2 0 2 4 - 2 0 2 5

young plants



JOLLY FARMER

Valued customer,

I love helping customers make choices that are good for their business, and it's so rewarding to hear your success stories. But there is so much that goes on behind the scenes which enables us to offer successful solutions.

One of my favorite introductions for 2025, Echibeckia Summerina®, is a great example. My colleagues and I travel thousands of miles each year to search out the best and most interesting products for you. I was first approached about these special Echibeckia at the European Flower Trials in 2023. Wow, are they impressive! Since then, our purchaser verified licensing and supply logistics, and our grower team conducted propagation trials to be sure we could be reliable. Now, more than a year later, we're able to offer you these outstanding genetics for the coming season!

That's just the beginning....



Our friendly sales and customer service team will assist you with placing orders, filling boxes, and suggestions



Jerry Gorchels, our veteran horticulturalist, is available to answer any cultural questions you may have



Production teams carefully handle the tissue culture plants, seeds, and unrooted cuttings sourced from all over the world, grading and prepping the liners to ensure optimum quality



Our growers must be some of the best on the planet! I'm amazed at the consistent product they are able to produce while handling more than 13,000 unique SKUs!



Once your order is ready, the experts in Dispatch track weather forecasts and all things logistical in order to get your order to you in the quickest and most cost effective way.



Finally, your box is conscientiously hand packed by our Shipping Team and sent off with one of our friendly drivers to your door or a courier drop point.

Our goal is to make your Jolly Farmer experience as pleasant and easy as possible, bringing together thousands of details into one seamless event.

To each of our loyal customers, "Thank you!" We couldn't do this without you. And if you aren't yet a Jolly Farmer customer, give us a call and experience for yourself the benefits of doing business together.

We look forward to serving you in the coming season!

All the best,

Peter Darrow Sales Manager

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3 NEW & EXCITING



103 HERBS



176 SUCCULENTS



240 SHIPPING



4 CUT **FLOWERS**



110



182 PERENNIALS



241 DISCOUNTS



COMBOS



164 FOLIAGE



200 CULTURE



242



57 ANNUALS



173



237 ZONES/TAGS





VEGETABLES



174 GRASSES



238 SIZE GUIDE

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 AMERICAN TAKII **BALL HORT** BEEKENKAMP BENARY CHRISTIANSON, ALF DANZIGER DARWIN PERENNIALS **FLORANOVA** FLORENSIS

FLORIST HOLLAND FLOURIZON FOREMOST CO. FUTURE PLANTS GENESIS SEED GEO SEED GOLDSMITH SEEDS GREEN FUSE GREEN TRADE HORTICULTURE GREENEX HARRIS SEED

HEM GENETICS HILVERDA FLORIST HISHTIL IVY GARTH JALDETY **JELITTO** IOHNNY'S KIEFT SEEDS KIENTZLER KIWI FLORA KOPPE NASH

PAN AMERICAN SEED PARK SEED PLANT HAVEN PLANT SOURCE PRUDAC QUALITY CUTTINGS RANCHO TISSUE SAKATA SEMINIS SUCCULENTS SUNTORY

PAC - ELSNER

SYNGENTA TERRA NOVA THOMPSON & MORGAN VEGETALIS VESEY'S VITRO PLUS VIVERO WALTER'S GARDENS WESTHOFF WHETMAN PINKS

sales & service



Amanda

800.695.8300 EXT 151



Andrea [] 800.695.8300 EXT 152





Brenda Lee

800.695.8300 EXT 154



Brenda Weeks

[] 800.695.8300 EXT 155



Cindy 800.695.8300 EXT 157



Debbie800.695.8300 EXT 158



Francine (francophone)

800.695.8300 EXT 159



Jenny

[] 800.695.8300 EXT 163





Mandy [] 800.695.8300 EXT 162



Maxime
300.695.8300 EXT 164



Natasha

[] 800.695.8300 EXT 165



Paula

Boo.695.8300 EXT 166





Samantha

[] 800.695.8300 EXT 167



Sanna [] 800.695.8300 EXT 168



Shelley800.695.8300 EXT 169



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nelv & exciting

With the help of our breeding partners around the world, we're thrilled to bring you the most outstanding new genetics for 2025. These eye-catching selections are sure to impress!



PAGE
PETUNIA SHAKE BLUEBERRY



PAGE COLEUS TALAVERA

126 MOONDUST



PAGE ECHIBECKIA SUMMERINA
BLAZING FIRE



PAGE HELIANTHUS SOL SEEKER

GOLDEN NECTAR



PAGE PETUNIA VEGETATIVE DEKKO MAXX PINK



192 HOSTA BLUE IVORY

exclusive variety

142

Jolly® Delft Blue

We're excited to offer this exclusive variety in 2025! This beautiful selection is only available at Jolly Farmer®, so don't forget to book yours early!



cut flox er

With the increasing demand for locally grown cuts, Jolly Farmer is pleased to offer a modest selection of plugs and liners that may be suitable for commercial cut flower production. Offered in a range of sizes to match your needs, our plants are programmed to perform best when started in a protected, heated greenhouse environment. Direct field planting is not recommended.

0

Look for this cut flower icon throughout the catalog.



ASTER BALL FLORIST MIX



DIANTHUS JOLT CHERRY



DIANTHUS JOLT PINK MAGIC



DIANTHUS JOLT PURPLE



EUCALYPTUS SILVER DOLLAR



LISIANTHUS ABC 2 BLUE



HELIANTHUS SUNFINITY YELLOW WITH DARK CENTER



LISIANTHUS ABC 2 BLUE RIM



LISIANTHUS ABC 2 LAVENDER



LISIANTHUS ABC 2 MISTY BLUE



LISIANTHUS ABC 2 MISTY PINK



LISIANTHUS ABC 2 PURPLE



LISIANTHUS ABC 2 ROSE



LISIANTHUS ABC 2 YELLOW



LISIANTHUS ABC 3 ROSE



LISIANTHUS ADVANTAGE CHERRY SORBET



LISIANTHUS FLARE DEEP BLUE



LISIANTHUS FLARE DEEP ROSE



LISIANTHUS FLARE YELLOW



LISIANTHUS ROSANNE 1 BLACK PEARL



LISIANTHUS ROSANNE 2 CLEAR GREEN



LISIANTHUS ROSANNE 2 TERRACOTTA



LISIANTHUS VOYAGE 2 BLUE



LISIANTHUS VOYAGE 2 CHAMPAGNE



LISIANTHUS VOYAGE 2 DEEP ROSE



LISIANTHUS VOYAGE 2 GREEN



LISIANTHUS VOYAGE 2 LAVENDER



LISIANTHUS VOYAGE 2 LIGHT APRICOT



LISIANTHUS VOYAGE 2 PINK



LISIANTHUS VOYAGE 2 PURE WHITE



LISIANTHUS VOYAGE 2 YELLOW



MARIGOLD AFRICAN BALI GOLD



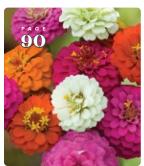
MARIGOLD AFRICAN BALI ORANGE



ORNAMENTAL MILLET PURPLE MAJESTY



SNAPDRAGON ROCKET MIX



ZINNIA CUT & COME AGAIN



ZINNIA QUEENY LIME ORANGE



LAVENDER INTERSPEC PHENOMENAL



ANIGOZANTHOS BUSH PEARL



ANIGOZANTHOS BUSH RANGER



ANIGOZANTHOS BUSH TENACITY



DAHLIA CAFÉ AU LAIT



DAHLIA KARMA BLUE LAGOON



DAHLIA KARMA CAROLINE



DAHLIA KARMA NAOMI MAHOGANY RED



DAHLIA KARMA SANGRIA PINK YELLOW BICOLOR



HELIANTHUS SUNBELIEVABLE BROWN EYED GIRL



GRASS LAGURUS OVATUS HARE'S TAIL



ACHILLEA SUMMER BERRIES



ALCEA PEACHES N DREAMS



CAMPANULA CHAMPION II DEEP BLUE



CAMPANULA CHAMPION II PINK



CARNATION GRENADIN MIX



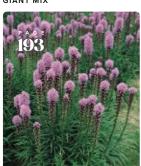
DELPHINIUM GUARDIAN BLUE



DELPHINIUM PACIFIC GIANT BLACK KNIGHT



DELPHINIUM PACIFIC GIANT MIX



LIATRIS FLORISTAN VIOLET



RUDBECKIA AUTUMN COLORS



RUDBECKIA CHERRY BRANDY



RUDBECKIA INDIAN SUMMER





combos

COMBOKITS™ / EASYLINERS™ / WAVE® COMBOS

This this







PAGE

COMBOKIT

Autumn Ember

A fiery blend of rich oranges and reds. Perfect for adding a touch of autumnal charm to any garden or patio. 16

COMBOKIT **

Birds of Paradise

This vivid arrangement with bold pops of tangerine and indigo, create a captivating display reminiscent of tropical birds.

PAGE

COMBOKIT TM

Raspberry Wine

Elegant wine reds, crisp white, and soft raspberry tones blend beautifully, bringing a refined touch to any space.

combokits^m

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.)





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



top selling combos



GOLDEN BLUSH / PAGE 28



DANCING 'TIL DAWN / PAGE 24



SALUTE / PAGE 39



SWEET VELOUR / PAGE 43



SPRING HAS SPRUNG / PAGE 40



MIDSUMMER NIGHT'S DREAM / PAGE 32





24 Karat Gold 🎉

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

A 1tray 50 ct Calibrachoa Noa® Yellow

B 1 tray 50 ct Lobelia Glow™ Electric Blue

C 1 tray 50 ct Bacopa Scopia® Gulliver White





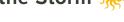




pot idea Light Mocha



After the Storm



1 1 tray 25 ct Coleus Great Falls® Niagara

B 1 tray 50 ct Petunia Vegetative Crazytunia® Cosmic Purple

C 1 tray 50 ct Calibrachoa Aloha Kona Hula Strawberry









polidea Light Mocha



Alexander the Grape 🎇





50 ct Calibrachoa Eyeconic™ Purple 1 tray 1 tray 50 ct Bacopa Scopia® Gulliver Blue 50 ct Lobularia Stream™ Compact Violet 1 tray









Allspice 🎇



50 ct Petunia Vegetative Cascadias™ Indian 1 tray

50 ct Petunia Vegetative Ray™ Black 1 tray









Amethyst Infusion 🎇



1tray 50 ct Calibrachoa Colibri™ Purple Spark 50 ct Lobelia Glow™ White Lightning 1 tray

50 ct Petunia Vegetatvie Capella™ Purple











Answer the Call

1 1 tray 50 ct Petunia Vegetative Surfinia® Trailing Red

B 1 tray 50 ct Calibrachoa Calitastic® White

C 1tray 50 ct Lobelia Hot® Blue

D 1 tray 50 ct Verbena Vanessa™ Standard White





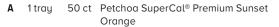


pot idea

Brushed
Champagne



Autumn Ember 🎇



B 1 tray 50 ct Petchoa SuperCal® Premium Red Maple









Warm Copper



Backyard Fireworks 🎇

A 1 tray 25 ct Coleus Defiance

B 1 tray 25 ct Ipomoea Marguerite

C 2 trays 25 ct Begonia boliviensis Santa Cruz®









pot idea
Warm Copper



Be My Valentine

1 1 tray 50 ct Petunia Vegetative Capella™ Rose

B 1tray 50 ct Verbena Vanessa™ Standard Bicolor Pink





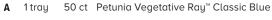




pot idra
Brushed
Champagne



Beach House 🎉



B 1tray 50 ct Petunia Vegetative Perfectunia® Sun

C 1tray 50 ct Verbena Estrella® Peach









pot idea Light Mocha



Beating Heart

A 1tray 50 ct Calibrachoa Calibasket™ Glamorous

B 2 trays 50 ct Verbena Vanessa™ Compact Red

c 2 trays 50 ct Bidens Yellow Sunshine









pot idea
Light Mocha



Berries & Cream 🎇





1 tray 50 ct Petunia Vegetative Capella™ Purple















1 tray 50 ct Petunia Vegetative Capella™ Burgundy

2 trays 50 ct Nemesia Nesia™ Bananaberry















1 tray 50 ct Petunia Vegetative Capella™ Indigo

1 tray 50 ct Verbena Vanessa™ Standard Purple













Blackberry Tart 🎇

50 ct Calibrachoa Chameleon® Blackberry Pie 1 tray

1 tray 50 ct Calibrachoa Chameleon® Tart Deco





A 1tray





Brushed



Bloombox Boogie 🎉



50 ct Sunpatiens® Compact Lavender

50 ct Sunpatiens® Compact Classic White 1 tray

50 ct Sunpatiens® Compact Rose Glow 1 tray

T BREEDER APPROVED TAGS REQUIRED







Powdered Smoked Gray



Blue Eyes Cryin'



50 ct Petunia Vegetative Ray™ Classic Blue 1 tray

50 ct Bacopa Scopia® Double Indigo 1 tray

50 ct Verbena Vanessa™ Standard Bicolor 1 tray Indigo











Blueberry Hill 🎉

50 ct Calibrachoa Caliloco Skywalker™ 1 tray

50 ct Verbena Estrella® White 1 tray

1 tray 25 ct Ipomoea Flora Mia Limon Wedge



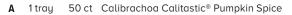












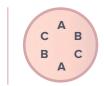
1 tray 50 ct Verbena Estrella® Blueberry

1 tray 50 ct Verbena Estrella® Peach





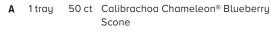
25 TAGS







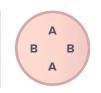




50 ct Calibrachoa Chameleon® Tart Deco













50 ct Calibrachoa Calitastic® Noble Blue 1 tray

1 tray 50 ct Bidens Yellow Sunshine

50 ct Verbena Estrella® Red 1 tray









pot idea Warm Copper



Bumbleberry Jam 🎇



50 ct Petunia Vegetative Capella™ Rose 1 tray 50 ct Petunia Vegetative Capella™ Pink Lace 1 tray

50 ct Petunia Vegetative Capella™ Indigo 1 tray







Champagne







2 trays 25 ct Petunia Premium Easy Wave® Pink Passion

1 tray 50 ct Calibrachoa TikTok Rose 2024

1 tray 50 ct Verbena Estrella® White











Capture My Heart 🎇





2 trays 50 ct Calibrachoa Lia™ Glaze

2 trays 50 ct Verbena Vanessa™ Compact Red











Chalk Art



1 tray 50 ct Calibrachoa Lia™ Yellow Improved

50 ct Verbena Vanessa™ Standard Purple 1 tray









Champagne







Dark Salmon 2 trays 25 ct Begonia hiemalis Chloe Coral Pink

50 ct Angelonia Alonia™ Big Snow 1 tray

25 ct Ipomoea Flora Mia Rosso 1 tray















50 ct Petunia Vegetative Capella™ Burgundy 1 tray 1 tray 50 ct Petunia Vegetative Capella™ Pink Lace 1 tray 50 ct Salvia farinacea Sallyfun™ Pure White







pot idea



Color Parade



50 ct Bidens Blazing™ Glory 1 tray

1 tray 50 ct Verbena Estrella® Red

C 2 trays 25 ct Petunia Premium Easy Wave® Blue









Coming Up Roses



A 1tray 50 ct T Sunpatiens® Vigorous Clear White

50 ct Verbena Estrella® Red 1 tray

T BREEDER APPROVED TAGS REQUIRED









Cosmic Trifecta

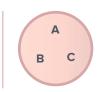




B 1tray 50 ct Petunia Vegetative Crazytunia® Cosmic
Purple

C 1tray 50 ct Petunia Vegetative Crazytunia® Cosmic Violet







pot idea

Brushed
Champagne



Country Girl

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 🎇

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







Λ.	4	ΓO -+	Causansia Calausaniii Calalau Culaus
A	rtruy	50 Cl	Coreopsis Solanna™ Golden Sphere

B 1tray 25 ct Carex Red Rooster

C 1 tray 25 ct Geranium Interspecific Mojo™ Dark Red

D 1 tray 25 ct Ipomoea Blackie

E 1 tray 50 ct Verbena Estrella® Peach







pot idea

Brushed



Crazy Love



B 1 tray 50 ct Petunia Vegetative Amoré® Purple

C 1 tray 50 ct Petunia Vegetative Amoré® Fluttering







pot idea
Light Mocha



Dakota Sky 🎉

A 1tray 50 ct Petunia Vegetative Cascadias™ Indian Summer

B 1tray 50 ct Petunia Vegetative Cascadias™ Purple Gem









pot idea
Warm Copper



Dancing 'til Dawn





50 ct Calibrachoa Noa® Yellow 1 tray

1 tray 50 ct Bacopa Scopia® Gulliver White





1 tray

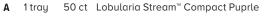






Easter Eggs 🎉





2 trays 25 ct Pansy Spreading Cool Wave® Violet

2 trays 25 ct Pansy Spreading Cool Wave® Golden Yellow



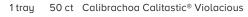






Enchanted Evening





50 ct Petunia Vegetative Cascadias™ Autumn 1 tray Mystery

50 ct Nemesia Nesia™ Inca 1 tray















B 1tray 50 ct Calibrachoa Chameleon® Blueberry Scone

4 trays 25 ct Satureja Indian Mint









pot idea Light Mocha



Evi's Smile

A 2 trays 25 ct Begonia hiemalis Evi Bright Pink

B 1 tray 50 ct **1** Sunpatiens® Vigorous Clear White

C 1 tray 50 ct Angelonia Alonia™ Big Dark Pink

T BREEDER APPROVED TAGS REQUIRED







pot idea
Brushed
Champagne



Eye Candy

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 🎇

A 1 tray 50 ct Calibrachoa Chameleon® Frozen Ice

B 1tray 50 ct Calibrachoa Chameleon® Pink Diamond









Powdered Smoked Gray



Finger Paints 🎇

A 1 tray 50 ct Bidens Yellow Sunshine

B 1 tray 50 ct Calibrachoa Ombre™ Pink

C 1 tray 50 ct Petunia Vegetative Capella™ Indigo









pot idea
Powdered
Smoked Gray



Fire & Ice

A 1 tray 50 ct Verbena Vanessa™ Standard White

B 1 tray 50 ct Calibrachoa Calitastic® Bright Red









Brushed Champagne



Fire Queen 🎉

A 1tray 50 ct Petunia Vegetative Amoré® Queen of Hearts

B 1tray 50 ct Calibrachoa Lia™ Yellow Improved
C 1tray 50 ct Verbena Vanessa™ Standard Red









Powdered
Smoked Gray



First Light

A 1tray 50 ct Calibrachoa Calitastic® Violaceous

B 1tray 50 ct Calibrachoa Noa® Yellow

C 1tray 50 ct Bacopa Scopia® Gulliver White









/ Powdered Smoked Gray



Frosted Berries



A 1tray 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

25







Powdered Smoked Gray



Fruit Salad 🎉



- **B** 2 trays 50 ct Calibrachoa Colibri™ Tangerine
- C 2 trays 50 ct Verbena Estrella®™ Blueberry







pot idea Light Mocha



Fun On the 4th



B 1 tray 50 ct Petunia Vegetative Amoré® King of Hearts

C 1 tray 50 ct Salvia Sallyfun™ Blue Lagoon







pot idia

Brushed
Champagne



Golden Blush 🎇

- 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 idia Warm Copper



Highland Fling 🎇

1 1tray 50 ct Petunia Mini Littletunia® Purple Blue

B 1 tray 50 ct Calibrachoa Noa® Yellow

C 1tray 50 ct Verbena Estrella® Red









pot idea Warm Copper



Iced Peaches



B 2 trays 50 ct Calibrachoa Lia™ Melon

C 2 trays 50 ct Verbena Vanessa™ Standard Bicolor Indigo









Brushed Champagne



Itsy Bitsy 🎉

1tray 50 ct Petunia Mini Itsy™ Magenta1tray 50 ct Petunia Mini Itsy™ White

C 1tray 50 ct Petunia Mini Shortcake™ Blueberry









pot idea
Brushed
Champagne



Itsy Trifection 🎇

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









potidia
Brushed
Champagne



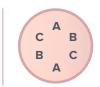


B 1 tray 50 ct Calibrachoa Lia™ Violet

C 1tray 50 ct Calibrachoa Lia™ Glaze









pot idea
Brushed
Champagne





25 TAGS

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 🎇





50 ct Petchoa SuperCal® Rose 1 tray 1 tray 50 ct Verbena Estrella® White

50 ct Calibrachoa Eyeconic™ Purple 1 tray







Brushed



Little Moments 🎇



50 ct Petunia Mini Littletunia® Pink 1 tray

50 ct Petunia Mini Littletunia® Purple Blue 1 tray

50 ct Petunia Mini Littletunia® Rose 1 tray







Champagne



Lollipops 🎉



25 ct Petunia Premium E3 Easy Wave® Pink 1 tray Cosmo

25 ct Petunia Premium E3 Easy Wave® Sky 1 tray Blue









Maggie May 🎉

1 1 tray 50 ct Petunia Vegetative Capella™ Rose

B 1 tray 50 ct Bidens White Delight™ Improved

C 1tray 50 ct Salvia Sallyfun™ Blue Lagoon









Brushed Champagne



Meet Me In Miami 🎉

A 1 tray 50 ct Calibrachoa Lia™ Bubblegum

B 1 tray 50 ct Petunia Vegetative Ray™ Sunshine

C 1 tray 50 ct Verbena Vanessa™ Standard Purple









Powdered Smoked Gray



Midsummer Night's Dream



- 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 idia Warm Copper







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



B 1 tray 50 ct Calibrachoa Lia™ Glaze

C 1tray 50 ct Verbena Vanessa™ Compact Red









pot idea
Light Mocha



Out of the Blue 🎇



B 2 trays 50 ct Lobularia Compact Stream™ Violet

c 2 trays 50 ct Verbena Estrella® Blueberry









pot idea

Brushed
Champagne



Palace Parade 🎇





B 2 trays 25 ct Petunia Premium E3 Easy Wave® Pink
Cosmo

C 2 trays 25 ct Dichondra Silver Falls









Brushed Champagne







B 1tray 50 ct Petunia Vegetative Cascadias™ Purple

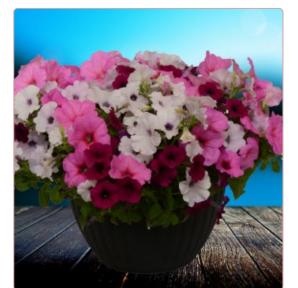
C 1 tray 50 ct Verbena Vanessa™ Standard Red







pot idea
Powdered
Smoked Gray



Perfect Tonight 🎇



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



Pink Bubbly

50 ct Petunia Vegetative Capella™ Baby Pink

1 tray
 50 ct Petunia Vegetative Capella™ Baby Pink
 1 tray
 50 ct Petunia Vegetative Capella™ Burgundy
 1 tray
 50 ct Petunia Vegetative Capella™ Rose



1 tray





pot idea

Brushed
Champagne



Pistachio Pops 🎉



B 1tray 50 ct Helichrysum Licorice Silver

24 ct Pennisetum rubrum

C 2 trays 25 ct Ipomoea Marguerite







pot idea
Brushed Teal



Pixie Stix 🎉



- **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 🎇

50 ct Bacopa Scopia® Gulliver Compact Purple 1 tray

50 ct Petunia Vegetative Ray™ Purple Vein 1 tray

50 ct Verbena Estrella® White 1 tray











Pomegranate Sugar 🎉



50 ct Verbena Vanessa™ Compact Bordeaux 1 tray

1tray 50 ct Verbena Vanessa™ Compact Rosa

1 tray 50 ct Verbena Vanessa™ Compact White







Powdered Smoked Gray



Pop Life 🎇



1 tray 50 ct Sunpatiens® Compact Red Candy

50 ct Sunpatiens® Compact Classic White 1 tray

50 ct Sunpatiens® Compact Hot Coral 1 tray

T BREEDER APPROVED TAGS REQUIRED











A 1tray 50 ct Bidens Golden Empire™

B 1tray 50 ct Petunia Vegetative Amoré® Queen of



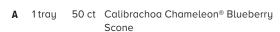






Powdered
Smoked Gray





B 1tray 50 ct Calibrachoa Chameleon® Pink Diamond

C 1tray 50 ct Calibrachoa Chameleon® Tart Deco









Powdered Smoked Gray



Raspberry Wine 🎇

1tray50 ct Petunia Vegetative Dekko™ White1tray50 ct Petunia-Mini Shortcake Raspberry

C 1tray 50 ct Verbena Estrella® Merlot









pot idea

Brushed
Champagne



Remember When 🎇





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













50 ct Calibrachoa Chameleon® Tart Deco 1 tray

50 ct Verbena Estrella® Pink 1 tray







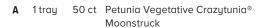


Powdered Smoked Gray



25 TAGS





50 ct Calibrachoa Chameleon® Atomic Orange

2 trays 50 ct Lysimachia nummularia Karat















B 2 trays 25 ct Petunia Premium Easy Wave® White

C 2 trays 25 ct Petunia Premium Easy Wave® Blue



25 TAGS

A 1tray





pot idia
Powdered
Smoked Gray



Send in the Clowns 🎇



50 ct Calibrachoa Calibasket™ Yellow

NAKES 25

B 1tray 50 ct Lobelia Hot+® Pretty Heaven

C 1tray 50 ct Verbena Estrella® Red







pot idea
Warm Copper



Shades of Summer



1 tray 50 ct Calibrachoa Noa® Blue Legend

B 1 tray 50 ct Calibrachoa Lia™ Melon

C 1tray 50 ct Calibrachoa Noa® Yellow









pot idea
Warm Copper



Sky Full Of Stars



3 1 tray 50 ct Petunia Vegetative Splash Dance™ Purple Polka









Powdered Smoked Gray



Smoldering Summer



B 1 tray 50 ct Calibrachoa Chameleon® Atomic Orange

C 1 tray 50 ct Verbena Estrella® Red









pot idea
Warm Copper



Spring Has Sprung

1 tray 25 ct Petunia Premium Easy Wave® Blue

B 1tray 25 ct Petunia Premium Easy Wave® Pink Passion

C 1 tray 25 ct Ipomoea Marguerite

D 1 tray 50 ct Lobelia Hot® Blue









pot idea

Brushed
Champagne



Starfruit Swirl 🎉

1 tray 50 ct Bidens Yellow Sunshine

1 tray 50 ct Petunia Vegetative Capella™ Salmon 1tray 50 ct Petunia Vegetative Capella™ Sangria









Strawberry Fields 🎇



50 ct Calibrachoa Calitastic® White 1 tray 50 ct Verbena Hurricane Red 1 tray













50 ct Petunia Vegetative Capella™ Rose 1 tray

50 ct Calibrachoa Eyeconic™ Cherry Blossom 1 tray

50 ct Verbena Vanessa™ Standard Bicolor Pink 1 tray











Street Style



B 1 tray 50 ct Calibrachoa Calitastic® Raspberry

C 1 tray 50 ct Verbena Voodoo™ Pink Star









pot idea

Brushed
Champagne





B 1 tray 50 ct Bacopa Scopia® Gulliver White

C 1 tray 50 ct Verbena Vanessa™ Compact Red











pot idea
Brushed
Champagne



Sultans of Swing 💸

A 1 tray 50 ct Petunia Vegetative Amoré® Heart and Soul

B 1 tray 50 ct Calibrachoa Lia™ Yellow Improved

C 1 tray 50 ct Verbena Vanessa™ Standard Magenta









pot idea Brushed Teal



Sunshine & Storm 🎇





- 2 trays 25 ct Petunia Premium Easy Wave® Blue
- **B** 1 tray 50 ct Bidens Yellow Sunshine







pot idea Light Mocha



Sweet Dreams



- 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







Brushed Champagne



Sweet Velour 🎇



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







Champagne



Tangled Up in Blue 🎇



25 ct Petunia Premium Easy Wave® Blue 1 tray 25 ct Petunia Premium Easy Wave® Violet 1 tray 1 tray 25 ct Petunia Premium Easy Wave® White

1 tray 50 ct Verbena Estrella® Dark Purple









Touch of Lavender



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

T BREEDER APPROVED TAGS REQUIRED







Champagne



Tres Chic 🎇



- 1 tray 50 ct Lobelia Glow™ Electric Blue
- 1 tray 50 ct Petunia Vegetative Capella™ Pink Lace
- 1 tray 50 ct Petunia Vegetative Capella™ Rose











Twilight Hues 🎇



2 trays 50 ct Verbena Vanessa™ Compact Red

2 trays 50 ct Petunia Vegetative Capella™ Indigo









Brushed



Unlikely Lime 🎇

50 ct Angelonia Alonia™ Big Blue 1 tray

50 ct Calibrachoa Caliloco Skywalker™ 1 tray

50 ct Helichrysum Limelight 1 tray

25 ct Celosia Kelos® Fire Lime 1 tray









Champagne



Vintage Soiree 🎇

25 ct Coleus Great Falls® Niagara 1 tray 50 ct Verbena Empress® Sun Red 1 tray

50 ct Calibrachoa Calitastic® Butter 1 tray















A 1tray 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 🎇

A 1 tray 50 ct Calibrachoa Calitastic® Ice Blue

3 1tray 50 ct Calibrachoa Calitastic® Violaceous

C 1 tray 50 ct Calibrachoa Calitastic® White









pot idea Light Mocha



Whispers of Dawn 💸



1 tray 25 ct Geranium Zonal Patriot Rosalinda

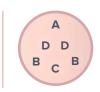
B 1 tray 50 ct **1** Sunpatiens® Compact Classic White

C 1 tray 25 ct Ipomoea Flora Mia Cameo

D 1 tray 50 ct Verbena Vanessa™ Compact Bicolor Rose

T BREEDER APPROVED TAGS REQUIRED







pot idea Light Mocha



Wild Berry Meringue 🎉

1 tray 25 ct Petunia Premium Easy Wave® White

1 tray 50 ct Verbena Estrella® Red

1tray 50 ct Lobelia Glow™ Electric Blue











Wild Blue Yonder 🎇



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







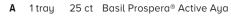






Country Kitchen 🎇





1 tray 25 ct Chives Garlic

1 tray 25 ct Parsley Forest Green

1 tray 25 ct Thyme vulgaris English

25 ct Marjoram Sweet 1 tray

25 ct Sage Purple 1 tray

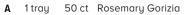








French Cuisine 🎇



1 tray 25 ct Parsley Giant of Italy

25 ct Sage Purple 1 tray

25 ct Thyme vulgaris French 1 tray

25 ct Tarragon French 1 tray

1 tray 25 ct Melissa Lemon Balm



1 tray





Fieldstone



Italian Chef's Choice





25 ct Basil Amethyst 1 tray

25 ct Thyme Golden Lemon 1 tray

25 ct Oregano Hot 'n Spicy 1 tray

25 ct Oregano Variegated 1 tray

25 ct Basil Prospera Active Aya 1 tray







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



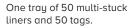
12-13" CONTAINER



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.









Beautiful combinations.





Bonfire

Petchoa SuperCal® Premium Caramel Yellow Petchoa SuperCal® Premium Cinnamon

Petchoa SuperCal® Premium French Vanilla









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





pot idia
Brushed Champagne



Spring Soiree 🎇



Calibrachoa Noa® Blue Legend Calibrachoa Lia™ Melon Calibrachoa Noa® Yellow





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

25 tags Wave® Mix



3 Color Mix



1 tray 25 ct Each Color 25 tags Wave® Mix





After Dark EASY WAVE® BURGUNDY VELOUR EASY WAVE® NEON ROSE



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



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



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



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



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



Starfish EASY WAVE® BURGUNDY STAR EASY WAVE® WHITE



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



annuals

BEDDING PLANTS

🖸 CANNA CANNOVA GOLD LEOPARD / P 62







63

CELOSIA

Burning Embers

This striking plant showcases vibrant red plumes with dark bronze foliage. Heat and drought-tolerant, these long-lasting blooms attract bees.

75

OSTEOSPERMUM

Akila® Hawaii Sunset Mix

This mix showcases a beautiful array of colors that bloom uniformly, offering a well-matched height and habit.

PAGE

PETUNIA

E3 Easy Wave® Rose Morn

Another color from the ever popular E3 Easy Wave Series, known for their cold durable colors and a long blooming period.



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!





ANGELONIA SERENA SERIES P57



BEGONIA DRAGON WING RED P57



BEGONIA VIKING EXPLORER ROSE WITH GREEN LEAF P60



BEGONIA VIKING XL RED ON CHOCOLATE **P59**



BEGONIA WHOPPER WHITE WITH GREEN LEAF P59



CANNA CANNOVA SERIES P62



CELOSIA FLAMMA ORANGE P62



ANNUALS

Ageratum **

NEW Kona Blue - A dwarf, early-flowering plant with a mounded shape, suitable for packs and 4" pots. Ideal for garden use. Features fluffy, mid-blue flowers that thrive in full or partial sun and withstand hot, humid conditions. Blooms about 10 days later than Aloha. Height 5-6". Spread 9-10".

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".



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, give it a good feeding at about 100 ppm, then transplant. It should green right up.

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 - Subject to seed availability.

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

Amaranthus **





NEW Carnival - Also known as "Joseph's Coat." A colorful and striking plant with an upright habit. It displays brilliant yellow and red shades on bronze leaves that mature to bronze. Tall purple flowers appear in late summer. Height 36-48". Width 18-24".

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



AGERATUM KONA BLUE



ALYSSUM CLEAR CRYSTAL LAVENDER SHADES



PURPLE SHADES



ALYSSUM CLEAR CRYSTAL WHITE

ALTERNANTHERA



ALYSSUM CLEAR CRYSTAL MIX



ALYSSUM GIGA WHITE



AMARANTHUS CARNIVAL



AMARANTHUS VELVET CURTAINS



ANGELONIA SERENA BLUE



ANGELONIA SERENA ROSE



ANGELONIA SERENA WHITE



ANGELONIA SERENA MIX



ANGELONIA SERENITA MIX



ASPARAGUS DENSI **FUZZYFERN FRIZZ**



ASTER BALL FLORIST MIX



ASTER PIXIE PRINCESS MIX



BEGONIA DRAGON



DRAGON WING RED



DRAGON WING RED **BRONZE LEAF**



DRAGON WING WHITE



FUNKY PINK



GROOVY MELLOW YELLOW



GROOVY RED



GROOVY ROSE



GROOVY WHITE



SANTA CRUZ



GRYPHON



SILVER SPOT

Angelonia

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

Blue - with large flowers

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 densi 🎇 🗻





NEW FuzzyFern Frizz - Features dark green, coarse, needle-like leaves. Serves as a great accent in baskets or planters. FuzzyFern Frizz does not produce notable flowers; its appeal lies in the foliage. It is heat and drought-tolerant, suitable for groundcover in areas with little or no frost. Height 24-36". Width 24-36".

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 21/2-3" 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 2-21/2" 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

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® Pink - 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".

Groovy - F1 hybrid. This series makes shipping easier with its mounded semi-trailing habit. Makes a beautiful 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

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".

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 1-11/4". 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

Senator iQ - Early flowering with dark leaves. Great garden performance with heat-tolerance and weather-resistance. Flower size $^{3}\!/_{\!4}\text{-}1\text{"}.$ Height 8-10".

Deep Rose

Pink

Rose Bicolor

Scarlet

White

Mix

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".

Lipstick

Pink

Red

White

Super Olympia® - Great landscape performance. Broad plants display 3/4" blooms and a compact, uniform habit. Standard green leaf. Good in the South. Height 6-8".

Bicolor

Pink

Red

Rose White

Mix



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



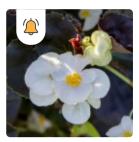
BIG RED WITH BRONZE LEAF



BIG RED WITH GREEN LEAF



BIG ROSE WITH GREEN LEAF



BIG WHITE WITH BRONZE LEAF



BIG WHITE WITH GREEN LEAF



STONEHEDGE ROSE WITH BRONZE LEAF



VIKING XL RED ON CHOCOLATE



WHOPPER RED WITH



WHOPPER RED WITH GREEN LEAF



WHOPPER ROSE WITH BRONZE LEAF



WHOPPER ROSE WITH GREEN LEAF



WHOPPER WHITE WITH GREEN LEAF

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 Pink with Green Leaf Red with Bronze Leaf Red with Green Leaf Rose with Green Leaf **NEW** White with Bronze Leaf

White with Green Leaf

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.



REGONIA BIG PINK WITH GREEN LEAF



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

Begonia - Tuberous 衡 🗻



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".

NEW Lace Apricot - apricot with white edge

Lace Pink - pink with white edge

Lace Red - red 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".

NEW Coral Salmon

Pink

NEW Red

Yellow

Illumination® - An F1 hybrid that features a large, cascading habit with an abundance of 21/2-3" double blooms. Spectacular display of flowers all summer long in baskets and window boxes. Requires lighting until mid-March.

Apricot Shades

Golden Picotee

Lemon

Scarlet

Mix



BEGONIA - TUBEROUS NONSTOP PEACH SHADES



VIKING EXPLORER RED ON GREEN





AMERIHYBRID PICOTEE LACE PINK



AMERIHYBRID PICOTEE LACE RED



LACE APRICOT



AMERIHYBRID RUFFLED



AMERIHYBRID RUFFLED PINK



AMERIHYBRID RUFFLED RED



AMERIHYBRID RUFFLED YELLOW



ILLUMINATION APRICOT SHADES



ILLUMINATION **GOLDEN PICOTEE**



ILLUMINATION LEMON



ILLUMINATION SCARLET



ILLUMINATION MIX



NONSTOP APPLEBLOSSOM



NONSTOP FLAME



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



NONSTOP MOCCA **DEEP ORANGE**



NONSTOP MOCCA DEEP RED

NONSTOP MOCCA YELLOW





NONSTOP MOCCA MIX



CALENDULA BON BON 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

NEW Flame

Orange - bright orange

NEW Peach Shades

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 Nonstop. Prolific blooms, carried on a well-branched, mounded habit. Flowers show on the outside of the domed canopy, giving an excellent presentation. Height 8-10".

NEW Mocca Rose

Mocca White - white, dark leaves

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

Nonstop® Mocca - Early and uniform bronzeleafed series. Numerous, large, fully-double flowers. Mounding habit and early lateral branchina

Deep Orange

Deep Red

Pink Shades

Yellow

Mix

Calendula **



NEW Bon Bon Mix - Large-flowering calendula that blooms from Spring through Autumn. It has a dwarf, upright, mounded habit suitable for adding color to beds or borders. The mix includes bright yellow, orange, apricot, and soft yellow. Height 12". Width 6-8".



NONSTOPJOY MOCCA ROSE

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

Bronze Peach

NEW Gold Leopard

Orange Shades

Red Golden Flame - bright red outlined with golden yellow

Rose

Rose Dark Bud

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. 12" plumes atop basal-branching 16" 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".

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".

Golden

Orange - AAS Winner

Red

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 21/2" 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



CANNA CANNOVA BRONZE LEAF ORANGE



BRONZE LEAF SCARLET



CANNA CANNOVA BRONZE PEACH



CANNA CANNOVA GOLD LEOPARD



CANNA CANNOVA ORANGE SHADES



CANNA CANNOVA RED **GOLDEN FLAME**



CANNA CANNOVA ROSE



CANNA CANNOVA ROSE DARK BUD



CANNA CANNOVA SCARLET



CANNA CANNOVA YELLOW



CELOSIA ARMOR MIX



CELOSIA CENTURY MIX



CELOSIA FIRST FLAME PURPLE



CELOSIA FLAMMA GOLDEN



CELOSIA FLAMMA ORANGE



CELOSIA FLAMMA RED



CELOSIA FLAMMA MIX



CELOSIA KIMONO MIX



CELOSIA FASHION LOOK MIX



CELOSIA FRESH LOOK MIX



CELOSIA NEW LOOK



CELOSIA BURNING EMBERS



CELOSIA CONCERTINA MIX



CELOSIA DRACULA



CELOSIA DRAGON'S BREATH



CLEOME QUEEN MIX



CLEOME SPARKLER MIX



COLEUS BLACK DRAGON



FESTIVE DANCE



WIZARD CORAL SUNRISE



WIZARD ROSE



WIZARD SCARLET



WIZARD VELVET RED

Celosia Premium



NEW Burning Embers - 2024 AAS Winner. A strongly branched, flowering celosia with vibrant red plumes and bronze foliage that complement each other. It has excellent heat and drought tolerance, ensuring long-lasting flowers. Bees love them! Height 10-12". Width 7-9".

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".

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".

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.

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.

Mix Select

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 41/2" 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

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

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



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".

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".

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 **



NEW Apollo™ Mix - A naturally compact plant that quickly fills containers. It has well-formed, large flowers that create a showy display, suitable for packs up to 5-gallon pots. Pollinator-friendly. Height 18-26". Width 20-24".



KONG LIME SPRITE



KONG MOSAIC



KONG RED



KONG ROSE



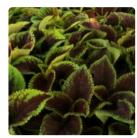
KONG MIX EMPIRE



KONG JR GREEN HALO



KONG JR ROSE



KONG JR SCARLET



CHOCOLATE COVERED



CHOCOLATE MINT



PINEAPPLE SURPRISE



CORAL CANDY



RUBY HEART



COSMOS APOLLO MIX



COSMOS CASANOVA MIX



COSMOS COSMIC MIX



DAHLIA FIGARO MIX



COSMOS SENSATION MIX



DIANTHUS DIANA MIX FORMULA



IDEAL SELECT WHITEFIRE



IDEAL SELECT MIX



SUPER PARFAIT RASPBERRY



SUPER PARFAIT STRAWBERRY



TELSTAR CRIMSON



TELSTAR PURPLE



TELSTAR MIX

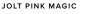


VENTI PARFAIT BLUEBERRY EYE



JOLT CHERRY







JOLT PURPLE

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, 31/2" semi-double flowers.

Dahlia 🌞



Dianthus 3



Diana Mix Formula - includes 12 colors. Features large flowers, extra early blooming, compact plant habit and some unique colors. Suitable for pack and pot production. Height 6-8".

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

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".

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

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.

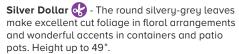
Dusty Miller 🎇 🚄



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.

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

Eucalyptus **



Flowering Cabbage



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 Tiger - mix of Rose Stripe and Red Stripe

Gerbera 3





DICHONDRA SILVER FALLS



DRACAENA INDIVISA



DUSTY MILLER NEW LOOK



DUSTY MILLER SILVER DUST



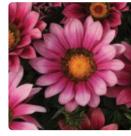
EUCALYPTUS SILVER DOLLAR



FLOWERING KALE NAGOYA MIX



FLOWERING CABBAGE OSAKA IQ MIX



GAZANIA NEW DAY PINK SHADES



GAZANIA NEW DAY RED SHADES



GAZANIA NEW DAY YELLOW



GAZANIA NEW DAY



GAZANIA NEW DAY MIX



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



JAGUAR MIX



MEGA REVOLUTION MIX SELECT



REVOLUTION MIX SELECT



ROYAL RED



ROYAL PRINCE NEON VIOLET



GLOXINIA AVANTI MIX



GOMPHRENA BUDDY PURPLE



GOMPHRENA LAS VEGAS MIX



GYPSOPHILA GYPSY DEEP ROSE

Flori Line® Maxi - Suitable for 41/2-6" pots. Features very large flowers up to 41/2" 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

Red

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

Jaquar™ 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

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

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® Yellow with Dark Center & - Sunfinity produces loads of blooms over the entire season! Be sure to see detailed culture information sheet. Height up to 36-48".

T BREEDER APPROVED TAGS REQUIRED

Suntastic® Yellow with Black Center - 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.

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.

Rose

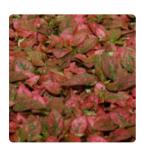
White Mix



YELLOW WITH DARK CENTER



HELIANTHUS SUNBUZZ



HYPOESTES SPLASH SELECT RED



HYPOESTES SPLASH SELECT ROSE





HYPOESTES SPLASH **SELECT WHITE**



IMPATIENS BEACON **BRIGHT RED**



BEACON CORAL





BEACON LIPSTICK



BEACON ORANGE



BEACON ROSE



BEACON SALMON



BEACON VIOLET SHADES

BEACON MIX CAPE PINE



BEACON MIX CHICAGO



BEACON WHITE



BEACON MIX FORMULA



BEACON MIX OTWAY



BEACON MIX PEARL ISLAND



BEACON MIX PORTLAND



BEACON MIX SANIBEL



IMARA XDR ORANGE



IMARA XDR ORANGE STAR



IMARA XDR PINK



IMARA XDR PURPLE



IMARA XDR RED



IMARA XDR RED STAR



IMARA XDR ROSE



IMARA XDR SALMON SHADES



IMARA XDR MIX



IMARA XDR MIX HOT!



IMARA XDR MIX PASTEL



IMARA XDR MIX PROFORMULA



IMARA XDR MIX ROSY



IMARA XDR MIX TANGO

Impatiens 衡 🗻



high resistance to downy mildew. No need for IDM preventative measures according to Pan American. They are slightly taller than Super Elfins 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

Lipstick

Orange

Rose

Salmon

Violet Shades

White

Mix Cape Pine - Named after the Cape Pine Lighthouse in Newfoundland, Canada. The mix features Bright Red and White.

NEW Mix Chicago - Named after the Chicago Harbor Lighthouse. The mix includes shades of Violet, White, and Blue Pearl.

NEW Mix Otway - Named after the Cape Otway Lighthouse in Victoria, Australia. The mix includes Lipstick, Rose, and Light Pink.

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 Sanibel - named afer 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 - Subject to seed availability.

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

Impatiens - Hybrid 👟 🗻



Magenta Bliss - warm magenta/violet-purple

NEW White Pearl - Offers a clean white, non-blushing color with a small eye, serving as a replacement for White Shimmer.

Mix Voodo - mix of Magenta Bliss and Orange

Solarscape® XL - 20% larger than standard Solarscapes in Southern applications. Height 11-13". Spread 18-20".

> **NEW Lilac Spark** - Features lilac flowers with a rose center.

> **NEW Pink Jewel** - Displays vivid pink flowers. **NEW Salmon Glow** - Offers a sating texture with vibrant salmon-colored flowers.

Lisianthus 🎇

make wonderful cut flowers! Crop time: spring to mid-summer. Height 2-3'.

Blue

Blue Rim

Lavender

Misty Blue

Misty Pink

Purple

Rose

Yellow

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".

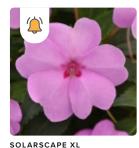
Rosanne 1 Black Pearl 😵 - An early blooming variety with double flowers and thick petals. Holds up well after cutting. Height 36-48".



SOLARSCAPE MAGENTA BLISS



SOLARSCAPE WHITE PEARL



LILAC SPARK



SOLARSCAPE XL PINK JEWEL



SOLARSCAPE XL SALMON GLOW



SOLARSCAPE MIX VOODOO



LISIANTHUS ABC 2 BLUE



LISIANTHUS ABC 2 BLUE RIM



LISIANTHUS ABC 2 LAVENDER



LISIANTHUS ABC 2 MISTY BLUE



LISIANTHUS ABC 2 MISTY PINK



LISIANTHUS ABC 2 PURPLE



LISIANTHUS ABC 2 ROSE



LISIANTHUS ABC 2 YELLOW



LISIANTHUS ABC 3 ROSE



LISIANTHUS ADVANTAGE CHERRY SORBET



LISIANTHUS FLARE



LISIANTHUS FLARE DEEP ROSE



DEEP BLUE



LISIANTHUS FLARE YELLOW



LISIANTHUS JULIETTA BLUE



LISIANTHUS ROSANNE 1 BLACK PEARL



LISIANTHUS ROSANNE 2 CLEAR GREEN



LISIANTHUS ROSANNE 2 TERRACOTTA



LISIANTHUS VOYAGE 2 BLUE



LISIANTHUS VOYAGE 2 CHAMPAGNE



LISIANTHUS VOYAGE 2 DEEP ROSE



LISIANTHUS VOYAGE 2 GREEN



LISIANTHUS VOYAGE 2 LAVENDER



LISIANTHUS VOYAGE 2 LIGHT APRICOT



LISIANTHUS VOYAGE 2 PINK



LISIANTHUS VOYAGE 2 YELLOW



LOBELIA REGATTA MIDNIGHT BLUE



LOBELIA REGATTA ROSE



LOBELIA REGATTA SKY BLUE

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 2 Terracotta 🚱 - 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".

length 24-36".

NEW Blue

Champagne

Deep Rose

Green

Lavender

Light Apricot

Pink

NEW Pure White

Yellow

Lobelia 🌦



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

Rose - magenta pink with white eye

Sky Blue



LISIANTHUS VOYAGE 2 PURE WHITE

White - pure white

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

Sky Blue - green foliage

White

Mix - mix may not include white

Lobelia Premium 🌥



NEW Masterpiece Blue with Eye - Fleuroselect Award Winner. This first Lobelia hybrid from seed matches the performance of vegetative varieties. It has large blue flowers with a white center on a branching, mounding plant. Suitable for pot and container production and landscape applications. It has excellent heat tolerance. Height 12". Width 16".

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



MARIGOLI

How do I get my African Marigolds to

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.



LOBELIA REGATTA WHITE



LOBELIA REGATTA MIX



LOBELIA RIVIERA BLUE EYE



LOBELIA RIVIERA MARINE BLUE



LOBELIA RIVIERA MIDNIGHT BLUE



LOBELIA RIVIERA SKY BLUE



LOBELIA RIVIERA MIX



LOBELIA MASTERPIECE BLUE WITH EYE



MARIGOLD ANTIGUA ORANGE



ANTIGUA YELLOW



BALI GOLD



BALI ORANGE



INCA II DEEP ORANGE



INCA II GOLD



INCA II YELLOW





TAISHAN ORANGE



TAISHAN YELLOW



Inca II $^{\rm m}$ - 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

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

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".

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

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".

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

Harmonu

Orange Flame

Spry - AAS winner

Yellow Bee

Mix Maxi

Marigolds - Triploid 🎇



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

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'.



DURANGO MIX



DURANGO MIX OUTBACK



FIREBALL



FLAMENCO



STRAWBERRY BLONDE



SUPER HERO DEEP ORANGE



SUPER HERO DEEP YELLOW



SUPER HERO HARMONY



SUPER HERO ORANGE FLAME



SUPER HERO SPRY



SUPER HERO YELLOW BEE



SUPER HERO MIX MAXI



ENDURANCE SUNSET GOLD



ENDURANCE YELLOW



MELAMPODIUM JACKPOT GOLD



ORNAMENTAL MILLET JADE PRINCESS



ORNAMENTAL MILLET PURPLE BARON





ORNAMENTAL MILLET



ORNAMENTAL PEPPER ONYX ORANGE



ORNAMENTAL PEPPER CHILLY CHILL



OSTEOSPERMUM AKILA MIX HAWAII SUNSET





PANSY BLUEBERRY THRILL



OSTEOSPERMUM AKILA MIX

CATS PLUS MIX



COLOSSUS MIX



COLOSSUS MIX BLOTCH



DELTA CLASSIC BEACONSFIELD



DELTA CLASSIC PINK SHADES



DELTA CLASSIC YELLOW



DELTA CLASSIC MIX APPLE CIDER



DELTA CLASSIC MIX FRUIT SALAD



DELTA CLASSIC MIX MONET

Ornamental Pepper



Chilly Chili - Child-safe! Non-pungent fruit that matures from greenish yellow to orange to dark red. Good for 41/2-6" pots. Produces 2-21/2" bluntnosed fruit on 9-10" plants.

NEW Onyx Orange - Features small, round, shiny fruit that changes from purple/black to orange as it matures on compact, dark foliage. The horizontal leaves make the fruit visible in beds, borders, or mixed containers. It has extreme heat tolerance and a long shelf life. Height 6-12". Width 6-8".

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".

NEW Mix Hawaii Sunset

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 Mix - includes 5 colors: Blue & Yellow, Marina, Purple & White, White and Yellow. Improved habit, earliness and branching. Will bloom up to 10 days earlier than the original Cats Mix. Great for early spring and fall sales.

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 21/2-3". Height 4-6". Spread 6-8".

Beaconsfield

Pink Shades

Yellow Purple Wing

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

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

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

Mix Wine and Cheese - Pure Primrose, Pure Red, 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″.

Clear Orange

Clear True Blue

Clear White

Clear Yellow

Deep Blue with Blotch

NEW Fire

Lavender Blue Shades

Neon Violet

Rose with Blotch

Violet and White

White with Blotch

Yellow with Blotch

Mix All Colors

Mix Clear Colors

Delta™ Premium Mix Blotch - a wonderful combination of yellow, white, red & purple pansies with dark faces. Plants have improved habit and uniformitu.

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



PANSY DELTA PRO FIRE



DELTA CLASSIC MIX WATERCOLORS



DELTA CLASSIC MIX WINE & CHEESE



DELTA PRO CLEAR ORANGE



DELTA PRO CLEAR TRUE BLUE



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



DELTA PRO VIOLET AND WHITE



DELTA PRO WHITE WITH BLOTCH



DELTA PRO YELLOW WITH BLOTCH



DELTA PRO MIX ALL COLORS



CLEAR COLORS



DELTA PREMIUM MIX BLOTCH



FRIZZLE SIZZLE LEMONBERRY



FRIZZLE SIZZLE MIX



MATRIX MIDNIGHT GLOW



MATRIX SOLAR FLARE



MATRIX SUNRISE



MATRIX MIX OCEAN BREEZE



MG II MIX BLOTCH



SPRING MATRIX BLUE WING



COOL WAVE BLUE



COOL WAVE GOLDEN YELLOW



COOL WAVE FIRE



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

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".

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 pots and/or premium sku's.

Blue

Fire

Golden Yellow

Morpho

Raspberry

Raspberry Swirl

Strawberry Swirl

Violet Wing

Mix

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



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.

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, starshaped 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® - 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

White - more vigorous

Maxi 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 🌞

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".



PENTAS GRAFFITI TRUE PINK



PENTAS BUTTERFLY MIX



PENTAS GLITTERATI



PENTAS GLITTERATI



PENTAS GRAFFITI CRANBERRY



PENTAS GRAFFITI WHITE



PENTAS GRAFFITI MAXI MIX



PENTAS LUCKY STAR DARK RED



PETCHOA CALIBURST YELLOW





PETUNIA DADDY BLUE



DADDY SUGAR



DADDY MIX



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



MADNESS BLUE STAR



MADNESS BLUE VEIN



MADNESS BURGUNDY



MADNESS MID BLUE



MADNESS PINK



MADNESS PLUM



MADNESS RED



MADNESS SUMMER

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 Madness® Mix - These double petunias look spectacular in pots, baskets, beds, and land-scape 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.

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".

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

Merlin Blue Morn - AAS Winner. Bred to perform in a variety of climates, Merlin has $2^{1}/_{2}$ " 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.

Shake - Offers an eye-catching assortment of unique colors and patterns. A dwarf petunia with a large flower and a habit between multiflora's and grandiflora's that usually doesn't require plant growth regulators. Height 6". Garden Height 6-8". Spread 8-10".

NEW Blueberry

NEW Raspberry

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

Star Mix



PETUNIA SHAKE BLUEBERRY



MADNESS WHITE



MADNESS YELLOW



MADNESS TOTAL



MERLIN BLUE MORN



PRETTY GRAND DEEP PINK



PRETTY GRAND MIDNIGHT



PRETTY GRAND RED



PRETTY GRAND WHITE



PRETTY GRAND MIX



SHAKE RASPBERRY



PRISM SUNSHINE



SOPHISTICA LIME BICOLOR



TRITUNIA CRIMSON STA



TRITUNIA STAR MI



E3 EASY WAVE CORAL



E3 EASY WAVE RED, BLUE & WHITE



E3 EASY WAVE PINK



E3 EASY WAVE SKY BLUE, PINK COSMO & WHITE



E3 EASY WAVE ROSE MORN



E3 EASY WAVE YELLOW



E3 EASY WAVE MIX FORMULA



E3 EASY WAVE MIX RED WHITE AND BLUE



E3 EASY WAVE MIX



EASY WAVE BLUE



EASY WAVE BURGUNDY STAR



EASY WAVE BURGUNDY



EASY WAVE CORAL REEF



EASY WAVE LAVENDER



EASY WAVE NAVY VELOUR



EASY WAVE NEON ROSE



EASY WAVE PINK PASSION

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 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

NEW Rose Morn

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

White

Yellow - formerly Easy Wave Yellow

Mix Formula - all colors in series

NEW Mix Red White and Blue

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

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.

 ${\bf Burgundy\ Velour}$ - A little more vigorous than the red Velour.

Coral Reef - deep coral with a small white throat

Lavender Sky Blue

NEW Navy Velour

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

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

NEW Rose

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

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 - AAS Winner. Rich red velvet color

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



EASY WAVE PLUM VEIN



EASY WAVE RED



EASY WAVE RED VELOUR



EASY WAVE ROSE



EASY WAVE ROSE FUSION



EASY WAVE ROSY DAWN



EASY WAVE SILVER



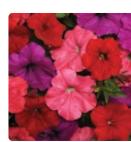
EASY WAVE VIOLET



EASY WAVE MIX FORMULA



EASY WAVE MIX



EASY WAVE MIX SOUTH BEACH



EVENING SCENTSATIONS



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 PURPLE CLASSIC



WAVE PURPLE IMPROVED



PHLOX 21ST CENTURY MIX



PORTULACA HAPPY



PORTULACA HAPPY



PORTULACA HAPPY



PORTULACA HAPPY HOUR MIX



PORTULACA HAPPY HOUR MIX PINK PASSION



HOUR MIX TROPICAL



PORTULACA HAPPY



PORTULACA SUNDIAL MIX



PRIMULA PRINCESSA MIX

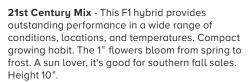
Wave® - Low-growing waves spread 3-4' making an excellent ground cover, hanging basket, or border for window boxes. Good almost anywhere.

Carmine Velour - AAS Winner. Vivid carmine cherry.

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 *****



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 daylength sensitivity. Flowers uniformly across the series. Height 8-10".

Banana

Deep Red

Fuchsia

Mix

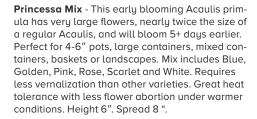
Mix Pink Passion

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 **



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 🎇





Evolution® Violet - 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



PTILOTUS JOEY





SALVIA SUMMER JEWEL RED



SALVIA EVOLUTION VIOLET



SALVIA VICTORIA BLUE & WHITE



SALVIA INTERSPECIFIC



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



DEEP SALMON



LAVENDER ROSE



PINTO PREMIUM ORANGE



PINTO PREMIUM ROSE BICOLOR



PINTO PREMIUM VIOLET



PINTO PREMIUM WHITE



PINTO PREMIUM MIX



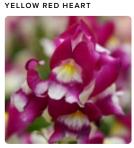
SNAPDRAGON DOUBLESHOT ORANGE BICOLOR



SNAPDRAGON **DOUBLESHOT MIX**



SNAPDRAGON ROCKET MIX



SNAPDRAGON DOUBLESHOT

SNAPDRAGON SNAPSHOT BURGUNDY BICOLOR



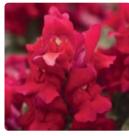
SNAPDRAGON SNAPSHOT CORAL BICOLOR



SNAPDRAGON SNAPSHOT ORANGE



SNAPDRAGON SNAPSHOT PURPLE



SNAPDRAGON SNAPSHOT RED



SNAPDRAGON SNAPSHOT RED BICOLOR



SNAPDRAGON SNAPSHOT ROSE



SNAPDRAGON SNAPSHOT WHITE



SNAPDRAGON SNAPSHOT YELLOW



SNAPDRAGON



SNAPDRAGON SNAPSHOT



SNAPDRAGON SNAPTASTIC 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

Deep Salmon

Lavender Rose

Orange

Rose Bicolor

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".

Orange Bicolor - AAS Winner

NEW Yellow Red Heart

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. Subject to seed availability.

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".

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

Red

Red with Eye - bright red with large white eye Twister™ Red - unique bicolor Red and White

White - pure white

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

Mix Spirit - mix of red, white, and blue

Verbeng 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

Vinca



Cora® Classic Red - An F1 hybrid. The first vinca from seed that is genetically resistant to aerial phytophthera. Thick green glossy foliage with 21/2-3" flowers, maintains a uniform habit and flowering time. Likes full sun. Height 14-16".



STOCK HOT CAKES MIX





VERBENA OBSESSION **BLUE WITH EYE**



OBSESSION PINK



OBSESSION RED



OBSESSION RED WITH EYE



OBSESSION TWISTER RED



OBSESSION WHITE



OBSESSION MIX SPIRIT



OBSESSION MIX BERRY TART



PINK SHADES





OBSESSION CASCADE TWISTER VIOLET



VINCA CORA CLASSIC RED



CORA XDR APRICOT



CORA XDR DEEP



CORA XDR HOTGENTA



CORA XDR LIGHT PINK



CORA XDR MAGENTA HALO



CORA XDR ORCHID



CORA XDR PINK HALO



CORA XDR POLKA DOT



CORA XDR ROSE PUNCH



CORA XDR WHITE



CORA CASCADE XDR POLKA DOT



CORA XDR MIX



CORA CASCADE XDR PUNCH



CORA CASCADE XDR



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

Deep Strawberry

Hotgenta

Light Pink

Magenta Halo

Orchid

Pink Halo

Polka Dot

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

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.

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".

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

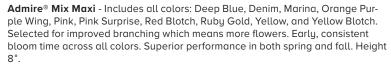
Orange - color will lighten in high light and temperatures

Papaya

Tangerine

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

Viola *****



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".

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 11/4-11/2" 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 Spring Select - grower-friendly mix for spring or fall crops



PACIFICA XP POLKA DOT



PACIFICA XP REALLY RED



PACIFICA XP MIX



TATTOO BLACK CHERRY



TATTOO BLUEBERRY



TATTOO ORANGE



ΤΑΤΤΟΟ ΡΑΡΑΥΑ



TATTOO MIX AMERICAN PIE



Zinnia elegans

Cut & Come Again & - Cut & Come Again 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".



NEW Belize Double Mix - An interspecific Zinnia with a noticeably more compact habit than its competitors. Nice branching habit. It's extremely floriferous, has excellent heat tolerance, and is early flowering. Lovely double flowers includes Orange (Fleuroselect Novelty), Rose (Fleuroselect Novelty), Scarlet (Fleuroselect Gold Medal), White, and Yellow. Height 6-8". Width 9-12". Garden height 8-14". Garden width 12-18".

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 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 & COME AGAIN



DREAMLAND MIX



MAGELLAN MIX



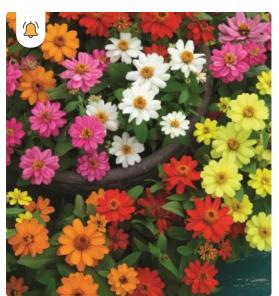
QUEENY LIME ORANGE



SHORT STUFF MIX



ZESTY MIX



BELIZE DOUBLE MIX



PROFUSION CHERRY BICOLOR



PROFUSION ORANGE



PROFUSION RED



PROFUSION RED YELLOW BICOLOR





PROFUSION YELLOW



PROFUSION MIX



PROFUSION DOUBLE DEEP SALMON



PROFUSION DOUBLE FIRE



PROFUSION DOUBLE HOT CHERRY



PROFUSION DOUBLE YELLOW



PROFUSION DOUBLE MIX



ZYDECO CHERRY



ZYDECO DEEP YELLOW

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

Hot Cherry - AAS Winner, non-fading

Yellow

Mix

 $\mathbf{Zydeco}^{\mathsf{m}}$ - 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 land-

Cherry

Deep Yellow





edibles

VEGETABLES / HERBS

LAVENDER LADIVA VINTAGE VIOLET / P 105

M. this







PAGE

STRAWBERRY

Summer Breeze Rose

Summer Breeze Rose features semi-double flowers that give way to sweet, large strawberries. Perfect for hanging baskets or window boxes. 102

TOMATO

WonderStar Red

WonderStar Red tomatoes
offer heirloom quality with
high disease resistance. Early
maturing and high yielding, they
produce bright red flavorful fruit.
Perfect for patio containers.

103

BASIL

Pesto Perpetuo

Basil Pesto Perpetuo boasts green leaves with white edges. Nonflowering and perfect for pesto, it serves as both an ornamental and culinary plant with a robust, lemony flavor.

VEGETABLES

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

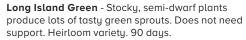
Broccoli 🌞

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.

NEW Purple Magic - 2024 AAS Winner - The world's first purple-stemmed broccoli. Features large dome-shaped heads with tight beads. It has great flavor, is stress and heat tolerant, and can be eaten raw, roasted, steamed, or stir-fried. 90 days.





Cabbage 🌞

NEW Expectation - An improvement over Expect. Produces fresh green heads that retain taste, color, and quality during long-term storage. Yields dense, round, and uniform 5-9 lb heads. Notably heat tolerant, easy to trim, and highly productive. An excellent choice for the commercial grower. Good thrips tolerance. 100-110 days.

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

NEW Red Jewel - Yields 3-5 lb heads with a deep red color and a short core. High yielding and early maturing. Suitable for fresh consumption, cooking, canning, or pickling. 75 days.

Stonehead - Early, round heads with excellent holding. 2-21/4 lb heads. Yellow resistant. 50 days.

Cauliflower 🌞

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

Celery 🎇

NEW Tango - Produces tender, smooth stalks ideal for raw consumption, soups, stews, or flavoring various recipes. Leaves are suitable for salads or garnishing. Early and heavy yield. 80 days.



BROCCOLI GYPSY



BROCCOLI PURPLE MAGIC



BROCCOLI LIEUTENANT



BRUSSELS SPROUTS LONG ISLAND GREEN



CABBAGE FAST VANTAGE



CABBAGE EXPECTATION



CABBAGE STONEHEAD



CABBAGE RED JEWEL



CAULIFLOWER SNOW CROWN



CELERY TANGO



EGGPLANT HANSEL



EGGPLANT CLASSIC



KALE SCOTCH BLUE CURLED



LETTUCE BLACK SEEDED SIMPSON



LETTUCE BUTTERCRUNCH



LETTUCE MESCLUN



LETTUCE NEW RED FIRE



LETTUCE PARRIS ISLAND COS



ONION CANDY



ONION RED CARPET



SWEET SPANISH

Eggplant **

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

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.

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.

Lettuce 🎇



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

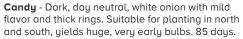
Great Lakes 659 - Iceberg type lettuce with outstanding tip-burn resistance. Good in cool or warm conditions. Produces solid, large, dark green heads. Slow to bolt. 80-90 days.

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.

NEW New Red Fire - Dark red ruffled leaf lettuce resistant to heat and cold. An early maturing lettuce that is slow to bolt. 55-60 days.

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

Onion 💥



NEW Red Carpet - Produces globe-shaped bulbs with vibrant red skin up to 3-4" with rounded shoulders. Color permeates through the interior layers. Stores well. 115 days.

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



LETTUCE GREAT LAKES 659

Pepper **

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

NEW Better Belle V - Offers upgraded disease resistance. Green to red sweet bell pepper with outstanding color and high yields. Perfect for slicing, stuffing, or baking. The 4-lobed fruits measure 4 x 5". 75 days.

NEW Bhut Jolokia - (Also known as "Ghost") One of the hottest chili peppers. Originating from India, this gnarled 2 1/2-3 1/2 x 1-1 1/2" chili pepper has pungent red fruits on 18-48" plants. 100-120 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.

California Wonder - This 1928 introduction is still the largest open-pollinated, heirloom bell pepper you can grow. A perfect stuffing pepper - blocky, 4 x 3.5", thick-walled, tender and flavorful. 75 days.

Candy Cane Chocolate Cherry - Ripens from green/white striped to unique chocolate and cherry stripes. F1 hybrid. This sweet non-bell pepper has variegated foliage and is perfect for containers or in ground, with or without support. The 31/2-33/4 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).

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 34" wide. 67-72 days.

Cubanelle - Produces large 7½" by 2½" 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.

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

Habanero Orange - Very hot! Lantern shaped fruits are thin-walled, maturing from light green to golden orange. 2" long by 11/2" wide. Fruits can

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 11/2" by 11/4". Plant height 10-18". 95 days.

Hot Hungarian Wax - (Hot Banana) - Light yellow fruits mature to dark red. $5\frac{1}{2}$ " by $1\frac{1}{2}$ " tapered fruits. Popular for canning. Compact. Height 24". 70 days.

Hungarian Cheese Mix - 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.



PEPPER ANAHEIM



PEPPER BETTER BELLE V



PEPPER BHUT JOLOKIA





PEPPER CALIFORNIA WONDER

PEPPER CAROLINA REAPER



PEPPER CANDY CANE CHOCOLATE CHERRY



PEPPER CAYENNE LONG THIN



PEPPER GOLDEN CALIFORNIA WONDER







PEPPER CUBANELLE



PEPPER HABANERO ORANGE



PEPPER HABANERO RED



PEPPER HOT HUNGARIAN WAX



PEPPER HUNGARIAN CHEESE MIX



PEPPER JALAPENO M



PEPPER JALAPENO LA BOMBA II



PEPPER KING OF THE NORTH



PEPPER LADY BELL



PEPPER NEW ACE HYBRID



PEPPER ORANGE BLAZE

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

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.

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.

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.



Carolina Reaper	1,400,000 - 2,200,000
Trinidad Scorpion	1,200,000-2,000,000
Bhut Jolokia (Ghost)	855,000 - 1,042,000
Habanero Red	150,000 - 350,000
Habanero Orange	100,000 - 350,000
Cayenne Long Thin	30,000 - 50,000
Tabasco	30,000 - 50,000
Hot Hungarian Wax	5,000 - 10,000
Jalapeno M	2,500 - 8,000
Red Cherry Hot	2,500 - 5,000
Jalapeno La Bomba II	1,000 - 5,000
Wild Cat	500 - 1,500





NEW Prism - A sweet "midi" bell pepper, sized between mini and standard bell peppers. Ideal for stuffing, fresh salads, and recipes requiring small sweet pepper portions. Harvestable at any maturity stage for a multicolored mix on each plant. Matures from light green to orange to red. Height 20-30". Width 12-18". 60-65 days to green, 75-80 days to full ripeness.

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. 1½" by 1½" fruits. 75 days.

NEW Red Impact - AAS Winner. Easy to grow, sweet bell pepper with thick walls, loaded with fruit. The dark red 7" fruits are uniform in shape and size, weighing up to 9 oz. Height 28-36". 75 days.

Red Knight X3R - An early green to red sweet bell pepper with large blocky fruit measuring $4\frac{1}{2}$ " by $4\frac{1}{2}$ ". Turns red early and is fruity and sweet in flavour. 65-70 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.

NEW Trinidad Scorpion - A chili pepper with a strong burn. The wrinkled, lantern-shaped 2 x 11/2" fruit starts green and matures to deep red. 90 days.

NEW Wild Cat - AAS Winner. Yields extra-long, 8-12" cayenne peppers with thick, fleshy walls on a strong, compact, high-yielding plant. Approximately 20-25 fruits per plant with a great smoky flavor and peppery sweetness. Height 36-42". 75 days.

Physalis 🌞

NEW Little Lanterns - Also known as Ground Cherry. The fruit resembles a tomato inside a papery husk, starting pale green and maturing to golden yellow. High pectin content makes them ideal for preserves or pies. Also great for planters and garden borders with good weather tolerance. 70 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.



PEPPER PRISM



PEPPER PURPLE BEAUTY



PEPPER RED CHERRY HOT



PEPPER RED IMPACT



PEPPER RED KNIGHT X3R



PEPPER SWEET BANANA



PEPPER TRINIDAD SCORPION



PEPPER TABASCO



PEPPER WILD CAT



PHYSALIS LITTLE LANTERNS



SIMPLY SALAD SUMMER PICNIC MIX



STRAWBERRY BERRIES HILL MONTANA



STRAWBERRY BERRIES HILL TOSCANA



STRAWBERRY DELIZZ



STRAWBERRY SUMMER BREEZE ROSE



STRAWBERRY SUMMER BREEZE CHERRY BLOSSOM



STRAWBERRY SUMMER BREEZE SNOW



TOMATO AMISH PASTE



TOMATO BEEFMASTER



TOMATO BETTER BOY PLUS



TOMATO BIG BEEF PLUS

Strawberries



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.

Montana - white blossoms

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.

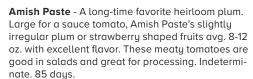
Summer Breeze - This is one you will want to try! Sensational, semi-double flowers give way to abundant gourmet, sweet, large fruits. Beautiful in hanging baskets or window boxes. Day-length neutral. One plant is capable of producing up to a pound of fruit in a season. Harvest 6-10 weeks from transplant. Zones 3a-11.

Cherry Blossom - cherry/pink flowers

NEW Rose

Snow - white flowers

Tomato 🎇



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 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 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 Red - 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.

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.

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 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 Plus - One of the earliest varieties on the market just got better! This early slicing tomato yeilds 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.

Heartbreaker® Vallery 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 3.5 - Large, tasty, paste tomato on vigorous plants. 5-8 oz. fruits, Determinate. Disease resistance = A, St, N, V, F. 76 days.



TOMATO BRANDYWINE RED



TOMATO BURPEE BIG BOY



TOMATO BUSH EARLY GIRL



TOMATO CAROLINA GOLD



TOMATO CELEBRITY PLUS



TOMATO CHEROKEE PURPLE



TOMATO EARLY GIRL PLUS



TOMATO FANTASTICO



TOMATO HEARTBREAKER VALLERY RED



TOMATO HEIRLOOM RAINBOW BLEND



TOMATO JET STAR



TOMATO LA ROMA 3.5



TOMATO MOUNTAIN MERIT



TOMATO PARK WHOPPER



TOMATO PATIO



TOMATO RED PROFUSION



TOMATO SUGAR RUSH



TOMATO RED GRAPE



TOMATO RUTGERS 250



TOMATO SUN SUGAR



TOMATO SUPER SWEET 100

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.

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 3/4 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 250 - 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. 3/4-11/4" 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.

NEW WonderStar Red - Heirloom quality with high disease resistance. Yields 8-10 oz. bright red fruit with excellent flavor. Early maturing and high yielding. Suitable for raised beds, patio containers, and small spaces. Requires some support. Determinate. Resistant to late blight and septoria leaf spot. 60-65 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

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





TOMATO SWEET MILLION



TOMATO WONDERSTAR RED



TOMATO YELLOW PEAR

TOMATO uses guide

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

Bush Early Girl

Carolina Gold

Celebrity Plus

Fantastico

Heartbreaker®

La Roma 3.5

Mountain Merit

Patio

WonderStar Red

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 Sun Sugar
Rapunzel Super Sweet 100
Red Grape Sweet Million
Red Profusion (trailing) Yellow Pear
Sugar Rush

Paste

Amish Paste La Roma 3.5

Heirloom Non-hybrid

Amish Paste Heirloom Rainbow
Brandywine Red Rutgers 250
Cherokee Purple Yellow Pear
Early Girl Plus

Patio/Container

Patio

Beefsteak

Beefmaster Carolina Gold Big Beef Plus Jet Star

Largest Fruits

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

Late Blight Resistance

Fantastico Mountain Merit



BASIL AMETHYST



BASIL ARISTOTLE



BASIL CRIMSON KING



BASIL DOLCE FRESCA



BASIL EVERLEAF GENOVESE



BASIL EVERLEAF LEMON



THAI TOWERS

BASIL EVERLEAF



BASIL PESTO PERPETUO



BASIL PROSPERA ACTIVE AYA





BASIL TRYBASIL

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, Greek ornamental with rounded, compact habit. Beautiful in containers. Aromatic, easy to harvest. Height 10-12". Annual.

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. 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 in Italian dishes, and with tomatoes and pasta. Height 8-12". Annual.

NEW Everleaf Lemon (Ocimum basilicum) - A hybrid lemon basil offering lemon flavor for dressings, marinades, or salads. Flowers up to 8 weeks longer than standard basil. Highly branched, upright plant suitable for containers or in-ground planting. Height 24-36". Width 8-12". Annual.

Everleaf Thai Towers (Ocimum basilicum var. thursiflora) - 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 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.

NEW Pesto Perpetuo (Ocimum basilicum) - Features green leaves with white edging. Serves as both an ornamental and culinary plant with a robust, lemony flavor. Non-flowering, ensuring abundant harvests. Ideal for pesto. Height 36-48". Width 8-16". Annual.

T BREEDER APPROVED TAGS REQUIRED

NEW Prospera Active Aya (Ocimum basilicum) -Dark shiny leaves on uniform semi-compact plants. Suitable for container growth. Highly resistant to downy mildew. Height 15". 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.



Chinese Broadleaf (Allium tuberosum) - 14-16" deep green leaves are broad and thick with mild flavor. Great for Chinese dishes or stir fry. Perennial. Zones 3a-10b.

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.

Cilantro 🌞



NEW Santo (Coriandrum sativum) - A fast-growing plant with broad, celery-like stems, perfect for bunching. Slow to bolt, allowing for later harvests. Sharp scent and taste ideal for salsa, Mexican, and Asian dishes. Height 12-24". Width 12-18". Annual.

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 repellant, 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 🎇

NEW Dukat - Features dark green, finely cut leaves. Holds longer than other varieties. Distinct aroma and flavor add depth to fish, vegetable, soup, or pasta dishes. Yields high foliage and large seed heads for pickling. Height 30-40". 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.

Fennel 3

Orion (Foeniculum vulgare dulce) - With its traditional licorice flavor, fennel reduces the oiliness of fish dishes such as mackerel and salmon, also useful in soups, salads, and stews. Fennel tea has medicinal uses for digestion. Height 4'. Zones 5-11.





CHIVES GARLIC



CHIVES CHINESE BROADLEAF

CHIVES ONION





CURRY TALL



CYMBOPOGON LEMON GRASS



DILL FERNLEAF



DILL DUKAT



FENNEL ORION



LAVENDER ANOUK DEEP ROSE



LAVENDER ANOUK PURPLE MEDLEY



LAVENDER BLUE SPEAR



LAVENDER MUNSTEAD



LAVENDER PLATINUM



LAVENDER SUPER BLUE



LAVENDER ELLAGANCE



LAVENDER HIDCOTE BLUE



LAVENDER LADIVA VINTAGE VIOLET



LAVENDER PRIMAVERA



LAVENDER INTERSPECIFIC PHENOMENAL



MARJORAM SWEET

Lavender 3



(Lavandula) Renowned for its exquisitely scented oils used in aromatherapy and 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 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.

NEW LaDiva Vintage Violet (L. anaustifolia) - A first year flowering English lavender with fragrant blue-purple blooms throughout the summer. Compact, upright habit. Attracts bees and butterflies. Height 14-20". Spread 10-12". Zones 4-8.

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.

NEW Platinum Blonde (L. angustifolia) - Green and yellow variegated foliage with purple blooms from late Spring through late Summer. Drought and heat tolerant. Deer resistant. Attracts bees and butterflies. Height 16-24". Width 16-18". Zones 6-9. Propagation prohibited.

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.

NEW SuperBlue (L. angustifolia) - Short flower spikes with a rich blue color. A mounded plant with fragrant flowers blooming from late Spring through late Summer. Excellent winter hardiness and landscape performance. Better than Hidcote Blue, more compact. Deer resistant. Height 10-12". Width 10-12". Zones 5-8.

Lavender interspecific **

Phenomenal (L. x intermedia) 🚱 - A robust cross with winter hardiness, 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.

T BREEDER APPROVED TAGS REQUIRED

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 patio pots. Leaves are used for medicinal or herbal teas. Garden height 12-14". Spread 20-24". Zones 4-9.





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. Zones 3-9.

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.

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".

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



Aureum (Origanum vulgare) - 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.



MELISSA LEMON BALM



MINT APPLE



MINT CHOCOLATE





MINT KENTUCKY COLONEL



MINT MOJITO



MINT PEPPERMINT



MINT PINEAPPLE



MINT ORANGE



MINT SPEARMINT



MINT STRAWBERRY



OREGANO AUREUM



OREGANO GREEK



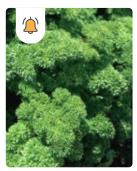
OREGANO HOT 'N SPICY



OREGANO ITALIAN



OREGANO VARIEGATED



PARSLEY FOREST GREEN



PARSLEY GIANT OF ITALY



ROSEMARY BARBECUE



ROSEMARY COMMON



ROSEMARY GORIZIA



ROSEMARY OFFICINALIS



ROSEMARY PROSTRATUS



ROSEMARY TUSCAN BLUE



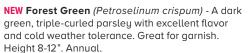
SAGE BERGGARTEN

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

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 🌞



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 potently 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, graygreen 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.



lcterina (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 purpurescens) - 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.



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.



SAGE ICTERINA



SAGE PURPLE



SAGE TRICOLOR

SAGE PINEAPPLE



STEVIA SWEETLEAF



SATUREJA INDIAN MINT

TARRAGON FRENCH



THYME GOLDEN LEMON



THYME LEMON



THYME PINK CHINTZ



THYME SILVER EDGED



THYME VULGARIS ENGLISH



THYME VULGARIS FRENCH



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 🎇

Golden Lemon (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 4". Zones 6a-9b.

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 serpyllym) - 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.

vulgaris 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.

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.







liners

ROOTED CUTTINGS

BEGONIA HIEMALIS MACARAZZ / P 117

Management







PAGE

BEGONIA

MacaRouge

MacaRouge offers bright red blooms with dark green leaves. Perfect for full sun, this compact, mounded begonia is ideal for pots, hanging baskets, and mixed containers. 138

GERBERA

Garvinea® Sweet Blaze

Sweet Blaze boasts pollinatorfriendly, long-stemmed blooms. It flowers all season and is highly resistant to heat, cold, and pests. Perfect for pots and gardens. 151

PETUNIA

Painted Love™ Purple

Painted Love Purple features a unique bicolor flower pattern. Tested for outstanding garden resilience and flower stability all summer long.



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!





ALSTROEMERIA INCA HOLLAND P114







BEGONIA FRAGRANT FALLS PEACH P116



BEGONIA VERMILLION RED P118



BIDENS GIANT SUN FRANCISCO P118



BEGONIA SOLENIA YELLOW P118

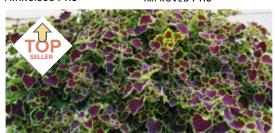
BIDENS WHITE DELIGHT



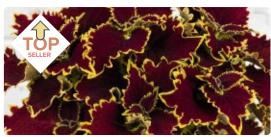
BRACTEANTHA GRANVIA GOLD **P119**



CALIBRACHOA CHAMELEON ATOMIC ORANGE P122



COLEUS GREAT FALLS NIAGARA P125



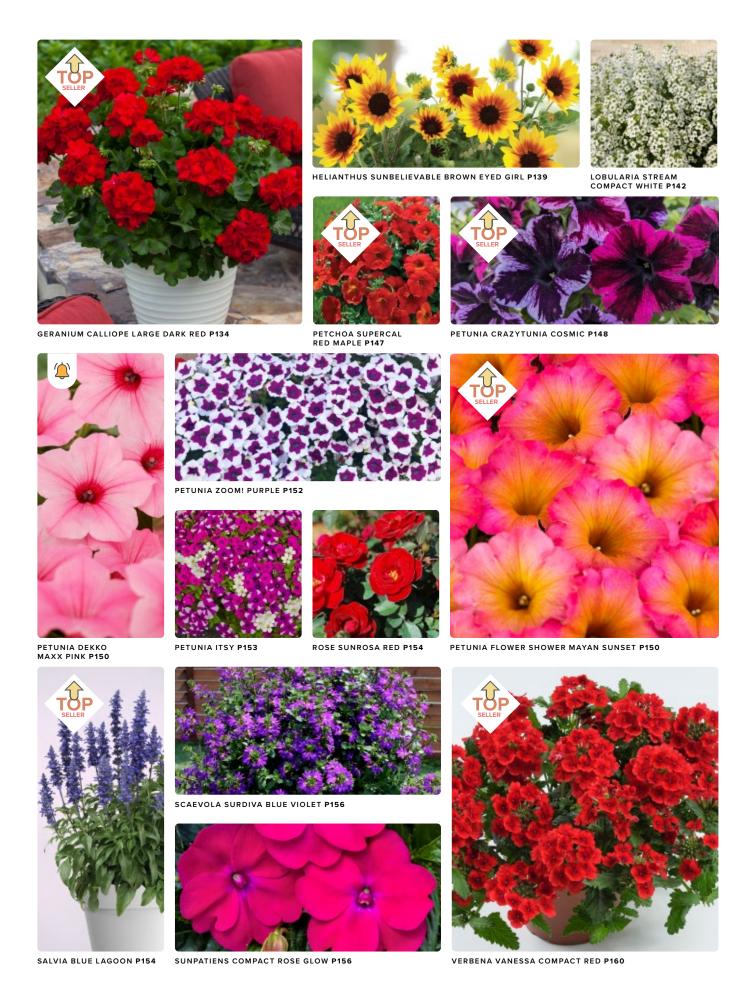
COLEUS STAINED GLASSWORKS CROWN JEWEL P126



COLEUS MAIN STREET BEALE STREET **P125**



EUPHORBIA STARBLAST SNOWDRIFT P131



LINERS

Acalypha 🐁

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 🎇

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 resistant. Pull spent flowers from the base for a reflush of color. Height 16-18". Spread 16-24". Zones 7-10. Propagation prohibited.

NEW Aurelia

Bandit - red with black whiskers

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

NEW Candy

NEW Holland

Husky - peach, apricot and lemon blooms with chocolate freckles

NEW Magic

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".

NEW Big Bicolor Pink

Big Bicolor Purple

Big Blue

Big Dark Pink

Big Grape

Big Snow



ACALYPHA CHENILE



AGERATUM PARK MAJORELLE



ALSTROEMERIA INCA BANDIT



ALSTROEMERIA INCA AURELIA



ALSTROEMERIA INCA BATAVIA



ALSTROEMERIA INCA HOLLAND



ALSTROEMERIA INCA CANDY



ALSTROEMERIA INCA HUSKY





ANGELONIA ALONIA BIG **BICOLOR PURPLE**



ANGELONIA ALONIA **BIG BLUE**



ANGELONIA ALONIA **BIG BICOLOR PINK**



ANGELONIA ALONIA



ANGELONIA ALONIA



ANGELONIA ALONIA



ANIGOZANTHOS BUSH PEARL



ANIGOZANTHOS **BUSH RANGER**



ANIGOZANTHOS TENACITY



ARGYRANTHEMUM SUNNY SPRING



ARGYRANTHEMUM GRANDAISY DARK PINK



ARGYRANTHEMUM GRANDAISY PINK HALO



ARGYRANTHEMUM GRANDAISY RED



GRANDAISY WHITE



ARGYRANTHEMUM GRANDAISY YELLOW



DOUBLE INDIGO





SCOPIA GREAT REGAL BLUE



SCOPIA GULLIVER BLUE

Anigozanthos 🎇



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

Bush 🚱 - Plant in 1-2 gallon pots or in your garden. Works well for long-lasting cut flowers! Attracts bees, birds, and butterflies. Mature size: foliage reaches 10-24" tall and 10-18" wide, flower stems up to 24" tall.

Pearl

Ranger

NEW Tenacity

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 2-3" 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 Grandaisy Pink Halo - An upgrade with more vigorous plants, larger blooms, and more vivid unique colors with a dark center

Red - red with yellow center ring

White - white

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

Bacopa - Sutera 🌞



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

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.

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

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

Begonia x hybrida 🎇 🌥

Fragrant Falls® Peach - Produces an abundance of large, peachy/yellow 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.

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 - 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.

Dark Salmon

Hot Pink

Red

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 pompom flowers

Mango - gold/orange blooms with red stems

Rose - rose-pink flowers on moss green

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



SCOPIA GULLIVER



SCOPIA GULLIVER



SCOPIA GULLIVER



SCOPIA GULLIVER PINK



SCOPIA GULLIVER WHITE



FRAGRANT FALLS PEACH



SWEETSPICE APPLEBLOSSOM



BEGONIA BEAUVILIA DARK SALMON



BEGONIA BEAUVILIA HOT PINK







BEAUVILIA YELLOW



BELLECONIA HOT ORANGE



BELLECONIA MANGO



BELLECONIA ROSE



BELLECONIA SOFT ORANGE



BLITZ





DARK BRITT



CARNEVAL



CARMEN RED



CATRIN



CHLOE CORAL PINK



ESMAY PEACH



EVI BRIGHT PINK



MACARAZZ



GLORY BICOLOR



RHODEE PINK

Begonia - hiemalis 👟 🗻



"Shady collection" 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

Blitz - yellow

Borias - bicolor pink

Britt Dark - eyecatching dark and light orange double flowers. Provide some shade.

Carneval - fiery orange-yellow bicolor

Begonia - hiemalis 🎇 👛





"Sun tolerant 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".

NEW Bonny Red

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

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 MacaRazz

NEW MacaRouae

Rhodee Pink - Stunning pink and rose fully double flowers.



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

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.

Bidens ******

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

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

NEW Flames - Compact, upright. Height 10-12".

Glory - bicolor red and yellow

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

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 $^{\text{\tiny{M}}}$ - 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".

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. NEW Yellow Sunshine - Mounded habit. Height 12-14". Spread 14-16".

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. Continous 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.



SOLENIA APRICOT



SOLENIA LIGHT PINK



SOLENIA RED



SOLENIA RED ORANGE

SOLENIA DARK PINK



SOLENIA SCARLET



SOLENIA YELLOW



VERMILLION HOT PINK



VERMILLION RED



BIDENS BLAZING FLAMES



BIDENS BLAZING GLORY



BIDENS BLAZING STAR



BIDENS BLAZING RING OF FIRE



BIDENS GOLDEN EMPIRE



BIDENS PRETTY IN PINK



BIDENS SPICY ELECTRIC WHITE



BIDENS WHITE DELIGHT



BIDENS YELLOW CHARM



BRACHYSCOME FRESCO PURPLE



BRACTEANTHA COTTAGE BRONZE



BRACTEANTHA COTTAGE ORANGE



BRACTEANTHA GRANVIA CRIMSON SUN



BRACTEANTHA GRANVIA GOLD



BRACTEANTHA GRANVIA PINK



CALENDULA CHEERS

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

Orange

Rose

Yellow

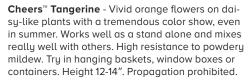
Granvia - Impressive, huge 3-5" blooms feel like crispy paper. Mildew resistant. These vigorous plants are best grown in gallons or larger. Perfect for containers, large patio pots, gardens and landscapes. Not recommended for smaller pots. These guys are heavy drinkers! Height 18-30". Spread 18-24".

Crimson Sun

Gold - yellow flowers with centers that turn orange with maturity

Pink - bubblegum pink. Smaller flowers and vigor.

Calendula 🌞





BIDENS YELLOW SUNSHINE

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.

Aloha Kona 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".

Orange

Strawberry

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

Chili Pepper

Peach Grenadine

Rose Quartz

Tiki Pink

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

Glamorous

Midnight - blue flowers with deeper blue ring

Sunny Side - white with yellow throat

Yellow - bright yellow

NEW Caliloco - A collection that groups unique flower colors and fun patterns from current varieties plus many new varieties into a class of its own! Like the petunia series "Crazytunia", it offers a diversity of selections for Calibrachoas! Mounding, trailing habit. Height 8-10". Width 12-15".

Caramel

Dracula

NEW Frankenberry

NEW Graffitti

NEW Mirage™

Skywalker™

NEW Spicy Honey

NEW Starfire Blue





ALOHA KONA HULA



BLOOMTASTIC ROSE QUARTZ



BLOOMTASTIC TIKI PINK



CALIBASKET GLAMOROUS



CALIBASKET MIDNIGHT



CALIBASKET SUNNY SIDE



CALIBASKET YELLOW



CALILOCO CARAMEL



CALILOCO DRACULA



CALILOCO FRANKENBERRY



CALILOCO GRAFFITTI

CALILOCO SKYWALKER



CALILOCO MIRAGE





CALILOCO SPICY HONEY



CALILOCO STARFIRE ROSE



CALILOCO STARFIRE BLUE



CALITASTIC BALLERINA



CALITASTIC BRIGHT RED



CALITASTIC BUTTER



CALITASTIC CAPPUCCINO



CALITASTIC ICE BLUE



CALITASTIC MANGO



CALITASTIC MERRY CHERRY



CALITASTIC NOBLE BLUE



CALITASTIC PAPAYA



CALITASTIC PUMPKIN SPICE



CALITASTIC RASPBERRY



CALITASTIC VIOLACEOUS



CALITASTIC WHITE



CANDY SHOP BAG OF TRIX



CANDY SHOP FANCY BERRY



CANDY SHOP GRAPE SPLASH



CANDY SHOP SWEET DREAMS

NEW Starfire Orange

NEW Starfire Rose

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™

Bright Red

Butter - yellow

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

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 viens

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.

Fancy Berry

Grape Splash - lilac with white splashes

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



CALIBRACHOA CALILOCO STARFIRE ORANGE

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

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 orangepeach 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".

Bling Exotic Red - beautiful dark red with vibrant yellow star

Bling Purple - purple with yellow star

Cherry Lace - bicolor cherry and white flowers with a lacy pattern

Dark Lavender

Purple Spark

Tangerine

Eyecatcher - Compact, incredibly uniform series. 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".

NEW Purple

NEW Rose

Sunspot

 $\textbf{Eyeconic}^{\scriptscriptstyle{\text{\tiny{M}}}}$ - An outstanding plant with an aggressive growing habit making it ideal for large containers or baskets. Large flowers with a semitrailing habit, very showy. Will flower under 10-hour day-length.

Apricot - light apricot shading with deep reddish/orange centers and small yellow eye





CHAMELEON ATOMIC



CHAMELEON FROZEN ICE



BLACKBERRY PIE



CHAMELEON PINK DIAMOND



CHAMELEON SUNSHINE BERRY



CHAMELEON TART DECO



COLIBRI BLING EXOTIC RED



COLIBRI BLING PURPLE



COLIBRI CHERRY LACE



COLIBRI DARK LAVENDER





EYECATCHER SUNSPOT



EYECATCHER PURPLE

EYECONIC APRICOT



COLIBRI PURPLE SPARK

EYECATCHER ROSE





EYECONIC CHERRY BLOSSOM IMPROVED



EYECONIC PURPLE



EYECONIC STRAWBERRY



LIA BUBBLEGUM



LIA CHILLI PEPPER



LIA DARK RED



LIA GLAZE



LIA MELON



LIA PINK SPARK



LIA SKY BLUE



LIA SPARK LAVENDER



LIA VIOLET



LIA YELLOW IMPROVED



NOA BLUE LEGEND



NOA DARK PINK CARNIVAL



NOA YELLOW

Cherry Blossom Improved - soft pink shading with cherry centers and a small yellow eye

Purple - light blue rims and dark blue centers **Strawberry**

Lia[™] - 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″.

NEW Abstract Lemon Cherry

Bubblegum - pink

NEW Chili Pepper - Yellow eye. Very good mildew tolerance, great habit.

Dark Red - clear dark red

Glaze - white

Melon - orange/apricot shades

Pink Spark

NEW Sky Blue

NEW Spark Lavender

Violet

Yellow Improved

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

Yellow - striking, deep yellow flowers. Semi-trailing. Medium habit.



GROWING TIPS

CALIBRACHOA

Calibrachoas 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.

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

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".

Blue 2023

NEW Crystal

Orange

Rose 2024

Calibrachoa Double **



* AVAILABLE IN CANADA ONLY

Candy Shop™ Double Bubble Gum - A double flowered calibrachoa with a semi-trailing habit. Early 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 🌞



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

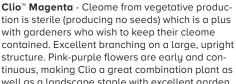
Orange - orange plumes, green leaves

Red - red plumes, green leaves

Scarlet - scarlet red plumes, dark leaves

Yellow - yellow plumes, green leaves

Cleome 3



well as a landscape staple with excellent garden performance. Suitable for pots from 5" on up. Height 15-20". Propagation prohibited.



OMBRE PINK



OMBRE SUNRISE



TIKTOK BLUE 2023



TIKTOK CRYSTAL



TIKTOK ORANGE



TIKTOK ROSE 2024



CANDY SHOP DOUBLE **BUBBLE GUM**



CELEBRATION DOUBLE BLUE



CELEBRATION DOUBLE DARK RED



CELEBRATION DOUBLE YELLOW



CHAMELEON DOUBLE



CELOSIA KELOS FIRE ORANGE, LIME, RED, SCARLET, MAGENTA, YELLOW, & KELOS ATOMIC PURPLE



CLEOME CLIO MAGENTA



COLEUS ALABAMA SUNSET



COLEUS DEFIANCE



DOWNTOWN NYC NIGHTS



DOWNTOWN ROYALTY



GREAT FALLS IGUAZU



GREAT FALLS NIAGARA



GREAT FALLS ROSE GOLD



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

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 Sunset - Rusty splotches over lime. Height 18-24".

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.

NYC Nights

Royalty

Santa Monica

Great Falls® - Great Falls features a spreading habit, particularly nice in hanging baskets and combos. Height 4-6" with spread of 12". Propagation prohibited

NEW Iquazu - A little more compact and brighter than Niagara.

Niagara - Burgundy-red with green edge NEW Rose Gold - More vigorous than Niagara.

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.

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

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

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.

> Crown Jewel 2024 - rich red with chartreuse margins. Height 8-14".

NEW Golden Gate

Velvet - lime green with burgundy margins. Height 14-28".

Talavera™ - A colorful series that will maintain color and patterns for both sun and shade. Late flowering. Medium vigor on bushy, mounding, upright habit are good for landscapes. Height 14-36". Width 12-18". Propagation prohibited.

NEW Chocolate Velveteen

NEW Moondust

NEW Pink Tricolor

Cuphea 🎇

hyssopifolia Cupheasy 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.

ignea 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.



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

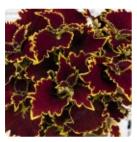


MAIN STREET VENICE BOULEVARD



MAIN STREET WALL STREET





STAINED GLASSWORKS CROWN JEWEL 2024



STAINED GLASSWORKS VELVET



STAINED GLASSWORKS GOLDEN GATE





TALAVERA CHOCOLATE VELVETEEN



TALAVERA MOONDUST



TALAVERA PINK TRICOLOR



CUPHEA HYSSOPIFOLIA CUPHEASY LAVENDER 2024



CUPHEA IGNEA HUMMINGBIRDS LUNCH



DAHLIA HYPNOTICA CANDY CORN



HYPNOTICA ELECTRIC PINK



HYPNOTICA LAVENDER



HYPNOTICA LEMON SWIRL



HYPNOTICA ORANGE



HYPNOTICA PINK BICOLOR



HYPNOTICA RED



HYPNOTICA ROSE BICOLOR



HYPNOTICA TEQUILA SUNRISE



HYPNOTICA TROPICAL BREEZE 2024



HYPNOTICA YELLOW 2022

Dahlia 🌞

NEW Café au lait • One of the most popular dahlia cut flowers on the market. Elegant, decorative 8-10" flowers, creamy petals with hints of peach, and soft pink, creates the illusion of creamy coffee, hence Cafe au Lait! Dark green foliage, vigorous upright habit on strong stems are perfect for cut flowers or in your gardens. They will bloom mid-summer to first frost. Height 24-48". Width 18-24".

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.

NEW Candy Corn - medium, vigorous.

Electric Pink - early, medium, vigourous

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

Tequila Sunrise - early flowering, medium vigor

Tropical Breeze 2024 - 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.



DAHLIA CAFÉ AU LAIT

Karma 😵 - Gorgeous, vibrant blooms on strong, sturdy stems make them a perfect choice for cut flowers. This series offers a mix of flower types on upright habits that will bloom late spring - summer. Height 36-48". Width 18-24".

NEW Blue Lagoon

NEW Caroline

NEW Naomi Mahogany Red

NEW Sangria Pink Yellow Bicolor

LaBella® Grande - Note: 'Fun' vareities are the unique and striking bicolors within all LaBella® series. 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 Coral

Fun Caramel

Fun Red White

NEW Fun Sunrise

NEW Fun Orange Bicolor

NEW Pink

NEW Purple

NEW Red

NEW Yellow

LaBella® Maggiore - The biggest of the Labellas, the Maggiore series produces intense colors and giant blooms measuring 41/2-61/2" 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 Pomegranate

Fun Flame - yellow centers with scarlet/red

Fun Rose Bicolor - white centers, rose tips

Purple - purple

Red Ruffle

NEW Yellow

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.

Fun Flame

Fun Golden Eye - yellow with dark orange

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

Fun Raspberry



KARMA BLUE LAGOON





KARMA NAOMI MAHOGANY RED



KARMA SANGRIA PINK YELLOW BICOLOR



LABELLA GRANDE FUN CARAMEL



LABELLA GRANDE **FUN RED WHITE**



LABELLA GRANDE CORAL



LABELLA GRANDE YELLOW



LABELLA MAGGIORE **FUN POMEGRANATE**



LABELLA GRANDE FUN SUNRISE



LABELLA GRANDE FUN ORANGE BICOLOR



LABELLA MAGGIORE FUN FLAME



LABELLA GRANDE PINK



LABELLA MAGGIORE FUN ROSE BICOLOR



LABELLA GRANDE PURPLE



LABELLA GRANDE RED



LABELLA MAGGIORE RED RUFFLE



LABELLA MAGGIORE PURPLE



LABELLA MAGGIORE YELLOW



LABELLA MEDIO FUN ORANGE FLAME



LABELLA MEDIO FUN FLAME



LABELLA MEDIO FUN GOLDEN EYE



LABELLA MEDIO FUN PINK FLAME



LABELLA MEDIO FUN PINK WITH EYE



LABELLA MEDIO FUN PINK BLUSH



LABELLA MEDIO FUN RASPBERRY

Fun Rose Fun - deep rose with brushed white petals surrounding the yellow crown

Fun Yellow Blush - white and yellow

Orange

Red

Yellow

MegaBoom - Massive flowers grow on shorter penduncles 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.

> Passion Fruit - coral pink/yellow Raspberry Ice

Diascia 🎇 🌦

Heat tolerant.



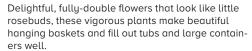
Graceful plants display elegant, open flowers, similar to the open snapdragon varieties. Masses of brightly colored blooms make these plants useful for many applications...baskets, pots, combination planters, and window boxes. Flowers all summer. Can be grown cool once roots are established.

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.

Grace

Sunset - red/orange

Double Impatiens



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





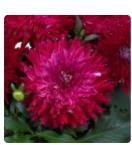




LABELLA MEDIO RED



LABELLA MEDIO YELLOW



MEGABOOM RASPBERRY ICE



MEGABOOM PASSION FRUIT



DIASCIA TRINITY GRACE



DIASCIA TRINITY SUNSET



DOUBLE IMPATIENS MUSICA BICOLOR DARK RED



MUSICA BICOLOR PINK



MUSICA ELECTRIC PURPLE



MUSICA ELEGANT RED



MUSICA LAVENDER



MUSICA PINK AROMA



ECHIBECKIA BLAZING FIRE





EUPHORBIA STARBLAST SNOWDRIFT



ECHIBECKIA YELLOW



EVOLVULUS BEACH BUM BLUE



EVOLVULUS HAWAIIAN BLUE EYES

Lavender - solid lavender. New breeding! Pink Aroma - rich pink

Echibeckia 🌞



Summerina®- An exciting hybrid with the appearance of rudbeckia combined with the vigor and disease tolerance of echinacea! Height 18-24". Spread 12-20". Zones 7-9.

T BREEDER APPROVED TAGS REQUIRED

NEW Blazing Fire

NEW Sunreef

NEW Yellow - Will streak reddish-brown in the hottest part of the summer or in temperature drops.

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.

Snowdrift -double, white blooms

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.



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



FLYING SCOTSMAN



GARTENMEISTER



MAORI MAID



MARINKA



MILLENIUM



ROCKET FIRE



ROYAL MOSAIC



SOUTHGATE



SWINGTIME



CHERRY NIGHT



GERANIUM VANCOUVER CENTENNIAL



CALDERA PINK



CALLIOPE CASCADE VIOLET

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

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: rosered. Double flowers. Propagation prohibited.

Geraniums - Brocade 🌞



Night - Semi-double flowers, distinctive bronze leaves with green margins. Height 12-14". Spread 12-14". Propagation prohibited.

NEW Cherry - AAS Winner

NEW Fire

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.

Caldera™ - A vigorous, spreading geranium with vibrant single flowers and dark foliage will stand up all summer long. Caldera is a perfect choice for pots, hanging baskets, landscapes, and mixed containers with its spreading habit for all heat tolerant applications. Pollinator friendly. Height 10-14". Width 20-24". Propagation prohibited.

NEW Pink

NEW Red

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.



Calliope® Large - The No. 1 interspecfic 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

NEW Dark Salmon

Hot Rose - medium vigor

Lavender Mega Splash - vigorous

Lavender - vigorous

Magenta - vigorous

Pink - very vigorous

Red - vigorous

Rose Mega Splash - medium vigor

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.

Crimson Flame

Dark Red

Hot Pink

Hot Rose

Pink Flame

Rose Mega Splash - compact

Salmon

Violet

White

White Splash

Mojo[™] - A striking combination of gorgeous, large flowers on dark green foliage, very well-branched with medium vigor, and upright habit. Flowers bloom midspring through summer. Mojos are an ideal choice for 1.25 quarts up to 5 gallon pots or hanging baskets. Heat loving and bee friendly. Height 12-16". Width 12-16". Propagation prohibited.

NEW Cranberry Splash

NEW Dark Pink

NEW Dark Red

NEW Magenta

NEW Orange

NEW Salmon

NEW White

NEW White Splash

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[™] - 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



CALLIOPE LARGE BURGUNDY



CALLIOPE LARGE



CALLIOPE LARGE DARK SALMON



CALLIOPE LARGE HOT ROSE



CALLIOPE LARGE LAVENDER MEGA SPLASH



CALLIOPE LARGE LAVENDER



CALLIOPE LARGE MAGENTA



CALLIOPE LARGE PINK



CALLIOPE LARGE RED



CALLIOPE LARGE ROSE MEGA SPLASH



CALLIOPE LARGE WHITE



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 consisently 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™ - Produces a plant 8-10" tall from a single-shoot liner. Single-shoot liners can be grown on in a 41/2"-51/2" 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

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 aarden.

> 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.

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



ELEGANCE BURGUNDY



ELEGANCE CLARET



ELEGANCE IMPERIAL



ELEGANCE PURPLE MAJESTY



ELEGANCE RED VELVET



ELEGANCE ROSE BICOLOR



ELEGANCE ROYALTY WHITE



AROMA BUNNY BRUNCH



AROMA LADY PLYMOUTH



SCENTED LEMONA



DARKO BLUE



DARKO DEEP RED



DARKO NEON PURPLE



DARKO PINK



DARKO SALMON



DARKO SPANISH WINE ROSÉ





FLOWER FAIRY RED SPLASH



FLOWER FAIRY VIOLET



FLOWER FAIRY WHITE SPLASH



GLITTER ORANGE



GLITTER PINK



PATRIOT BRIGHT RED



PATRIOT BRIGHT VIOLET



PATRIOT CHERRY ROSE IMP



PATRIOT EVENING GLOW



PATRIOT LAVENDER BLUE



PATRIOT RED



PATRIOT ROSALINDA



PATRIOT SALMON



PATRIOT TICKLED PINK



PATRIOT WATERMELON



PATRIOT WHITE



ROCKY MOUNTAIN DARK RED



ROCKY MOUNTAIN



ROCKY MOUNTAIN LAVENDER

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

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.

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".

T BREEDER APPROVED TAGS REQUIRED

Blood Orange Hot Pink

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 21/2 -31/2" 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.

Majestic Yellow

NEW Sweet Blaze

NEW Sweet Maggie

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 51/2-6" 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

Glorious Light Pink

NEW Glorious Orange

Glorious Purple - purple with dark eye

NEW Monte Viso

Painted Desert® - yellow/orange bicolor with dark eye



ROCKY MOUNTAIN ORANGE



ROCKY MOUNTAIN SALMON



ROCKY MOUNTAIN VIOLET



ROSALIE ANTIQUE SALMON



TALL DARK & HANDSOME BLOOD ORANGE & HOT PINK



GERBERA GARVINEA MAJESTIC BURGUNDY



GARVINEA MAJESTIC PURPLE



GARVINEA MAJESTIC YELLOW



GARVINEA SWEET BLAZE



GARVINEA SWEET MAGGIE



GARVINEA SWEET MEMORIES



GARVINEA SWEET SPARKLE



GARVINEA SWEET SUNSET



PATIO DAINTREE



PATIO GLORIOUS LIGHT PINK



PATIO GLORIOUS ORANGE



PATIO GLORIOUS PURPLE



PATIO MONTE VISO



PATIO PAINTED DESERT



PATIO PINNACLES



PATIO VOLCANOES



GYPSOPHILA SUMMER SPARKLES



HELIANTHUS SOL SEEKER BEE YELLOW



HELIANTHUS SOL SEEKER GOLDEN NECTAR



HELIANTHUS SUNBELIEVABLE BROWN EYED GIRL



HELIANTHUS SUNFINITY DOUBLE YELLOW



HELIANTHUS SUNMAZING



HELIOTROPE MIDNIGHT SKY



JAMESBRITTENIA STARDOM GOLDSTAR

Pinnacles® - red with a black center Volcanoes® Imp - fiery red/orange bicolor with dark eye

Gypsophila 🌞



Helianthus 🌞



Sol Seeker - Bring sunshine into your life! Masses of extra, large, cheery flowers on an upright, compact habit will brighten your day. Need long days to bloom. Lower water needs than other varieties on the market. Deer resistant. Heat tolerant. Height 28-36". Spread 24-36". Propagation prohibited. Refer to important cultural tips in our cultural

NEW Bee Yellow

NEW Golden Nectar

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 Sunfinity® Double Yellow - A gorgeous double sunflower on a bushy, upright habit shows fabulous continuous color all season long from mid-spring through summer. Pollinator friendly. Use in 2 1/2 quarts and up to large patio pots or in landscapes. Height 32-40". Width 24-30". Propagation prohibited.

T BREEDER APPROVED TAGS REQUIRED

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 througth Fall. Attracts bees, butterflies and hummingbirds. Plant in borders or as an edging. Height 10-12". Spread 10-12".

Jamesbrittenia 🌞



Stardom™ Goldstar - 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". Propaagtion prohibited.

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.

NEW Bandolero™ Lemon - Large blooms on a vigorous habit are great for large containers or landscapes, they complement the Heartland series due to similar spread. They work well in northern regions that need more vigor and southern areas that enjoy big, showy containers. Heat and drought tolerant. Pollinator friendly. Height 18-24". Width 18-24". Propagation prohibited.

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 2025

Pink Sky

Red Sky

Sunset

Sunshine

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 2025

Neon

Orange

Really Red 2025

Sunrise 2025

White 2025

Hot Blooded Red - A vigorous, mounding, and well-branched lantana that is perfect for gardens and containers. Will turn orange in some enviromental 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 Pink

Red

NEW Yellow - Top performer

New Gold - Golden yellow, compact, mounded.

Trailing Lavender - "Lavender weeping", very trailing.



LANTANA BANDOLERO



LANTANA CONFETTI



HAVANA CHERRY



HAVANA HARVEST MOON 2025



HAVANA PINK SKY



HAVANA RED SKY



HAVANA SUNSET



HAVANA SUNSHINE



HAVANA YELLOW



HEARTLAND BLUE MOON 2025



HEARTLAND NEON



HEARTLAND ORANGE



HEARTLAND REALLY



HEARTLAND SUNRISE 2025



HEARTLAND WHITE 2025



HOT BLOODED RED



LANTANA LANDSCAPE BANDANA PINK





LANDSCAPE BANDANA YELLOW



NEW GOLD



TRAILING LAVENDER



LOBELIA GLOW ELECTRIC BLUE



HOT BLUE



HOT BRILLIANT BLUE



HOT SNOW WHITE



HOT WATER BLUE



HOT+ AQUA



HOT+ BLUE WITH EYE



HOT+ DARK BLUE



HOT+ ELECTRIC PURPLE



HOT+ PRETTY HEAVEN



HOT+ WHITE





LOBELIA HOTPOT DARK BLUE LOBELIA HOTPOT LIGHT BLUE

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.

Glow® - Beautiful compact, mounded habit, with excellent heat tolerance. Suitable for landscapes, pots, and baskets. Height 8-10". Width 12-14".

NEW Electric Blue

NEW White Lightning

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

HotpoT - Full sun! Genetically compact, mounded habit perfect for small pots, combinations, and landscapes. Outstanding summer garden performance, heat tolerant. Height 8-12". Width 12-14".

NEW Dark Blue **NEW Light Blue**



NEW Jolly® Delft Blue - A lobelia that will catch your eye! Delft Blue shows a lighter blue with pure white variegation. They are heavily branched, mounding plants perfect for quarts, gallons, and hanging baskets or landscapes. Heat tolerant. Height 8-12". Width 12-14".

↑ ★ JOLLY FARMER EXCLUSIVE!

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 - eyecatching variegated blue and white Purple - lovely variegated purple and white

Lobularia 🎇 🌦



Propagation prohibited. **NEW Purple**

NEW Rose

NEW Violet

NEW White

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



* JOLLY FARMER EXCLUSIVE! LOBELIA JOLLY DELFT BLUE



RIFT PURPLE



LOBULARIA STREAM COMPACT PURPLE





LOBULARIA STREAM COMPACT VIOLET



LOBULARIA STREAM COMPACT ROSE



LOBULARIA STREAM COMPACT WHITE



LOPHOSPERMUM LOFOS



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**



NEMESIA ESCENTIAL BLUEBERRY CUSTARD



NEMESIA ESCENTIAL ELDERBERRY CREAM



NEMESIA ESCENTIAL RASPBERRY LEMONADE



NEMESIA ESCENTIAL **7** A **7** 7 I FRERRY



NEMESIA NESIA BANANABERRY



NEMESIA NESIA BURGUNDY



NEMESIA NESIA DENIM



NEMESIA NESIA INCA



SNOW ANGEL



NEMESIA NESIA TANGERINE



NEMESIA NESIA TROPICAL

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

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.

Escential™ - 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".

BREEDER APPROVED TAGS REQUIRED

Blueberry Custard - bicolor violet/blue and yellow

NEW Elderberry Cream

Raspberry Lemonade - bicolor raspberry and yellow

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

NEW Denim - More compact

Inca - deep yellow

Snow Angel - white, larger habit

NEW Tangerine

Tropical



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.

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.

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

Roller Coaster - Large frilly, double blooms atop dark green foliage. This series has outstanding garden perfomance 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

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

NEW Orange

NEW Pink

Red

Ultra Violet

White





SOL LUNA ORANGE



SOL LUNA PRIME LIGHT SALMON



SOL LUNA PRIME RED



SOL LUNA PRIME WHITE



ORIGANUM BELLISSIMO



OSTEOSPERMUM **GELATO ALMOND**



GELATO APRICOT



GELATO CANDY PINK



GELATO CRANBERRY



GELATO PASSION



GELATO PINEAPPLE



GELATO PINK SURPRISE



GELATO PRUNE



GELATO RASPBERRY

Sol Luna Prime™ - An outstanding mounding series that will finish 5-7 days earlier, uniform performance in both habit and finish time for pots, ground cover, or landscapes. Wilt recovery ability gives them a longer shelf life. Use in both sun or shade. Height 14-16". Width 12-14".

NEW Light Salmon

NEW Orchid

NEW Peach

NEW Red

NEW 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".

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



SOL LUNA PRIME ORCHID & PEACH

 $\textbf{Osticade}^{\scriptscriptstyle{\text{\tiny{M}}}}$ - Vibrant flowers on sturdy, compact plants, ideal for early spring sales. Semi-trailing, suitable for hanging baskets, with good heat tolerance.

Aurora

Daybreak - trailing habit, large flowers with unique shades of peach, pink and yellow

Purple - trailing habit, medium size purple flowers

NEW Twilight Moon

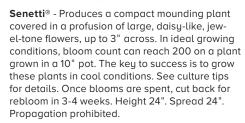
Yellow - trailing habit with light yellow flowers

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.

Pericallis 🌞



Magenta Bicolor - soft magenta with white ring around purple eye, medium vigor, early flowering

Violet Bicolor - purple with white ring around a dark purple center.

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

NEW Shocking Pink



OSTICADE AURORA



OSTICADE DAYBREAK



OSTICADE PURE WHITE



OSTICADE PURPLE



OSTICADE TWILIGHT MOON



OSTICADE YELLOW



PACHYSTACHYS LUTEA



PERICALLIS SENETTI MAGENTA BICOLOR



PERICALLIS SENETTI VIOLET BICOLOR



PETCHOA SUPERCAL BLUE



PETCHOA SUPERCAL ROSE



PETCHOA SUPERCAL ROYAL RED



PETCHOA SUPERCAL SHOCKING PINK



BORDEAUX





SUPERCAL PREMIUM CINNAMON



SUPERCAL PREMIUM **CARAMEL YELLOW**



SUPERCAL PREMIUM



SUPERCAL PREMIUM PEARL WHITE



SUPERCAL PREMIUM PURPLE DAWN



SUPERCAL PREMIUM RED MAPLE



PETCHOA SUPERCAL PREMIUM ROSE STAR



SUPERCAL PREMIUM SUNRAY PINK



SUPERCAL PREMIUM SUNSET ORANGE



SUPERCAL PREMIUM YELLOW SUN



PETUNIA AMAZONAS



AMORÉ FLUTTERING HEART



MORÉ HEART & SOUL



AMORÉ KING OF HEARTS



AMORÉ PINK HEART



AMORÉ PURPLE



AMORÉ QUEEN OF HEARTS



BLANKET DOUBLE SILVER SURPRISE



BLANKET SILVER SURPRISE

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

Red Maple - irredescent scarlet to orange alow

NEW Rose Star

Sunray Pink

Sunset Orange - shades of orange and

Yellow Sun - bright golden yellow with darker

Petunia *****

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".

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

Capella[™] - Controlled growth series, perfect for small pots up to hanging baskets. Large blooms, mounded habit. Height 10". Spread 12".

NEW Baby Pink

Burgundy

Cherry Vanilla - cherry pink with white skirt

NEW Fuchsia Lace

Hello Yellow - bright yellow

Indigo

NEW Magenta Diamond

NEW Mulberry

Pink Lace

NEW Pink Morn

Purple

Purple Veins

NEW Rim Raspberry

Rose

Ruby Red

NEW Salmon - Improved for 2025

NEW Sangria

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.

NEW Fantasy Hot Pink

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.

Purple Ice - purple-pink with deep purple centers. Semi-trailing.

 $\mbox{\bf Rim Cherry}$ - 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.

NEW Citrus Hill

Cosmic Pink - frilly looking flowers have deep pink centers that fade to white edges. Medium vigor with an upright, mounding habit.

Cosmic Puple - fluorescent pink and deep purple bicolor, vigorous, large flowered.

Cosmic Violet

Frisky Orange - orange w yellow star. Contains A1DFR gene (GMO).

 ${\bf Gingersnap}$ - ${\it Contains~A1DFR~gene~(GMO)}.$ Dark red with nearly black centers.

Moonstruck - dark mahogany, yellow, and lavender multicolor.

Pink Flamingo - pink with a yellow star.



CAPELLA BABY PINK



CAPELLA BURGUNDY



CAPELLA CHERRY VANILLA



CAPELLA FUCHSIA LACE



CAPELLA HELLO YELLOW



CAPELLA INDIGO



CAPELLA MAGENTA



CAPELLA MULBERRY



CAPELLA PINK LACE



CAPELLA PINK MORN



CAPELLA PURPLE



CAPELLA PURPLE VEINS



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.

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".

Banana - one of the best yellows on the market!

NEW Maxx Pink - Same wonderful performance as the Dekko series but with "Maxx" vigor, width, and trailing habit. This series is a must-have for landscapes. Pollinator friendly. Height 8-12". Width 24-36".

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".

Burgundy Star

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

Electric Lilac

Purple

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".

Flame

Golden Harvest - contains A1DFR gene (GMO)

Mayan Sunset - formerly Crazytunia

Ringo Star

White - best white on the market

NEW Fun House™ Peach Melba - Fun colors and patterns on a mounding, medium-vigorous habit will bloom early spring through summer. Use in quarts up to 5 gallons, hanging baskets, or patio containers. Height 10-14". Width 18-22".



CRAZYTUNIA RAZZMATAZZ



CRAZYTUNIA ROSE GOLD



CRAZYTUNIA RASPBERRY LEMONADE



DEKKO BANANA



DEKKO MAXX PINK



DEKKO WHITE



DOUBLE STUFF BURGUNDY STAR



DOUBLE STUFF VIOLET STAR



DURABLOOM BLUE VEIN



DURABLOOM ELECTRIC LILAC



DURABLOOM PURPLE



DURABLOOM ROYAL PINK



FLOWER SHOWER FLAME



GOLDEN HARVEST



FLOWER SHOWER MAYAN SUNSET



FLOWER SHOWER RINGO STAR



FLOWER SHOWER WHITE



FUNHOUSE PEACH MELBA



ORIGAMI WATERMELON



INFERNO THE RED



PAINTED LOVE PURPLE



PERFECTUNIA SUN



POWERHOUSE PURPLE



RAY CLASSIC BLUE



RAY BLACK



RAY PISTACHIO CREAM





RAY SUNFLOWER



RAY SUNSHINE

NEW Inferno The Red - An abundance of flowers cover a vigorous, horizontal branching habit. Performs best in containers. Height 6-8". Spread 12-18". Contains A1DFR gene (GMO).

Origami Watermelon - 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".

NEW Painted Love™ Purple - You'll love the unique bicolor purple and white shades of this dramatic plant. It has medium vigor and a mounding, trailing, spreading habit, making it ideal for hanging baskets, patio containers, or gardens. Also suitable for quarts, gallons, or mixed containers. The color intensifies in higher heat or light. Height 10-14™. Width 20-24™.

Perfectunia® Sun - 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".

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.

NEW Shadow

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 41/2" up to large containers, hanging baskets or ground covers.

Bolero Blue - blue and white

Magenta Mambo - magenta and white with soft yellow throat

NEW Moon Walk - Offers 3 different colors on the same plant.

Purple Polka - purple and white

Rumba Rose - pink and white

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® Pink - 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

NEW Surprise® Yellowstone Forever - 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".

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".

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".













SPLASH DANCE VIOLET VOGUE



SURFINIA HEAVENLY BLUE



SURFINIA SUMO PINK



SWEETUNIA FIONA FLASH



VERANDA DOUBLE SUGAR PLUM



ITSY MAGENTA



ZOOM! PURPLE



ITSY PINK



ITSY WHITE



LITTLETUNIA BRIGHT RED



LITTLETUNIA BLUE VEIN



LITTLETUNIA PINK



LITTLETUNIA ROSE



SHORTCAKE BLUEBERRY



LITTLETUNIA WHITE GRACE



PLUMBAGO DARK BLUE

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 21/2 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".

Magenta

Pink

White - a geat 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 midsized, 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".

> Blueberry 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 Double Magenta - 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

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".

NEW Golden Yellow

NEW Lavender

SeaGlass - A stunning choice of solid and bicolor portulacas, single or double flowers that will "Wow" your landscapes, hanging baskets, window boxes, or groundcovers. Excellent heat tolerance and drought tolerance. The wide array of colors will bloom all summer. Low spreading or trailing habit. Height 4-6". Spread 12-16".

Double Guava

NEW Limon

NEW Orange Shandy

NEW Pink

Pink Lady

NEW Plumberry

NEW Red

NEW Tangerine

Watermelon Punch

Rose *





Sunrosa® - Add beauty to your landscape with these outstanding roses! Beautiful 11/2 -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.

1 0 BREEDER APPROVED TAGS REQUIRED

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.

NEW Pure White

Sky Blue - two-tone blue



PORTULACA COLORBLAST DOUBLE MAGENTA



PORTULACA CUPCAKE UPRIGHT GOLDEN YELLOW



PORTULACA CUPCAKE UPRIGHT LAVENDER



PORTULACA SEAGLASS **DOUBLE GUAVA**



PORTULACA SEAGLASS LIMON



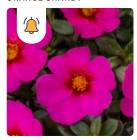
PORTULACA SEAGLASS ORANGE SHANDY



PORTULACA SEAGLASS PINK



PORTULACA SEAGLASS



PORTULACA SEAGLASS PLUMBERRY



PORTULACA SEAGLASS RED



PORTULACA SEAGLASS



PORTULACA SEAGLASS WATERMELON PUNCH



ROSE SUNROSA FRAGRANT PINK



ROSE SUNROSA ORANGE DELIGHT



ROSE SUNROSA RED



ROSE SUNROSA YELLOW DELIGHT



SALVIA SALLYFUN BLUE EMOTION



SALVIA SALLYFUN



SALVIA SALLYFUN SKY BLUE



SALVIA SALLYFUN WHITE



SALVIA GREGGII MIRAGE BLUE



SALVIA GREGGII MIRAGE





SALGOON LAKE BAIKAL



SALVIA SALGOON LAKE FLAMINGO



SANVITALIA TALYA GREAT YELLOW



SCAEVOLA PINK BLESSING



SCAEVOLA SCALORA



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.

NEW Blue

Cherry Red

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.

BREEDER APPROVED TAGS REQUIRED

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. Height 16-20".

Baikal

NEW Flamingo

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 "waxu" 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 Improved

NEW Fashion Pink

White

Touch $^{\text{\tiny{M}}}$ - 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

Blue Ice

Blueberry - light blue with dark veins and throat

Cherry Ice

Grape Ice - purple and white bicolor

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.

TO BREEDER APPROVED TAGS REQUIRED

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

Electric Orange

Hot Coral

Hot Pink - replacing Neon Pink

NEW Lavender

Lavender Splash

Orchid Blush

Purple

Purple Candy

Red

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 IMPROVED



SCAEVOLA SURDIVA FASHION PINK



SCAEVOLA SURDIVA WHITE SCAEVOLA TOUCH INDIGO





SCAEVOLA TOUCH WHITE



LADYSLIPPERS AZURE



LADYSLIPPERS BLUE ICE



LADYSLIPPERS BLUEBERRY



LADYSLIPPERS CHERRY ICE





Lavender Splash

Orange

Orchid

Peach Candy

Pink Kiss - pink bloom with red spot, green leaves

NEW Purple

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.

Arizona Brownie - Red/orange with black eye.

Lemon - Bright yellow 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 Gold

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".

Sun Pink 2025

Sun Red

Sun White 2024



VIGOROUS LAVENDER SPLASH



VIGOROUS ORANGE



VIGOROUS ORCHID

VIGOROUS PEACH CANDY



VIGOROUS PINK KISS

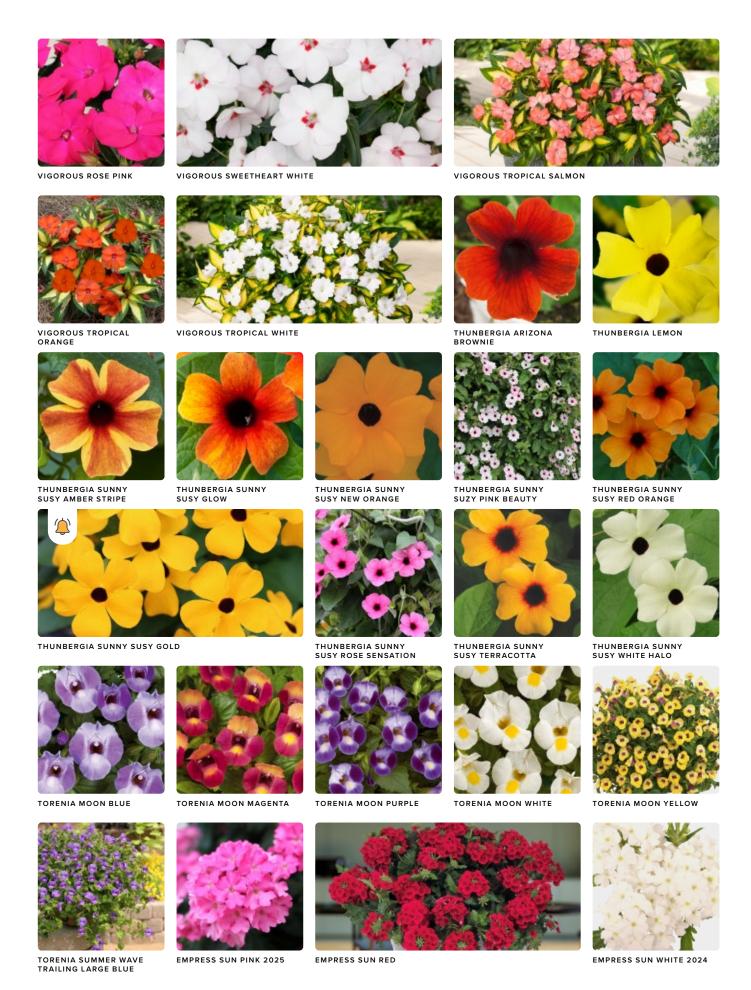


VIGOROUS PURPLE



VIGOROUS RED





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

 $\mathbf{Hurricane}^{\mathsf{\tiny{M}}}\mathbf{Red}$ - 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

NEW Bordeaux

Deep Pink

Lime

Red

Rosa

Violet

White





ESTRELLA BLUEBERRY

ESTRELLA DARK PURPLE





ESTRELLA LOBSTERFEST

ESTRELLA MERLOT







ESTRELLA PEACH

ESTRELLA PINK

ESTRELLA RED









ESTRELLA WHITE

VANESSA COMPACT DEEP PINK





VANESSA COMPACT BICOLOR PURPLE

VANESSA COMPACT LIME





VANESSA COMPACT BICOLOR ROSE

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 STANDARD MAGENTA



VANESSA STANDARD OPTIK GRAPE



VANESSA STANDARD PURPLE



VANESSA STANDARD RED



VANESSA STANDARD WHITE



VOODOO LAVENDER STAR



VOODOO PINK STAR



VOODOO RED 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

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

Red Star - red with vivid peachy-white star





foliage

FOLIAGE / FERNS / GRASS / SUCCULENTS

PEPEROMIA STRING OF TURTLES / P 179

This this







166

COLOCASIA

Redemption™

Redemption features stunning leaves that turn jet-black with neon pink centers as they mature.

Perfect for adding dramatic color to your garden.

167

CORDYLINE

Magic Star

Magic Star adds an exotic touch with its mix of green, white, pink, and deep red leaves. Compact and drought-tolerant, it adds character to any space.

173

SENECIO

Silvergleam

Silvergleam boasts soft serrated leaves in a silvery gray shade. Vigorous and drought-tolerant, it's ideal for large containers, providing beauty all season long.

FOLIAGE

Aglaonema 📥



NEW Pictum Tricolor - Compact plant featuring 4-8" x 2-3" oval leaves in a tricolor pattern of green, silver, and light green, giving a camouflage appearance. Height 1-2'.

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. Propagation prohibited.

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.

Begonia - Rex 选 🗻





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. 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



AGLAONEMA PICTUM TRICOLOR







ARTEMISIA MAKANA SILVER



ARTEMISIA SEA SALT

ALTERNANTHERA BRAZILIAN RED HOT



ARTEMISIA SUNFERN

ALTERNANTHERA



BEGONIA - REX BEWITCHED CHERRY



REGONIA - REX BEWITCHED NIGHT OWL



BEGONIA - REX BEWITCHED WHITE



BEGONIA - REX DIBS MIDNIGHT



BEGONIA - REX CURLY



BEGONIA - REX DIBS ROTHKO



BEGONIA-REX SHADOW KING BLACK CHERRY



REGONIA - REX SHADOW KING ROSE



CALATHEA DOTTIE



BEGONIA - REX SHADOW KING STRAWBERRY SHERBET



CALATHEA RED ROSEY



CALLISIA PINK PANTHER



CALATHEA ZEBRINA



CHLOROPHYTUM GREEN EDGE



CHLOROPHYTUM WHITE EDGE

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".

NEW Midnight - Displays near-black leaves with red undersides.

Rothko - dark purple around the edges with deep pink centers

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.

Black Cherry - cherry red outlined with thick black edges

Rose- pink with dark veins and edges

Strawberry Sherbet - striking rose centers with mint and green edging

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".

Dottie - Rich green/puple leaves are variegated with hot pink bands.

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.

Callisia 🌦



NEW Pink Panther® - Pink and green foliage characterizes this attractive houseplant. Its low-growing, trailing habit is perfect for hanging baskets, pots, or as a ground cover. Thrives in bright, indirect light. Height 4-8". Width 10-24".

Chlorophytum 选 🗻





"Spider Plant"

Green Edge - 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 - A beautiful spider plant with long areen-white striped leaves. A great indoor plant. Fast growing and easy to care for. Produces delicate white blossoms. Height up to 2'.

Colocasia



NEW Redemption™ - A class of it's own! The stunning leaves start out green, quickly turning jetblack, finishing off with neon pink veins expanding to the edges of the leaves as they mature. Deer resistant. Height 36-48". Propagation prohibited.

T BREEDER APPROVED TAGS REQUIRED

Royal Hawaiian® Collection - Plant Haven selections. A sensational collection from an internationallu acclaimed Colocasia breeder. 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. Propagation prohibited.

T BREEDER APPROVED TAGS REQUIRED

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 marain, matte finish and semiglossy 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 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 5th-6th leaf in the plant's structure. Height 24". Zone 7b.

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.



COLOCASIA REDEMPTION





COLOCASIA BLACK CORAL



COLOCASIA BLUE HAWAII



COLOCASIA DIAMOND HEAD



COLOCASIA HAWAIIAN PUNCH



COLOCASIA KONA COFFEE



COLOCASIA MAUI GOLD



COLOCASIA MAUI SUNRISE



COLOCASIA TROPICAL STORM



COLOCASIA WAIKIKI



CORDYLINE MAGIC STAR



CORDYLINE PASO DOBLE



CORDYLINE PURPLE DAZZLER



CORDYLINE RED SENSATION



DIDELTA SILVER STRAND



DIEFFENBACHIA CAMILLA





EUPATORIUM ELEGANT FEATHERS



FICUS LYRATA



DRACAENA MARGINATA



GERMAN IVY GREEN

NEW Magic Star - Adds an exotic feel to your gardens with a wonderful mix of colors: green with white edging that fades to pink and deep red at the base, displayed year-round. Compact, upright habit. Drought tolerant. Height 30".

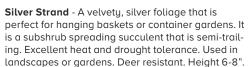
Paso Doble - Strong, upright trunking habit with broad, strappy leaves. Deep burgundy in color with wide pink margins. Height may reach up to 10 feet over several seasons.

BREEDER APPROVED TAGS REQUIRED

NEW Purple Dazzler - Features purple-black shiny leaves reaching 2" wide and 18" long. Height 3'.

Red Sensation - Bronze-red. Height 36".

Didelta 🌞



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".

Dracaena marginata



(Dragon tree) A tall plant with green, sword-like, red-edged leaves. This slow-growing tree can take a decade to reach a few feet tall but can eventually grow to about 20 feet. However, it is generally grown as a potted houseplant and kept pruned to 6 feet or less

NEW Bicolor - Green leaves with light pink margins **NEW Magenta** - Green leaves maturing to burgundy

Eupatorium 🎇 🌋



Elegant Feathers - 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!

Ficus 🌦



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 🎇 隆



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 graygreen 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

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.

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. Can be grown cool when established.

Licorice Icicles - long thin silvery leaves like little "icicles". More upright than 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.



GLECHOMA HEDERACEA



HEDERA ASTERISK



HEDERA GLACIER



HEDERA GOLD CHILD



HEDERA GOLDEN INGOT



HEDERA GRUNPEEII



HEDERA LUZII



HEDERA NEEDLEPOINT



HEDERA TEARDROP



HEDERA YELLOW RIPPLE



HELICHRYSUM LICORICE ICICLES



HELICHRYSUM LICORICE PETITE



HELICRYSUM LICORICE SILVER



HELICHRYSUM LIMELIGHT



HELICHRYSUM SILVER STAR



HOMALOCLADIUM RIBBONS AND CURLS



HYPOESTES LOTTY DOTTY PINK



HYPOESTES LOTTY



IPOMOEA ACE OF SPADES



IPOMOEA BLACKIE



IPOMOEA COMPACT MARGIE



IPOMOEA FLORAMIA CAMEO



IPOMOEA FLORAMIA LIMON



IPOMOEA FLORAMIA LIMON WEDGE



IPOMOEA FLORAMIA ROSSO





IPOMOEA KELLY RAY



IPOMOEA MARGUERITE



IPOMOEA TRICOLOR

Homalocladium * *



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".

Hypoestes 🎇



Lotty Dotty - This series showcases vibrant speckled colors, suitable for summer shade programs. Offers twice the vigor of seed varieties, good branching, and an upright habit. Ideal for containers, combination baskets, or landscapes. A long-day plant. Height 12-24". Width 12-24". Propagation prohibited.

NEW Pink NEW White

Ipomoea 🎇 🌥

"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.

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, spadeshaped 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.

Marquerite - 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 heartshaped leaves.

Lamiastrum 🌤



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.

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".

T BREEDER APPROVED TAGS REQUIRED

White Nancy - White flowers. Height 6-12".

Lysimachia 🌞



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.

T BREEDER APPROVED TAGS REQUIRED

Monstera 🎇 🌤



Deliciosa Liebm - 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 insuffient 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".



IRESINE RED HEART



IRESINE VARIEGATED HEART



LAMIASTRUM VARIEGATUM



LAMIUM BEACON SILVER



LAMIUM ORCHID FROST



LAMIUM WHITE NANCY



LYSIMACHIA NUMMULARIA KARAT



LYSIMACHIA SUNBURST



MONSTERA DELICIOSA LIEBM



MUEHLENBECKIA COMPLEXA



MUSA BASJOO



MUSA DWARF CAVENDISH



MUSA ENSETE MAURELII



OXALIS BURGUNDY



PEPEROMIA HAPPY BEAN





PEPEROMIA LEMON LIME



PEPEROMIA RAISINET



PERILLA TRICOLOR



PHILODENDRON HYBRIDA IMPERIAL RED



PHILODENDRON PINK PRINCESS



PHILODENDRON MINIMA



PILEA MICROPHYLA

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.

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.

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.

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 Lemon Lime - Thick, glossy foliage with round oval-shaped leaves with light and dark green colors. Height 4-6". Width 4-6".

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'.

NEW Pink Princess - Features unique, dark green foliage with vibrant pink variegation appearing as splashes, streaks, or covering entire leaves. Requires bright indirect light; direct sunlight may turn the pink to white and cause the plant to stretch. Arrow or heart-shaped leaves. A slow-growing, climbing or trailing plant that can be trained young. Height 3-4'. Width 1-2'.

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.

NEW microphyla (Artillery Plant) - Dense, bright green foliage on fine, branching stems creates a dense, moss-like appearance that spreads to form a lush carpet. Small flowers "shoot" pollen into the air, hence "artillary plant". Ideal for rock gardens, terrariums, or as a ground cover. Does not like full sun. Height 6-12". Width 6-24".

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".

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.

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.

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 🌦



pictus exotica - "Satin Pothos" - Slow growing but worth the wait! Thick, dark foliage with shimmery 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.







PLECTRANTHUS PURPLE





PLECTRANTHUS VARIEGATED





POTHOS HAWAIIAN



POTHOS MARBLE QUEEN



RHOEO TRICOLOR



SCINDAPSUS PICTUS





STROBILANTHES PERSIAN SHIELD



SETCREASEA PURPUREA



TRADESCANTIA NANOUK



SETCREASEA PURPUREA PURPLE QUEEN



TRADESCANTIA PISTACHIO WHITE



TRADESCANTIA PURPLE BRIDAL VEIL



TRADESCANTIA PURPLE



TRADESCANTIA TAHITIAN BRIDAL VEIL



TRADESCANTIA ZEBRINA BORDEAUX



VINCA MAJOR MACULATA



VINCA MAJOR VARIEGATED



VINCA MINOR ILLUMINATION



ATHYRIUM NIPONICUM JAPANESE PAINTED FERN



BLECHNUM SILVER LADY

Senecio 🌞 🌦

candicans Angel Wings - A sensational, rounded plant with large, broad, toothy, silvery white, velvety leaves. Use to create a bold backdrop to greenleaved 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.

NEW Silvergleam - Features soft serrated leaves in a silvery gray shade, appearing more green when wet. Vigorous, upright plants best used in large containers for long-season beauty and interest. Heat and drought tolerant. Deer resistant. Height 12-16". Width 12". Propagation prohibited.

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'.

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".

Nanouk - Light purple, green and white fleshy leaves.

Pistachio White - Heavy white variegation on green leaves

Purple - Purple leaves.

NEW Purple Bridal Veil - Dark purple leaves, tiny white flowers— similar habit to Tahitian Bridal Veil.

Tahitian Bridal Veil - Traditional, old fashioned Tradescantia with a spray of tiny white flowers forming the "bridal veil". Fast growing.

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 \boldsymbol{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.

T BREEDER APPROVED TAGS REQUIRED

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".

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.

Nephrolepis obliterata * -





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.

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.





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®.





BOSTON BLUE BELLS



BOSTON TRUE



COTTON CANDY



FLUFFY RUFFLES





EMERALD QUEEN



CALAMAGROSTIS BRACHYTRICHA



CAREX FEATHER FALLS



CAREX RED ROOSTER



CORTADERIA SELLOANA PINK



SELLOANA WHITE



CYPERUS LITTLE PRINCE



HAKONECHLOA AUREOLA



ISOLEPIS LIVE WIRE



JUNCUS BLUE ARROWS



JUNCUS BLUE DART



JUNCUS TWISTED ARROWS



JUNCUS TWISTER



LAGURUS OVATUS



MISCANTHUS SINENSIS

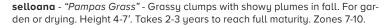


MISCANTHUS SINENSIS NEW HYBRIDS



MUHLENBERGIA CAPILLARIS RUBY

Cortaderia :



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".

T BREEDER APPROVED TAGS REQUIRED

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 🎇 🎏



Blue Arrows - "Rush" 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 - "Rush" 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 - "Rush" A real innovation - a mixture of Juncus Blue Arrows and Twister in the same plug for a "quick-mix" concept. Forms an eye-catching product for potted plants or mixed containers. Zones 5-9. Height 18-36". Fantasic 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®.

Lagurus ovatus 🎇



Hare's Tail - "Bunny Tails" - Annual 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.

Muhlenbergia 🦂



NEW capillaris Ruby - Clump-forming, warm-season perennial grass with attractive summer foliage and spectacular clouds of dark pink flowers. A North American native grass. Masses of airy, open, long dark pink to pink-red fower stems float above the foliage. Height 2-3'. Zones 6a-9b.

E P

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.

T BREEDER APPROVED TAGS REQUIRED

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.

T BREEDER APPROVED TAGS REQUIRED

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®.

SUCCULENTS



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".

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".

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".



PENNISETUM CHERRY SPARKLER



PENNISETUM SKY ROCKET



STIPA PONY TAILS





ALOE MITRIFORMIS



ALOE PINK BLUSH



APTENIA VARIEGATA



COTYLEDON SILVER PEAK



COTYLEDON TOMENTOSA BEAR HAND



CRASSULA CAMPFIRE



CRASSULA HOBBIT



CRASSULA OVATA MINOR



CRASSULA OVATA SUNSHINE



CRASSULA PERFORATA VARIEGATA





DELOSPERMA DELMARA FUCHSIA



DELOSPERMA DELMARA RED



DELOSPERMA DELMARA YELLOW



DELOSPERMA ECHINATUM GHERKIN



DELOSPERMA LEHMANNII



REEF CHOCOLATE



ECHEVERIA CORAL REEF PINK



ECHEVERIA CURLY RED

Cotyledon



NEW tomentosa Bear Hand (Bear's Paw) - Thick green hairy leaves with dark red edges resembling claws. Height 12". Width 24". Zones 9a-11b.

Crassula 🌞



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. Great for living wreaths, weddings, or indoor spaces. Garden height

ovata Sunshine - Branching succulent with stout stems. Rounded, glossy yellow, thick leaves may mature with reddish edges. Garden 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 31/2".

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. 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

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.

NEW lehmannii - Compact, dense succulent with thick, fleshy, gray-green leaves arranged in opposite stacking pairs. Yellow flowers in spring and summer. Height 8". Width 12". Zones 9b-11b.

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.

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

NEW Curly Red - Wavy leaves with a red outline.



Lilacina - Wide gray leaves with pointy ends.

NEW Macarena - Long, spiky leaves, green with red tinges.

NEW Magic Red - Wide leaves with pointed 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".

NEW nudolosa Red Line - Rosette formation, green leaves with dark red markings.

NEW pulidonis Bord Rose - Tight rosette, green with red edging.

Purple Perle von Nürnberg - Broad deep purple pointed leaves. More intense purple coloring than the others in this series.

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 - Delicate, rounded, florets of milky green.

Mixed - Our mix of several echeverias for your ordering convenience.

Gasteria 🎇 🗻



NEW Royal Wolfgang - Rosette formation with triangular-shaped deep green leaves, white speckles, and small tooth-like edges.

Graptosedum 🎇



NEW Purple - Purple to purple hues, varying with light. Compact leaves spiral around the stem, forming a rosette at the top. Star-shaped flowers in shades of pink, red, or white.

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".





ECHEVERIA LILACINA



ECHEVERIA MACARENA



ECHEVERIA MAGIC RED



ECHEVERIA MENSA



ECHEVERIA PURPLE PERLE VON NÜRNBERG



ECHEVERIA NUDOLOSA RED LINE



ECHEVERIA RED PRINCE



ECHEVERIA SUBSESSILIS BLUE



ECHEVERIA VERTIS



ECHEVERIA MIXED



GASTERIA ROYAL WOLFGANG



GRAPTOSEDUM PURPLE



HAWORTHIA LIMIFOLIA



HOYA KERRII SINGLE LEAF GREEN



HOYA KERRII SINGLE LEAF VARIEGATED



KALANCHOE DESERT ROSE



KALANCHOE TOMENTOSA SILVER



PEPEROMIA STRING OF TURTLES



LAMPRANTHUS **AUREUS ORANGE**



OROSTACHYS CHINESE HAT



PORTULACA MOLOKINIENSIS



SEDUM CHOCOLATE BALL



SEDUM CORAL REEF

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 🎇 🌥



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.

NEW tomentosa Silver (Panda Plant) - Dense, white, felt-like hairs covering the entire leaf with silver thick leaves and brown spotted tips.

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".

Orostachys 🎇



Chinese Hat - A hardy succulent perennial with cute 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 🌞



NEW String of Turtles - Features succulent leaves with a unique turtle-like pattern on a delicate vining plant. A beautiful cascading, spreading plant ideal for terrariums, hanging baskets, and planters. Height 5". Spread 12".

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

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 - Low carpet of rounded leaves, excellent for ground cover, fairy gardens, green roofs and rock gardens. Height 2-4". Spread 8-12". Zones 5-9.

Major - blue-gray leaves

NEW Pink - green-pink leaves

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.

NEW morganianum Donkey - Densely packed large, fleshy pale blue-green or gray-green pointed leaves spiral around the stem, resembling a donkey tail. Unique pink-red flowers wrapped by green leaves bloom in summer. Trails up to 2'.

NEW nussbaumerianum Yellow - Long fleshy leaves start yellow-green in shade, changing to coppery orange under full sun. A low-growing, spreading variety that produces small fragrant white flowers in spring. When mature, tends to sprawl and spill out of the pot. Height up to 8". Spread up to 18".

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.

> Firecracker - Shiny red foliage with bright pink blooms

Plum Dazzled - Dark purple foliage with cherry colored flowers

T BREEDER APPROVED TAGS REQUIRED

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.

NEW Voodoo - Very compact, well-branched plants that turn deep red in the sun. Bright rose blooms in the summer. Height 3-4". Width 10-15". Zones 3a-9b.

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.



SEDUM DASPHYLLUM MAJOR



SEDUM DASYPHYLLUM PINK



SEDUM LEMON BALL



SEDUM MORGANIANUM





SEDUM MAKINOI OGON



SEDUM NUSSBAUMERIANUM



SEDUM SIEBOLDII



SEDUM SUNSPARKLER FIRECRACKER



SEDUM SUNSPARKLER PLUM DAZZLED



SEDUM TURKISH DELIGHT



SEDUM VOODOO



SEDUM CREEPING WHAT A DOOZIE





SEDUM MIXED



SEMPERVIVUM SUNSET



SEMPERVIVUM COBWEB

SEMPERVIVUM SUPERSEMPS ONYX



SEMPERVIVUM ROYAL RUBY

SEMPERVIVUM MIXED



SENECIO BLUE CHALK FINGERS



SENECIO HERRIANUS PURPLE FLUSH



SENECIO ROWLEYANUS



SENECIO STRING OF BANANAS



SENECIO STRING OF DOLPHINS

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.

T BREEDER APPROVED TAGS REQUIRED

Mixed - Our assortment of Sempervivum for your ordering convenience.

Senecio 🌞 🗻



Blue Chalk Fingers - Dramatic texture plant with long, silvery blue, needle-like, succulent leaves. Upright habit reaches up to 24" tall. Hardy to zone 7 in the South.

Herrianus Purple Flush - An attractive, fast-growing, trailing succulent with long, narrow, banana-shaped foliage. Bright purple stems produce purple-red leaves in bright sun, reverting to green with purple blushing under low light. Reaches up to 3" tall before spilling over the pot.

rowleyanus - "String of Pearls" - A creeping, succulent vine with pearllike foliage. Vigorous and easy to reproduce. Poisonous if consumed. Height under 6" with massively long "strings of pearls". Not hardy.

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.



perennials

COLD HARDY PLANTS

this







185

BUDDLEIA

Chrysalis™ Steel Blue

Chrysalis Steel Blue boasts striking silver-blue flowers that bloom from spring to late summer. Compact, rain, and droughttolerant, it attracts butterflies and thrives in various conditions. 187

DIGITALIS

Arctic Fox™ Rose

Arctic Fox Rose produces pinkrose flowers throughout summer, attracting bees and butterflies. Winter hardy and blooms every year, ideal for various pot sizes. 102

HOSTA

Blue Ivory

Blue Ivory features blue-green foliage with ivory edges and purple flowers. Shade-tolerant and perfect for adding color to shaded garden areas.

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.

Fire

Yellow

Blooms early summer to late fall. Upright habit. Height 24". Spread 12-18". Zones 3-10.

Agastache 🌞

(ah-gas-TAH-kee) | "Anise Hyssop"

NEW Beelicious Pink 🚱 - Features large pink decorative flower spikes on strong, upright stems over a compact, bushy habit. Reblooms from June to October. Attracts pollinators like butterflies and bees. Suitable for containers, landscapes, or as ground cover. Height 32". Width 20". Zone 6a. Propagation prohibited.

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. Propagation prohibited.

Ajuga 🎇 👛



(a-JEW-gah) | "Bugleweed"

Tight 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.

T BREEDER APPROVED TAGS REQUIRED

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.

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.



ACHILLIA SKYSAIL FIRE



ACHILLEA SUMMER BERRIES





BETTERBUZZ AMBER



AJUGA BLACK SCALLOP



ALCEA PEACHES N DREAMS



ALCEA SPRING **CELEBRITIES MIX**



AQUILEGIA EARLY BIRD BLUE WHITE



AQUILEGIA EARLY BIRD RED WHITE



AQUILEGIA EARLY BIRD MIX



ARMERIA DREAMERIA VIVID DREAMS



ASCLEPIAS GAY **BUTTERFLIES MIX**



BELLIS HABANERA MIX



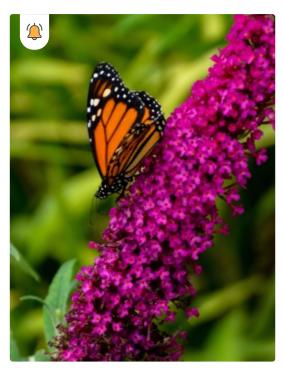
BRUNNERA FROSTBITE



BUDDLEIA BABY BUZZ CANDY PINK



BUDDLEIA CHRYSALIS STEEL BLUE



BUDDLEIA MONARCH QUEEN OF HEARTS

Aquilegia 🌦

(a-kwee-LE-je-ah) | "Columbine"

Beautiful, cup-shaped flowers surrounded by spur-shaped petals. Good for cutting and natural 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"

NEW Dreameria® Vivid Dreams 🚱 - Offers large deep purple blooms on a mounded habit. Blooms late Spring to Autumn. Heat and frost tolerant. Attracts butterflies and is deer resistant. Ideal for patio containers and landscapes. Deadhead for best performance. Height 10-12". Width 10-12". Zones 5a-9a. Propagation

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.

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.

T BREEDER APPROVED TAGS REQUIRED

NEW Chrysalis™ Steel Blue 🚱 - Boasts striking silver-blue flowers that bloom from Spring through late Summer. Attracts butterflies. Rain tolerant and drought tolerant once established. One of the most compact Buddleia series available. Height 20-28". Width 18-24". Zones 5a-9a. Propagation prohibited.

NEW Monarch Queen of Hearts 🚱 - Displays vibrant magenta-violet blossoms on 10-12" panicles. Fragrant flowers and scented foliage. Attracts Monarch butterflies, bees, and hummingbirds. Deer resistant. Heat, drought, and frost tolerant. Height 50-60". Width 54-78". Zones 5a-10a. 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

Double the Sun • Large semi-double bright yellow flowers are excellent in heat and drought. Ideal for quart and 1 gallon productions. Height 12-14". Spread 12-14". Zones 4-9.

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

Sunset Bright - medium sized, semi-double deep yellow flowers have a dark red ring around the center



CAMPANULA RAPIDO BLUE



CAMPANULA RAPIDO WHITE



CAMPANULA CHAMPION II



CAMPANULA CHAMPION II PINK



CARNATION GRENADIN MIX



CERASTIUM TOMENTOSUM



COREOPSIS DOUBLE



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



DELPHINIUM MAGIC **FOUNTAINS MIX**



DELPHINIUM PACIFIC GIANT BLACK KNIGHT



DELPHINIUM PACIFIC



DELPHINIUM RED LARK



DIANTHUS BARBARINI MIX



DIGITALIS ARCTIC FOX ROSE



DIANTHUS ROCKIN' RED



MOUNTAIN ROSE

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 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.

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 🚱 好 - F1 hybrid, summer-flowering series. Very uniform and "programable". 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.

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! Densly 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 gt - 2 gal containers. Do not allow to dry out.

Unlike a typical biennial, this plant blooms every year! Attracts bees, butterflies, and hummingbirds. Winter hardy for Northern growers, summer-long blooms for Southern growers. Suitable for 2 1/2 qt and 1 1/2 gal pot sizes. Height 18-24". Width 16-18". Zones 5a-9a. Propagation prohibited.

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. 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.

Strawberry Deluxe

NEW Watermelon Deluxe

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 Panama" Red - Showcases a 3" fiery orange-red flower on a compact, upright plant. Suitable for quart or gallon pots. Height 14-16". Width 14-16". Zones 5-7. Propagation prohibited.

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





DIGITALIS DALMATIAN



DIGITALIS DALMATIAN MIX



DIGITALIS FOXY



ECHINACEA CHEYENNE SPIRIT



ECHINACEA DOUBLE SCOOP STRAWBERRY DELUXE



ECHINACEA DOUBLE SCOOP WATERMELON DELUXE



ECHINACEA MAGNUS



ECHINACEA PANAMA RED



ECHINACEA POWWOW WHITE



ECHINACEA POWWOW WILD BERRY



ECHINACEA SOMBRERO LEMON YELLOW



ECHINACEA SOMBRERO SALSA RED



ECHINACEA SOMBRERO TRES AMIGOS



ECHINACEA SUNSEEKERS GOLDEN SUN



ECHINACEA SUNSEEKERS APPLE GREEN



ECHINACEA SUNSEEKERS

GAILLARDIA ARIZONA



ECHINACEA SUNSEEKERS



ECHINACEA SUNSEEKERS **PUMPKIN PIE**



ECHINACEA SUNSEEKERS SWEET FUCHSIA



ECHINACEA SUNSEEKERS TEQUILA SUNRISE



GAILLARDIA ARIZONA RED SHADES



GAILLARDIA ARIZONA SUN

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. Propagation prohibited.

Lemon Yellow - brilliant golden yellow

NEW Mandarin Mambo

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. Use in beds, borders, containers or mass plantings. Height 18-24". Spread 18-24". Zones 4-9. Propagation prohibited.

NEW Apple Green

Golden Sun

Mineola - orange/tangerine flowers with a large brown cone

NEW Pumpkin Pie

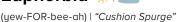
Salmon -

Sweet Fuchsia - fuchsia/pink petals with green cones that will darken with age

Tequila Sunrise - two-toned golden yellow with orange/red centers

Euphorbia 🎇 繿





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.

T BREEDER APPROVED TAGS REQUIRED

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

Red Starburst - yellow with red center

Gaura 🌞

(GAW-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.

T BREEDER APPROVED TAGS REQUIRED

Geranium 🌞

NEW Rozanne • Pretty blue flowers will continuously bloom June through October making these one of the longest blooming perennials in your garden. Use as border plants, in containers, landscapes or mass plantings. Heat tolerant. Bees love them. Deer and rabbit resistant. Height 15-20". Garden height 12-24". Width 24-36". Zones 5a-8b. Propagation prohibited.

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.



GAILLARDIA MESA BRIGHT BICOLOR



GAILLARDIA SPINTOP MARIACHI COPPER SUN



GAILLARDIA SPINTOP ORANGE HALO



GAILLARDIA MESA RED

GAILLARDIA SPINTOP RED



GAILLARDIA SPINTOP RED STARBURST



GAURA BALLERINA ROSE



GAURA BALLERINA WHITE



GERANIUM ROZANNE



GAURA PASSIONATE BLUSH



HELIOPSIS SUNSTRUCK





HEUCHERA CARNIVAL PLUM CRAZY



HEUCHERA CARNIVAL CINNAMON STICK



HEUCHERA CARNIVAL ROSE GRANITA



HEUCHERA CITRONELLE



HEUCHERA INDIAN SUMMER BLACKBERRY



HEUCHERA INDIAN SUMMER CHERRYBERRY



HEUCHERA INDIAN SUMMER MULBERRY



HEUCHERA INDIAN SUMMER ORANGEBERRY



HEUCHERA INDIAN SUMMER SILVERBERRY



HEUCHERA INDIAN SUMMER SPLASHBERRY



HEUCHERA MAGMA



HIBISCUS LUNA PINK SWIRL



HIBISCUS LUNA RED



HIBISCUS LUNA ROSE



HIBISCUS LUNA MIX

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

NEW Citronelle - Lime/yellow-green leaves on a compact habit, this vigorous, clump forming plant is a great choice for borders, rock gardens or as a ground cover. Mid-summer, taller sprays of small bell-shaped cream flowers appear adding another touch of color . Heat tolerant, shade tolerant. Height 6-10". Width 12-14". Zones 4a-9b.

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

Mulberry

Orangeberry

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 🌞



Not available to ship until week 6.

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





(HOS-tuh) | "Plantain Lily, Funkia"

NEW August Moon - Boasts thick, wide, oval heart-shaped leaves that transition from soft yellow-green to bright yellow depending on sun exposure. White flowers. Sun and partial shade tolerant. Height 18-20". Spread 28-30".

NEW Blue Angel - Has large heart-shaped, blue-green leaves with a puckered texture. Light lavender flowers. Shade-tolerant. Height 30-36". Spread 42-48".

NEW Blue Ivory - Eye-catching blue-green foliage with ivory-cream edges and purple flowers. Shade-tolerant. Height 18-20". Width 22-24".

NEW Fire and Ice - Features wavy white, heartshaped leaves with broad dark green margins and lavender flowers. Shade-tolerant. Height 18-20". Width 28-30".

NEW Minuteman - Exhibits wide, lightly cupped, sating green leaves with pure white edging and dark lavender flowers. Partial to full shade. Height 20". Width 30".

Hydrangea hybrida 选 🗻



(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"

NEW First Flush™ Grace 🚱 - Small, crisp white flower clusters cover a mounded habit. Early to flower - does not need vernalization. Suitable for quarts, gallons, patio pots, hanging baskets, landscapes, or ground cover. Height 6-8". Width 12-14". Zones 5-9. Propagation prohibited.

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.



HOSTA AUGUST MOON



HOSTA BLUE ANGEL



HOSTA MINUTEMAN



HOSTA BLUE IVORY



HOSTA FIRE AND ICE



HYDRANGEA GAME CHANGER PINK





KNIPHOFIA FLAMENCO MIX



LEUCANTHEMUM CRAZY DAISY



LEUCANTHEMUM SWEET DAISY IZABEL



IBERIS FIRST FLUSH GRACE



LEUCANTHEMUM BETSY



LEUCANTHEMUM MADONNA





LEUCANTHEMUM WHITE LION LIATRIS FLORISTAN VIOLET

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 21/2" 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 21/2-3" flowers with yellow centers. Will finish in quarts or large containers (using multiple plugs). Height 8-10". Spread 8-12". Zones 5-9.

Sweet Daisy Izabel 🚱 - Showcases beautiful, robust, and dense flowers that come early and stay late. The plants are naturaly compact and well branched. Height 12". Spread 12". Zone 3. 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 141/2 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 densly packed flower spikes. Height 12-18". Spread 16-18". Zones 4-8.

Blue Bicolor

Red

Yellow

Extra Mix



(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

Sugar Buzz Cherry Pops - Fragrant cherry/red flowers with upright, scented foliage is a magnet for bees, butterflies and hummingbirds. Very low maitenance, heat and frost tolerant. Deer resistant. Height 14-24". Spread 16-32". Zones 4-8. Propagation prohibited.

Myosotis *

(mu-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.



(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.

NEW Junior Walker™ €; - Lavender-blue flowers on a compact, mounded habit. Attracts bees and hummingbirds. Deer resistant. Heat and drought tolerant. Height 18". Width 30". Zones 4a-8b. Propagation prohibited.



LOBELIA STARSHIP SCARLET





LUPINUS GALLERY MINI RED



LUPINUS GALLERY



LUPINUS GALLERY MINI EXTRA MIX



MONARDA BALMY PURPLE



MONARDA BALMY ROSE



MONARDA SUGAR BUZZ CHERRY POPS



MYOSOTIS BELLAMY BLUE



NEPETA JUNIOR WALKER



PAPAVER BRILLIANT



PAPAVER PIZZICATO MIX



PAPAVER PRINCESS VICTORIA LOUISE



PEROVSKIA CRAZYBLUE



PHLOX BRIGHT EYES



PHLOX SUPER KA-POW CORAL





PHLOX SUPER KA-POW FUCHSIA



PHLOX SUPER KA-POW PINK



KA-POW WHITE

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

Pizzicato Mix - Dwarf mix of red, scarlet, orange, salmon, mauve, pink, and white. Height 20". Zones

Princess Victoria Louise - Beautiful salmon pink. Height 30". Zones 3-7.

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.

Bright Eyes - Soft pink flowers with prominent hot pink eye. Height 36". Zones 4-8.

Super Ka-Pow[™] 🚱 - Showcases vibrant colors on super-sized blooms with excellent branching. Blooms from late spring through summer. Attracts bees, butterflies and hummingbirds and is rabbit resistant. Low maintenance with powdery mildew resistance. Recommended for 1 gallon or larger. Height 18-20". Width 16-18". Zones 4b-9a. Propagation prohibited.

NEW Blue

NEW Coral

NEW Fuchsia

NEW Pink

NEW White



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. Width 30-36". Height 4-6". Zones 3a-8b.

Candy Stripe - White flowers with a bold pink brushstroke down each petal

Emerald Blue - Medium blue flower

Emerald Pink - Pink

Red Wings - Deep crimson blooms with dark red

Scarlet Flame - Vivid scarlet

NEW White Delight - Pure white flowers

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.

Pop Star[™] 🚱 - Provides continuous blooms. Compact and uniform habit. Ideal for pots, mixed containers, bedding, or landscape. Height 7". Width 7". Zones 3b-9b.

NEW Blue NEW Pink

Polemonium * 1



(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.

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

NEW Stairway to Heaven - Green and white variegated foliage with a pink blush in cooler temperatures. Bell-shaped blue flowers in spring and early summer. Vigorous growth. Foliage height 12". Flower height 15". Spread 14-16". Zones 3-9. 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.

American Gold Rush 🚱 - AAS Winner. 2023 Perennial Plant of the Year. Displays masses of beautiful deep yellow, daisy like flowers with a



PHLOX CANDY STRIPE



PHLOX EMERALD BLUE



PHLOX EMERALD PINK



PHLOX RED WINGS



PHLOX SCARLET FLAME



PHLOX WHITE DELIGHT



PLATYCODON POP STAR BLUE



PLATYCODON POP STAR PINK



POLEMONIUM GOLDEN FEATHERS



POLEMONIUM STAIRWAY TO HEAVEN



RUDBECKIA AMARILLO GOLD



RUDBECKIA AMERICAN **GOLD RUSH**



RUDBECKIA AUTUMN



RUDBECKIA CHERRY BRANDY



COLORS



RUDBECKIA GOLDBLITZ



RUDBECKIA INDIAN SUMMER



RUDBECKIA PAWNEE SPIRIT



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

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. Polintator 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. Outstanding basal-branching habit that does not require staking. Early flowering. Outstanding garden performance and also used as cut flower. Tender perennial. Height 36".

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.

Sagina 🎇 🌋



(sa-GEEN-ah) | "Irish Moss"

A carpet-like green ground cover useful in containers, around flagstones, or as an

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. 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 \mathfrak{S} - 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 blue blooms

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 freelu 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.

T BREEDER APPROVED TAGS REQUIRED

Scabiosa 🌞 놀



(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 🚱 - Dense and robust habit. Flowers start blue-green, opening to pink, then darkening to red and finally bronze. Height 24-30". Zones 3-9.

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.

T BREEDER APPROVED TAGS REQUIRED

Stachys byzantina

(STAK-is) | "Lamb's Ear, Woolly Betony"

NEW Furby - Large, soft, silvery wooly leaves on evergreen plants. Extremely heat tolerant and easy to grow. Suitable for bedding, landscapes, or pots. Can be used in floral arrangements. Height 14". Spread 18". Zones 4-9.

NEW Little Lamb - Soft greenish-silver leaves on a compact spreading plant. Ideal for edging, smaller gardens, landscapes, and containers. Drought tolerant. Deer and rabbit resistant. Height 2-5". Width 12-15". Zones 4a-8b. Propagation



(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 **



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



A spreading groundcover plant, excellent for shade and moist greas, 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 AUTUMN FIRE



SEDUM CHERRY TRUFFLE



STACHYS BYZANTINA FURBY



STACHYS BYZANTINA LITTLE LAMB



THYMUS CREEPING



THYMUS WOOLLY THYME



VERBENA VANITY



VERONICA SKYWARD BLUE



VERONICA SKYWARD PINK



VINCA MINOR BOWLES

uses guide

* SPECIFIC USES OF PERENNIALS VARY BY VARIETY. THIS GUIDE IS INTENDED FOR GENERAL REFERENCE ONLY.



ICON KEY



TREAT AS AN ANNUAL

REPEATING BLOOMERS

GROWN PRIMARILY FOR FOLIAGE

DEER RESISTANT



CUT FLOWERS

ROCK GARDEN & GROUND COVER

ATTRACTS BEES, BUTTERFLIES, OR HUMMINGBIRDS





culture

USEFUL GROWER TIPS



Jerry Gorchels is on our team to help you with cultural advice. An independent horticulturist with 52 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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CULTURAL CHECK LIST



C U L T U R A L C O N S U L T A N T

Success starts before your plants arrive. I hope the following check lists will get you off to a great start! I'm at your service if you need any assistance.

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. 144 plugs are multi sown (except certain items). 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









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 a outstanding selection. Tags included.

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

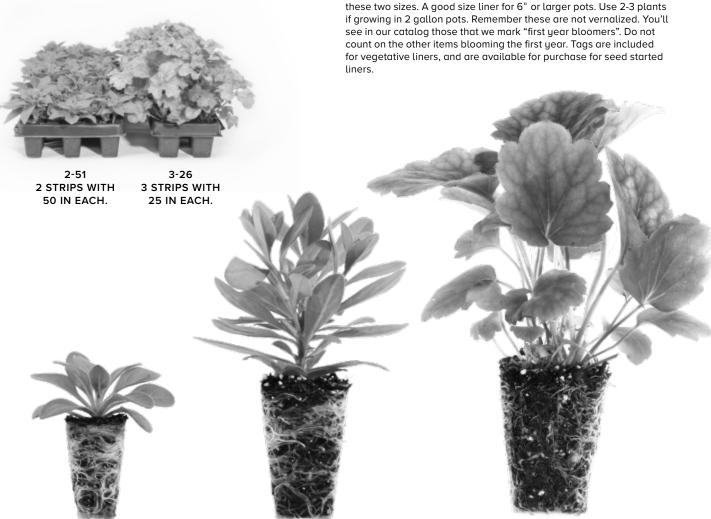
You could put these in 4", 6", or even gallon pots with 2-3 plants per pot depending upon the specie. 144 plugs are multi sown (except certain items). This size also allows you to purchase only 144 per variety, so you can increase your selection in the same space! They can also be used for starting summer 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 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



26



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
24 Karat Gold	⇔	Hakonechloa, Begonia, Lantana	4
After the Rain	⇔	Calibrachoa, Bacopa, Lobelia	1
After the Storm	♦	Petunia, Calibrachoa, Coleus	1
Alexander the Grape	☆	Calibrachoa, Bacopa, Lobularia	2
Allspice	₩	Petunia	1
Amethyst Infusion	<u></u>	Calibrachoa, Lobelia, Petunia	1
Answer the Call	⇔	Petunia, Calibrachoa, Lobelia, Verbena	1
Autumn Ember		Petchoa	1
Backyard Fireworks	⇔	Coleus, Ipomoea, Begonia boliviensis	4
Be My Valentine	₩	Petunia, Verbena	1
Beach House	⇔	Petunia, Verbena	1
Beating Heart	⇔	Calibrachoa, Verbena, Bidens	1
Berries & Cream	⇔	Petunia	1
Berry Smoothie	⇔	Petunia, Nemesia	1
Birds of Paradise	⇔	Petunia, Calibrachoa, Verbena	1
Blackberry Tart	⇔	Calibrachoa	1
Bloombox Boogie	♦	Sunpatiens*	4
Blue Eyes Cryin'	₿	Petunia, Bacopa, Verbena	1
Blueberry Hill	₩	Calibrachoa, Verbena, Ipomoea	1
Blueberry Peach Sangria	⇔	Calibrachoa, Verbena	1
Blueberry Tart	⇔	Calibrachoa	1
Bolero	⇔	Calibrachoa, Bidens, Verbena	1
Bumbleberry Jam	⇔	Petunia	1
Candy Shop	⇔	Petunia, Calibrachoa, Verbena	1
Capture My Heart	₩	Petunia, Calibrachoa, Verbena	1
Chalk Art	⇔	Petunia, Calibrachoa, Verbena	1
Chloe's Song	⇔	Geranium, Begonia, Angelonia, Ipomoea	3
Coachella	₩	Petunia, Salvia	1
Color Parade	₿	Bidens, Verbena, Petunia	1
Coming Up Roses	•	Sunpatiens®, Verbena	4
Cosmic Trifecta	₿	Petunia	1
Country Girl	⇔	Petunia, Verbena	1

Combo Kit Contents	Code
Country Roads Calibrachoa, Lobelia	1
Crack o' Dawn Zonal Geranium, Carex, Ipomoea, Verbena, Coreopsis	3
Crazy Love 🌣 Petunia	1
Dakota Sky 💢 Petunia	1
Dancing 'til Dawn 🌣 Petunia, Calibrachoa, Bacopa	1
Easter Eggs 💢 Lobularia, Pansy	5
Enchanted Evening 💢 Calibrachoa, Petunia, Nemesia	1
Euphoric Ç Petunia, Calibrachoa, Satureja	1
Evi's Smile Begonia, Sunpatiens®, Angelonia	4
Eye Candy 💢 Petunia, Calibrachoa, Verbena	1
Fairytale Calibrachoa	1
Finger Paints 💢 Bidens, Calibrachoa, Petunia	1
Fire & Ice Calibrachoa, Verbena	1
Fire Queen 💢 Petunia, Calibrachoa, Verbena	1
First Light 💢 Calibrachoa, Bacopa	1
Frosted Berries	1
Fruit Salad Ç Petunia, Calibrachoa, Verbena	1
Fun on the 4th 💢 Petunia, Salvia	1
Golden Blush Ç Petunia, Calibrachoa, Verbena	1
Highland Fling Calibrachoa, Petunia, Verbena	1
Iced Peaches Calibrachoa, Verbena	1
Itsy Bitsy Ç Petunia - Mini	1
Itsy Trifection 💢 Petunia - Mini	1
Land of Mine Calibrachoa	1
Limelight Ç Petunia, Begonia, Coleus	4
Lipstick and Lace Ç Petchoa, Verbena, Calibrachoa	1
Little Moments 💢 Petunia-Mini	1
Lollipops 💢 Petchoa, Petunia	1
Maggie May Calibrachoa, Bidens, Salvia	1
Meet Me in Miami Ç Calibrachoa, Petunia, Verbena	1
Midsummer Night's Dream Petunia, Torenia, Diascia	1
Muka Laka Hiki Ç Petunia, Calibrachoa, Verbena	1
Music of the Heart Ç Petunia, Calibrachoa, Verbena	1
Out of the Blue Ç Petunia, Lobularia, Verbena	2
Palace Parade Ç Petchoa, Petunia, Dichondra	1
Parrot Head Calibrachoa, Petunia, Verbena	1

Combo Kit		Contents	Culture Code
Perfect Tonight	⇔	Petunia	1
Pink Bubbly	₿	Petunia	1
Pistachio Pops	⇔	Pennisetum rubrum, Helichrysum, Ipomoea	4
Pixie Stix	⇔	Calibrachoa	1
Plum Parfait	⇔	Bacopa, Petunia, Verbena	1
Pomegranate Sugar	₩	Verbena	1
Pop Life	₿	Sunpatiens*	4
Queen Bee	⇔	Bidens, Petunia	1
Rapunzel	₿	Calibrachoa	1
Raspberry Wine	₿	Petunia, Verbena	1
Remember When	₿	Begonia, Euphorbia, Heuchera	4
Rose Explosion	₿	Bidens, Calibrachoa, Verbena	1
Safari	₩	Petunia, Calibrachoa, Lysimachia	1
Salute	\Leftrightarrow	Petunia	1
Send in the Clowns	⇔	Calibrachoa, Lobelia, Verbena	1
Shades of Summer	⇔	Calibrachoa	1
Sky Full of Stars	⇔	Calibrachoa, Petunia	1
Smoldering Summer	₿	Bidens, Calibrachoa, Verbena	1
Spring has Sprung	⇔	Petunia, Ipomoea, Lobelia	1
Starfruit Swirl	\Diamond	Bidens, Petunia	1
Strawberry Fields	⇔	Calibrachoa, Verbena	1
Strawberry Taffy	⇔	Calibrachoa, Petunia, Verbena	1
Street Style	⇔	Calibrachoa, Petunia, Verbena	1
Strong & Free	₿	Petunia, Bacopa, Verbena	1
Sultans of Swing	⇔	Petunia, Calibrachoa, Verbena	1
Sunshine & Storm	₿	Petunia, Bidens	1
Sweet Dreams	₿	Petunia	1

Combo Kit		Contents	Culture Code
Sweet Velour	₿	Petunia, Dichondra, Angelonia	1
Tangled Up in Blue	☆	Petunia, Verbena	1
Touch of Lavender	•	Alternanthera, Sunpatiens*, Lamium	4
Tres Chic	₿	Lobelia, Petunia	1
Twilight Hues	₿	Petunia, Calibrachoa, Verbena	1
Unlikely Lime	₩	Angelonia, Calibrachoa, Helichrysum, Celosia	1
Vintage Soiree	₿	Coleus, Verbena, Calibrachoa	1
Watercolors	₿	Petunia, Calibrachoa, Verbena	1
When Stars Come Out	₿	Calibrachoa	1
Whispers of Dawn	⇔	Geranium, Sunpatiens®, Ipomoea, Verbena	3
Wild Berry Meringue	₿	Petunia, Verbena, Lobelia	1
Wild Blue Yonder	₿	Verbena, Petunia	1
Herbs	₩	all types	6
Wave® Combos	₩	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: 1-11/2 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	e 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	Pinch all week 4 - 5.	Use Bonzi 10 ppm	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.

Crop Time in Week

Easy Liner	6"	10"	12"	16"	Soil pH	Temperature	Fertilizer	Pinching**	Growth Regulator	Notes
Calibrachoa	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.
All others	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 Thielaviopsos.

1 ppp - 512's in packs, 288's in 4" pots, or 144's in 6" pots.

From 144 or 25 ct into 10"

	_	_	
	Crop	Crop	
	Time	Time	
Species	(in weeks)	(in weeks)	Special Notes
Ageratum	6-7		Extreme wet to dry cycles will cause leaf problems.
Alternanthera	4-5		Higher light results in deeper color. Do not use cycocel.
Alyssum	4-5		Feed heavily and spray routinely for downy mildew, bacterial leaf spot, and soft rot.
Amaranthus	11-12	3-4 ppp= 13-15	
Angelonia	8-10		Do not pinch. Keep light levels high.
Asparagus densi	10-12	3-4 ppp= 18-20	Once established, feed every 2 weeks.
Aster	4-5		Sold green. Needs long days till mid-March.
Begonia- Angel Wing	7-11	4-5 ppp= 9-11	Important to plant with leaves pointed outward to make a symmetrical basket.
Begonia- boliviensis ®			See full culture sheet.
Begonia- Fancy Leaf Gryphon	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.

ℜ 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"

111 4 pots, or 14	14's in 6" pot	S. 25 Cl	into 10"
Species	Crop Time (in weeks)	Crop Time (in weeks)	Special Notes
Begonia- Fancy Leaf Silver Spot	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.
Begonia- Fibrous	6-7	4 ppp=7-8	Needs heat and high ammonium Delaying transplanting will cause stretching branches.
Begonia- Landscape Whopper [®]	6-8	3 ppp = 7-10	
Begonia- Landscape Big		3 ppp= 14-16	
Begonia- Spreading		3 ppp= 14-16	
Begonia- Tuberous	9-11 (for 4-6")	4 ppp= 10-12	Provide at least 10 ftc of light from 10 pm to 2 am from Octobe 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.
Calendula	4-5		Sold green.
Canna	9-12 (for 4")		Root space determines plant height.
Celosia	5-6		Watch for alternaria.
Celosia Premium	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.
Cleome	3-4		Sold green. Reseeds itself.
Coleus	4-5		Spray routinely for downy mildew.
Cosmos	3-4		Sold green.
Dahlia	7-8		Watch for downy mildew. Shear to encourage branching.
Dianthus	6-7		
Dianthus- interspecific Jolt series	12-13	1-3 ppp= 14-18	Can flower all year around, but will take longer to flower under short days than long.
Dichondra	5-6 (for 4")		
Dracaena	8-12 (for 4")		
Dusty Miller	5-6		
Eucalyptus	10-12 (for 4")		Pinch for better branching. Do not let it get root bound-sensitiv to root damage and restriction. Does not like to be transplanted after being in ground.

ℜ 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"

	Crop Time	Crop Time	
Species	(in weeks)	(in weeks)	Special Notes
Flowering Kale & Cabbage	4-5		Colors up with cold temps and high light. Preventative spray for "black rot".
Gazania	7-8		Flowers close on cloudy days and nights.
Gerbera ⊛	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.
Gloxinia	11-14		
Gomphrena	5-6		
Gypsophila	5-6	4 ppp= 10-12	Cool temps enhance color. Needs dead heading.
Helianthus	7-9		Use 4" pots only in winter, use larger pots for other seasons.
Helianthus Sunfinity ®		7 weeks 2.5 qt-1 gal/8-9 weeks 12" or larger	See full culture sheet. Long day required. Transplant after long days have begun in your area. Retail season summer to fall.
Hibiscus		1 ppp = 6-8	
Impatiens	4-5	3 ppp=6-8	Watch out for downy mildew.
Impatiens Solarscape	9-10	10-12	Needs average daytime temperature of at least 60°F, 66°F is ideal. Do not pinch. Can plant deep.
Lisianthus	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.
Lobelia	5-6		Can't tolerate extreme dry down
Marigold- African	6-8		Requires short days to flower.
Marigold- French & Triploid	5-6		Intolerant to pH < 5.5.
Melampodium	7-9		Keep soil moist.
Orn. Millet	7-9 (for 4-6")		Full sun darkens the leaf color.
Orn. Pepper	4-5		Sold green.
Osteospermum ®	7-10 (for 4")		See full culture sheet.
Pansy	6-7		Cooler temps make larger flowers. Watch roots for disease pressure such as thielaviopsis and phytopthera.

ℜ 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"

	Crop Time	Crop Time	
Species	(in weeks)	(in weeks)	Special Notes
Pansy Spreading	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.
Pentas	7-9		Needs high temperatures and high light.
Petchoa	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.
Petunia	5-7		Make sure to give adequate dry down cycles to promote strong roots, good connections, and avoid "runty" plants.
Petunia- Doubles	6-8		See Petunia.
Petunia- Premium	7-10	3-4 ppp= 10-13	Require more fertilization than other petunia series. For best branching results, PGR's may be needed.
Phlox	8-9		
Portulaca	7-8		Loves heat.
Primula 🕏	8-12 (for 4")		Needs cold temps to set bud.
Ptilotus	7-9		Do not overwater. Do not allow to get rootbound - transplant immediately. Do not pinch.
Ranunculus 🕏	12-15 (for 4")		See full culture sheet.
Salvia coccinea	6-7 (for 6")	3 ppp= 10-12	Heat lover. Ideal for Spring and Summer.
Salvia farinacea	8-9		
Salvia interspecific	8-13		ADT 68°F, light to 14 hours, daylength extension, do not overlight
Salvia splendens	5-6		Watch for downy mildew.
Seed Geranium 🕏	10-12 (for 4")		See full culture sheet.
Snapdragon	6-7		Watch for botrytis
Stock	6-10		Longer grow time is for cooler temps.
Torenia	6-7		
Verbena	7-8		Watch closely for downy mildew and powdery mildew. Keep warm and dry.

ℜ 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
Vinca ŵ	6-8	trailing varieties 4-5 ppp= 15-20	Must be kept warm and dry. Watch roots for disease pressure. See specific culture sheet.
Viola	5-6		Thrives in cool temps. Day-length sensitive.

ℜ 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
Zinnia ®	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
Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Kale	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.
Celery	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.
Eggplant	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.
Lettuce	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.
Onion	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.
Pepper	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.
Physalis (Ground Cherry)	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.
Simply Salad		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.
Strawberry	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.
Tomato	3 wks	1 ppp=4	1 ppp=8-12	1-2x per week with 50-75 ppm N	50°F night, 60°F day	
Basil	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.
Chamomile	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	
Chives	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	
Cilantro	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	
Curry	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
Cymbopogon Lemon Grass	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.
Dill & Fennel	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	
Lavender	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.
Marjoram	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.
Melissa	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	
Mint	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	
Oregano	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.
Oregano variegated	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	
Parsley	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.
Rosemary	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.
Sage	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	
Sage variegated	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	
Satureja	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
Stevia	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	
Tarragon	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.
Thyme	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.
Thyme variegated	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	
Verbena aloysia	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





LINERS

(1)	wks) 4" pots	(wks) 10" pots	L	Ise lower end o	of fertilizer rates for pot crops; use higher end for hanger crops.
Species	Crop Time	Crop Time	Temperature	Fertilizer	Special Notes
Acalypha	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.
Ageratum	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.
Alstromeria 🕏					See full culture sheet.
Angelonia	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.
Anigozanthos	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.
Argyranthemum	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.
Засора	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.
Begonia x hybrida	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.
Begonia-boliviensis	®				See full culture sheet.
Begonia- niemalis 🕏	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.
Bidens	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.
Brachyscome	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.
Bracteantha	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 lines
Calendula	6-7 weeks		60-70°F day 55-60°F night	150-250 ppm N	Pinch at planting.
Calibrachoa 🕏	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.
Celosia Kelos Fire Series	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.
Cleome	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 psizes. Growth regulators not necessary under high light intensity.
Coleus	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.
Cuphea hyssopifolia	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.
Cuphea ignea	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.
Dahlia	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.

ℜ See specific Culture Sheet. | Note: ppp = plants per pot

	(wks) 4" pots	(wks) 10" pots	U	se lower end c	of fertilizer rates for pot crops; use higher end for hanger crops.
Species	Crop Time	Crop Time	Temperature	Fertilizer	Special Notes
Diascia	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.
Double Impatiens	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.
Echibeckia		8-12	70-80°F day 60-70°F night	100-200 ppm N constant	
Euphorbia	1 ppp=4		65-75°F day 60-65°F night	150-200 ppm N	Moderate moisture. Full sun to part shade.
Evolvulus	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.
Fuchsia		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.
Geranium- Interspecific	1 ppp=5-6	3 ppp=10-11	65-75°F day 60-65°F night	200-250 ppm N constant	No pinch necessary.
Geranium-Ivy		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.
Geranium-Regal ® From Pre-Budded Li	1 ppp=8-10 ner		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.
Geranium- Zonal, Brocade, Scented	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.
Gerbera Garvinea®	8				See full culture sheet.
Gerbera Patio 🕏					See full culture sheet.
Gypsophila	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.
Helianthus 🕏					See full culture sheet.
Heliotrope	1 ppp=5-6		65-75°F day 60-65°F night	200-250 ppm N	Pinch to promote branching.
Jamesbrittenia	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.
Lantana	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.
Lobelia	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.
Lobularia	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.
Lophospermum	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.
Mandevilla	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
Mecardonia	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.
Nemesia	1ppp=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.

★ 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
New Guinea Impatiens ®	1 ppp=9-12	3-4 ppp=14-16	65-75°F day 60-65°F nigh	100 ppm N nt	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.
Origanum (Bellisim	o) 8-10 weeks	3-5 ppp=10-12	65-75°F day 60-65°F nigh	100-200 it ppm N	Do not over water!
Osteospermum ®	1 ppp=5		60-70°F day 55-60°F nigh		See full culture sheet.
Pachystachys	1 ppp=6	3 ppp=12-14	65-72°F day 65-72°F nigh		Watch for spider mites, whiteflies and aphids.
Pericallis 🕏					See full culture sheet.
Petchoa	1 ppp=5-8	3-4 ppp=9-13	60-70°F day 55-60°F nigh	150-250 it ppm N	Recommend pinch wk 1.
Petunia 🕏	1 ppp=5-8	3 ppp=8-12	60-70°F day 55-60°F nigh		Likes high light (5000-9000 fc). Give 1-2 pinches, except Littletunias - no pinch.
Plumbago	not advised	d 4 ppp = 10 - 14	65-75°F day 60-65°F nigh	100-200 nt 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.
Portulaca	1 ppp=4-5	4-5 ppp=11-17	65-75°F day 60-65°F nigh	100-200 nt 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.
Rose 🕏					See full culture sheet.
Salvia greggii	1 ppp=7-11		65-75°F day 50-60°F nigh	200-250 at 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.
Salvia farinacea	1 ppp=6-8		65-75°F day 60-65°F nigh	100-200 nt ppm N	Full sun. Pinch once if you want more plant body.
Salvia (Hummingbi Falls)	rd 6-8 weeks	10-12 weeks	65-75°F day 60-65°F nigh	150-200 nt ppm N	Moderate water needs.
Salvia (Salgoon series)	1 ppp=8-12	2-3 ppp=10-14	57-68°F day 50-57°F nigh	125-150 at ppm N	Pinch once, above 2nd internode, 2 weeks after transplanting. Keep the plants relatively cool and dry.
Sanvitalia		3-4 ppp=12-14	65-75°F day 60-65°F nigh	200 ppm N	Cooler temps retard growth. Pinch multiple times. Sensitive to overwatering; keep on the dry side.
Scaevola	1 ppp=8-10	3-5 ppp=12-14	65-75°F day 60-65°F nigh	150-200 nt ppm N	Likes high light (5000-9000 fc). Give 2-3 pinches. Feed little to no phosphorous.
Streptocarpus	1 ppp = 4-6	4-5 ppp = 10-12	70-75°F day 65-70°F nigh (max temp should not exceed 86°F	fertlizer will burn	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.
Sunpatiens* &	not advised	d 1 ppp=10-12	65-75°F day 60-65°F nigh	200 ppm nt 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.
Thunbergia	1 ppp=6-8	3 ppp=10-12	70-80°F day 60-65°F nigh		Needs warm nights. Never allow to wilt. Use high nitrate feed (not ammonium). Do not transplant crown below soil level.
Torenia	1 ppp=5-8	5 ppp=12-14	65-75°F day 60-65°F nigh	100-200 nt 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
Verbena	1 ppp=6-8	4-5 ppp=11-17	65-75°F day 60-65°F nigh	200-250 nt 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.

ℜ See specific Culture Sheet. | Note: ppp = plants per pot

FOLIAGE

	(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
Aglaonema	1 ppp=8-10	7-8" container 3-4ppp=8-10	70-80°F day 65-75°F night	100 ppm N 1X/month	Low to medium light. Water only when the soil is dry to the touch, and then give a thorough watering; avoid overwatering. Plant yellowing is likely due to overwatering.
Alternanthera	1 ppp=6		65-75°F day 60-65°F night	200-250 ppm N	Easy to grow.
Artemisia	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.
Artemisia Sunfern (Olympia)		10 - 12 wks	65-75°F day 60-65°F night	100-200 ppm N	Pinch to help with bulking.
Begonia-Rex 🕏	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.
Calathea	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.
Callisia	5-7 ppp=6		65-70°F day 60-65°F night	100 ppm N 1X/month	Not much light needed; 1 hour sunlight/day should be plenty.
Chlorophytum	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.
Colocasia 🕏	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.
Cordyline	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.
Ctenanthe	1 ppp=8-10		70-80°F day 65-70°F night	150 ppm N constant	Grow warm; 70-80F, avoid drought stress.
Didelta	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.
Dieffenbachia	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.
Draceana marginata	1 ppp=6	2-3 ppp=8-10	70-80°F day 65-75°F night	100 ppm N	Likes high light. Do not overwater.
Eupatorium		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 desireable
Ficus	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.
German Ivy	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.
Glechoma	2 ppp=6-7		60-70°F day 55-60°F night	200 ppm N	Full sun to part shade. Pinch once.
Hedera	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.
Helichrysum	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.
Homalocladium	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 temperture no lower than 65°F. Cold night temperatures, under 60°F are problematic to good culture.

★ 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
Hypoestes	1 ppp=6	3-5 ppp=8	70°F day 60°F night	100-150 ppm N	Do not expose to direct sunglight < 60,000 lux and light to medium shade is preferable. Pinch recommended 2 weeks after transplant. These need "long days" > 12; ideally between 13-14 hrs of light to remain vegetative and growing actively. If you mix colors, the white is always a little behind, so you can add an extra liner of white to even out your mix.
Ipomoea	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.
Iresine	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.
Lamium & Lamiastrum	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.
Lysimachia	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.
Monstera (Deliciosa Liebm)		6-8 wks	65-75°F day 60-65°F night	100-200 ppm N	Do not allow to get too cold.
Muehlenbeckia	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.
Musa	1 ppp=6-10 wks	s 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.
Oxalis	1 ppp=6-8		65-75°F day 60-65°F night	200-250 ppm N	Pinching and PGR's not necessary.
Peperomia	1 ppp=18	3 ppp=24	65-75 day 60-65 night	100-200 ppm N	B9 or pinching will result in better branching
Perilla	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.
Philodendron	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.
Pilea	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
Plectranthus	1 ppp=4-5		65-75°F day 60-65°F night	100-200 ppm N	Pinch to promote branching.
Pothos	1 ppp=6-8	3-4 ppp=8-10	65-75°F day 60-65°F night	100-150 ppm N	
Rhoeo	1 ppp=6-8		65-75°F day 60-65°F night	100-150 ppm N	
Scindapsus	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.
Senecio candicans	1 ppp=5-6	3ppp=9-12	65-70°F day 60-65°F night	100-150 ppm N	
Setcreasea	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.
Strobilanthes	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.
Tradescantia Wandering Jew	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
Vinca major & minor	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.
Ferns	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	e Special Notes	
Calamagrostis	N/S	6-8	100-200 ppm N	4-10	₽€	Allow plants to dry down between waterings	
Carex Feather Falls	20-24	9-11	100-200 ppm N	6-8	•	Prefers part shade. Do not allow to dry out.	
Carex Red Rooster	24-28	10-14	100-200 ppm N	7-9	⇔		
Cortaderia	N/S	6-8	100-200 ppm N	7-10	⇔	Moisture: dry to medium.	
Cyperus Little Prince	N/S	8-10	100-200 ppm N	9-11	₽€		
Hakonechloa	24-28	8-10	100-200 ppm N	5-9	₽€	Do not allow to dry out.	
Isolepis	10-12	5-6	100-200 ppm N	annual	₽€	Don't allow plant to wilt.	
Juncus Blue Arrows	12-14	6-7	100-200 ppm N	5-9	≎●	Can be used in wet locations.	
Juncus Blue Dart, Twister	N/S	6-8	100-200 ppm N	5-11	≎●	Can be used in wet locations.	
Juncus Twisted Arrows	12-16	6-8	100-200 ppm N	5-9	≎●	Can be used in wet locations.	
Lagurus ovatus	N/S	8-9	100-200 ppm N	annual	⇔	Broad spectrum fungicide suggested at transplant	
Miscanthus	N/S	8-10	100-200 ppm N	6-10	⇔	Plants will not establish root growth under cool temps and short days	
Muhlenbergia	N/S	8-10	75-150 ppm N	6-10	₽€		
Pennisetum	N/S	4-6	100-200 ppm N	8-10	⇔	Color is brightest under high light.	
Stipa	12-16	6-8	100-200 ppm N	7-10	⇔	Moisture: medium to moist	

SUCCULENTS

Specie	Optimum Pot Size	Crop Time
Slow Growe	ers	
Aloe	2-4"	16-20 weeks
Cotyledon	2-4"	16-20 weeks
Gasteria	4"	16-20 weeks
Haworthia	2-4"	16-20 weeks
Portulaca succul	ent 4" 3ppp	16-20 weeks

Specie	Pot Size	Crop Time							
Medium Growers									
Delosperma	4"	10-14 weeks							
Graptosedum	2-4"	10-14 weeks							
Kalanchoe	4-6"	10-14 weeks							
Lampranthus	4-6"	10-14 weeks							
Orostachys	2-4"	10-14 weeks							
Peperomia	3-4"	10-14 weeks							
Sedum creeping	3-4"	10-14 weeks							
Sempervivum	3-4"	10-14 weeks							

Optimum

Specie	Pot Size	Crop Time	
Fast Grow	vers		
Crassula	4-6"	6-8 weeks	

Optimum

Crassula	4-6"	6-8 weeks
Echeveria	4"	6-8 weeks
Hoya kerrii	4"	6-8 weeks
Senecio	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 9	Size	Gallon Size		n Size	
Specie & Variety	Р	lant	Natural Color	Liner	PPP	Crop Time	Liner	PPP	Crop Time	Other Notes
Achillea		lid-Late lay	Early August				25 ct	1	12-14 wks	
Agastache	Р	rogram.	Continuous	50 ct	1	7-9 wks	50 ct	1-2	8-10 wks	Pinch as needed to get more size.
Ajuga	S	pring	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	S	pring	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	√ P	rogram.	Summer		1	12-16 wks				Grows well in salty areas.
Asclepias	√ S	pring	Summer				25 ct	1	7-10 wks	
Bellis	S	pring	Spring	144 ct	1	6-8 wks	25 ct	2	8-10 wks	
Brunnera macrophylla (Frostbite)	S	pring	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		lid-Late Iay	August	50 ct	1	5 wks*	50 ct	1	8-10 wks	
Campanula Champion Series ®	✓									See full culture sheet.
Campanula Rapido	√ S	pring	Summer	144 ct	1	9-11 wks				Do not bury crown.
Coreopsis	√ S	pring	Summer	50 ct	1	6-7 wks	50 ct	1	7-9 wks	Plant previous fall for sizing up gallons.
Coreopsis Solanna" Series	√ S	ee 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.
Delphinium	S	pring	Summer	144 ct	1	5-6 wks*	25 ct	1	10-14 wks	
Dianthus-barbatus	Р	rogram.	Summer	144 ct	1	7-9 wks	25 ct	2	10-12 wks	
Dianthus-deltoides	S	pring	Summer	144 ct	1	7-8 wks	144 ct	3	7-8 wks	
Digitalis	S	pring	June	25 ct	1	6-7 wks*	25 ct	1	9-11 wks*	Do not bury crowns. Would not be sold in color.
Digitalis Dalmatian and Foxy	S	pring	Summer	144 ct	1	5-6 wks*	144 ct	1	9 wks	Fully first year flowering. Do not bury crowns.
Echinacea	√ S	pring	Summer/Fall				25 ct	1-2	12-17 wks	Pinch for more branching.
Gaillardia	√ P	rogram.	Summer	50/ 144 ct	1	8-12 wks	25 ct	1	8-14 wks	
Gaura	√ P	rogram.	Summer	50 ct	1	8-10 wks	50 ct	2	8-10 wks	Do not bury crowns.
Geranium Rozanne		ate Winter Spring	Spring/Summer	Any	1	6-8 wks	25 ct	1-2	8-10 wks	Prefers moist and well drained soil; does best in full sun.
Heliopsis	√ S	pring	Summer				25 ct	1	9-11 wks	
Heuchera	S	pring	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.
Hibiscus 🕏	√ S	pring	Summer/Fall	144 ct	1	8-10 wks	25 ct	1	12-14 wks	See full culture sheet on Luna.
Hosta	S	pring	Summer	_			25 ct	1	8-12 wks	
Hydrangea hybrida		pring/ ummer	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.
Iberis	S	ummer	Early Summer	Any	1	6-7 wks	Any	1	6-7 wks	
Leucanthemum	√ S	pring	Summer/Fall		1	8-10 wks*	25 ct	1	8-12 wks*	Some sources suggest overwintering for best performance.

[®] 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	g da	ys required			Quart	Size	Gallon Size		n Size	
Specie & Variety		Plant	Natural Color	Liner	PPP	Crop Time	Liner	PPP	Crop Time	Other Notes
Lobelia	/	Spring	Summer	144 ct	1	7-9 wks	25 ct	1	8-10 wks	
Lupinus	1	Spring	Early Summer	144 ct	1	9-10 wks	25 ct	1	9-10 wks	Watch for foliar fungal diseases.
Monarda	/	May	Late August	50 ct	1	5-7 wks*	25 ct	1-2	13-15 wks	Probably will need pinching for fullness.
Myosotis		Spring	Early Spring	144 ct	1	5-9 wks				Maintain low pH.
Nepeta		Spring	August	50 ct	1	6 wks*	50 ct	1	6-8 wks*	
Perovskia	1	Spring	Summer	50 ct	1	7-9 wks	50 ct	2	13-16 wks	Pinch once.
Phlox paniculata Flame Series	1	Spring	Summer	50 ct	1	9 wks	50 ct	2-3	9-11 wks	
Phlox paniculata Super Ka-Pow Series		Spring	Summer	50 ct	1	9 wks	50 ct	2-3	9-11 wks	Pinch after transplant is recommended in cases where there are two or less shoots
Platycodon		Spring	Summer	144 ct	1	10 wks	25 ct	2-3	10-12 wks	
Polemonium		Spring	Early Summer	25 ct	1	5-6 wks*	25 ct	1	6-7 wks*	Vernalization and long days required if flowers are desired.
Rudbeckia except Goldblitz	/	Spring	Summer	144 ct	1	7 wks	25 ct	1	8-10 wks	Not true perennials. Require good drainage.
Rudbeckia Goldblitz	1	Mid-Summer	Summer/Fall	Any	1	9 wks*	Any	1	13 wks	
Sagina	1	Spring	Spring		1-2	5-6 wks				
Salvia		Spring	Spring/Early Summer		1	6-8 wks	25 ct	1-2	8-10 wks	
Salvia guaranitica	/	Spring After Frost	Summer	25 ct	1	6-8 wks	26 ct			Requires longs days. Not hardy above zone 7.
Scabiosa		Spring	Summer		1	7-9 wks	25 ct	1-2	7-9 wks	Do not bury crowns.
Sedum Upright	/	Spring	Fall	25 ct	1	8-10 wks	25 ct	2	12-15 wks	Pinch recommended.
Stachys		Spring	Sold Green		1	7 wks		1	8 wks*	Grown for foliage.
Thymus Woolly Thyme		Spring	Sold Green	50 ct	1	9 wks*	50 ct			Used as ground cover or filler.
Verbena	1	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.



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 daylight, 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.

	Long d	ays required			Quart	Size		Gallo	n Size	
Specie & Variety		Plant	Natural Color	Liner	PPP	Crop Time	Liner	PPP	Crop Time	Other Notes
Alcea		Fall	Summer	Any	1	5 wks*	Any	1	8 wks*	
Aquilegia 🕏			Early Spring							See full culture sheet.
Carnation		Early Fall	Early Summer	Any	1	9 wks	Any	1	9 wks	
Cerastium		Fall	Early Spring- Early Summer	Any	1	5 wks	Any	1	7 wks	
Digitalis Other		Fall		Any	1	5 wks*	Any	1	9-11 wks*	Do not bury crowns.
Euphorbia	/	Late Summer	Spring	Any	1	5-6 wks*	Any	1	6-8 wks	
Kniphofia	/	Mid-Summer	Late Summer	Any	1	9 wks*	Any	1	11 wks	Needs long days to bloom.
Liatris	/	Mid-Summer	Summer				Any	2	9 wks	
Papaver oriental	le 🗸	Late Summer	Early Summer	Any	1	5 wks*	Any	1	9 wks	
Phlox paniculate other	1	Spring	Summer	50 ct	1	9 wks	50 ct	2-3	9-11 wks	
Phlox subulata		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.
Thymus creeping	g 🗸	Fall	Summer/Fall	Any	1	9 wks				Needs adequate soil drainage. Prefers cool nights.
Veronica	✓	Mid-Late Summer	Summer	50 ct	1	5-9 wks	50 ct	1	8-12 wks	
Vinca Minor		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

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

Transplant	Per Pot	Season
12-16 weeks	1	Spring, ADT 55°F
13-16 weeks	2-3	Spring, ADT 55°F
20-30 weeks	1	Early Spring, ADT 50°F
20-30 weeks	2-3	Early Spring, ADT 50°F
	Transplant 12-16 weeks 13-16 weeks 20-30 weeks	12-16 weeks 1 13-16 weeks 2-3 20-30 weeks 1

BEGONIABOLIVIENSIS

Information courtesy of Benary

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

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: $65 \text{ to } 70^{\circ}\text{F}$ (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 Phyton 27

Botrytis Blight - Foliar Spray with Dithane, Daconil, Decree, or Endorse

Myrothecium - Foliar Spray with Compass-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 ammonical 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 14½ 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

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 $2\frac{1}{2}$ 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 (uniconazol) or B-Nine/Cycocel (chlormequat chloride) tank mix.

Common Diseases

Botrytis, Pythium, Alternaria, Pseduomonas, 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/m² for 3-4 weeks; by then the plants need to be spaced to 20-25 pl/m² 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 chloratic 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

HELIANTHUS SOL SEEKER, 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 branchina.

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. SOL SEEKER requires less water than the other genetics

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/50000 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: Jolly Farmer is offering "precooled" 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 soiless 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

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"=1ppp

10" = 3 ppp **Media**

Should be well drained with a pH of 5.6.

Temperature

Production is ideal in a cool and airy $35-40^\circ$ F. This will produce a tough toned finished plant with very little problems with pest or diseases. Ventilation should be used when temperatures reach $48-50^\circ$ 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 yd3. 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 Ethryl (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 rangenearly 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 rootrot 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 $\ensuremath{^{\circ}}$ 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.

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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, Syngenta & 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.

Liaht

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. Rootbound 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/qal)

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 Compas-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. Rootbound 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/aal)

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 Compas-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	



KATHY'S CORNER

VASHON, WASHINGTON

It feels like every plant is grown,
packaged and sent to us with love.
I open a box and love pours out!
- Kathy



MOLLY'S GARDEN GREENHOUSE

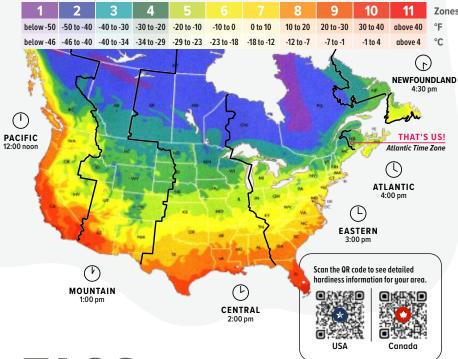
YORKTON, SASKATCHEWAN

The plants arrived we have them all unpacked and they are amazing - the quality is outstanding and we couldn't believe how well packed they were.

- Carmen



HARDINESS & TIME ZONES



TAGS

NEW Tags are no longer included in the cost of your liners

Tags for all vegetative liner material will be booked 1:1 automatically and will be billed along with your plants. If you do not want tags, you may reduce or opt out of purchasing tags from us. However, some items require breeder approved tags for all retail sales; these may be purchased from Jolly Farmer or from a tag vendor of your choice. Please refer to the tagging requirements in the product description. Tags for seed started material may be purchased as well, but will not be automatically booked for you. Once tag orders have been downloaded to MasterTag for processing, we are not responsible to make exchanges in the event that plant subs occur, and minimum quantities still apply.

Editing your default tag order

Instead of purchasing the default quantities, you can specify the number of tags you need. You may state a quantity such as 100 tags or a ratio such as 1 tag per 6 plants.

Minimum per variety: 50 tags

Freight Charge: \$15 for shipments less than 1500 \$25 for shipments less than 1000 Tags will be shipped the same week as your plants unless you specify otherwise.

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.





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

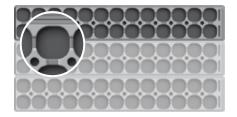
Liners

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



TRAY SIZES



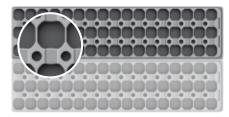
26 STRIP

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.

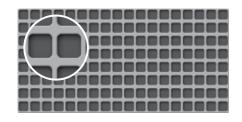


51 STRIP

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 ½ of a tray towards your volume discount.



144 TRAY

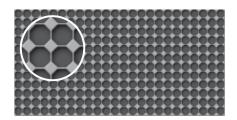
20" X 10"

"True" size tray. Guaranteed count indicated per variety in "count per tray" column on price list.

Used for both plugs & liners

Most "regular" annuals are double sown, with exceptions for items that prefer to be multi or single sown.

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.

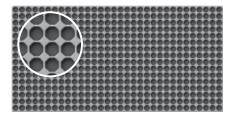


288 TRAY

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.

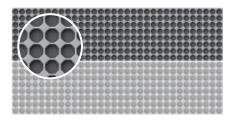


512 TRAY

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 $\frac{1}{2}$ 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 $\frac{1}{2}$ of a tray towards your volume discount.

SHIPPING & DELIVERY



MICHELLE KRAUSE

ST. JOSEPH

Kudos to your packing personnel!
Flowers arrived via common carrier and the boxes were sideways, upside down, anything but the way they should have been. I opened up the boxes and all the flowers were fine! Great shipment this year! All the plants look really healthy.

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 card-board sleeve to protect it during shipping.



Orders are scanned to ensure accuracy.



Finally the boxes are palletized, loaded onto trucks and shipped to our customers.



DISCOUNTS

Early Order Discount

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, 2024 and October 31, 2025. 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 $\frac{1}{2}$ tray and 26 count strips count as $\frac{1}{3}$ 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

Pay for your orders by December 31, 2024 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

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.

2 EARLY PAYMENT FOR CHARGE ACCOUNTS

If you have been approved to have an account with Jolly

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 1, 2024

WINTER-SPRING PLUGS November 1, 2024

MUM & ASTER LINERS January 15, 2025

SUMMER/FALL PLUGS & LINERS May 30, 2025

WINTER/SPRING LINERS October 1, 2025

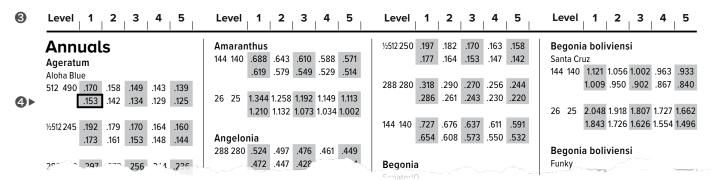
WINTER/SPRING PLUGS October 31, 2025

Preview from price book

To find your price for an item, first check the EOD (Early Order Discount) date **1**. If you are ordering before this date, use the second line of pricing **4**. Then find your Accumulated Annual Volume level **2**. Use the corresponding column of pricing **3**.

Early Order Deadlines Liners: October 1, 2024 | Plugs: November 1, 2024 | Discounted prices on second line for each item. | Refer to order form for sizes offered.

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



Not actual pricing.

0

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!

Note: ACH discounts are not in addition to prepayment discounts.

Email to: ach@jollyfarmer.com

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.

Send to: ach@jollyfarmer.com

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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Calendula - plugs 61	Eupatorium - foliage	Kale - vegetables	Petunia - <i>liners</i>	Torenia - plugs
Calibrachoa - liners 120	Euphorbia - <i>liners</i>	Kniphofia - perennial 192	Petunia - plugs	Tradescanita - foliage 173
Callisia - foliage	Euphorbia - perennial	Lamiastrum - foliage 170	Petunia, Wave Combos 51	Verbena - herbs
Campanula - perennial 186	Evolvulus - <i>liners</i>	Lamium - foliage	Philodendron - foliage 171	Verbena - liners
Canna - plugs	Fennel - herbs	Lampranthus - succulents 179	Phlox - perennial	Verbena - perennial
Carnation - perennial 186	Ferns. 173	Lantana - liners	Phlox - plugs	Verbena - plugs
Cauliflower - vegetables 94	Ficus - foliage	Lavender - herbs	Physalis - vegetables 98	Veronica - perennial
Celery - vegetables 94	Flowering Cabbage - plugs 66	Lettuce - vegetables	Pilea - foliage	Vinca - foliage
Celosia - <i>liners</i>	Flowering Kale - plugs 66	Leucanthemum - perennial 193	Platycodon - perennial 196	Vinca - perennial
Celosia - plugs	Fuchsia - <i>liners</i>	Liatris - perennial 193	Plectranthus - foliage 172	Vinca - plugs
Cerastium - perennial 186	Gaillardia - perennial	Lisianthus - plugs	Plumbago - liners	Viola - plugs
Chamomile - herbs 104	Gasteria - <i>succulents</i> 178	Lobelia - <i>liners</i>	Polemonium - perennial 196	Zinnia - <i>plugs</i> 90

charitable outreach



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GREG & ALEX MUIR

It is with much gratitude that we send you this note. Thank you for your very generous gift towards providing our Bible and radios for distribution in Bolivia. This heartfelt gift will make it possible for around 280 Quechua families to have God's Word in their heart language so they can understand it better. Again, thank you so much for this blessed gift.



INTERCEDE INTERNATIONAL

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Greetings in Jesus' name! Thank you on behalf of the thousands of God's people and others they are reaching with the good news! We don't have enough words to thank you for your blessings to the nations!





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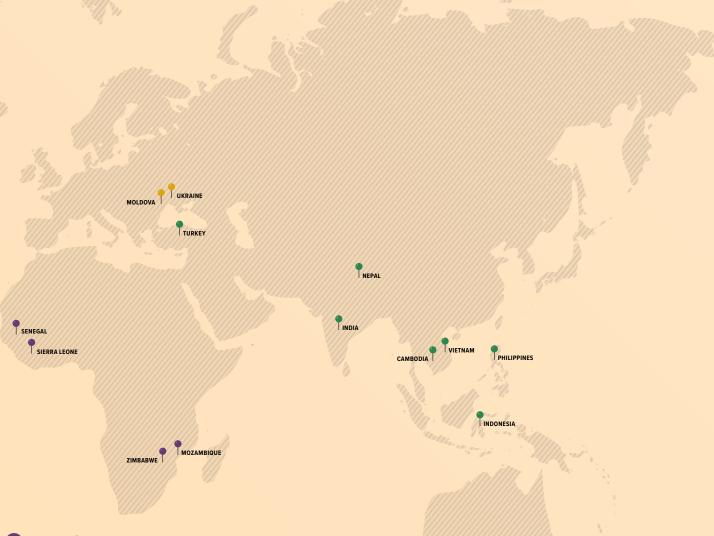
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This page represents a selection of the organizations we support globally, reflecting our commitment to spread the gospel of Jesus and help those less fortunate.





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