower light levels will delay flowering by 7–10 days. Avoid high leaf and soil temperatures when using high light levels. Will flower up to 2 weeks faster with longer days and more total light.

## Pinching

Do not pinch.

## Water and Feed

Alstroemeria is a thirsty crop, so keep even moisture in containers and avoid too dry or too wet.

Feed as needed with 150–200 ppm N from balanced fertilizers such as 15-5-15, 17-5-17, or 13-2-13, which contain calcium and magnesium. Avoid using controlled release fertilizers when growing cool, as less N available to plants at that cool temperature and salts may build up. If leaves turning more yellow, increase ppm or feed more often. Keep media pH 6.0–6.5 as this plant likes more alkaline conditions. Maintain media EC 2.0–2.5 (SME).

## Growth Regulators

None needed

## Flowering

Controlled more by photoperiod, total light, and cool temperatures. Remove old flowering stalks and leaves by pulling up quickly from the base. This technique will allow continuous flowering of plants. Do not cut them off. If needed, yank out blind shoots to improve flowering.

## Insects and Diseases

Thrips, aphids, slugs and snails, fungus gnats, root rots (especially Pythium), Botrytis.

## Common Problems and Causes

### Plants do not flower

- Soil temp >60°F (15.5°C)
- Short days
- Low light conditions
- Poor rhizome development

### Poor plant vigor

- Lack of fertilizer
- Wet soil – Pythium
- Too low of temperature
- Excessive thinning of shoots

### Flower bud abortion

- Low light conditions
- Low calcium levels in soil
- High air temperature
- Overwatering

# AQUILEGIA EARLYBIRD™

## Temperature

Day: 65–68°F (18–20°C)

Night: 50–54°F (10–12°C)

## Lighting

Avoid flowering beneath the foliage in very short natural daylength period. When producing under natural daylength shorter than 11 hours, 15 minutes during flower development stage (about 4 weeks from your target sales date), flowers could hide beneath foliage. Supplemental long day lighting (night interruption from 10 pm to 2 am or 16-hour daylength extension) will achieve flower stem elongation.

## Bulking Strategy

For best and richest flowering, allow plants 3–4 weeks to bulk after transplanting; best in the cooler season.

## Media

pH: 5.5–6.2

EC: 0.7–1.2 mS/cm (saturated media extract)

## Fertilizer

100–150 ppm nitrogen

## Pinching

No

## Moisture Level

Alternate between a level 4 (wet) and level 2 (medium). Allow soil to dry back to a level 2 (medium) before irrigating up to a level 4 (wet).

## Plant growth regulators (PGRs)

If needed, B-Nine (daminozide) at 2,500–5,000 ppm or Bonzi® (paclobutrazol) drench at 10–15 ppm are effective. PGR applications are more effective if applied early in the crop cycle. Please note: Cycocel causes phytotoxicity.

## Pests

Leafminer larvae, foliar nematode, aphids, thrips

## Diseases

Powdery mildew, Alternaria leaf spot, Pythium, Rhizoctonia, Thielaviopsis, Cucumber mosaic virus (CMV, spread by aphids), Impatiens necrotic spot virus (INSV, vectored by thrips)

## Scheduling

Container Size	Crop Time After Transplant	Plants Per Pot	Season
Annual 1.0 quart	12-16 weeks	1	Spring, ADT 55°F
Annual 1.0 gallon	13-16 weeks	2-3	Spring, ADT 55°F
Overwinter 1.0 quart	20-30 weeks	1	Early Spring, ADT 50°F
Overwinter 1.0 gallon	20-30 weeks	2-3	Early Spring, ADT 50°F

# BEGONIA BOLIVIENSIS

Information courtesy of Benary and Selecta

## General

Boliviensis is a tuberous begonia originating from a cliff-dwelling species that is extremely water and cold sensitive. They need 14 hours of light, temperatures above 56°F (13°C) and moderate light levels, as well as constant feed to actively grow and achieve satisfying results. You should never grow them like traditional tuberous or other types of begonias. Starting them too early, (when days are short and temperatures are low), will result in waterlogged, dormant plants. The later you start, the easier your crop will be to grow on and the quicker it will finish.





## Media

Use a well-drained potting media.

pH of 5.8-6.2 is optimum

EC of 1.0-1.5

## Temperature

**Night:** 57-60°F (13-16°C)

**Day:** 65-75°F (18-24°C)

Crop can be finished cooler in final weeks of production; maintain temps 58-60°F (13°C).

**Average daily temperatures** < 57°F (14°C) can result in tuber formation and/or crop delay.

## Light

**Day length:** Boliviensis begonias must be scheduled to grow under long days (12 hrs) to keep plants from producing tubers and to initiate flowering (as you would for a tuberous begonia). Crops produced under short days (less than 12 hours) will result in small plants and poor flowering; or the crop “stalling” altogether.

**Light levels:** Boliviensis begonia should be grown under moderate light levels of 3,000 to 4,000 fc (30,000 to 40,000 Lux). Higher light levels (>4,000) fc encourage compact growth but use caution because although long days promote flowering, plants will scorch under high light and high temperatures.

## Watering

The media should be allowed to dry between watering. Water stress can be used for growth control; however, periods of sustained wilting should be avoided. Excess water will result in unwanted stretch and disease.

## Fertilizer

Use a constant liquid feed program of 100 to 200 ppm N. Regular leaching with clear water will help to reduce buildup of excess salts in media. Keep ammonium levels low, otherwise roots become damaged. High “N” levels cause the foliage to become too large. Keep pHs below 6.5 to avoid iron deficiency. Apply chelated iron if chlorosis becomes a problem. To prevent magnesium deficiencies apply magnesium sulfate as needed.

## Pinching

Pinching is not recommended or required for Begonia boliviensis. Plants can tend to grow straight up and/or look “skinny”, but they will start to bulk/branch out on their own after appropriate time.

## Growth Regulators

Always follow the label. A spray with Cycocel at 250-300 ppm two weeks after transplanting is recommended. Cycocel will not hasten flowering, but will increase the number of flowers. If using growth regulators, two applications will likely be necessary. A negative DIF of 2-3°F is also very effective in height control. If using DIF then no additional PGR's should be necessary.

## Fungicides

Always follow the label. Apply fungicides during long periods of low light and high humidity.

## Common Diseases

Botrytis, Pythium, Rhizoctonia, Powdery Mildew and Tomato Spotted Wilt Virus.

## Pests

Primarily aphids and thrips.

## Crop Scheduling

Container	Per Container	Total Crop Time
4-5" pot	1 plant	5-7 weeks
6-8" pot	1-2 plants	6-8 weeks
1 gallon	2 plants	7-9 wks
10-12" pot	4-5 plants	10-12 weeks

## Cultural Hints

Spacing the plants will increase overall plant quality. Do not grow too wet. Use medium moisture levels because the roots are sensitive to overwatering. Keep humidity levels low to avoid problems with Powdery Mildew. Hanging baskets can produce an abundance of self-cleaning flowers dropping on plants below so hang in an appropriate location at maturity.

# BEGONIA REX

## Transplanting

Do not plant liners too deep. The soil level of the liner should match the soil level of the container.

## Media

Use a well-drained, disease-free medium with a pH of 5.8 to 6.2 and medium initial nutrient charge. Peatlite mixes work well. High EC will stunt growth and cause marginal leaf burning. Do not exceed an EC of 1.8 SME (Saturated Media Extract).

## Light

Rex Begonias are a shade crop. For the first 2 weeks after planting, light levels should be about 900 fc or 70% shade (9,000 lux). From week 3 to finish, light levels should be maintained between 1,500 and 2,500 foot candles or 50% shade (15,000 to 25,000 lux). Rex Begonias are a short day crop (they flower under short days (less than 12 hours) and do not require supplemental lighting.

## Temperature

**Night:** 65 to 70°F (18 to 21°C) with a minimum of 60°F.

**Day:** 70 to 80°F (21 to 27°C) with a maximum of 90°F. Do not run cool (under 65°F) for the first 14 days after transplanting.

## Watering & Fertilizer

Rex Begonias prefer a constant, moderate soil moisture. Wet conditions will encourage root diseases. Moderately moist is ideal, and they should never dry out. Overhead watering is not recommended on Rex Begonias. Constant feed with 100 ppm N with a balanced fertilizer. 20-10-20 or 15-5-15 is recommended.

## Growth Regulators

Always follow the label. Growth regulators are generally not necessary, but when light levels are lower than optimum, some stretch can occur. One application of A-Rest 50 ppm will control the stretch.

## Pinching

Pinching is not needed.

## Spacing

Do not crowd Rex Begonias. Plants should be given plenty of space in all stages of development. Over-crowding results in petiole stretch and often bacterial leaf spots. Plants should be re-spaced when they begin to touch each other.

## Common Pests

Aphids, Mealybugs, Thrips

## Diseases & Fungicides

Always follow the label. The best control is good ventilation and plenty of space between plants. Foliar spraying is not recommended on Rex Begonias, and should not be a common practice. Apply a rotation of the fungicides below every 2 weeks.

**Powdery Mildew** - Foliar Spray with Compas-O, Cygnus, Heritage or Phytan 27

**Botrytis Blight** - Foliar Spray with Dithane, Daconil, Decree, or Endorse

**Myrothecium** - Foliar Spray with Compas-O, Heritage or Medallion

**Bacterial leaf spot** - Foliar Spray with Kocide (not recommended close to shipping time because of spray residue.)

## General Crop Scheduling

*From a 25 count size liner*

Size	Per Pot	Crop Time
4-5" Pot	1 liner	6-8 weeks
6" Pot	1 liner	10-12 weeks
8" Pot	2-3 liners	10-12 weeks
10" Basket	3-4 liners	12-14 weeks



# BEGONIA

## HIEMALIS & HYBRIDS

### Introduction

These begonia series offer easy to produce options that are a comfortable fit with most warm climates, high light spring production practices.

### Pot Sizes

Begonias are perfectly suited for production in commercial forms of 4", 5" or larger. They are an excellent hanging basket, and can be used in larger basket forms (12" or greater) and in combination planters.

### Light

Additional lighting in the initial phases of crop development is very beneficial. Growers can consider using either assimilation lighting for either the entire crop or only for the first four weeks combined with cyclic lighting of 10 minutes per half hour for the balance of the crop. Assimilation lighting should be implemented at the rate of 3.5 watts/sq. ft., with a total day length of 16 to 18 hours. The use of assimilation lighting is especially useful in developing strong vegetative growth during the winter months.

### Temperature

Until the transplants are well rooted, temperatures should be maintained at 68°F (day and night). Once plants are well rooted, temperatures can be reduced to 64°F (day and night) for the balance of the growth cycle. For additional plant tone during the last two weeks of the crop cycle, temperatures can be reduced to 58°F. Ventilation should occur when temperatures exceed 75°F.

### Transplanting/Pinching

These begonias should be transplanted into a well drained, low to moderate EC substrate. Liners should be transplanted upon receipt or when they have reached maturity in the propagation phase. Liners that are held for even short periods of time before transplanting will not branch as freely as product that is handled at the proper maturity. Plants should be "soft" pinched no later than two weeks after transplanting. The process should leave three (3) to four (4) leaves below the pinch. The pinch removes any pre-mature buds that may have developed in the apical meristem and the subsequent lateral shoots that are developed under long days or supplemental lighted regimes. This will provide the vegetative structure for a successfully proportioned plant.

### Fertility

After transplanting and successful rooting out of the original plug, initial feeding practices of 125 ppm N of Calcium Nitrate should be conducted for one to two weeks. From this point forward until week six of the crop, plants should be fed with 150 ppm N 15-5-15. After week six plants can be fertilized with potassium nitrate or a balanced fertilizer high in potassium. It is important to avoid using fertilizer compounds high in ammoniacal nitrogen; these fertilizers will provide excessive vegetative growth and softer plants, which may be more problematic in transport.

### PGRs

Always follow the label. Cycocel® may be applied at the rate of 750 ppm on bi-weekly intervals, or Bonzi® may be applied at the rate of 3 to 5 ppm as a foliar application near the finish of the crop. A negative DIF may also be employed, and the DIF should be managed in the range of 5-7°F throughout the crop.

### Crop Scheduling

The following table is offered as a starting point for scheduling certain popular forms of this product. Realize that the stated times are not absolute and subject to the amount of light, temperature and fertility that the crop may receive.

**4-5" Container:** 1 plant, pinch 2 wks after transplant, 7 wks total crop time.

**1 gallon:** 1 plant, pinch 2 wks after transplant, 9 wks total crop time.

**10" hanging basket:** 3-4 plants, pinch 2 wks after transplant, 10 wks total crop time.

**12" hanging basket:** 4-5 plants, pinch 2 wks after transplant, 12 wks total crop time.

## CALIBRACHOA

### VEGETATIVE

### Media

Always water plants thoroughly before planting. Use a standard, well-drained, disease-free potting mix with medium fertilization. Starting pH should be 5.2-5.8. Maintain a low pH throughout the crop cycle by either using an acid fertilizer or reducing water alkalinity with acidification. Have the water tested at a laboratory to determine alkalinity levels.

### Light

Full sun to part shade (particularly in the summer when the temperatures are hot). Low light levels can cause soft, stretchy growth and an unattractive plant habit. High light levels will help produce an excellent product. During short days (less than 12 hours of natural day length), use supplemental lighting of 14¼ hours or more to initiate flowering.

### Temperature

**Night:** 60-65°F (15-18°C)

**Day:** 68-72°F (20-22°C)

**Ave. Daily Temperature:** 65-68°F (18-20°C)

Cool temperatures (60°F night and 68°F day) will help produce a quality product, but will require a longer crop time. Note: Grown too cool, calibrachoa is susceptible to root rot.

### Watering

Do not allow plants to dry out in any stage. Keep plants moist, but not wet, for the first week or so until rooting is established. Once rooting is established allow moderate dry-down between watering. On larger containers, where larger growth is desired, keep moist for a longer period, then begin dry-down cycles. Regular, moderate stress helps to promote good roots, strong top growth and quick bloom times. Leach pots periodically to prevent salt build up.

### Fertilizer

Calibrachoa is a heavy feeder. Constant feed with 200-300 ppm N with average levels of micro-nutrients, and with slightly higher iron levels to maintain green foliage. Use an acid fertilizer such as 21-5-20, 20-10-20, or 23-3-19 plus Magnesium.

### Growth Regulators

Always follow the label. High light levels in combination with cool temperatures will help reduce the need for growth regulators. Using a negative DIF (night temperature is warmer than the day temperature) will also help control stretch. A drench with 1-5 ppm Bonzi/Piccolo/Paczol (0.03-0.16 fl oz/gal), (concentration will vary with the season) is also very effective. Here are general guidelines.

**8" basket:** 1-1½ cups per pot (of the above solution)

**10" basket:** 1½-2 cups per pot

**12" basket:** 2-2½ cups per pot

B-Nine/Dazide-2,500-5,000 ppm (0.39-0.79 oz/gal), 1-2 applications after the first pinch.

### Pinching

We recommend pinching vegetative calibrachoa at least once in 4-inch to 6½-inch pots, unless you are buying a pre-pinched product. A hanging basket may require 1 to 2 pinches. Allow 7 to 9 weeks from pinch to bloom, longer below 65°F ADT (Average Daily Temperature).

### Spacing

4 inch pots-1 to 3 inches between pots

6 inch pots-3 to 5 inches between pots

8 inch pots-4 to 8 inches between pots

### Common Pests

Aphids, Thrips





## Diseases & Fungicides

**Powdery Mildew** - Calibrachoa is very susceptible to Powdery Mildew and the frequency of this disease appears to be increasing each year. The early stages of infection can be difficult to see. Sometimes it can begin with the yellowing of lower leaves in the interior of the plant canopy which can turn necrotic and die leaving the center of the plant bare. Scout your crop regularly and carefully, especially the lower, interior leaves taking time to examine the tops and bottoms of any yellow leaves with a hand lens to see if you can discover the tell-tale talcum-like fungal colonies. In addition, increase spacing between plants to lower the humidity of the canopy. If you discover any problem, alternate between systemic fungicides with different modes of action and apply with a protectant fungicide Daconil in order to delay resistance.

**A suggested rotation might include:**

**1st spray:** Eagle (Nova), Trinity or Terraguard + Daconil

**2nd spray:** Pageant (Pristine) + Daconil

**3rd spray:** Compass + Daconil

**Thielaviopsis or Phytophthora** - Soil drench with Cleary's/Subdue 1 week after planting. (This is particularly useful on hangers, where treatment can be difficult after hanging.)

## General Crop Scheduling

*From a 50 count size liner*

Size	Per Pot	Crop Time
306 Pack	1 liner/cell	5-9 weeks
4" (10 cm) pot	1-2 liners	5-9 weeks
6½" (16 cm) pot	2-3 liners	6-10 weeks
Basket	4-5 liners	10-16 weeks

# CAMPANULA CHAMPION

*Information courtesy of Sakata Seeds*

## Media

Plant in well-drained media with a starting pH of 5.8-6.2.

## Fertilizer

Fertilize the pots weekly with 150ppm N, Calcium Nitrate-based fertilizer.

## Plants Per Pot

Plant one plant per 6 inch pot.

## Temperature and Scheduling

**Week 1 – Week 3** Grow at 68°F to establish the plants.

**Week 4 – Week 6** Drop the temperature to 50-55°F and provide long day treatment for 3 weeks (total 16 hour day length). Night interruption from 10pm to 2 am works well using incandescent (mum) lighting. For fuller pots and a rounder look make a soft pinch as the plants begin to elongate vertically.

**Week 7 – Week 9** Maintain cool temperatures of 50-55°F, but stop day length manipulation (turn off the lights). Drench the pots with 10-20 ppm of Bonzi with 50 cc per pot at the beginning of week 7\*. Use lower rates in northern areas or under lower temperatures and light levels. Champion Blue and White Improved are slightly less vigorous than Pink and require less growth regulation.

\*For pinched plants, apply within 2 weeks after pinching, before elongation of side shoots.

**Week 10 – Week 13** Raise the temperature to 59°F.

**Week 14** Pots should begin flowering. Pots can be sold in the bud stage (big and puffy) as the buds will open nicely indoors; especially if placed near a lamp or bright window.

Note: In mid to late spring the longer photoperiod, higher light levels and warmer temperatures will accelerate flowering.

# COLOCASIA ROYAL HAWAIIAN

*Information courtesy of Plant Haven*

## Hardiness

USDA Zones 7b-11: frost will trigger dormancy.

## Light

Full sun for best color.

## Soil

Rich, moist. Colocasias are wetland plants. Burnt leaf edges can be a sign of under-watering and/or over-fertilizing.

## Temperature

The warmer the better for fast growth.

## Fertilizer

Must avoid over-feeding for best results.

## Recommended Finished Pot Size

1 gallon and larger.

## Finish time

(when grown warm) from liner to:

**1 gallon pot:** approx. 6 weeks.

**5 gallon pot:** approx 12-15 weeks.

**15 gallon pot:** approx. 20-24 weeks (select colors).

Treat as other tropicals. Avoid extended dry periods.

# GERANIUMS REGAL ELEGANCE™ SERIES

*Information courtesy of Dummen*

## Product Forms Available

Single root liners (which are budded but not pinched) are good for 4.5" to 5.5" pots.

## Finishing Pre-Budded Regal Geraniums

**All product forms:** Liners should be transplanted into final container and spaced into the finishing environment.

**Grow 6" pots** at 1 pot per square foot.

**4.5" and 5.5" pots** at 2½ pots per square foot.

## Temperature

**Night:** 59°F (15°C)

**Day:** 65°F (18°C)

If you have heated floors run the soil temperature at 60°F.

## Fertility

Supply 200 to 250 ppm nitrogen and potassium constant liquid feed, using a balanced liquid fertilizer complete with micronutrients. Periodic applications of Epsom salts are also beneficial. Maintain EC below 1.0 mmhos. Regals are sensitive to excess soluble salts. If EC is above the recommended range, do not allow the plants to dry excessively. If the EC's below 1.0 mmhos, plants should be allowed to dry slightly between irrigations. Soil pH should range from 5.5-6.2.

## Lighting

Regals are light accumulators; high light levels and long days will enhance flowering. Provide 16 hour days September 15th through April 1st. These lights should supply a minimum of 10 foot candles at plant level (similar to Mum lights). Shade if light levels exceed 3,800 fc, until the plants begin to show color. At this time, light levels should be reduced to 2,500 fc to extend the longevity of the flowers.



## Moisture Management

Until the first bud appears, the plant should be allowed to dry between irrigations to control vegetative growth. As flowers begin to develop, irrigation frequency should increase to avoid problems with flower bud abortion.

## Height Control

If plants are grown under adequate light levels, with moderate moisture and cool nights, height control should not be necessary. If needed, Regals will respond to Cycocel®. Apply Cycocel® at 1,500 to 3,000 ppm as a spray until the buds begin to elongate. Cycocel® can be applied at 7-14 day intervals. If this is the first time working with Cycocel® on Regals test the application on a small number of plants first and always consult the label for further instructions.

## Insect and Disease Concerns

**Whiteflies** can be a concern on a Regal crop. Monitor populations using yellow sticky cards, and make necessary insecticide applications to control populations prior to flower development.

**Botrytis** is also a major concern at all stages of the crop. Maintain relative humidity below 70% in the finishing environment, and provide good air circulation and ventilation. Water plants early in the day, and avoid overhead irrigation. Weekly fungicide sprays are beneficial for prevention of botrytis.

## Crop Timing\*

**Single budded liner:** 8-10 weeks

\*Crop timing will vary depending on temperatures and light levels. Crop timing will be extended without the use of supplemental lighting if the crop is scheduled for production during the months between September 15th and April 1st.

## Shipping Information

Regals are very sensitive to ethylene in transit. Leaf yellowing and bud abortion may occur if time in transit is prolonged. For best results, ship plants with one or two open flowers and use Ethylblock.

# GERANIUMS SEED

*Information courtesy of Syngenta*

## Flower Initiation

Time Frame when plants are receptive to flower initiation: Days 18-24; 4-6 leaves present.

## Flowering

Geraniums are day-neutral plants. Light and temperature trigger flowering. Geraniums are light accumulators, the more light received, the faster the growth and earlier the flowering. DIF treatments may negate flowering.

## Finish Bulking/Flower Initiation

Optimum conditions during the vegetative period, beginning at transplant, needed for the root to reach the edge of the container; AND to make the plant receptive to flower initiation.

## Media

**pH:** 6.2-6.5. Low pH symptoms include yellowing of leaves, interveinal chlorosis and necrosis.

**EC:** 1.2-1.5 High salts may encourage roots to become very brittle.

## Light

**Hasten Flower Induction:** Provide 3500-4500 foot candles (15-20 total moles or 35,000-45,000 lux) to hasten flower induction.

**Enhance Shoot and Root Growth:** Supplemental lighting under low light conditions at 350-450 foot candles (35,000-45,000 lux) will enhance shoot and root growth.

**Induce Early Flowering:** Lighting after transplant for 2-3 weeks, at 300-500 foot candles (3000-5000 lux) for 14-18 hours a day will induce early flowering.

## Temperature

**Night:** 60-65°F (16-18°C)

**Day:** 70-75°F (21-24°C)

Manipulation of night temperatures after buds are visible can speed up or slow down flower development to meet a sales date.

**Average Daily Temperature (ADT):** 67°F (19°C)

## Moisture

Alternate between moisture levels wet (4) and moist (3). Allow media to approach level (3) before re-saturating to level (4). Excessive drying of the media moisture level will concentrate salts around the root system and burn the root hairs. Symptoms of excessive drying include lower leaves turning reddish to yellow, and root tip die-back.

## Dehumidify

Provide horizontal airflow to aid in drying down the media through evapotranspiration under cool, low light conditions.

## Fertilizers

Constant liquid feed at 200 ppm N with a calcium-based fertilizer (13-2-13 or 14-4-14).

## Growth Regulators

A total of 4-5 applications of Cycocel (chlormequat chloride) at 750 ppm beginning when 3-5 true leaves are present will control growth. **Note:** Do not apply Cycocel after the buds have emerged above the foliage. Small and/or malformed flowers will result from late applications of Cycocel. Also responds to A-Rest (ancymidol), Bonzi (paclobutrazol), Sumagic (uniconazole) or B-Nine/Cycocel (chlormequat chloride) tank mix.

## Common Diseases

Botrytis, Pythium, Alternaria, Pseudomonas, Rust

## Common Pests

Thrips

## Scheduling

Transplant To Finish Crop Time:

4" crop: 7-10 weeks

6" crop: 10-12 weeks

## Product Use

Pots, containers, mass plantings.

# GERBERA SEED

*Information courtesy of Ball Horticultural*

## Media

Use a light and well-aerated media.

## Pot Size

12 cm pots (pH 5.5-6).

## Irrigation

Overhead watering is possible until the flower buds appear, but watering directly into pot or grow with ebb/flow floors is preferred.

## Density

After potting the density is approx. 80 pl/m<sup>2</sup> for 3-4 weeks; by then the plants need to be spaced to 20-25 pl/m<sup>2</sup> until end of culture.

## Temperature

Best results with 66/66°F (19/19°C) or 66/62°F (19/17°C). In darker periods day/night temperatures can be reversed to keep stem length somewhat shorter.

## Diseases/Pests

Should any disease or pest (mildew, white fly, thrips) emerge, treat with pesticide.

## Fertilization

Gerbera requires relatively high fertilization.

## Light

Gerbera likes to be grown under high light conditions. During the darker period of the year, additional lighting can be applied.

## Crop Time

Depending on the sowing date, the available light and the required pot/plant ratio, the culture will take approx. 14 weeks from sowing to 50% flowering. The second 50% can be reaped in 10-14 days.

This information is based on West European conditions and is given for general guidance only. No guarantee is given for the result of the crop, nor is liability accepted for the consequences of applying above indications.





# GERBERA

## GARVINEA®

Information courtesy of Florist Holland B.V.

### Media

Use a well draining, coarse substrate for successful rooting. pH between 5.5-5.8. EC around 1.0-1.5. Watch the pH; a high pH can cause chlorotic leaves.

### Pot Size

The young plants can be transplanted in 10-21 cm / 4-8" pots. Transplant the plant in the center of the pot, with the top of the plug leveling the surface of substrate. Use pots with at least 4 drainage holes and a lip. After transplanting place the pots pot-tight for an optimal micro climate.

### Irrigation

Start with overhead irrigation (for strong root development). When the flower buds appear, ebb/flow or drip tubes are preferred.

**Irrigation Timing** - in the morning.

**Watering** - Gerbera prefers a moderate to dry soil condition.

### Temperature

Wk	Day & Night
1-3	59-68°F / 15-20°C
4-6	54-64°F / 12-18°C
7-12	day 46-64°F / 8-18°C night 46-54°F / 8-12°C

The drop in night temperature allows the plant to set several buds and finish with a full canopy of color.

### Fertilization

Use a basic NPK fertilizer, such as: 18-9-18 or 17-5-17 with added micro elements at 250 ppm. (Heavy feeders)

### Light

During dark wintertime, artificial lighting is recommended to maintain the product quality. Add approx. 5,500 lux (510 f.c.) to ensure optimal light levels.

### Crop Time

Around 6 to 7 weeks after transplanting the first flowers will appear.

Retail Ready - Timetable after transplanting depends on environmental conditions and pot size. In summer 8 to 12 weeks, in winter 12 to 14 weeks.

### Spacing

As soon as the leaves touch, the plants can be spaced. This is approximately 5 weeks after transplanting.

### General Remarks

Irrigation management is the key. Overwatering is a common cause of low quality and high crop losses. Garvinea® can be produced at relatively low temperatures and little to no intervention of pesticides. There is no need for plant growth regulators. For custom growing recommendations based on your specific environment please contact Florist Holland.

# GERBERA

## PATIO

Information courtesy of Florist Holland B.V.

### Media

Use a well draining, coarse substrate for successful rooting. pH between 5.5-5.8. EC around 1.0-1.5. Watch the pH; a high pH can cause chlorotic leaves.

### Pot Size

The young plants can be transplanted in 21-25cm / 8-10" pots. Transplant the plant in the center of the pot, with the top of the plug leveling the surface of substrate. Use pots with at least 6 drainage holes and a lip. After transplanting place the pots pot-tight for an optimal micro climate.

### Irrigation

Start with overhead irrigation (for strong root development). When the flower buds appear, ebb/flow or drip tubes are preferred.

**Irrigation Timing** - in the morning.

**Watering** - Gerbera prefers a moderate to dry soil condition.

### Temperature

Wk	Day & Night
1-3	64-68°F / 18-20°C
4-6	64-68°F / 18-20°C
7-12	day 64-66°F / 18-19°C night 59-61°F / 15-16°C

These plants require night temperatures below 70°F to continue flowering.

### Fertilization

Use a basic NPK fertilizer, such as: 18-9-18 or 17-5-17 with added micro elements at 250 ppm. (Heavy feeders)

### Light

During dark wintertime, artificial lighting is recommended to maintain the product quality. Add approx. 5,500 lux (510 f.c.) to ensure optimal light levels.

### Crop Time

Around 6 to 10 weeks after transplanting the first flowers will appear. Pinch the first buds to stimulate the plant to create more buds for multiple open flowers at point of sale.

Retail Ready - We advise to have at least 3 flowers open and buds in the plant at time of sale. Timetable after transplanting, depends on environmental conditions and pot size. In summer 8 to 12 weeks, in winter 12 to 14 weeks.

### Spacing

As soon as the leaves touch, the plants can be spaced. This is approximately 6 to 8 weeks after transplanting.

### General Remarks

Irrigation management is the key. Overwatering is a common cause of low quality and high crop losses. There is no need for plant growth regulators. Common challenges: leaf miner, white fly, thrips, botrytis, powdery mildew, broad mites/cyclamen mites, aphids, pythium and phytophthora. For custom growing recommendations based on your specific environment please contact Florist Holland B.V. email: [info@floristholland.com](mailto:info@floristholland.com)

# HELIANTHUS

## SUNFINITY,

## SUNMAZING &

## SUNBELIEVABLE

### General

After all risk of frost has passed, gradually acclimatize sunflower plants to outdoor conditions before planting them directly into beds, borders and cutting gardens of fertile, well drained soil. Or, alternatively, transplant into larger sized premium containers and space during production.

These sunflowers need a constant supply of water and a well-balanced fertilizer at 150 - 200 ppm nitrogen or an application of slow release fertilizer in planting beds. Prolonged periods of drought and wilt will cause yellowing of the lower leaves and poorer plant quality.

These plants need an abundance of light to get the fastest, highest quality blooms. They are facultative long-day plants, so crop time can take up to 2 - 4 weeks longer if plants were propagated under short days (<13 hours of light).

For best branching, allow plant to grow until 6 - 7 nodes develop on the main stem, then pinch off the main stem above the fourth or fifth pair of leaves. This can usually occur within about 2 weeks after transplant.



## Growth Regulators

Apply 2-3 ppm Bonzi® (paclobutrazol) drench 1-2 weeks after pinching; 2-3 ppm drench at first sign of visible buds; 2 ppm drench when flowers start cracking color to hold for finish. Higher rates may be necessary under high light and temperature conditions.

## Diseases & Pest Control

**Insects:** Aphid, spider mites, thrips, whitefly, caterpillars

**Diseases:** Botrytis, Pythium, Rhizoctonia, Powdery Mildew, Downy Mildew, Rust

Preventive fungicide applications for Powdery Mildew and Downy Mildew are recommended, especially in high humidity environments. Palladium®, Micora® and Segovis® fungicides have all been effective at suppressing pathogens.

Plants grown outside can attract chewing insects. Preventive insecticides, such as Mainspring® and Flagship® are effective. Avid® insecticide is also recommended for spider mite control when grown in warm, dry conditions. Avid also has the added benefit of caterpillar and whitefly control.

## Scheduling

Facultative long-day plant. Crop time is 2-4 weeks longer if starting with plugs propagated under short days versus long days. For earliest flowering, provide long days, high light levels, and warm temperature.

*From a large liner*

Size	Per Pot	Crop Time*
6-8" pots	1 liners	7-8 weeks
10-12" pots	1-2 liners	7-8 weeks
3+ gallons	2-3 liners	8-9 weeks

\*Estimated finish crop time is from transplant of a four week old 72-cell plug tray, propagated under long days, and finished at an average daily temperature (ADT) of 68°F (20°C). Crop time is one week faster at an ADT of 73°F (23°C) versus 68°F (20°C).

# HIBISCUS

## LUNA™

*Information courtesy of PanAmerican Seed*

## Growing on to Finishing

Container Size: Luna™ Hibiscus is best suited to quart, gallon or larger containers (15 cm or larger). For quart and gallon containers (15-19 cm), use one plant per pot. For large containers (19 cm) use 1 to 3 plants per pot.

## Media

Use a disease-free, peat-based, soilless medium with a pH of 6.0 to 6.5 and a medium initial nutrient charge (EC 0.75 mmhos/cm with a 1:2 extraction). "Nursery mixes" that contain soil can also be used, but may require an additional week of crop time and will have darker green foliage.

## Temperature

**Day:** 70 to 85°F (21 to 30°C).

**Night:** 65 to 70°F (18 to 21°C).

Warmer growing conditions result in shorter crop times. Do not allow average daily temperatures to drop below 68°F (20°C). Plants can become chlorotic and sensitive to pesticide spray (phytotoxicity) when grown at cooler temperatures.

## Light

Keep light levels as high as possible. Plants grow best under full sun. Space plants to allow light to reach basal area. This promotes better branching.

## Photoperiod

Luna™ Hibiscus requires a minimum of 12 hours of day-length to flower. Flowering is faster when day-length is 14 hours or longer. Supplemental lighting should be used under shorter days.

## Watering

Keep media moist to wet. Consistent soil moisture is important and plants should not be allowed to wilt. Growing plants too dry will result in flower bud abortion.

## Fertilizer

Feed plants weekly at 200 to 250 ppm N in a complete fertilizer.

## Pinching

Not recommended. Luna™ Hibiscus branches naturally without pinching. Best branching occurs when plants are spaced when the foliage touches the sides of the pot.

## Plant Growth Regulators

A tank mix of Cycocel at 750 to 1,000 ppm and B-Nine at 2,500 ppm has been tested in different climates in the U.S. and shown effective. Apply PGR's 2 weeks after transplant. Repeat application 2 weeks later if necessary.

## Optional Treatment

Bonzi drench at a very low rate of .25-0.5 ppm with multiple applications (2 to 3 times) is also effective. Be careful when using Bonzi drench as it is very easy to stunt plants, especially for northern growers. If you are growing in a nursery mix that includes soil, less PGR may be needed. One application 3 to 4 weeks after transplanting may be sufficient.

## Common Problems

**Insect:** Thrips, aphids, spider mites.

**Disease:** No serious problem.

## Crop Scheduling

**Transplant to flower:** 10 to 13 weeks.

The shorter crop times occur under warmer growing temperatures and longer daylength. If using a nursery mix, add one week to total crop time.

## In the Garden

Plant Luna™ Hibiscus in full sun locations (at least 6 hours of direct sunlight). Luna™ hibiscus can be planted in soil near ponds or water gardens. It will also tolerate dry conditions once it is established. When planted in a row, Luna™ Hibiscus makes a hedge 2 to 3 ft. (60 to 90 cm) tall and about 2 ft. (60 cm) wide. Luna™ Hibiscus can also be used in larger patio containers. Water and fertilize regularly with an all-purpose fertilizer for best results. If the foliage turns light green, it is an indication that it needs to be fertilized.

Luna™ Hibiscus are perennial to USDA Hardiness Zone 5. Plants die back all the way to the ground in the winter, then usually do not start growing until late May when the soil warms up. Overwintered plants will flower from mid-July on, with flowering decreasing in cooler fall weather.

# NEW GUINEA

## IMPATIENS

*Information courtesy of Danziger*

## Planting

**4" pot:** use 1 plant per pot. Ready for sales within 8-10 weeks.

**6" pot:** use 1-2 plants per pot. Ready in 10-12 weeks.

**10" hanging baskets or pots:** use 3-4 plants. Ready in 12-14 weeks.

## Pinching

Not necessary.

## Light Intensity

**Partial shade.** N.G.I responds to assimilation lighting by enhancing development and flowering. When natural light intensity is less than 4000-5000 fc/40,000-50,000 lux, it is essential to add artificial light of 3000-4000 fc/30,000-40,000 lux, for 14-18 hours a day. Lighting should be given 2-3 weeks after planting. Shading may be required if irradiance levels exceed 5000 fc/50,000 lux (late spring).





## Temperature

**Day:** 64-70°F (18-21°C)

**Night:** 60-70°F (16-21°C). Stem elongation is caused due to high temperatures and the opposite is achieved in low temperatures.

## Fertilization

Low levels for the first four weeks. Moderate levels for remaining crop cycle when roots reach the sides of the pot, fertilize up to a level of 150-200 ppm N, 80 ppm P, 150 ppm K. Ensure proper runoff to prevent salt accumulation because of sensitivity to high salt levels.

## Irrigation

Keep well watered. Avoid overwatering. Drip irrigation is recommended.

## Media

Use a well-drained disease-free mix. pH: 5.8-6.2, EC: 0.5-0.7

## Diseases & Pest Control

**Insects:** Spider Mites, Thrips

**Diseases:** Botrytis and Myrothecium.

Maintain moderate humidity levels and good air circulation as a preventative. Drench with a broad-spectrum fungicide at liner planting.

# ORNAMENTAL GRASSES

## TRANSPLANTING

Do not bury the plugs too deeply when transplanting.

## Media

Use a well-drained, disease-free, soilless medium with a pH of 5.5 to 6.2 and a medium initial nutrient charge.

## Light

Do not shade grasses. High light will improve crop quality (5,000 fc or greater). Maintain light levels as high as possible, if temperature can be controlled.

## Temperature

**Night:** 59 to 64°F (15 to 18°C)

**Day:** 62 to 74°F (17 to 23°C)

These Grasses can be grown under temperatures as low as 50°F (10°C), but crop time will increase significantly.

## Watering

Do not allow plants to wilt. Juncus grasses can be grown in very wet conditions.

## Fertilizer

Constant feed with 100 ppm N with a calcium-based fertilizer (13-2-13, 15-0-15 or 14-4-14), or feed weekly with 175-225 ppm N with a calcium-based fertilizer. Avoid using excessive ammonia nitrogen-form fertilizers and overfeeding, as these will result in less upright plants.

## Growth Regulators

Always follow the label. PGRs are not needed. However, for Juncus Javelin, a Bonzi (paclobutrazol) spray at 30 ppm (.96 fl oz/gal) 2 weeks after transplant is beneficial to reduce leaf bending by making the plants stronger and more compact.

## Pinching

Pinching is not needed.

## Spacing

Can be grown pot tight.

## Diseases/Recommended Fungicides

No known problems.

## Common Pests

Aphids, Whitefly, Thrips

## General Crop Scheduling

*From a 288 plug size*

Size	Per Pot	Crop Time
306 Pack	1 plug/cell	6-8 weeks
4" (10 cm) Pot	1 plug	7-9 weeks
6" pot	3 plugs	6-8 weeks

*From a 144 plug size*

Size	Per Pot	Crop Time
4" (10 cm) Pot	1 plug	6-8 weeks
6" pot	3 plugs	5-7 weeks

# OSTEOSPERMUM

Please note: In the spring of 2024, Jolly Farmer is offering "pre-cooled" Osteospermum liners. This helps with more even flowering, and brings the crop into bloom 2-3 weeks earlier.

We offer two Osteospermum series:

## Gelato Series:

This series fits well in a 4-6" pot program and tends to be more upright.

## Osticade Series:

This series tends to be more trailing and works well when 3 or more plants are used in a hanger program.

## Usage

**Grower:** Ideal early spring crop in multiple container sizes. Can be grown compatibly with other 'cool' crops like pansies, perennials, cyclamen and regal geraniums.

**Consumer:** Gardens, patio pots and mixed planters.

## Media

Use a well draining, high porosity soilless mix with a pH range of 5.5-6.0 and a moderate nutrient charge.

## Irrigation

To establish a quality plant with a strong root system, be careful not to initially over-saturate the media which slows root development. In addition, allow the media to dry down some in between irrigations to promote root growth. Once established, do not allow excessive drying which results in damage to the foliage and flowers. Watering early in the day is best, especially if watering overhead.

## Fertilization

7-10 days after transplanting, begin feeding with a complete balanced fertilizer (including some calcium and minors) at 200 – 250 ppm N. Although osteospermum are heavy feeders, make sure the ECe does not rise above 1.0 – 1.2 (1:2 dilution). Provide periodic clear water applications if excess soluble salts accumulate.

## Temperature/Humidity

Establish crop at 60-65°F/15-18°C average temperatures. Once established (roots to bottom and sides of container) plant can be finished alongside other "cool-loving" species such as pansies and Regal geraniums. As always, provide good air circulation at all times. Maintain relative humidity below 70% to prevent diseases like Botrytis grey mold.

## Light

Bright light is ideal for this crop. Retractable roof greenhouses and field production are suggested. Provide a minimum of 5,000-6,000 foot candles/ 53,800-64,600 lux. Use of supplemental light (14-16 hours, beginning at midnight) is beneficial for early spring flowering.

## Pinching

Not recommended for this crop. If you do pinch, add 2 weeks crop time for blooming.

## Spacing

Plants can be established pot-tight but should be spaced before foliage touches. Cultivars with a spreading growth habit can be grown closer together to force a more upright form. Spacing required for production:

**4" pots:** 8-9" centers

**6" pots/1 gal:** 14" centers

**8" pots:** 24" centers

## Plant Growth Regulators (PGRs)

Cold temperatures and high light are the best control methods for preventing stretch. Chemical growth regulators can be used to maintain crop growth. Applications should be made before flower buds are visible. Spray applications of B-Nine® at 2500 ppm have worked well during the first 3-4 weeks after pinch. Avoid higher rates that delay flowering or later applications that can cause changes in the flower presentation. Drench applications of Cycocel® at 3000 ppm can be used for growth control. Apply the solution volume based on growing container size and label directions. Complete application before visible bud. Spray applications of Cycocel® at 750 ppm may also be used to control height. Using sprays will require 2 or 3 applications starting after pinch and through visible bud stage.

## Crop Scheduling

Please note: scheduling osteospermum can be challenging and varies depending on exact temperatures and light levels in a given greenhouse, but here are some general crop times.

Size	Per Pot	Crop Time
4" pot	1 liner/pot	7-9 weeks
6" pot	2-3 liners/pot	7-9 weeks
8-10" pot	3 liners/pot	9-11 weeks

## Insects

Aphids, Caterpillars, Fungus gnats, Spider mites, Thrips, Whiteflies.

## Disease

Botrytis (gray mold), Root and stem rots, Viruses.

# PERICALLIS

*Information courtesy of Suntory.*

## Use

Outdoor patio, bedding plant and hanging baskets.

## Growth & Flowering

All Senetti® are upright and bushy in habit. Excellent branching with good vigor, no need for a support system. Numerous quantities of large flowers up to 2.5 inches in size, from early spring until summer. After flowering has finished cut back the plant height by 50% and re-flowering will occur in 3-4 weeks.

## Timing

10-14 wks to flowering at 40°F

8-11 wks to flowering at 50-55°F

## Plants Per Pot

5-6" = 1 ppp

10" = 3 ppp

## Media

Should be well drained with a pH of 5.6.

## Temperature

Production is ideal in a cool and airy 35-40° F. This will produce a tough toned finished plant with very little problems with pest or diseases. Ventilation should be used when temperatures reach 48 - 50° F and humidity should be kept low.

## Light

Senetti® is a day neutral plant. In periods of long days and high light, shade will be required to the level of 40 - 60% over the crop. This is likely to be at the time of crop maturity, or early fall season when the plants are newly potted. Light levels of 4500 foot candles are ideal.

## Watering

Water using a drip system or ebb and flood if available and ensure that the floor remains as dry as possible to keep the humidity low. If overhead watering is necessary, water early in the day and on bright days if possible. Thorough watering will get the required feed levels into the plant and keep the foliage as dry as possible. Senetti® has a large vigorous root system and will require volumes of water regularly.

## Fertilizer

Senetti® are heavy feeders and even at times of slow growth in low light conditions will require good levels of feed. It is recommended that a slow release material such as Osmocote 8-9 month formula be added to the base fertilizer at a rate of up to 4.5 lbs per yd<sup>3</sup>. Senetti® will take up a lot of the fertilizer during periods of slow growth and the option of Osmocote gives availability at times when applications of liquid feed are not frequent due to low water requirements.

Senetti® is an iron lover and will soon show symptoms of iron deficiency. It is recommended to add EDDHA trace elements to your liquid feed stock solution at a rate of 1 gm per liter and feed at a ratio of 1 in 100.

## Growth Regulators

Senetti® is very responsive to Plant Growth Regulators (alar or B-Nine). Treatments should start from February onwards on cold grow crops and timings will be dependant on the weather but are likely to be every 14 days at rates of 2000 ppm. Once the buds are clearly visible the crop will still grow at least 2-3 inches in height until the flowers fully open. It is essential to keep applying Daminozide until the flowers are fully open. With the rise in temperatures and light at this time of year the plants will continue to grow quickly.

Bonzi is also effective at low rates. Bonzi must be applied after final potting and it is essential that the roots of the plants have fully reached the side of the pot. This chemical must be applied by drench and not sprayed on the foliage, since spray applications are not effective.

Ethylene in the form of Ethrlyl (Florel) is also effective at growth control by encouraging side shoots and reducing leaf size when applied at rooted liner stage, before or after potting. However, if this is your first time to use the chemical, do so with caution, always trialling a small number of pots first. This chemical is very effective, but results can be variable (or too effective) depending on weather, relative humidity, light levels and several other environmental factors. Rates of application should be between 500 and 1000 ppm. Do not exceed this dosage.

As always, when applying any chemical, read and follow the manufacturers instructions.

## Pinching

If your rooted liners do not come as pinched and breaking plants, it is advisable to do a single pinch. The plants will naturally break and produce well shaped plants.

## Diseases

Botrytis and powdery mildew can be avoided by keeping the humidity as low as possible.

# PETUNIA VEGETATIVE

*Information courtesy of Danziger*

## Planting

**4" (10 cm) pot:** use 1 plant per pot. Ready for sales (from rooted cutting) within 6-8 weeks.

**6" (15 cm) pot:** use 1-2 plants per pot. Ready in 8-10 weeks.

**10" (25 cm) hanging baskets:** use 3-4 plants. Ready in 10-12 weeks.

## Pinching

Should be pinched once, 2 weeks after planting. Second pinch is recommended for baskets. May be cut instead of pinched.





## Following Transplant

During the first 2-3 weeks use water and fertilize moderately E.C. 1.51.8. Allow roots to reach the side of the container before increasing water and fertilization.

## Light Intensity

High light intensities, preferably full sunlight is essential for optimum finish (min. 6,000 fc / 60,000 lux). If shaded, the plant will appear stretched and less blooming. During winter supplement lighting is required.

## Temperature

**Day:** 64-75°F (18-24°C)

**Night:** 55-64°F (13-18°C)

Can grow in temperatures out of this range-nearly freezing point and up to 95°F (35°C).

## Fertilization

Vegetative Petunia requires heavy fertilization. Apply a constant feed program with a balanced fertilizer N:P:K=2:1:2, using 250-300 ppm N (micronutrients in average levels with iron slightly higher).

## Irrigation

Keep well watered. Sensitive to water surplus. Drip irrigation is recommended. Leach periodically to prevent salt accumulation.

## Medium

Use a well-drained peat/perlite disease-free potting mix. pH 5.56.0, EC 0.8-1.2.

## Growth Regulators

Optional. Not necessary under high light intensities. 1-3 sprays of ALAR (B-Nine) 2 gr/L according to required plant size. Bonzi is an effective regulator for 4" pot production.

## Diseases & Pest Control

**Insects:** White Flies, Leaf Miners and Aphids.

**Diseases:** Botrytis, Pythium, Crown Rot.

Plant liners at soil level-not too deep. Avoid excessive moisture on foliage. A standard preventive spray program should be applied to control pests and diseases.

**Viral diseases:** Viral diseases can be a serious problem; therefore, it is essential to start with virus-free material. All Danziger's Petunias liners are derived from culture and virus-free stock.

# PRIMULA

*Information courtesy of Syngenta*

## Flower Initiation

Time Frame when plants are receptive to flower initiation: 8-10 leaves present.

## Flowering Type

Facultative Long Day Plant-long days enhance flowering.

## Flowering Mechanism

Maturity and irradiance (12-15 moles) trigger flowering.

## Transplant Ready

6-8 weeks from a 288 plug tray.

## Bulking/Flower Initiation

Optimum conditions during the vegetative period, beginning at transplant, are needed for the roots to reach the edge of the container and to make the plant receptive to flower initiation.

## Media

**pH:** 5.5-5.8

**EC:** 1.0-1.5

## Light

Provide 3000-4000 foot candles (12-15 total moles or 30,000-40,000 lux) to hasten flower development. Long days may enhance growth. Avoid direct sunlight as leaf scorch may occur. NOTE: do not allow light level to exceed 3500 foot candles (35,000 lux) for an extended length of time.

## Temperature

**Day:** 50°-55°F (10°-12°C)

**Night:** 55°-60°F (12°-16°C) with a negative DIF of 5°-10°F (1°-3°C) from 5:00-9:00 a.m.

**Average Daily Temperature (ADT):** 54°F (12°C)

## Moisture

Alternate between moisture level moist (3) and medium (2). Allow soil to reach level (2) before re-saturating to level (3).

## Humidity

40-70%

## Dehumidify

Provide horizontal airflow to aid in drying down the media through evapotranspiration, allowing better penetration of oxygen to the roots.

## Fertilizers

Finish plants with an N:K ratio of 1:3. In cool weather, maintain low ammonium levels to avoid excessive vegetative growth and root-rot problems. Alternate with calcium-based and nitrate-based fertilizers (12-4-20 at 100-150 ppm N, 14-4-14 at 100-150 ppm N).

## Growth Regulators

If grown cool, PGR's should not be necessary. If needed, apply B-Nine (daminozide) spray at 2500-5000 ppm.

## Fertilizer

Potassium nitrate at 150 ppm N.

## Common Diseases

Ramularia and Botrytis. Provide adequate ventilation between plants and avoid over-saturated conditions. Apply fungicides as needed according to label rates and directions.

## Common Pests

Cutworms, Whitefly, Fungus Gnats, Shore Flies, Leafminers, Aphids and Thrips. Scout plants on a regular basis and apply appropriate pesticides according to label rates.

## Scheduling

Traditionally sown in July.

## Product Use

Beds and borders during cool season months. Primrose is a novelty blooming plant in winter months.

# RANUNCULUS

*Information courtesy of Syngenta*

## Flower Initiation

Time Frame when plants are receptive to flower initiation: 10-12 leaves are present.

## Flowering Type

Obligate Long Day Plant-Long days required for initiation.

## Flowering Mechanism

Days greater than 13.5 hours with high irradiance (15-20 moles) will induce and enhance flowering.

High quality Ranunculus is best obtained with cool night temperatures and short day conditions. Low temperatures and high light levels will result in large flowers with an intense color. Bloom stems will increase in height as the days get longer in early spring. Careful monitoring of watering, proper temperature management and good ventilation are the tools needed to produce a healthy plant.

## Bulking/Flower Initiation

Optimum conditions during the vegetative period, beginning at transplant, needed for the root to reach the edge of the container; AND to make the plant receptive to flower initiation.

## Media

Select a porous media that drains well. This is important during the cool season when temperatures and light levels are low, and media is slow to dry.

**pH:** 6.0-6.5

**EC:** 0.5-1.0

## Light

Ranunculus initiates the highest flower count and the best growth under the natural days for spring production. Day length extension in combination with high light will promote earlier flowering.

## Temperature

**After transplanting**, maintain 58°-62°F (14°-16°C) for 2 weeks or until the roots are well developed and foliage has reached the edges of pots.

**Once established:**

**Night:** 40°-50°F (5°-10°C)

**Day:** 50°-60°F (10°-15°C)

Temperatures above 68°F (20°C) may reduce vegetative growth, increase stem length and speed up flowering. High temperatures in combination with long days will stimulate corm formation or promote leaf yellowing.

## Moisture

Alternate between moisture levels wet (4) and medium (2). Allow media to approach level (2) before re-saturating to level (4). It is critical to water early in the day to allow foliage to dry quickly before nightfall. Rapid drying of the foliage will discourage disease outbreaks. Avoid overhead watering. Cool temperatures and wet foliage may promote Botrytis infections. Yellow leaves are indicative of drought water stress conditions.

## Humidity

40-70%. Provide horizontal airflow to aid in drying down the media through evapotranspiration, allowing better penetration of oxygen to the roots.

## Fertilizers

Ranunculus is a moderate to heavy feeder. Once plants are established, constant liquid feed at an EC rate of 1.5 with a calcium-based fertilizer (14-4-14). After flower buds are visible, apply an extra fertilization of potassium nitrate at an EC rate of 2.0-2.4 every 2 weeks. During cool weather production, ammonium based feeds (20-10-20) may encourage root rot problems and stretching to occur.

## Common Diseases

Pythium Root Rot, Botrytis, Tomato Spotted Wilt Virus

## Common Pests

Aphids, Whitefly, Leafminer, Thrips, Fungus Gnats

## Scheduling

Ranunculus is traditionally sown in August/September for January/February sales. Additional crops can be sown in September/October for March/April sales.

## Crop Time

Transplant to Finish

4 inch crop: 12-15 weeks

6 inch crop: 13-16 weeks

## Product Use

Pots, containers, mass plantings, gift item, garden cut flowers.

# ROSE SUNROSA®

*Information courtesy of Suntory Flowers*

## Potting

Transplant the plug into a 2-gallon pot in well-drained soil. Water at the base of the cutting and keep the foliage dry.

## Water

Maintain a good watering routine but do not leave the plants in standing water.

## Fertilizer

Fertilize when potted and maintain ongoing fertilizer program for roses.

## Light

Grow in full sun for best results.

## Temperature

Optimum temperatures are 55-65 °F at night and 70-80 °F days. Maintain good air circulation throughout the production area.

## Pruning

For best results, keep plants well trimmed, starting about 4-6 weeks after transplant.

## Finish Time

4" pot: 1 pinch = 8 wks growing time

6" pot: 2 pinches = 12 wks growing time

8" pot: 3 pinches = 18 wks growing time

## Disease & Pests

In trials, Sunrosa® varieties have been resistant to mildew, downy mildew and blackspot. Monitoring for possible pests and diseases is recommended.

## Growth Regulators

No growth regulator is needed. Sunrosa® is naturally compact.

## Recommended Applications

Would recommend applications of some type of root enhancers such as Bacillus, kelp extract, biochars, or rootshield plus—does not matter which one, they all seem to enhance root growth.

# SEED GERANIUMS

*See Geraniums - Seed for culture information.*

# SUNPATIENS®

*Information courtesy of Sakata*

## Habit

Upright

## Temperature

68°F (20°C) avg.

## Timing

8-10 weeks

## General

Sunpatiens® do not grow like regular impatiens. They provide the opportunity to shorten production time.

They perform best with an aggressive grow schedule, more light, warm temperatures, and early spacing.

## Application

**Quart** (Compact series)

**1 Gallon** (All series)

**Hanging Baskets** (All series)

Transplant as soon as they are ready. Liners will stretch if left in propagation trays which can result in poor basal branching of the finished product!

## Media

**Mix:** Sterile, well-aerated mixes are best.

**pH range:** Optimum pH range is between 5.8 and 6.2.

**Water-Holding Capacity:** Consider that the water holding capacity that is best for consumer performance may be greater than what is ideal for production.

## Water Quality/Irrigation

**EC:** below 1.0 mmhos is best. Avoid excess irrigation when plants are young. Maintain even soil moisture once plants are established.

**Irrigation:** Allow slight wilt between waterings: too much water will result in tall, leggy plants. Use tepid (not cold) water.





## Fertilization

Feed with balanced fertilizers at 65-100 ppm N (CLF). E.C. of 0.5 - 0.75. Avoid fertilizers high in ammoniacal nitrogen.

**Slow-Release:** Use of Osmocote® products, such as 18-6-12, or other appropriate slow-release fertilizers, may be beneficial in supplementing a CLF program and may provide improved performance for the consumer.

**Clear Water:** Provide periodic clear water applications if excess soluble salts are detected.

## Temperature and Humidity

Sunpatiens® grow well under a wide range of temperatures, but will grow fastest when temperatures are warm. Establish crop at an average temperature of 68-70°F (20-21°C) for 10-14 days. Once established, grow at at least 55°F. Avoid wide temperature fluctuations.

**Air Circulation:** Provide good air circulation at all times.

**Relative Humidity:** Maintain relative humidity below 70% to help prevent diseases like Botrytis gray mold.

## Light

**Establish and grow** SunPatiens with as much light as possible.

**Avoid** hanging plants above the crop which shade and drip on the SunPatiens.

**Provide light shade only** if light intensities result in greenhouse temperatures above 85°F/29°C.

**Establishing Phase:** 3,000 foot candles of light is ideal during the establishing phase.

**Once established,** increase light levels to 5,000+ foot candles (53,800+ lux) if possible.

**Low Light Conditions:** SunPatiens can be finished under low light conditions, but the number of flowers will be reduced and internode stretch will be increased.

**Outdoors:** Sunpatiens® can also be produced outdoors under full sun, but be careful to acclimate them to the higher light environment to avoid leaf scorch. One week at 5,000 fc is sufficient before moving them to full sun.

## Pinching

In general, pinching is not recommended for Sunpatiens®. Pinching may delay flowering by 1-2 weeks and often results in a low, horizontal branching pattern.

## Height Control & PGRs

Adequate spacing between plants, careful moisture management, and high light levels are the best way to control stretch on Sunpatiens®.

If needed, Sunpatiens® respond well to A-Rest and B-Nine.

Discontinue all plant growth regulators 2-3 weeks prior to finish. Late applications will distort and possibly abort flower buds.

## Spacing

Plants can be established pot-tight but should be spaced once foliage touches. Do not delay spacing, as Sunpatiens® tend to stretch rapidly in response to competition for light!

**6" or 1 gal. pots** should be provided a minimum of 10-12" centers (approximately 0.75 per sq. ft.).

**8" pots** should be spaced at 12-14" centers.

**10" pots** should be spaced at 14-16" centers.

## Insects

Aphids, Caterpillars, Fungus Gnats, Thrips, Japanese Beetles

## Diseases

Bacterial Leaf Spotting, Viruses, Botrytis, Root and Stem Rots

## Crop Scheduling From Transplant

Size	Per Pot	Early Spring	Spring
1 gal (2.6 qt)	1 liner	10 weeks	10 weeks
Hang. Basket	3 liners	10 weeks	8 weeks
Hang. Basket	1 liner	12 weeks	10 weeks
Quarts	1 liner	10 weeks	8 weeks

Crop time is reduced under warmer growing conditions.

# VINCA

*Information courtesy of Ron Adams, Syn-genta & Ball Horticultural*

## General

This plant loves heat and light, and low to medium fertilizer levels.

## Media

Use a well-drained, disease-free, soilless medium with a pH of 5.2 to 5.8 and a medium initial nutrient charge.

## Light

Keep light levels between 3,000 and 5,000 fc (30,000 to 50,000 lux). Shade when the light levels are above 5,000 fc (50,000 lux). Supplemental lighting under low light conditions will help flower development.

## Temperature

**Night:** 70 to 74°F (21 to 23°C) Do not allow night temperatures to go below 65°F.

**Day:** 80 to 85°F (27 to 29°C) or above

## Watering

Maintain moderate moisture. A little wilting usually does not cause problems, but avoid repeated, heavy wilting. Water in the morning, to allow the foliage to dry before nightfall. Prolonged periods where the soil or leaves are wet will encourage diseases. Clear water periodically to eliminate any salt build-up in the soil.

## Fertilizer

Constant feed with 100-150 ppm N with a balanced, complete fertilizer, or feed weekly 200-300 ppm N with a balanced, complete fertilizer. Maintain soil pH between 5.5 and 6.0. Do not overfeed.

## Growth Regulators

Use one. Always follow the product label.

**B-Nine:** 2,500-5,000 ppm spray (0.39 to 0.79 oz/gal)

**A-Rest:** 8-10 ppm spray (3.9 to 4.8 fl oz/gal)

Bonzi, Piccolo or Paczol will cause black, disease-like spots on the foliage.

## Common Pests

Thrips, Aphids, Fungus Gnats

## Diseases & Fungicides

Always follow the label.

**Pythium Root Rot:** Soil Drench with Subdue MAXX or Hurricane

**Rhizoctonia:** Heavy Spray or light soil drench with Hurricane, Spectro or Terraclor

**Thelaviopsis:** Soil drench with Terraguard, Medallion or Cleary's 3336

**Botrytis:** Foliar spray with Daconil, Decree, Dithane, Endorse or Chipco Daconil. Can burn flowers.

## Most Common Mistakes

Too cool growing temperature is the most commonly repeated mistake with vinca, followed by periods of prolonged wetness. Another mistake can be overfeeding young plants (high salts).

## Spacing

**4 inch pots** - Can be grown pot-tight

**6 inch pots** - 4 to 6 inches between pots

**8 inch pots** - 6 to 8 inches between pots

# General Crop Scheduling Guidelines

## From a 512 plug size

Size	Crop Time	Plugs/Pot
Pack	6-8 wks to finish	N/A
4" Pot	7-9 wks to finish	3-4 plugs
6" Pot	8-10 wks to finish	5-6 plugs
8" Pot	8-10 wks to finish	6-8 plugs

## From a 288 plug size

Size	Crop Time	Plugs/Pot
Pack	5-7 wks to finish	N/A
4" Pot	6-8 wks to finish	2-3 plugs
6" Pot	7-9 wks to finish	4-5 plugs
8" Pot	7-9 wks to finish	5-6 plugs

## From a 144 plug size

Size	Crop Time	Plugs/Pot
4" Pot	6-8 wks to finish	1 plug
6" Pot	7-9 wks to finish	3-4 plugs
8" Pot	7-9 wks to finish	4-6 plugs

# ZINNIA ELEGANS

Information courtesy of Syngenta

## Transplanting

Do not hold plugs before transplanting. Root-bound plugs do not root out or grow out well.

## Media

Use a well-drained, disease-free, soilless medium with a pH of 5.8 to 6.2 and a medium initial nutrient charge.

## Light

Do not shade Zinnias. High light will improve crop quality (6,000 fc or higher). Supplemental light in low light conditions will help improve flower development.

## Temperature

**Night:** 60 to 65°F (15 to 18°C)

**Day:** 70 to 85°F (21 to 29°C)

## Watering

After the plug has begun to root out, allow soil to dry down well between waterings. Water in the morning, to allow the foliage to dry before nightfall. Prolonged periods where the soil or leaves are wet will encourage diseases.

## Fertilizer

Constant feed with 50 to 100 ppm N with a calcium-based fertilizer (13-2-13 or 14-4-14), or feed weekly with 200 ppm N with a calcium-based fertilizer (13-2-13 or 14-4-14). Alternate waterings with clear water and 100 ppm N will help with growth control.

## Growth Regulators

**Use one.** Always follow the label.

**B-Nine** - 2,500 to 5,000 ppm spray (0.39 to 0.79 oz/gal)

**Bonzi/Piccolo/Paczol** - 15 to 45 ppm spray (0.32 to 0.96 fl oz/gal)

**B-Nine + Cycocel** - 2,500 ppm (0.39 oz/gal) + 1,000 ppm Cycocel (1.08 fl oz/gal) applied as a tank-mix spray

## Spacing

**4" pot:** 2 to 4 inches between pots.

**6" inch pot:** 4 to 6 inches between pots.

## Diseases/Recommended Fungicides

Always follow the label. Zinnias are prone to leaf spots and a number of diseases, and should be put on a regular fungicide program. Below are some recommendations.

Every 10 to 14 days, apply a fungicide rotating the following groups. Use one.

Heritage, Insignia, Compass-O, or Cygnus  
Phyton 27 (not recommended for product with flowers)

Daconil (not recommended for product with flowers)

Dithane, Fore, or Protect

Eagle or Banner MAXX

**Powdery Mildew** - Foliar Spray with Compass-O, Cygnus, Heritage or Phyton 27

**Botrytis Blight** - Foliar Spray with Dithane, Daconil, Decree, or Endorse

**Bacterial Leaf Spot** - Foliar Spray with Phyton 27 or Kocide

**Alternaria Leaf Spot** - Foliar Spray with Chipco, Heritage, Systhane or Terraguard

## Common Pests

Aphids, Whitefly, Thrips

## Scheduling Guidelines

### From a 512 plug size

Size	Crop Time	Plugs/Pot
Pack	6-8 wks	N/A
4" Pot	7-9 wks	2-3 plugs
6" Pot	7-9 wks	4-5 plugs
8" Pot	7-9 wks	4-5 plugs

### From a 288 plug size

Size	Crop Time	Plugs/Pot
Pack	5-7 wks	N/A
4" Pot	6-8 wks	1 plug
6" Pot	6-8 wks	3-4 plugs
8" Pot	6-8 wks	4-5 plugs

### From a 144 plug size

Size	Crop Time	Plugs/Pot
4" Pot	5-6 wks	1 plug
6" Pot	6-8 wks	2-3 plugs
8" Pot	6-8 wks	3-4 plugs

# ZINNIA (OTHER)

Information courtesy of Syngenta

## Transplanting

Do not hold plugs before transplanting. Root-bound plugs do not root out or grow out well.

## Media

Use a well-drained, disease-free, soilless medium with a pH of 5.8 to 6.2 and a medium initial nutrient charge.

## Light

Do not shade Zinnias. High light will improve crop quality (6,000 fc or higher). Supplemental light in low light conditions will help improve flower development.

## Temperature

**Night:** 60 to 65°F (15 to 18°C)

**Day:** 70 to 85°F (21 to 29°C)

Does not do well in cold, wet conditions.

## Watering

After the plug has begun to root out, allow soil to dry down well between waterings. Water in the morning, to allow the foliage to dry before nightfall. Prolonged periods where the soil or leaves are wet will encourage diseases and leaf spots.





## Fertilizer

Constant feed with 50 to 100 ppm N with a calcium-based fertilizer (13-2-13 or 14-4-14), or feed weekly with 200 ppm N with a calcium-based fertilizer (13-2-13 or 14-4-14). Alternate waterings with clear water and 100 ppm N will help with growth control.

## Regulators

**Use one.** Always follow the label.

**B-Nine** - 2,500 to 5,000 ppm spray (0.39 to 0.79 oz/gal)

**Bonzi/Piccolo/Paczol** - 10 to 30 ppm spray (0.32 to 0.96 fl oz/gal)

**B-Nine + Cycocel** - 2,500 ppm (0.39 oz/gal) + 1,000 ppm Cycocel (1.08 fl oz/gal) applied as a tank-mix spray

## Spacing

**4 inch pots:** 2 to 4 inches between pots.

**6 inch pots:** 4 to 6 inches between pots.

## Diseases & Fungicides

Always follow the label. Zinnias are prone to leaf spots and a number of diseases, and should be put on a regular fungicide program. Below are some recommendations.

Every 10 to 14 days, apply a fungicide rotating the following groups. Use one.

Heritage, Insignia, Compass-O, or Cygnus

Phyton 27 (not recommended for product with flowers)

Daconil (not recommended for product with flowers)

Dithane, Fore, or Protect

Eagle or Banner MAXX

**Powdery Mildew** - Foliar Spray with Compass-O, Cygnus, Heritage or Phyton 27

**Botrytis Blight** - Foliar Spray with Dithane, Daconil, Decree, or Endorse

**Bacterial Leaf Spot** - Foliar Spray with Phyton 27 or Kocide

## Common Pests

Aphids, Whitefly, Thrips, Mites

## Crop Scheduling Guidelines

*From a 512 plug size*

Size	Crop Time	Plugs/Pot
Pack	5-7 wks to finish	1 plug

*From a 288 plug size*

Size	Crop Time	Plugs/Pot
Pack	4-6 wks to finish	1 plug
4" Pot	5-7 wks to finish	1 plug

*From a 144 plug size*

Size	Crop Time	Plugs/Pot
4" Pot	4-6 wks to finish	1 plug
6" Pot	5-7 wks to finish	2-3 plugs
8" Pot	5-7 wks to finish	3-4 plugs

## OLYMPIA FARM

GUILFORD, CT

I want to say thank you to the Jolly Farmer team. Your level of service is excellent, and the quality of your plants is simply fantastic. And your packaging is great! In spite of the independent carrier's best effort to destroy one box, I lost only 1 plant! I will never make you guys rich, but I will only buy young plants from Jolly Farmer. Thanks again!

## ITALIAN GARDEN SEEDS

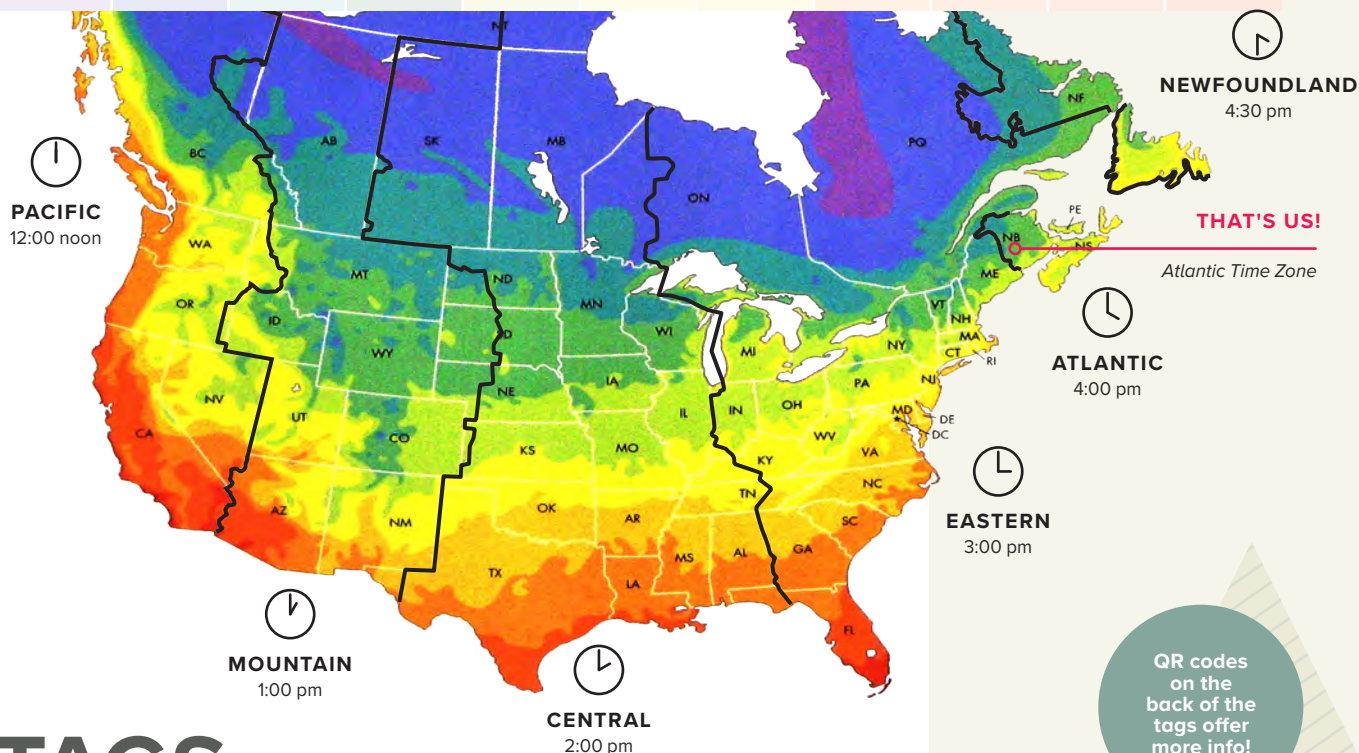
ALLISTON, ON

I am extremely happy with the quality and vigor of your plants, as well as the quick delivery and economical pricing. I can tell you that this is the beginning of a great relationship with Jolly Farmer! With the variety of products that you offer, we will be placing more orders in the future!



# HARDINESS AND TIME ZONES

1	2	3	4	5	6	7	8	9	10	11	Zones
below -50°	-50° to -40°	-40° to -30°	-30° to -20°	-20° to -10°	-10° to 0°	0° to 10°	10° to 20°	20° to -30°	30° to 40°	above 40°	°F
below -46°	-46° to -40°	-40° to -34°	-34° to -29°	-29° to -23°	-23° to -18°	-18° to -12°	-12° to -7°	-7° to -1°	-1° to 4°	above 4°	°C



## TAGS

Tags for all vegetative material are included with the purchase of the liners. You may request fewer tags if you are planting multiple plants per pot, or no tags at all if you provide us with a photo of the tag you will be using. Tagging is mandatory for all patented or trademarked products.

Tags for all seeded material (plugs – both annual and perennial) may be ordered from us.

### Here's how you order...

Specify how many tags you want to receive. You may state a quantity such as 100 tags or a ratio such as 1 tag per 6 plants.

**Multiple per variety = 50\* tags**

**Minimum tag order = 500 tags**

*For orders under 1000 tags, an extra \$5 freight charge applies.*

*\*Available in multiples of 25 for perennials and grasses only.*

Specify when you want to receive your tags. Same week as plant shipment...or all at once in advance.

### Tag orders for U.S. customers

Tag orders are submitted to MasterTag by Thursday night of the week prior to your shipment date. Tags will be shipped directly from MasterTag by common carrier. Delivery of tags would be by Wednesday of your shipping week. (Speak with your Jolly Farmer rep if you require an earlier delivery.)

### Tag orders for Canadian customers

Tag orders are submitted to MasterTag by Monday night, one week prior to your shipment date. Your tag order will be included in your plant shipment if at all possible. Bilingual tags for most vegetative (liners) items will be provided.

QR codes on the back of the tags offer more info!

**Calliope® Large Dark Red**



**Geranium interspecific**



000.000  
A0000.000

**Actual size  
4 inch tag**



Summer to autumn  
De l'été à l'automne  
Verano a





# BOX FILL

We do not publish “trays per box” since we custom package our plants based on their size as of shipping day. We have found that trays that fit snugly travel better, with less damage. Also, we wish to optimize the box fill as we prepare orders to help save shipping costs. As you place your order, your sales rep will help with how the boxes are filling up, to avoid partial box charges. You may combine plugs and liners in the same box.

*Refer to your pricing book for complete freight information.*

If you wish to estimate your number of boxes per shipment in advance, here’s a guideline. ►

## Plugs

512 tray.....	8-10 trays per box
½ 512 strip .....	16-20 trays per box
288 tray.....	6-8 trays per box
144 tray.....	4-8 trays per box
26 strip .....	12-18 strips per box

## Liners

144 tray.....	4-8 trays per box
51 strip .....	12 strips per box
26 strip .....	12-18 strips per box

*Minimum shipment: one-half of a box*

# MIX & MATCH

## to fill a box!

Since each box is custom packaged, you can mix and match plugs and liners of various sizes in the same box!



26 LINERS & PLUGS

51 LINERS

144 LINERS & PLUGS

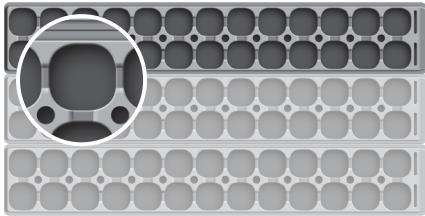
288 PLUGS

512 PLUGS

# SIZE GUIDE

The plants shown here are actual size.

# TRAY SIZES



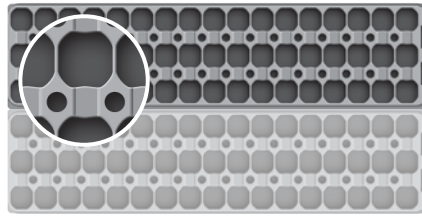
## 26 STRIP

**20" X 10"**

*"True" size tray. Three strips of 26 each. Available for some vegetative annuals and perennials that need more space in propagation. See order form for details.*

### **Used for both plugs & liners**

Available for liners, perennial plugs, grasses, and herbs. In addition, we offer some premium annual plugs in this size. One strip counts for 1/3 of a tray towards your volume discount.

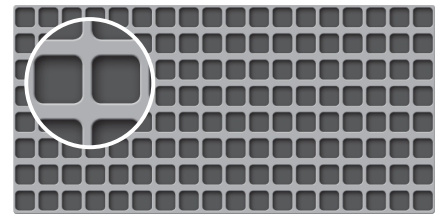


## 51 STRIP

**20" X 10"**

*"True" size tray. Two strips of 51 each. Guaranteed count indicated per variety in "count per tray" column on price list. Available for many vegetative annuals and perennials liners. See order form for details.*

Can be used in any size pot or basket with great success. They work well for mixed containers as well. One strip counts for 1/2 of a tray towards your volume discount.



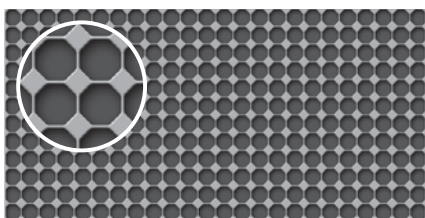
## 144 TRAY

**20" X 10"**

*"True" size tray. Guaranteed count indicated per variety in "count per tray" column on price list.*

### **Used for both plugs & liners**

Plugs are multi-sown (except certain items.) This large size is excellent for 4", 6" and larger pots or baskets. One 144 will fill out a 4" pot 7-10 days faster than a 288. Most liners are grown without a pinch and shipped as soon as rooted. Allow 1 week longer crop time compared to a 51 strip.

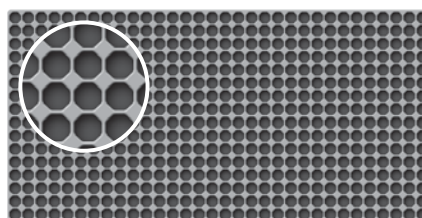


## 288 TRAY

**20.375" X 10.625"**

*"Common element" tray. Guaranteed count indicated per variety in "count per tray" column on price list.*

These are usually 1 week more mature than the 512. They finish approximately 7-10 days faster than the 512, and since they have a larger root ball, they can survive the stress of transplanting more easily than a 512.

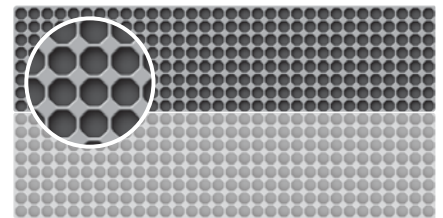


## 512 TRAY

**20.375" X 10.625"**

*"Common element" tray. Guaranteed count indicated per variety in "count per tray" column on price list.*

This is the smallest and most economical plug. It is great for cell pack production, but can also be used in 4" & 6" pots with multiple plants/pot.



## 1/2 512 TRAY

**20.375" X 5.313"**

We offer most of our popular annuals and vegetables in a 1/2 512 tray. Get the benefit of low input costs while increasing the number of varieties that you can offer. Or use the half tray to divide up planting in order to keep product fresher. Counts for 1/2 of a tray towards your volume discount.



# SHIPPING & DELIVERY



## NORTHSIDE FARM

CHARLTON, MA

Thank you for all your help this season! The greenhouses look great, thanks to the helpful staff at Jolly Farmer. I would especially like to thank all those amazing box packers in shipping. Not even one plant came dislodged or crushed! That is incredible. There are other companies who could use a Jolly Farmer tutorial on packing.

- Kathy

We ship nationwide in the United States and most areas of Canada. We welcome all orders, whether large or small. The price of the plugs and liners includes delivery for shipments of 4 or more full boxes, so you know your "all-in" price. Orders of less than 4 cases or any partial boxes incur some delivery fees. For large orders that we can deliver by our truck, discounts may apply, so make sure to check this out.

Your orders are custom-packaged, allowing you to mix and match plugs and liners of various heights and tray sizes in the same box. Our team has experience in packing to maintain the high quality of the plant material.

Our traffic department arranges each delivery, bearing in mind the quickest, most reliable carrier to meet your needs. Delivery options may include delivery by our own truck, FedEx®, UPS, or other national or regional carriers. Weather conditions at origin, destination, and in between are taken into account when packaging and shipping so that your plants arrive in the best possible condition.

For each delivery, we'll contact you via fax, email, text, or phone to let you know how many boxes to expect and when to expect them. We'll provide you with tracking information so you can keep up with the status of your shipment. Note that common carries may deliver as late as 7 pm in some areas.

For further details on delivery via our truck, additional delivery fees, and freight liabilities, please see the pricing booklet under Shipping Information.



Scan the QR code to sign up for SMS text delivery!



The plants are moved into a cool toning house before shipping.



When the ship date arrives, the trays are collected and placed on racks.



Each tray is custom packed into a cardboard sleeve to protect it during shipping.



Orders are scanned twice to ensure accuracy.



Finally the boxes are palletized, loaded onto trucks and shipped to our customers.



# DISCOUNTS

## Early Order Discount

**save 10%** All of your winter/spring orders that we receive by the early order deadlines will be billed at 10% off the regular price. (Early Order prices are listed on the second line for each item.) See chart for deadlines.

## Accumulated Annual Volume Discount

The volume discount level is calculated based on the number of trays you order for the year. We add the total number of trays of young plants you have received and have on order between November 1, 2023 and October 31, 2024. That total determines your discount level as of time of shipment. All plugs and liners qualify. You may divide your order into as many shipments as you wish.

For example, you order 40 trays of plugs, 30 trays of liners, and 20 trays of mums. Since your order is 90 trays, your pricing will be at volume level 3.

51 count strips count as 1/2 tray and 26 count strips count as 1/3 tray for volume discounts.

Increasing your order during the season increases your volume discount for future shipments, but is not retroactive to past invoices.

## Prepayment Discount

**save 3%** Pay for your orders by December 29, 2023 and save 3%! If you prepay for only a portion of your orders, you can take 3% off the prepaid portion. We do not offer discounts for prepayments via credit card.

## Payment Discounts

**save 2% ACH PROGRAM** Enroll in our seasonal ACH payment program and save 2%, while avoiding costly delays if payments don't arrive in time! Fill out the enclosed form today! Note: ACH discounts are not in addition to prepayment discounts.

## save 2% EARLY PAYMENT FOR CHARGE ACCOUNTS

If you have been approved to have an account with Jolly Farmer, but choose to pay within 10 days of invoice date, you are eligible for a 2% discount. This discount is not in addition to prepayment discounts, and it does not apply to credit card payments.

## Freight Discounts

See Shipping Information in pricing book for freight discount options.

## Early Order Discount Deadlines

### WINTER-SPRING LINERS

October 2, 2023

### WINTER-SPRING PLUGS

November 1, 2023

### MUM & ASTER LINERS

January 15, 2024

### SUMMER/FALL PLUGS & LINERS

June 1, 2024

## Preview from price book

To find your price for an item, first check the EOD (Early Order Discount) date ❶. If you are ordering before this date, use the second line of pricing ❷. Then find your Accumulated Annual Volume level ❸. Use the corresponding column of pricing ❹.

❶ **Early Order Deadlines** Liners: October 2, 2023 | Plugs: November 1, 2023 | Discounted prices on second line for each item. | *Refer to order form for sizes offered.*

❷ **Accumulated Annual Volume** Level 1: 1-34 trays | Level 2: 35-89 trays | Level 3: 90-299 trays | Level 4: 300-499 trays | Level 5: 500-999 trays

❸	Level					1	2	3	4	5	Level					1	2	3	4	5	Level					1	2	3	4	5										
<b>Annuals</b>											<b>Amaranthus</b>										<b>1/2 512 250</b>										<b>Begonia boliviensi</b>									
<b>Ageratum</b>											144 140 .688 .643 .610 .588 .571										.197 .182 .170 .163 .158										Santa Cruz									
Aloha Blue											.619 .579 .549 .529 .514										.177 .164 .153 .147 .142										144 140 1.121 1.056 1.002 .963 .933									
512 490 .170 .158 .149 .143 .139											26 25 1.344 1.258 1.192 1.149 1.113										288 280 .318 .290 .270 .256 .244										1.009 .950 .902 .867 .840									
1/2 512 245 .192 .179 .170 .164 .160											1.210 1.132 1.073 1.034 1.002										.286 .261 .243 .230 .220										26 25 2.048 1.918 1.807 1.727 1.662									
.173 .161 .153 .148 .144											<b>Angelonia</b>										144 140 .727 .676 .637 .611 .591										1.843 1.726 1.626 1.554 1.496									
26 25 .207 .172 .155 .144 .136											288 280 .524 .497 .476 .461 .449										.654 .608 .573 .550 .532										<b>Begonia boliviensi</b>									
											.472 .447 .425 .409 .394										<b>Begonia</b>										Funky									
																					Sopaterio																			

Not actual pricing.





# TERMS & CONDITIONS

## General Terms

By purchasing from Jolly Farmer, you are agreeing to our Terms & Conditions of Sale.

## Payment Options

Payment to be confirmed Thursday before the week of shipping.

### ACH PAYMENT OPTION

Enroll in our seasonal ACH payment program and save 2%, while avoiding costly delays if payments don't arrive in time! Fill out the enclosed form today!

Note: ACH discounts are not in addition to prepayment discounts.

### CREDIT CARD

We accept: Visa, Mastercard, or American Express, plus Discover in the US only.

Declined credit card orders are subject to postponement or cancellation.

### E-TRANSFER (CANADA ONLY)

Send to:  
payments\_jfp@jollyfarmer.com

Please include Customer Code and/or Accounting Number in comments.

### MAIL A CHECK

Check must be received by us no later than Thursday prior to week of shipping or your order will be postponed or cancelled.

Please allow at least 10 days for mail time.

### FAX, EMAIL OR TEXT A CHECK

This will authorize a one time debit from your account.

### 2% 10 NET 60

Valid credit application must be on file. 2% discount may be taken if payment is postmarked within 10 days of the invoice date. Discount not available for payments made with credit cards or debit cards. For overdue accounts, a 1½% monthly service charge will be applied. Your account may be reviewed, future orders may be put on hold, or credit status and volume discounts may be forfeited. Credit limit will apply to all charge accounts.

## Penalty Terms

### PENALTY FOR BOUNCED CHECK

We reserve the right to charge a fee for bounced checks and place the account on a "Cash Only" basis. All accounts turned over to an attorney will pay reasonable fees plus cost of collection.

### PENALTY FOR REFUSED SHIPMENT

All future shipments may be cancelled automatically.

## Custom Sowing

We buy the seed so that it's here on time and is good quality. Subject to grower approval and seed availability. Allow at least 4 weeks lead time before sow date. Call for quotes. Minimum of 5 trays.

## Substitutions and Backorders

Jolly Farmer will provide notice of substitutions, cancellations or backorders. Backorders will be shipped at Jolly Farmer's discretion if less than 1/2 a box.

## Customer Cancellations and Changes

Once product is in the production pipeline, cancellations or changes by customer are subject to our consent. Customer may be required to pay for canceled product.

## Order Errors

We are happy to take your orders via our toll free phone lines. However, we will not accept responsibility for errors on orders that are not submitted in writing. Please always check your acknowledgments to be sure everything is correct!

## Faxed Orders

For faxed in orders, please phone the next day to confirm receipt.

## Product Claims

### DAMAGE OR QUALITY

Our sales & service department must be notified within 48 hours of receipt

with any issues with your order. Please take time and date stamped photos immediately upon unpacking, including any physical damage to the boxes, and submit these photos with your initial damage registration. Claim must be finalized within 10 days of receipt by providing us with the number of viable plants. Additional photos may be required and must be supplied upon request to validate your claim.

### SHORT COUNTS

Please compare your invoice with your actual planting numbers. Short count claims must be finalized within 10 days of receipt.

### TAGS

Missing or incorrect tag orders must be reported within 15 days of receipt. Thereafter, replacements will be billed at our current price.

## Limit of Liability

We warrant, to the extent of the purchase price, that plants are as described on the container or invoice, within recognized tolerances. We give no other or further warranty, express or implied, and all other or further warranties, including any warranties of merchantability or fitness for a particular purpose, are excluded.

We shall not be responsible for loss of any product, profit or any other indirect special or consequential damages. Any mislabelled product is subject to our limit of liability, i.e. to the extent of purchase price.

Jolly Farmer Products shall not be obligated to supply the customer with product to the extent that any event or condition reasonably beyond the control of the Company affects, prevents, restricts or delays the production, transportation, delivery or sale of product.

We are not responsible for printing errors or typographical errors. In the event of an erroneously published price, the correct price will be charged.

## Prices

All prices are subject to change if unusual circumstances occur. We reserve the right to add surcharges should costs escalate.

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Amaranthus - plugs	53	Cotyledon - succulents	175	Ground Cherry - vegetables	93	Nemesia - liners	141	Scaevola - liners	153
Angelonia - liners	113	Crassula - succulents	176	Gypsophila - liners	136	Nepeta - perennial	194	Scindapsus - foliage	170
Angelonia - plugs	53	Cuphea - liners	125	Gypsophila - plugs	64	New Guinea Impatiens - liners	142	Sedum creeping - succulents	179
Anigozanthos - liners	113	Curry - herbs	102	Haworthia - succulents	178	Onion - vegetables	93	Sedum upright - perennial	197
Aptenia - succulents	175	Cymbopogon - herbs	102	Hedera - foliage	165	Oregano - herbs	104	Seed Geranium - plugs	82
Aquilegia - perennial	184	Dahlia - liners	126	Helianthus - liners	136	Origanum - liners	143	Sempervivum - succulents	180
Argyranthemum - liners	113	Dahlia - plugs	61	Helianthus - plugs	64	Ornamental Grasses	173	Senecio - foliage	170
Armeria - perennial	185	Delosperma - succulents	176	Helichrysum - foliage	166	Ornamental Millet - plugs	72	Senecio - succulents	181
Artemisia - foliage	162	Delphinium - perennial	187	Heliopsis - perennial	191	Ornamental Peppers - plugs	72	Setcreasea - foliage	171
Asclepias - perennial	185	Dianthus - perennial	187	Heliotrope - liners	136	Orostachys - succulents	179	Simply Salad - vegetables	96
Asparagus Fern - plugs	53	Dianthus - plugs	61	Herb Combos	44	Osteospermum - liners	143	Snapdragon - plugs	82
Aster - plugs	53	Diascia - liners	128	Heuchera - perennial	191	Osteospermum - plugs	72	Sprengeri, Asparagus - plugs	53
Bacopa - liners	113	Dichondra - plugs	62	Hibiscus - perennial	192	Oxalis - foliage	169	Stachys - perennial	198
Basil - herbs	101	Didelta - foliage	164	Hibiscus - plugs	64	Pachystachys - liners	144	Stevia - herbs	106
Begonia - liners	114	Dieffenbachia - foliage	164	Homalocladium - foliage	166	Pansies - plugs	73	Stock - plugs	83
Begonia - plugs	53	Digitalis - perennial	187	Hoya kerrii - succulents	178	Papaver - perennial	194	Strawberries - vegetables	96
Bellis - perennial	185	Dill - herbs	102	Hydrangea - perennial	192	Parsley - herbs	105	Streptocarpus - liners	154
Bidens - liners	117	Dipladenia/Mandevilla - liners	140	Hypoestes - plugs	65	Pentas - plugs	75	Strobilanthes - foliage	171
Brachycombe - liners	117	Double Impatiens - liners	128	Iberis - perennial	192	Peperomia - foliage	169	Sunpatiens - liners	154
Bracteantha - liners	117	Dracaena - plugs	62	Ipomea - foliage	166	Peperomia - succulents	179	Synponium - foliage	171
Broccoli - vegetables	92	Duranta - foliage	164	Iresine - foliage	167	Peppers - vegetables	94	Tarragon - herbs	107
Brunnera - perennial	185	Dusty Miller - plugs	62	Isotoma - liners	136	Pericallis - liners	144	Thunbergia - liners	156
Brussels Sprouts - vegetables	92	Easy Liners	45	Jamesbrittenia - liners	138	Perilla - foliage	169	Thunbergia - plugs	83
Buddleia - perennial	185	Echeveria - succulents	177	Kalanchoe - succulents	178	Perovskia - perennial	194	Thyme - herbs	107
Cabbage - vegetables	92	Echinacea - perennial	188	Kale - vegetables	93	Petchoa - liners	144	Thymus - perennial	198
Calathea - foliage	162	Eggplant - vegetables	92	Kniphofia - perennial	192	Petchoa - plugs	76	Tomato - vegetables	97
Calendula - liners	118	Ephiphylllum - succulents	177	Lamiasrum - foliage	167	Petunia - liners	145	Torenia - liners	156
Calendula - plugs	58	Eucalyptus - plugs	63	Lamium - foliage	167	Petunia - plugs	76	Torenia - plugs	83
Calibrachoa - liners	118	Eupatorium - foliage	164	Lampranthus - succulents	179	Petunia Wave Combos	47	Tradescantia - foliage	171
Campanula - perennial	185	Euphorbia - liners	128	Lantana - liners	138	Philodendron - foliage	169	Verbena - herbs	107
Canna - plugs	58	Euphorbia - perennial	189	Lavender - herbs	103	Phlox - perennial	194	Verbena - liners	156
Carnation - perennial	186	Evolvulus - liners	129	Lettuce - vegetables	93	Phlox - plugs	80	Verbena - perennial	198
Cauliflower - vegetables	92	Fennel - herbs	102	Leucanthemum - perennial	193	Pilea - foliage	169	Verbena - plugs	84
Celery - vegetables	92	Ferns	172	Liatris - perennial	193	Platycodon - perennial	196	Veronica - perennial	198
Celosia - liners	123	Ficus - foliage	165	Lisianthus - plugs	66	Plectranthus - foliage	170	Vinca - foliage	171
Celosia - plugs	58	Flowering Cabbage - plugs	63	Lithops - succulents	179	Plumbago - liners	152	Vinca - perennial	198
Centaurea - foliage	163	Flowering Kale - plugs	63	Lobelia - liners	139	Polemonium - perennial	196	Vinca - plugs	84
Cerastium - perennial	186	Fuchsia - liners	129	Lobelia - perennial	193	Portulaca - liners	152	Viola - plugs	86
Chamomile - herbs	101	Gaillardia - perennial	190	Lobelia - plugs	68	Portulaca - plugs	81	Wandering Jew, Tradescantia	171
				Lobularia - liners	140	Portulaca - succulents	179	Zinnia - plugs	88
				Lophospermum - liners	140	Pothos - foliage	170		
				Lupinus - perennial	193	Primula - plugs	81		
						Ptilotus - plugs	81		



# 20+ YEARS CUSTOMER *spotlight*

Over the years, we have had the pleasure of serving some truly remarkable customers, and we'd like to honor a few of them. Throughout these pages we've highlighted a few of the hundreds of customers who deserve to be included. Their unwavering support and loyalty have been integral to our success, and we are truly grateful. Thank you for trusting us with your business and for sticking with us through thick and thin.

While we would love to showcase more of our loyal customers, please know that we value every single one of you, and we are excited to continue serving you in the upcoming season.



EACH DOT ON THIS MAP REPRESENTS ONE OF  
THE 500+ CUSTOMERS WHO HAVE SUPPORTED  
OUR BUSINESS FOR 20 YEARS OR LONGER!



**BIZZELL'S  
NURSERY**  
North Carolina



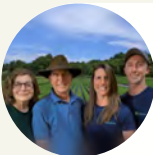
**DJ'S  
GREENHOUSE**  
Pennsylvania



**BRANTLEY'S  
HOME NURSERY**  
North Carolina



**GARDEN  
BARN**  
Tennessee



**BRIERWOOD  
NURSERIES**  
Connecticut



**GREENHAVEN  
GARDENS**  
Vermont



**CORBIN CREEK  
GREENHOUSE**  
Tennessee



**GUNTER'S  
GREENHOUSE**  
North Carolina



**DEWALT  
GREENHOUSE**  
Pennsylvania



**HOLIDAY  
FARMS**  
Nebraska



**HOLIDAY  
TREE FARM**  
Massachusetts



**TIDEWATER  
TROPICALS**  
Virginia



**KEN'S  
PRODUCE**  
North Carolina



**TRIPLE B  
GREENHOUSE**  
Tennessee



**KOLZES CORNER  
GARDENS**  
Illinois



**TROYER'S  
GREENHOUSE**  
New York



**LOUISIANA  
NURSERY**  
Louisiana



**VILLAGE  
GREENHOUSE**  
Massachusetts



**MARLENE'S  
GARDEN CENTER**  
Kentucky



**VITE  
GREENHOUSES**  
Michigan



**NUNAN FLORIST  
& GREENHOUSE**  
Massachusetts



**WALTER  
GREENHOUSE**  
Virginia



**RED WAGON  
PLANTS**  
Vermont



**SULPHUR SPRINGS  
HIGH SCHOOL**  
Texas



**SUNNYLAND  
GROWERS**  
Alabama



## TIDEWATER TROPICALS

GLOUCESTER, VA

After three decades of being our primary young plant supplier, we'd like to thank you for being there for us with your selection, price, quality, and great customer service! Hope you have many more years of success!

- Guy Hayes

THANK YOU!





JOLLY FARMER

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