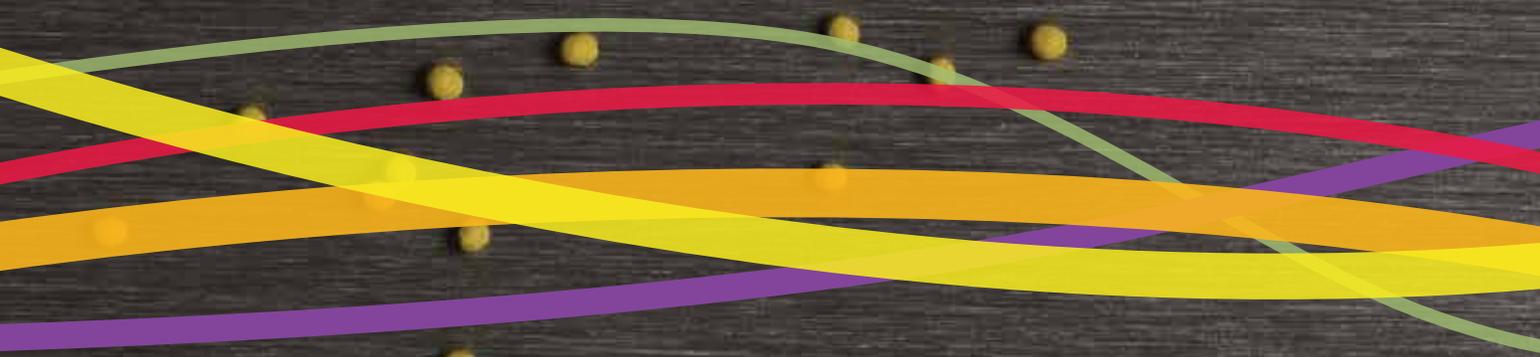
The background of the cover is a dark grey, textured surface. Scattered across the top half are various types of seeds, including yellow and brown ones. A series of overlapping, wavy ribbons in purple, yellow, orange, red, and green flow across the middle of the page. The word 'seed' is printed in large white letters at the bottom.

2016
CATALOGUE

seed

PanAmerican Seed® KieftSeed

USE THE POWER OF SEED



SAFE

Order, store and schedule
without risk.



EFFICIENT

Slots right into your
mechanized production.



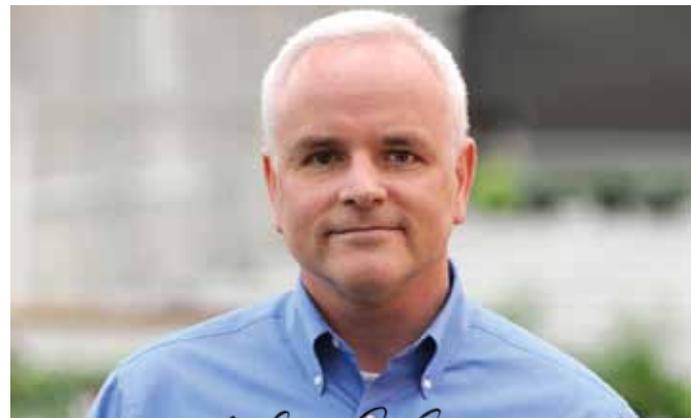
AVAILABLE

Get what you need,
when you need it.



ECONOMICAL

High-performance results
with less labour, lower cost.



Promising you confidence in every crop

PanAmerican Seed was built on timeless classics like impatiens, marigolds, petunias, pansies and snapdragons that have given generations of gardeners a deep sense of satisfaction.

Never content to say “done,” our breeders constantly fine-tune these bread-and-butter products with on-trend colours... impactful performance upgrades... new seed technologies and production efficiencies. Each is on target to *improve your profitability.*

That same commitment has opened the door to unparalleled introductions like Kabloom and dozens of other premium options that give you the power to successfully *convert your production from vegetative to seed.*

Classic or cutting edge, we’re committed to bringing you the best that seed can offer. Factor in world-class personal service, product availability and marketing support, and you’re equipped with you all you need to *grow and sell with confidence.*

Mark Short
Global Sales Director
PanAmerican Seed

Featured left: **Kabloom**, the 1st seed calibrachoa.
A game changer for your business.



New. Classic. Proven. Innovative. Powerful.

Our product lineup constantly evolves to fit the modern marketplace and assure that your bottom line remains healthy. In these pages, you'll catch up with long-time favourites...and meet all-new genetics sure to make their mark on growing. However, the one thing that will never change: PanAmerican Seed is 100% committed to moving you smoothly from Seed to Success.

PanAmerican Seed® **KieftSeed**



ANNUALS
P. 16

**REVOLUTION
GERBERA**
P. 168

PERENNIALS
P. 176

CUT FLOWERS
P. 208

**HANDPICKED
VEGETABLES
& HERBS**
P. 236



More new ways to stand out from the crowd

The most recognized plant brand in the world delivers gardening, selling, installing and growing success, year after year. Once home gardeners try Wave products, they want more. Marketing support for retail programs keeps Wave in focus and brings them back to the garden centre, where Wave branded containers make it easy for them to find their favourite flowers!

NEW FOR 2016:

Easy Wave® Pink Passion P. 108

Easy Wave Silver P. 108

Easy Wave Yellow P. 108

Shock Wave® Yellow P. 106

Tidal Wave® Red Velour P. 112

panamseed.com/wavebrand

A large, stylized white wave graphic that spans the width of the page, positioned above the PanAmerican Seed logo.

PanAmerican Seed®

The power of satisfaction

Grower to gardener, the party never stops when Wave is invited! The world's best-known petunias continue to transform gardens around the globe with their *easy spreading colour*. And with more premium choices like Easy Wave Pink Passion replacing vegetative counterparts, you can count on the Wave brand to remain at the top of everyone's "must-have" list.



COOL wave[®]

PANSIES

The best pansy ever builds multi-season sales

Grab those early-bird gardeners with Cool Wave's fresh Spring colours to wake up their gardens and baskets. Entice them once again with rich tones just perfect for Autumn décor. The longest-lasting, fastest-growing trailing pansy, Cool Wave promises twice the spread...double the colour for all their cool-season needs.

NEW FOR 2016:

Cool Wave[®] Blue Skies P. 90
Cool Wave Lemon Surprise P. 90
panamseed.com/wavebrand

PanAmerican Seed[®]

The power of easy décor

A festive centrepiece fashioned with Cool Wave pansies adds fresh colour to every garden party. Just imagine what the colours of the season will do to dress up Spring and Autumn gardens, mixed combos and patio planters. Effortless never looked so good! Pictured here, new Cool Wave Blue Skies and Lemon Surprise. Love the look? More DIY at wave-rave.com.



GATEWAY TO GARDENING

Easy décor to attract - and keep - today's young shopper

We dare you to try to keep store displays filled with these fresh, care-free plants. On-the-go consumers will snap up these "buy and enjoy" varieties to personalize their spaces, indoors and out. Little do they know that once they taste success, they'll be tempted to try out even more types of gardening!



REVOLUTION GERBERA COLLECTION

"Take-me-home-today" good looks show off a rainbow of gorgeous colours.

P. 168

MISS SUNSHINE SUNFLOWER

Nothing brings on a smile faster than her bright and perky daisy-like blooms!

P. 146

NEW BANDERA PURPLE LAVENDER

Fantastic flower power for them... super-easy to grow for you. It's not your grandma's lavender by any stretch of the imagination!

P. 194

SIMPLYHERBS

Foodies can't pass up patio-ready colour bowls filled with fresh, home-grown flavour.

P. 246

KieftSeed
PanAmerican Seed.

The power of inspiration

Wheeling her toddler down the aisle of her favorite local market in pursuit of tonight's dinner, she stops in her tracks to enjoy the newest Revolution gerbera. Next thing you know, it's nestled in her tote alongside the gelato and the radicchio. A mere 30 minutes later, this pretty plant decorates her desk. Impulse...sure. Inspiration...absolutely!



LANDSCAPE LOVERS

High-value, low-hassle products keep the pros successful

Landscaper success rides on choosing varieties that fill in fast, look better, stand up to fickle weather and deliver full turns. You'll want to shine the spotlight on these newcomers - each proven to deliver a huge bang for the buck when it comes to managing revenue and labour.



NEW HOT PAK HEAT-TOLERANT MARIGOLD

Extend your season into the hottest months.

P. 72

SERENITA® ANGELONIA

Water-wise...shatter-proof...deer & rabbit resistant.

P. 20

DIVINE NEW GUINEA IMPATIENS

Replace your *I. walleriana* - it's your best shade alternative!

P. 60

NEW VALIANT VINCA

Vigorous hybrid stands tough in the landscape - it's a survivor!

P. 150

The power of solid solutions

What matters to landscapers most in annuals is long-lasting colour. Varieties like new Hot Pak elevate tried-and-true classes to a whole new level. It's the first French Marigold series bred to *bloom all Summer long, even in the highest temperatures and humidity*. Energize your sites with the hardest-working plants in the business.



COMBO SOLUTIONS

High-performance options from value to upscale

Choose trialed and proven PanAmerican Seed genetics to kickstart your mixed containers and you can count on bench-to-garden success. Their tempting good looks give retailers valuable selling opportunities...and let consumers take home big-impact, big-satisfaction combos!

FUSEABLES®

"Easy-sow, easy-grow" Precision Multi-Pellets offer the only combo program from a single pellet.

P. 46

MADE WITH WAVE® FUSEABLES

Packs a double punch – beautiful balanced combos featuring the most-asked-for flower brand!

P. 48

WAVE MEDLEYS™

Grow good-looking, well-balanced mixes in one pot *without a royalty!*

P. 114

MADE WITH WAVE®

& COOL WAVE®

Boost the value of your premium containers by adding these known-by-name varieties.

Wave Petunias P. 106
Cool Wave Pansies P. 90

PREMIUM ANNUAL COMBOS

Think outside the pack! Premium container products from seed are easily within your reach...any time of year.

Featured through the catalogue.

PREMIUM COMBOS WITH PERENNIALS

Set yourself apart with proven, programmable combos featuring first-year-flowering, mid-season varieties.

P. 204

KieftSeed
PanAmerican Seed®



The power of fitting the niche

From Value mixed container programs to fill early-season displays, to Better price point opportunities and Premium designer blends that compare to vegetative combos, you have great access to both ready-to-sow options plus a steady stream of great ideas for creating your own at panamseed.com.

PREMIUM ANNUALS

Seed gives you added flexibility in the most popular classes

Take your program beyond black plastic with versatile and low-risk PanAmerican Seed varieties packed with colour, texture and style. With seed on the shelf, you're always in complete control of when to sow, grow and ship. Ideal for grower choice quart and larger programs, our premium products are easily within your reach...Spring, Summer and Autumn.



NEW KABLOOM® CALIBRACHOA

The 1st seed calibrachoa pumps out as much flower power as every mid-vigour vegetative variety!

P. 26

NEW JOLT DIANTHUS

The most heat-tolerant Interspecific Dianthus promises *Shocking Summer Colour!*

P. 39

NEW KONG SCARLET IMPROVED COLEUS

Count on huge impact and huge sales from the king of coleus.

P. 34

NEW DIVINE PINK IMPROVED NEW GUINEA IMPATIENS

Best-in-class seed quality promises full, lush landscapes, baskets and planters for every shady setting.

P. 60



The power of higher retail value

Grow our Premium Annuals with the ease and efficiency of seed...deliver dramatic good looks and dependable performance that meets or beats their vegetative counterparts. When stunners like all-new Kabloom Deep Pink calibrachoa arrive in the store, they're most-deserving of their store-front status.



Classics for today and tomorrow

Pan American Seed is recognized for leading seed genetics in petunias, pansies, marigolds and vincas. Grow and sell exciting innovations like Serena® and Serenita® angelonias, Dragon Wing® begonias, Divine New Guinea impatiens. And today, our breeding teams are hard at work creating the next superstars...like Kabloom, the first seed calibrachoa, and Jolt, the most heat-tolerant interspecific dianthus. Stay tuned!

Cool Wave® Golden Yellow Spreading Pansy crushes the competition for trailing and filling containers...vigour...overwintering. P. 90

PanAmerican Seed®



Bella Select Mixture Abutilon

Bella Vanilla

Bella Yellow

Bella Pink



Bella Apricot Shades



Bella Salmon Shades



Bella Deep Coral



Bella Red

F1 ABUTILON 🌞

Abutilon x hybridum (Flowering Maple, Chinese Bell Flower)

Bella Series

Height: 14 to 18 in./35 to 45 cm
Spread: 14 to 18 in./35 to 45 cm

Plug crop time: 3 to 5 weeks
Transplant to finish: Spring 6 to 8 weeks, Autumn 8 to 10 weeks

Supplied as raw seed.

- Compact series for outdoor containers; also good in indoor plant programs.
- Germinates easily.
- True dwarf needs little or no growth regulators.
- Well-branched plants bloom continuously, even in high heat.
- Large, 3-in./7-cm, bell-shaped blooms “look up” for a good show of colour; under cooler conditions, colours intensify.

ACANTHUS MOLLIS

A. mollis, see page 177.

ACMELLA

See *Spilanthes*, page 145.

AGASTACHE

Pink Pop, see page 177.

CUT FLOWER AGERATUM

Everest Blue, see page 210.



High Tide Blue & High Tide White Ageratum

F1 AGERATUM 🌞

Ageratum houstonianum

High Tide Series 🌊

Height: 14 to 16 in./35 to 40 cm
Spread: 12 in./30 cm

Plug crop time: 4 weeks
Transplant to finish: 7 to 9 weeks

Supplied as pelleted seed.

- Dense, mounded hedge of colour is taller and more vigorous than other landscape ageratum.
- Outlasts standard bedding types in gardens and mixed containers.
- Strong branching fills out packs and pots quickly.
- Self-cleaning and easy-care.
- Also well-suited to indoor plant programs.

ALCHEMILLA

Alma, see page 177.

Irish Silk, see page 177.



Jazze Rose Frost Alstroemeria



Jazze Deep Rose Alstroemeria

F1 ALSTROEMERIA 🌞

Alstroemeria x hybrida

Jazze® Series

Height: 10 to 16 in./25 to 40 cm
Spread: 8 to 12 in./20 to 30 cm

Plug crop time: 8 to 9 weeks
Transplant to finish: Spring 12 to 17 weeks, Autumn 20 to 23 weeks

Supplied as raw seed.

- Versatile series for indoor houseplants and outdoor containers and beds.
- Uniform flowering with large blooms.
- Plants flower all season in cool climates.
- When grown cool, no growth regulators needed.
- Performs as a perennial where the ground does not freeze.
- Prefers a sheltered growing location with partial shade; flowers may fade in full sun.



Clear Crystal White & Clear Crystal Lavender Shades Alyssum



Purple Knight Alternanthera



Clear Crystal White Alyssum
Fleuroselect Novelty US 7,915,504



Clear Crystal Lavender Shades Alyssum US 7,915,504



Clear Crystal Purple Shades Alyssum
US 7,915,504



Clear Crystal Mixture Alyssum
US 7,915,504

ALTERNANTHERA 
Alternanthera dentata

Purple Knight 

Height: 18 to 36 in./45 to 90 cm
(varies by location; taller in warmer conditions)

Spread: 2 to 3 ft./60 to 90 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- Economical, easy-to-produce plant is an ideal accent for mixed containers and excellent in the landscape as a vigorous bedding plant.
- Also well-suited to indoor plant programs.
- Very heat tolerant - thrives even in subtropical Summer conditions.
- Foliage colour is darkest in full sun.

Mississippi Medallion Award

ALYSSUM 
Lobularia maritima

Fuseables® Wine Cooler

See page 46.

Clear Crystal® Series 

Height: 6 to 10 in./15 to 25 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 weeks

Transplant to finish: 4 to 6 weeks

Supplied as coated seed and multi-seed pellets.

- Tetraploid alyssums deliver more vigour than standard diploids for reduced loss and increased profits.
- Few PGRs are needed in most markets - cool-season crop can be grown with little or no heat for Spring pack programs.
- More vigorous with larger flowers than Easter Bonnet.
- Fragrant, large blooms and stronger performance in containers, hanging baskets and in-ground plantings.
- Well-matched series includes the first pigmented tetraploid alyssums.



Easter Bonnet White Alyssum



Easter Bonnet Lavender Alyssum *RHS Award of Garden Merit*



Easter Bonnet Violet Alyssum *Fleuroselect Quality Award, RHS Award of Garden Merit*



Easter Bonnet Lemonade Alyssum



Easter Bonnet Deep Pink Alyssum



Easter Bonnet Deep Rose Alyssum



Easter Bonnet Peach Alyssum



Easter Bonnet Pastel Mixture Alyssum



Easter Bonnet Formula Mixture Alyssum

Easter Bonnet Series

Height: 4 to 10 in./10 to 25 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 5 weeks

Supplied as raw and coated seed.

- Offering a full colour range, Easter Bonnet combines uniformity of habit and colour with unsurpassed earliness.
- Covered with dainty, fragrant flowers, plants stay compact and tidy much longer than other alyssums, making these excellent edging plants.

Pastel Mixture contains pastel shades from lavender and pink to white.

Snow Crystals

Height: 6 to 10 in./15 to 25 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- Large, pure white, scented flowers have outstanding sales appeal.
- Tetraploid genetics of Snow Crystals add heat tolerance and vigour.
- Slightly smaller blooms, lighter green foliage and less controlled habit in the pack than Clear Crystal White.



Snow Crystals Alyssum *Fleuroselect Gold Medal*



Graceland Ammi *Fleuroselect Quality Award*

AMMI 🌞
Ammi majus

Graceland

Height: 40 to 55 in./1 to 1.4 m
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 4 to 6 weeks
Transplant to finish: 8 to 10 weeks

Supplied as raw seed.

- Produces more quality stems, an easier harvest and a better return per square foot/metre.
- Healthy, dark green foliage means less cleaning during harvest.
- Uniform growth prevents side shoots overgrowing the main umbel, resulting in a more manageable height.
- Can be used in professional cut flower programs in high tunnel and field production.



Casablanca Ammi

AMMI 🌞
Ammi visnaga

Casablanca

Height: 40 to 50 in./1 to 1.25 m
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 4 to 6 weeks
Transplant to finish: 10 to 12 weeks

Supplied as raw seed.

- Larger, more mounded umbels than *Ammi majus*, with clear white flowers.
- Strong, straight stems with no side shoots for easier harvest and better return per square foot/metre.
- Very uniform, low-energy crop can be grown indoors and outdoors.
- Can be used in professional cut flower programs in high tunnel and field production.

ANEMONE

Mona Lisa® Series, see page 209.

ANEMANTHELE

See **ColorGrass**, page 52.

ANETHUM

See **Dill**, page 246.



Lisa Lacy

Lisa Lacy
Senior Global Product Manager

USE THE POWER OF HARD WORKING

Serena and Serenita continue to tick every box from sow to show: Easy and no-pinch on the bench. Big in-store impact. Unyielding 3D colour in every sunny setting. Heat-loving, water-wise and long-lasting. Deer and rabbit-resistant. Really, you'd be hard pressed to find a reason to not include these terrific, high-appeal players in your program.



Serena Purple

Serenita Purple

Your no-pinch, low-hassle angelonia

Serenita and "big sister" Serena are the only seed angelonias on the market, giving you the premium results you expect from vegetative varieties, with less labour and more efficiency. Both fit into warm bedding production...are perfect for grower choice premium containers...and excel in landscapes, thanks to their high durability.

F1 ANGELONIA ☀️
Angelonia angustifolia

Serena® Series

Height: 16 to 20 in./40 to 50 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 8 to 9 weeks

Supplied as pelleted seed.

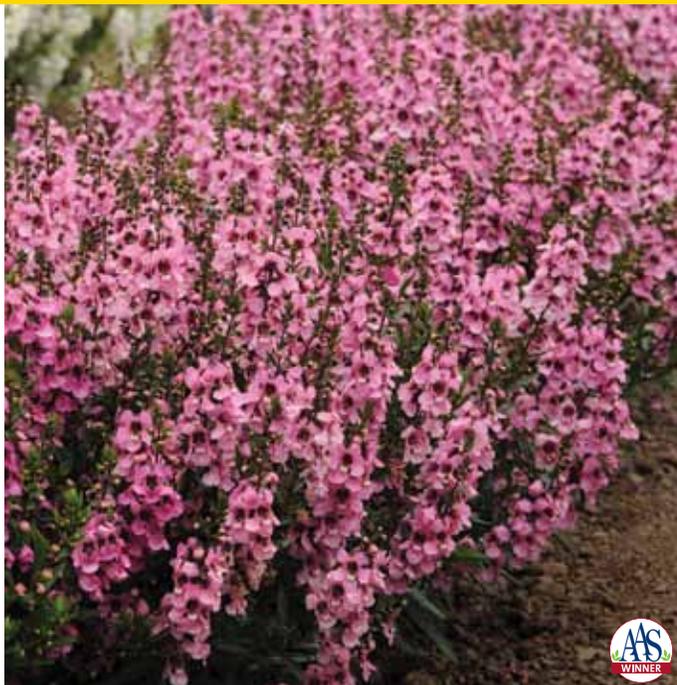
- Serena fills gardens, landscapes and mixed containers with unique dimensional colour.
- Care-free, continuous bloomer performs well under a wide range of conditions.
- Durable series is a perfect choice for consumers looking for water-wise, heat-loving plants.
- Plants grow up to 50% larger in Floridalike conditions.

White is winner of *North Texas Winner's Circle Award*.

Waterfall Mixture includes Purple plus a sky blue and white segregating mix (not available separately).

Mississippi Medallion Award, Dallas Arboretum FlameProof Award, Louisiana Super Plants Award

serena® & serenita®



Serenita Pink All-America Selections National Winner



NEW
Serenita Mixture Improved



Serenita Pink and Serenita White with Silver Falls Dichondra



Serenita White



Serenita Lavender Pink



NEW
Serenita Sky Blue



Serenita Raspberry

Serenita® Series

Height: 12 to 14 in./30 to 35 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 8 to 9 weeks

Supplied as pelleted seed.

- Serenita has all the good looks, durability and easy production of Serena - with a few additional benefits.
- Excellent solution where shorter and more manageable material is needed.
- Peak performer in very hot/humid night temps like Florida, southeast Asia and similar southern climates.
- Great for high-density production in the North.
- Grow Serenita with less to no PGRs for cost savings.

New Sky Blue colour holds up in high heat and light; lighter than Serena Blue and distinctive from Serenita Purple. Timing and height are like Raspberry.

New Mixture Improved adds Sky Blue.



Serena Mixture



Serena Waterfall Mixture



Serenita Purple



Serena White



Serena Lavender



Serena Purple



Serena Blue

dragon wing® & babywing®



Dragon Wing Red



Bart Sneek

Bart Sneek
Senior Global Product Manager

USE THE POWER OF HOT NEW COLOURS

We've reinvented BabyWing with the debut of a pair of in-your-face new colours - must-have Red and glowing Bicolor - plus a vibrant five-colour Mix. But trust us, that's all that's changed - this early-season salesmaker still promises to deliver its best-in-class heat tolerance, super shipability and stress-free growing.

F1 BEGONIA 🌞
Begonia x hybrida

Dragon Wing® Series

Height: 12 to 15 in./30 to 38 cm
Spread: 15 to 18 in./38 to 45 cm

Plug crop time: 7 to 8 weeks
Transplant to finish: 7 to 9 weeks

Supplied as pelleted seed.

- Grows lush and vigorous in southern U.S. heat and under cool, stressful conditions of northern Europe and Canada.
- Unique and beautiful arching, pendulous habit is spectacular in hanging baskets, large containers and commercial landscaping plantings.
- Angel-wing leaves and large blooms give Dragon Wing a dramatically different look.
- Easy to grow from pelleted seed, it surpasses vegetative varieties for branching, vigour and flower power.

Georgia Gold Medal Winners

Some like it HOT!

Even when temperatures blaze, Dragon Wing and BabyWing keep on pumping out the colour in gardens and patio planters all season long. Thanks to their best-in-class "bullet-proof" performance, fast fill-in and easy-care nature, this dynamic duo is chosen by landscapers and homeowners over and over.

dragon wing® & babywing®



NEW
BabyWing Bicolor



NEW
BabyWing Red



NEW
BabyWing Mixture



BabyWing White

BabyWing® Series

Height: 12 to 15 in./30 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 7 to 8 weeks
Transplant to finish: 5 to 7 weeks

Supplied as pelleted seed.

- Maintenance-free BabyWing flowers 10 days to 2 weeks earlier than Dragon Wing, with continuous colour and small Dragon Wing-shaped leaves.
- Upright, mounded plants have a controlled habit that stands up to shipping.
- Season-long performance in landscapes and containers.
- Extremely heat tolerant and handles stressful conditions well.

New Bicolor shows a hint of "orange glow" on each flower along with the novel colour pattern. Slightly smaller flowers than others in the series, but very floriferous for the same overall flower power.

New Red adds a key colour to the series. Green leaves can show red picotee edge when young.

White may develop a slight pink blush in full sun. Well-matched to Pink.

New Mixture includes all colours.

FOLIAGE BEGONIA

Grayphon, see page 25.



BabyWing White



BabyWing White Bronze Leaf



BabyWing Pink



Dragon Wing Pink EU 10351



Dragon Wing Red



Pot 'N Patio Mixture Aster



Pot 'N Patio Blue Aster



Pot 'N Patio Pink Aster



Pot 'N Patio Scarlet Aster



Pot 'N Patio White Aster



Blutopia Bacopa



Snowtopia Bacopa

ANTIRRHINUM

See Snapdragon, page 143 and
Cut Flower Snapdragon, page 226.

AQUILEGIA

Clementine Series,
see page 177.

Songbird Series,
see page 179.

Swan Series,
see page 180.

Winky Single Series,
see page 178.

Winky Double Series,
see page 178.

ARABIS

Lotti Series, see page 181.

Spring Charm, see page 181.

ARENARIA

Avalanche, see page 181.

ARMERIA

Ballerina Series, see page 181.

ASCLEPIAS

Silky Series, see page 210.

CUT FLOWER ASTER

Meteor Series, see page 210.

POT ASTER

Callistephus chinensis

Pot 'N Patio Series

Height: 6 in./15 cm
Spread: 6 in./15 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 8 weeks

Supplied as raw seed.

Dwarf plants flower just 90 days from sowing during the short days of Winter and early Spring without additional lighting. Perform well in patio pots, colour bowls and mixed container plantings, producing 2.5 to 3-in./5 to 7-cm, double blooms. Not recommended for landscape plantings.

BACOPA (SUTERA)

Sutera cordata

Fuseables®

See page 46 for Fuseables varieties containing Bacopa.

Blutopia® & Snowtopia®

Height: 6 in./15 cm
Spread: 18 to 24 in./45 to 60 cm

Plug crop time: 3 to 4 weeks
Transplant to finish: 4 to 6 weeks

Supplied as multi-seed pellets.

- First-ever bacopas from seed let you fully mechanize production, with easy crop scheduling, quick turns, no pinching and no need for stock plants.
- Economical choices for accent plant programs.
- Perform well in large planters and mixed containers.

Blutopia has lavender-blue flowers that are the same colour as traditional blue bacopas. Slightly smaller leaves than Snowtopia, typical of vegetative blue bacopas. Mounded habit compared to slightly prostrate Snowtopia. **Snowtopia** produces beautiful white flowers that offer the same colour as traditional white bacopas. Larger leaves than Blutopia, typical of vegetative white bacopas.

BASIL

See **Vegetables & Herbs**, page 246.



Maracas Brazilian Fireworks



Blue Bells Browallia



Marine Bells Browallia



Silver Bells Browallia



Gryphon Begonia

BELLIS

Bellissima Series,
see page 184.

BELLS OF IRELAND
See **Molucella**, page 225.

BRAZILIAN FIREWORKS 🌞🌧️
Porphyrocoma pohliana

Maracas

Height: 6 to 8 in./15 to 20 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 7 to 8 weeks
Supplied as raw seed.

- Heat-loving tropical shade plant performs well as a bedding plant, groundcover or in containers.
- Best grown warm in production.
- PGRs will enhance silver variegation in the foliage and encourage earlier flowering.

BROWALLIA 🌞🌧️

Browallia speciosa major

Bells Series

Height: 10 to 12 in./25 to 30 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 5 weeks
Transplant to finish: 9 to 11 weeks

Supplied as raw seed.

- Ideal for hanging baskets, tubs and mixed containers, the free-flowering, vigorous plants have 1.5-in./4-cm blooms.
- Requires long days to bloom; packs flower in 14 weeks.

BUPLEURUM

Griffiti, see page 210.

FOLIAGE BEGONIA 🌞🌧️

Begonia x hybrida

Gryphon

Height: 14 to 16 in./35 to 40 cm in shade, 12 to 14 in./30 to 35 cm in partial sun; may grow to 30 in./75 cm tall in hot/humid conditions
Spread: 16 to 18 in./40 to 45 cm

Plug crop time: 8 to 9 weeks
Transplant to finish: 5 to 6 weeks

Supplied as multi-seed pellets.

- Showy plant combines beauty with strength and durability - makes a dramatic statement in mixed or solo containers.
- Easy-care, low-water plant is the perfect companion to Dragon Wing® begonia, Kong® coleus, Super Elfin® and Impreza® impatiens, Divine New Guinea impatiens and Silver Crest plectranthus.
- Fits into existing begonia plug culture; easier and quicker to produce than vegetative foliage types.
- More tolerant of stressful conditions than Rex begonias for less shrink.
- Retailers appreciate the longer sales window and versatility for indoor and outdoor sales.
- Unique tropical appearance - perfect impulse item.
- Lets consumers extend their enjoyment by bringing plants indoors at the end of the season.



Jason Jandrew
Regional Breeding Director

USE THE POWER OF NEW OPTIONS

Calibrachoa growers have long faced risks: frozen cuttings, disease, supply restrictions. Kabloom - the world's first seed calibrachoa - offers peace of mind in this very popular class. This fresh opportunity moves you beyond URCs and liners. You can schedule based on your needs, not on cutting availability dates. You can still receive product when the weather holds up vegetative shipments. Best of all...grown side by side with vegetative, it's impossible to tell the difference.

F1 CALIBRACHOA 
Calibrachoa x hybrida

New Kabloom® Series

Height: 8 to 12 in./20 to 30 cm
Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 5 to 8 weeks
Transplant to finish: 7 to 11 weeks

Supplied as pelleted seed.

- First-of-its-kind Kabloom is the ideal input for grower choice premium quarts. Also well-suited to 4 to 6-in./10 to 15-cm pots, hanging baskets and mixed combos.
- Bushy, trailing plants show off abundant, bright blooms.
- Available in core solid colours.

New Deep Blue is the most vigorous with the greatest variation in vigour/habit. Low percentage of purple-blue blooms.

New Deep Pink requires long days for flowering.

New White has no "pinking" and is the most compact of the series.

New Yellow has a more upright plant structure.

NEW Kabloom White

The 1st seed calibrachoa

Kabloom reinvents calibrachoa! Available as easy-to-sow pelleted seed, Kabloom puts *Ease and Efficiency* at your fingertips: it's easy to order and ready to ship, fits right into mechanized production and assures easy inventory management.



NEW
Deep Pink



NEW
Deep Blue



NEW
Yellow



NEW
White PPAF, EU PBRAF, CA PBRAF, JP PBRAF



NEW
Yellow PPAF, EU PBRAF, CA PBRAF, JP PBRAF



NEW
Deep Pink



NEW
Deep Blue PPAF, EU PBRAF, CA PBRAF, JP PBRAF

crave sunset



NEW

Crave Sunset Calibrachoa



NEW

Crave Sunset Calibrachoa

F1 CALIBRACHOA continued

New Crave Sunset

Height: 10 to 14 in./25 to 35 cm

Spread: 12 to 16 in./30 to 40 cm

Plug crop time: 5 to 8 weeks

Transplant to finish: 7 to 11 weeks

Supplied as pelleted seed.

- The first novelty seed calibrachoa!
- Grows more vigorously than the Kabloom series colours.
- Great mixer with red or orange-coloured products for Autumn sales.

CALLISTEPHUS

See **Aster**, page 24 and 210.

CAMPANULA

Campana Series,

see page 211.

New Rapido Series,

see page 184.

CAPSICUM

See **Ornamental Pepper**, page 103 and **Pepper**, page 242.

CAREX

See **ColorGrass**, page 52.



Grenade Orange Carthamus

CARTHAMUS

Carthamus tinctorius

Grenade Orange

Height: 32 to 40 in./80 cm to 1 m

Spread: 8 to 10 in./20 to 25 cm

Direct sowing to finish: 10 to 16 weeks

Supplied as coated seed.

- Features round, thornless leaves and round flower buds atop stems of uniform length.
- Preferably grown as a direct-sown crop.
- Useful for indoor and outdoor professional cut flower production programs for fresh and dried use; can also be used green when harvested young.

Zanzibar (Not pictured)

Height: 32 to 40 in./80 cm to 1 m

Spread: 8 to 10 in./20 to 25 cm

Direct sowing to finish: 10 to 16 weeks

Supplied as coated seed.

- Deep orange to yellow-red flowers resembling thistles top stems of uniform length.
- Preferably grown as a direct-sown crop.
- Suited to indoor and outdoor professional cut flower programs; can be used fresh and dried.

CATHARANTHUS

See **Vinca**, page 150.



First Flame Yellow



First Flame Red



First Flame Early Scarlet Orange



Arrabona Red *Fleuroselect Gold Medal*

CUT FLOWER CELOSIA

Bombay Series, see page 212.

Celway Series, see page 214.

Spring Green, see page 212.

Sunday Series, see page 213.

CELOSIA 🌻

Celosia plumosa

PanAmerican Seed offers you two distinctive types of *C. plumosa* - our shorter Ice Cream and Glow series and mid-height Arrabona Red and First Flame series - to create a winning lineup that meets all your plumosa-type needs.

First Flame Series

Height: 10 to 14 in./25 to 35 cm

Spread: 10 to 16 in./25 to 40 cm

Plug crop time: 3 to 4 weeks

Transplant to finish: 8 to 10 weeks

Supplied as coated seed.

- Excellent, brightly coloured Summer crop finishes 10 to 14 days earlier than competing varieties to reduce production costs.
- Branches like a regular *C. plumosa* to produce full blooms.
- Uniform across all colours for a fuller look in containers.
- Ideal for Asian and southern markets.
- Makes ideal border plants, also good in containers.
- Will not perform well in cool conditions like Pacific Northwest.

Arrabona Red

Height: 10 to 14 in./25 to 35 cm

Spread: 10 to 16 in./25 to 40 cm

Plug crop time: 3 to 4 weeks

Transplant to finish: 8 to 10 weeks

Supplied as coated seed.

- The first well-branched intermediate plumosa type.
- Striking red-orange flowers on compact, sturdy plants with smaller leaves.
- Superior overall uniformity and excellent germination.
- Tolerates drought and loves the heat - great for tropical, subtropical and continental climates.
- Exceptionally long-flowering in borders and containers.
- Best-performing celosia for the landscape.



NEW

Ice Cream Mixture Improved



Ice Cream Light Yellow



Glow Pink



Ice Cream Yellow



Glow Carmine



Ice Cream Pink



Ice Cream Orange



NEW

Ice Cream Cherry Improved



Glow Red

CELOSIA PLUMOSA continued

Ice Cream Series

Height: 12 in./30 cm

Spread: 10 in./25 cm

Plug crop time: 3 to 4 weeks

Transplant to finish: Packs, 8 to 10 weeks; 4 to 5-in./10 to 13-cm pots, 9 to 12 weeks

Supplied as coated seed.

- Heat-resistant, long-lasting series stands tough when temperatures rise - Ice Cream won't melt in the sun!
- Early, compact and well-branched.
- Produces large, tight flower heads in strong colours for striking sales appeal.
- Puts on stunning shows in patio planters or gardens.
- Versatile - great for bench-run pack and small pot programs.

New Cherry Improved is shorter than original Cherry to better match series uniformity.

Light Yellow was formerly Banana.

Pink was formerly Peach.

Yellow was formerly Mango.

New Mixture Improved offers a well-matched mix of Light Yellow, Pink, Orange and NEW Cherry Improved.

Glow Series

Height: 10 to 12 in./25 to 30 cm

Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- Finishing slightly later than other compact celosia, Glow has the best garden performance under a wide range of conditions, outperforming standard celosia in heat.
- Uniform, well-branched plants are ideal for landscapes, containers, mixed plantings.
- Also works in indoor plant programs.



Kosmo Mixture



Kosmo Yellow



Kosmo Vanilla US FVP 200400021



Kosmo Pink US FVP 200400022



Kosmo Salmon



Spiky Pink Fleuroselect Quality Award



Spiky Purple



Kosmo Cherry



Kosmo Purple Red Fleuroselect Novelty

CELOSIA 
Celosia spicata

Kosmo Series

Height: 8 in./20 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 3 to 4 weeks
Transplant to finish: 9 to 11 weeks

Supplied as coated seed.

- Genetically dwarf series for year-round pot and pack programs needs no PGRs or pinching.
- Produces a main stem at the base with many side spikes; flower heads top well-proportioned leaves.
- Short production time, long retail shelf life and excellent garden performance.

Spiky Series

Height: 16 in./40 cm
Spread: 8 to 12 in./20 to 30 cm

Plug crop time: 2 to 4 weeks
Transplant to finish: 12 to 15 weeks

Supplied as coated seed.

- Once flowering, the upright, red-stemmed plants continue to develop by extending flower spikes into attractive forms with Summer-long colour.
- Outstanding in well-drained, sunny borders and patio planters; excellent landscape variety for warmer areas.

CINERARIA

See **Dusty Miller**, page 43.

premium sun coleus



Crimson Gold with Sophistica Lime Green Petunia & Sirocco Anemanthele

Shining stars

Show-stopping colours...bold patterns...rich textures: Pro landscapers and gardeners love these centre stage varieties for their great looks and reliable performance in sunny gardens and patio planters.



NEW
Flip Side

PREMIUM SUN COLEUS *Solenostemon scutellarioides*

The varieties on these two pages can tolerate full sun in regions of high relative humidity such as Hardiness Zones 9 and 10, or in areas with low light intensity such as Northern Europe. Foliage will scorch in full sun with low relative humidity. All are suitable for shade.

Fuseables®

See page 46 for Fuseables varieties containing Coleus.

Plug crop time: 5 to 6 weeks

Transplant to finish: 6 to 8 weeks

All Premium Sun Coleus are supplied as pelleted seed.

Chocolate Covered Cherry

Height: 12 to 14 in./30 to 35 cm
Spread: 10 to 12 in./25 to 30 cm

- Boldly patterned, multi-coloured foliage makes a great companion to our other “chocolate” coleus: Chocolate Mint, Chocolate Splash and Dark Chocolate.
- Non-fading colour pattern: rose centre on each leaf is surrounded by deep mahogany and edged with green.
- Late flowering and dwarf size are adaptable to pack and pot programs.
- Performs well in planters and small gardens in sun and shade.

Chocolate Mint

Height: 14 to 20 in./35 to 50 cm
Spread: 12 to 14 in./30 to 35 cm

- Easy-to-grow, dark-leaved plants show off a rich chocolate colour, with each mid-size leaf finely edged in mint green.
- Upright accent plants are well-suited to in-ground plantings and large containers.

Chocolate Splash

Height: 12 to 16 in./30 to 40 cm
Spread: 12 to 16 in./30 to 40 cm

- Each mid-sized green leaf is highlighted by a chocolate splash that varies with age and light exposure.
- Upright accent plants are well-suited to in-ground plantings and large containers.

Crimson Gold

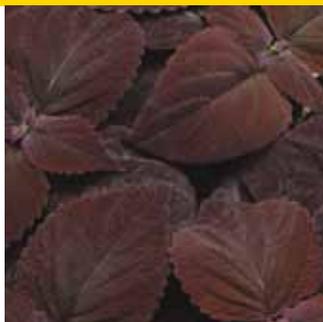
Height: 14 to 18 in./35 to 45 cm
Spread: 14 to 18 in./35 to 45 cm

- Well-branched, vigorous plants show off beautiful, bicolor foliage all season.
- Versatile variety thrives in sun and shade.
- Deep red leaves with golden green edge.
- Late-flowering.

premium sun coleus



Chocolate Covered Cherry



Dark Chocolate



Mighty Mosaic



Chocolate Mint



Crimson Gold



Chocolate Splash



Lime Delight



Rose to Lime Magic: Stage 1, 2 & 3

Watermelon

Dark Chocolate

Height: 24 to 30 in./60 to 75 cm
Spread: 18 to 24 in./45 to 60 cm

- Upright accent plants have mid-size leaves in a rich mahogany brown. Slight touches of burgundy appear especially in full sun conditions.
- A good choice for large mixed containers and in-ground plantings.
- Rich mahogany brown partners well with many colour schemes.

New Flip Side

Height: 14 to 18 in./35 to 45 cm
Spread: 14 to 18 in./35 to 45 cm

- Unique novelty variety - the top of each leaf is green, while the underside is a rosy raspberry. Makes a flirtatious show as the wind flutters and underside of leaf is exposed.
- Mid-size landscape coleus fits the demand for long life and versatility.
- Very sun-tolerant under high humidity.
- Late to flower.

Lime Delight

Height: 28 in./70 cm
Spread: 18 to 22 in./45 to 55 cm

- Bright foliage is the centre of attention in designer gardens.
- Vibrant colour plays well with others.
- Eye-catching, lime green to golden foliage.

Mighty Mosaic

Height: 18 to 26 in./45 to 65 cm
Spread: 18 to 22 in./45 to 55 cm

- Striking seed multi-coloured foliage assures mighty retail appeal.
- Very late-flowering variety is great in the shade and tolerates sun under high humidity.
- Landscape coleus meets retailer and consumer demand for longevity and versatility.

Rose to Lime Magic

Height: 24 in./60 cm
Spread: 18 to 22 in./45 to 55 cm

- Unique variety changes colour as the season progresses - rose colour in leaves eventually dissolves, exposing green margins and cream centres.
- Bred to perform in full sun and full shade.
- Late to flower, allowing patterned foliage to shine all season long.
- Well-branched and vigorous in the landscape.

Watermelon

Height: 20 in./50 cm
Spread: 18 to 22 in./45 to 55 cm

- Watermelon-coloured leaves with green edges in cool conditions mature to deep pink under warmer conditions.
- Can be used in sunny or shady landscapes.
- Beautifully coloured foliage with late flowering.

premium shade coleus



NEW

Kong Scarlet Improved



Kong Empire Mixture



Kong Lime Sprite



Kong Mosaic



Kong Red US PVP 200500015



Kong Rose US PVP 200500017



Kong Salmon Pink US PVP 200900035

PREMIUM SHADE COLEUS 🌿
Solenostemon scutellarioides

Kong® Series

Height: 18 to 20 in./45 to 50 cm

Spread: 15 to 18 in./38 to 45 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 3 to 4 weeks

Supplied as pelleted seed.

- Extremely large leaves and unique patterns on well-branched plants.
- Excellent shade alternative for large containers, large mixed combos and landscapes.
- Also works in indoor plant programs.
- Prefers full shade for best performance.

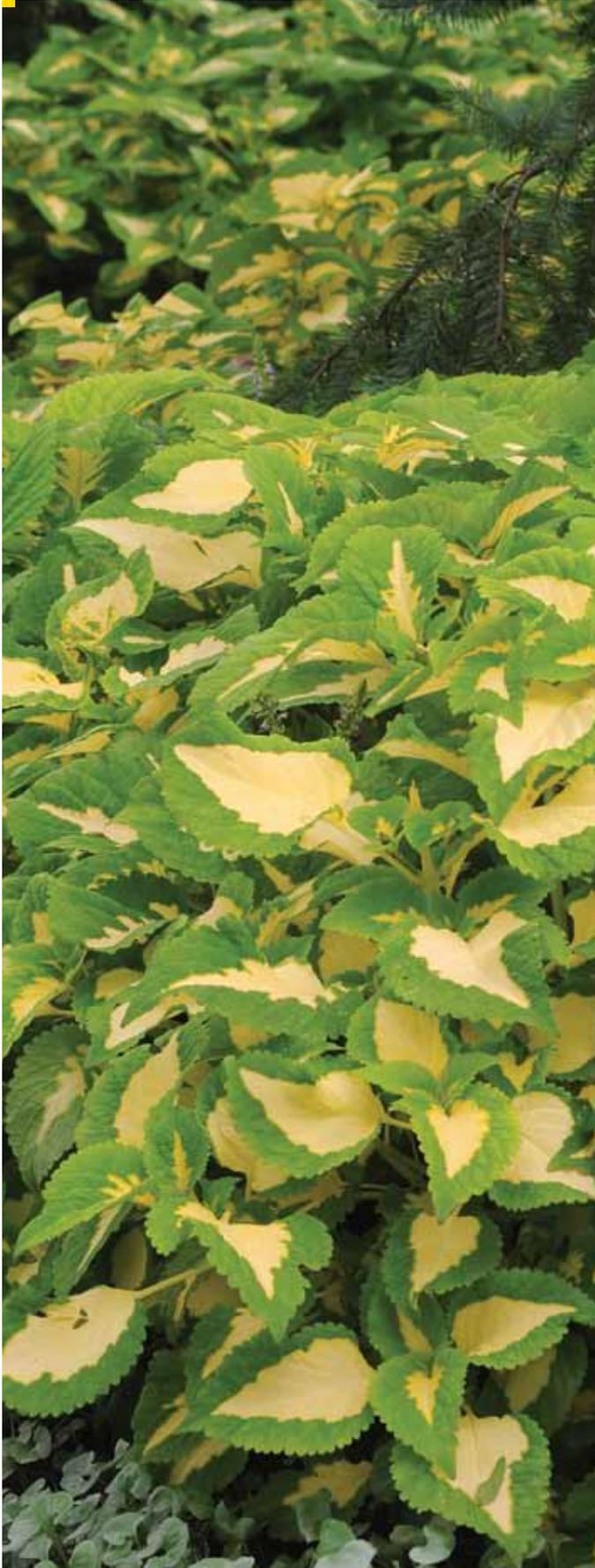
Lime Sprite can show rose colour mid-rib in deepest shade; flowers at the late end of the series, similar to Red.

New Scarlet Improved is a noticeable improvement for better, more consistent colour with no rose centre. Slightly shorter than original Scarlet, making it more controllable in the greenhouse, better for shipping and tidier in the landscape. Later to flower.

Empire Mixture contains all 6 colours.

KONG Mosaic, Red and Rose are bred by Sakata Seed Corporation.

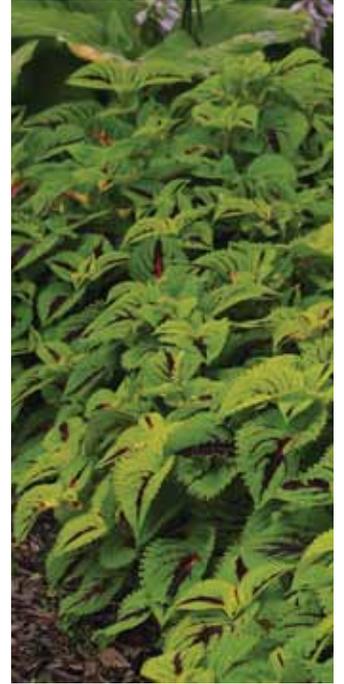
premium shade coleus



Kong Jr. Green Halo



Kong Jr. Scarlet



Kong Jr. Lime Vein



Kong Jr. Rose

Kong Jr. Series

Height: 18 to 24 in./45 to 60 cm

Spread: Approx. 20 to 35 in./50 to 90 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 3 to 4 weeks

Supplied as pelleted seed.

- Kong Jr.'s heart-shaped leaves are 30% smaller than Kong's, but just as stunning. They make Kong Jr. easier to ship, with less breakage and less loss.
- Leaf size is well-matched across the series.
- Well-branched, tidy habit is irresistible to shoppers.
- Performs well in landscapes, patio planters and mixed containers.
- Adds unique colours and patterns not available in Kong series.
- Also works in indoor plant programs.

Lime Vein shows less veining and less to no rose midrib in the mahogany heart under brighter shade. In deeper shade, vein pattern is stronger and rose may appear in the mahogany heart at midrib.



Wizard Select Mixture



Wizard Mixture



Wizard Pastel



Wizard Jade



Wizard Golden



Wizard Pineapple



Wizard Mosaic



Black Dragon



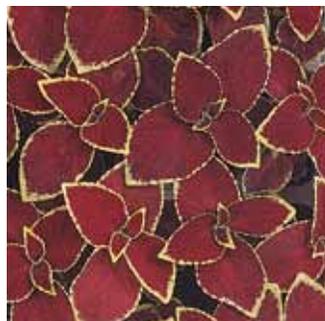
Wizard Coral Sunrise



Wizard Sunset



Wizard Velvet Red



Wizard Scarlet

PACK COLEUS 
Solenostemon scutellarioides

Wizard® Series

Height: 12 to 14 in./30 to 35 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 7 to 9 weeks

Supplied as raw seed.

- Low-maintenance, uniform and basal-branching plants are late-flowering, extending their landscape value.
- Mid-sized leaves.
- Great for packs.
- Useful for indoor plant programs.

Coral Sunrise can start out salmon pink under cooler conditions and mature to lighter pink when it is warmer. Good in sun.

Black Dragon

Height: 12 to 14 in./30 to 35 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 5 to 6 weeks

Supplied as raw seed.

- Exotic, serrated leaves and unusual texture set this variety apart from other coleus.
- Deep red colour with a purplish-black edge.
- Outstanding in packs or pots.

COREOPSIS

Early Sunrise, see page 183.

Rising Sun, see page 183.

Sunfire, see page 183.

Sun Up, see page 182.

CORYNEPHORUS

See **ColorGrass**, page 53.



Sonata White Cosmos
Fleuroselect Gold Medal



Sonata Pink Cosmos
Fleuroselect Quality Award



Sonata Mixture Cosmos
Fleuroselect Quality Award



Sonata Pink Blush Cosmos
Fleuroselect Quality Award



Sonata Carmine Cosmos
Fleuroselect Quality Award



Antiquity Cosmos



Billy Buttons Craspedia



Tropic Yellow Splash Crossandra



Tropic Flame Crossandra

COSMOS 🌻
Cosmos bipinnatus

Antiquity

Height: 20 to 30 in./50 to 75 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- 2-in./5-cm flowers open rich burgundy and mature to antique bronze-salmon.
- Very early and floriferous.
- Well-suited to 3.5 to 4-in./9 to 10-cm pots.

Sonata Series

Height: 24 in./60 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as Premium Grade raw seed.

- Extremely easy to grow, professional growers choose Sonata because of its capabilities for blooming in the pack and pot.

CRASPEDIA 🌻
Craspedia globosa

Billy Buttons

Height: 16 to 20 in./40 to 50 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 17 to 18 weeks

Supplied as raw seed.

- Hardy annual produces a basal rosette of long leaves and branchless flower stalks topped with bright yellow, globe-shaped flower clusters.
- Useful for a fresh and dried cut flower; can be cut over a long period.

CROSSANDRA 🌻
Crossandra infundibuliformis

Tropic Series

Height: 10 in./25 cm
Spread: 8 in./20 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: South, 10 to 11 weeks

Supplied as raw seed.

- Heat-tolerant continuous bloomer makes a premium landscape plant in tropical and semi-tropical areas from Florida to southern Asia.

Tropic Yellow Splash flowers mature quickly to cream with yellow base in Florida trials.

CUCUMBER

See **Vegetables & Herbs**, page 237.



Figaro Original Field Grown Mixture Dahlia *Fleuroselect Novelty*



Figaro White Dahlia *Fleuroselect Novelty*



Figaro Orange Shades Dahlia *Fleuroselect Quality Award*



Figaro Red Shades Dahlia *Fleuroselect Quality Award*



Figaro Violet Shades Dahlia *Fleuroselect Quality Award*



Dynamite Cuphea



Figaro Yellow Shades Dahlia *Fleuroselect Quality Award*

CUPHEA 🌻
Cuphea ignea (Cigar Plant)

Dynamite

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

Plug crop time: 5 to 6 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- Well-suited to solo and mixed containers.
- Also works in indoor plant programs.

DAHLIA 🌸
Dahlia x hybrida

Figaro

Height: 14 to 18 in./35 to 45 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 5 to 6 weeks

Supplied as raw seed.

- Premium pack item is ideal for borders and containers.
- Original Field Grown Mixture** contains 100% semi-double and fully double flowers.

PERENNIAL DELPHINIUM

- Blue Donna**, see page 185.
- Dasante Blue**, see page 185.
- Diamonds Blue**, see page 185.
- Guardian Series**, see page 186.
- Redcap**, see page 185.

DESCHAMPSIA
See **Grasses**, page 55.

CUT FLOWER DIANTHUS

- Amazon Series**, see page 216.
- Bouquet Series**, see page 216.
- Sweet Series**, see page 215.

PERENNIAL DIANTHUS

- Arctic Fire**, see page 185.



NEW Jolt Pink All-America Selections National Winner



NEW

Cherry

F₁ SINGLE INTERSPECIFIC DIANTHUS 🌻
Dianthus barbatus interspecific

New Jolt Series

Height: 16 to 20 in./40 to 50 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: Late Spring through Autumn finish, 12 to 14 weeks; Winter finish, 14 to 18 weeks

Supplied as pelleted seed.

- Highly durable Jolt withstands hot Summer conditions with few disease issues and continues to flower without setting seed.
- Grower-friendly, well-branched plants are easy to produce with less to no PGRs.
- Ideal for Summer premium grower choice quart and gallon containers to command a higher price point.
- 2015 All-America Selections National Winner Jolt Pink will stir up consumer excitement with extra publicity and promotion.
- Strong dark green foliage.
- Performs as a semi-hardy annual in Zone 7 (0°F/-18°C minimum temperature) and milder.

Shocking Summer colour!

Look out, Summer landscapes and garden beds...one-of-a-kind Jolt puts out a powerful surge of all-season performance and electrifying colour. The most heat-tolerant Interspecific Dianthus, Jolt's two stunning colours are sure standouts in premium container programs.



Dash Violet



Dash Magician



Dash White



Dash Pink



Dash Crimson



Dash Violet



Dash Crimson with Cool Wave White Pansy & Bronco Carex



Dash Mixture

F1 SINGLE DIANTHUS ☀

Dianthus barbatus

Dash Series 🚩

Height: 15 to 20 in./38 to 50 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: Late Spring/early Summer, 9 to 10 weeks; late Summer/Winter, 11 to 12 weeks

Supplied as pelleted seed.

- The best *D. barbatus* for premium quarts and gallons.
- Naturally compact and well-branched - needs less to no PGRs for easy, year-round container production.
- Sweet William-type dianthus requires no vernalization for flowering.
- Produces masses of fragrant blooms.
- Low-energy crop can be grown cool for cost savings.

Magician flowers open white and mature to shades of rose.

Wee Willie (Not pictured)

Height: 6 in./15 cm
Spread: 6 in./15 cm

Plug crop time: 5 weeks
Transplant to finish: 10 to 11 weeks

Supplied as raw seed.

- Early, open-pollinated mixture produces colourful, single blooms on compact plants.
- Good pack performer.

F1 DOUBLE DIANTHUS

Dianthus barbatus interspecific

Dynasty Series 🚩

Height: 16 to 20 in./40 to 50 cm

Spread: 10 in./25 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 8 to 9 weeks

Supplied as pelleted seed.

- Very well-branched, upright and strong-stemmed, these excellent landscape and garden performers double as a great backyard cut flower.

- Fast-blooming plants respond well to growth regulators applied for pot plant height and tighter umbels.

- Performs as a perennial in USDA Hardiness Zones 6 to 9 (-10° to 20 F/-23° to -7 C minimum temperature).

Pink Magic flowers open white, then light pink, and mature to dark pink; optimal colour pattern results from high light and cool night temperatures.

New Red Improved has a tidier plant habit with better branching and more uniform flowering.

White Blush is white with attractive rosy-pink blush that varies with environmental conditions.

Also available: **Mixture**

F1 SINGLE DIANTHUS 🌻

D. chinensis x barbatus

Floral Lace Series 🚩

Height: 8 to 10 in./20 to 25 cm

Spread: 8 in./20 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 4 to 5 weeks

Supplied as raw and pelleted seed.

- Early flowering with the largest blooms of any *D. chinensis x barbatus* dianthus - up to 1.5 in./4 cm across.

- Performs well in gardens under tough conditions as an annual or biennial.

- Good for high-density Spring and Autumn pack or small pot programs.

- Bright green leaves.



Dynasty White Blush



Dynasty Pink Magic



Dynasty Orchid
RHS Award of Garden Merit



Dynasty Purple



Dynasty Rose Lace



Dynasty Red Improved



Floral Lace Pearl



Floral Lace Picotee



Floral Lace Light Pink



Floral Lace Rose



Floral Lace True Rose



Floral Lace Violet Picotee



Floral Lace Purple



Floral Lace Crimson



Floral Lace Cherry



Floral Lace Violet



Floral Lace Lilac



Floral Lace White



Floral Lace Mixture



Ideal Select Violet All-America Selections National Winner (All-America Classic)



Rose Fleuroselect Quality Award, RHS Award of Garden Merit



White



WhiteFire RHS Award of Garden Merit



Salmon



Raspberry



Red



Mixture

F1 SINGLE DIANTHUS continued

Ideal Select Series 🏆🏆

Height: 8 to 10 in./20 to 25 cm

Spread: 8 in./20 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 4 to 5 weeks

Supplied as raw and pelleted seed.

- Well-matched habit and tight flowering window let you bench run and ship all together.
- Early-flowering series is good as an annual or biennial.
- Well-suited to high-density small pack or pot programs for Spring and Autumn sales.

F₁ DIASCIA 🌞

Diascia barberae

Diamonte Series 🚩

Height: 10 to 12 in./25 to 30 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 weeks

Transplant to finish: 6 to 8 weeks

Supplied as raw seed.

- Grow easily and economically: “no pinch” plants branch better, grow fuller and more densely than cutting varieties.
- Well-suited to premium pack and pot sales.
- Delicate flowers blanket full, mounded plants in Spring and Autumn containers and landscapes.
- NOTE: It is recommended to sow 4 seeds per cell.

DICHONDRA 🌞

Dichondra argentea

Silver Falls 🚩

Height: 2 to 3 in./5 to 7 cm in the ground

Spread/Length: 3 to 4 ft./90 cm to 1.2 m; up to 6 ft./1.8 m in areas with a longer growing season

Plug crop time: 5 weeks

Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- True cascading habit is excellent for mixed containers or hanging baskets.
- Performs as a low-growing groundcover, but requires well-drained soils.
- Also well-suited to indoor plant programs.
- Very heat and drought tolerant.
- No pinching needed.

DICHONDRA 🌞

Dichondra repens

Emerald Falls

Height: 2 to 4 in./5 to 10 cm in the ground

Spread/Length: 3 ft./90 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 7 to 8 weeks

Supplied as multi-seed pellets.

- Denser, tighter and shorter than Silver Falls, without pinching or PGRs.
- Medium green leaves are more rounded and held closer to the stem.
- Good for hanging baskets.
- Also performs well as a heat-tolerant, low-growing groundcover.

DIGITALIS

Dalmatian Series,

see page 187.

DILL

See **Vegetables & Herbs**, page 246.

DUSTY MILLER 🌞

Cineraria maritima/Senecio cineraria

Silverdust 🚩

Height: 10 in./25 cm

Spread: 10 in./25 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 7 to 8 weeks

Supplied as raw and pelleted seed.

- Finely cut, silvery white, velvety foliage on uniform plants.
- Adds contrast and texture to beds and borders.
- Size and uniform habit also make Silverdust perfect for container plantings.
- Seed is graded for more uniform germination.

ECHINACEA

‘Cheyenne Spirit’,

see page 188.

PowWow® Series,

see page 189.

EGGPLANT

See **Vegetables & Herbs**, page 237.

ERAGROSTIS

See **ColorGrass**, page 53.

ERIGERON

Stallone, see page 190.

ERYSIMUM 🌞

Erysimum species

Citrona® Series

Height: 10 to 12 in./25 to 30 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 weeks

Transplant to finish: 7 to 9 weeks

Supplied as raw seed.

- Very floriferous, well-branched plants display bright, scented blooms in Spring and Autumn.
- No vernalization needed.
- Matches pansy production well; grow in premium packs, 4-in./10-cm pots and gallons.



Diamonte Coral Rose Diascia
All-America Selections National Winner



Diamonte Lavender Pink Diascia



Silver Falls Dichondra



Emerald Falls Dichondra



Silverdust Dusty Miller



Citrona Yellow Erysimum
US PVP 200600168



Citrona Orange Erysimum
US PVP 200600167

glitz & glamour



Mary O'Connor

Mary O'Connor
Global Product Manager

USE THE POWER OF STRESS-FREE

Give pro landscapers a head-turning performer that shines from day one, needs virtually no TLC, and is in the resale yard ready to go when they're ready to plant...and they'll be back for more. We're confident that you and your customers will award this head-of-the-class seed newcomer an A+ for quality *and* an A+ for availability.

F1 EUPHORBIA 🌞
Euphorbia graminea

New Glamour

Height: 15 to 24 in./38 to 60 cm
Spread: 15 to 20 in./38 to 50 cm

Plug crop time: 3 to 4 weeks
Transplant to finish: 3 to 7 weeks

Supplied as raw seed.

- Glamour is perfect for landscaper 1801s, quarts, 6-in./15-cm pots, gallons.
- Holds well in pots in the resale yard and at retail for less loss and less shrink.
- Takes heat and drought, rebounds fast from weather.
- Low maintenance - no deadheading required.
- Very dark green foliage and very white flowers.

NEW Glamour

Meet the first landscape euphorbia from seed

One-of-a-kind Glamour puts on an applause-worthy show - it's vigorous, resilient and durable from the start. This center stage performer fills in fast to make a soft 'hedge' in mass plantings...mixes well with other vigorous flowering annuals... shines in large cityscape containers.

Glitz

Height: 10 to 14 in./25 to 35 cm

Spread: 12 to 18 in./30 to 45 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 5 to 8 weeks

Supplied as raw seed.

- Delivers the performance of its vegetative counterparts without the headaches.
- The perfect habit for premium mixed containers.
- Easy to grow - no pinching needed.
- Suitable for grower choice premium quarts.

EUPHORBIA

Euphorbia marginata

Kilimanjaro

Height: 36 in./90 cm (under long days)

Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 8 to 12 weeks

Supplied as raw seed.

- Pure white bracts contrast well with the green foliage.
- Tall, strong stems have short side branches, just below the bracts.
- Can be direct sown in greenhouse or outdoor cut flower production, with very short harvesting period - 3 to 4 months from sow to flowering. Also suitable for backyard or field cut flower production.

EUSTOMA

See *Lisianthus*, page 69.

FESTUCA

See *ColorGrass*, page 53.

FIBER OPTIC GRASS

See *Isolepis* in *ColorGrass*, page 53.

FRAGARIA

See *Strawberry*, page 245.

F1 GAILLARDIA

Mesa Series, see page 191.

GAULTHERIA

Very Berry, see page 190.

GAURA

'Sparkle White', see page 192.



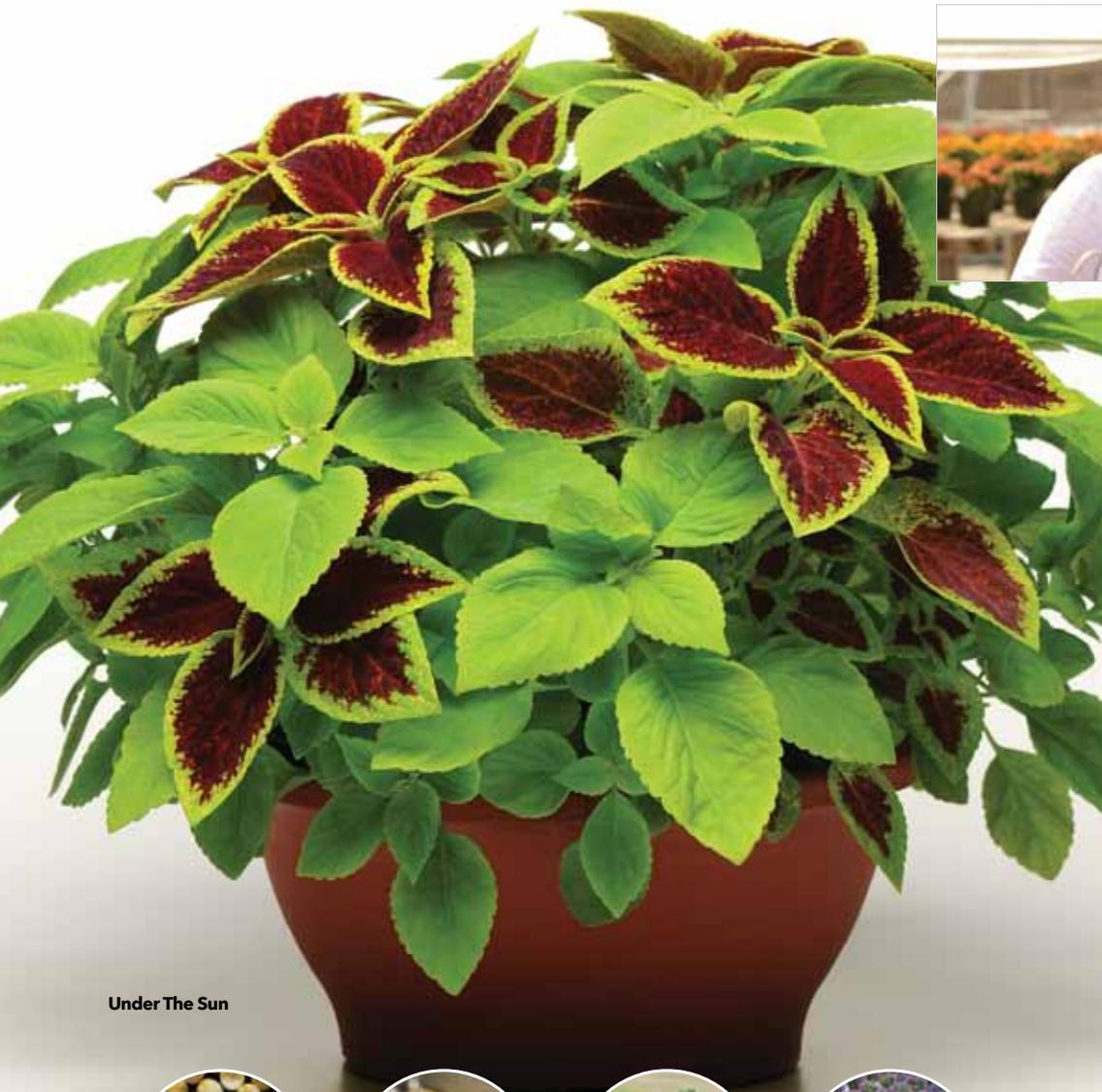
Glitz



Kilimanjaro



Glitz Euphorbia with Easy Wave Red Velour Petunia



Laurence Pallez
Product Line Manager

USE THE POWER OF THE SURE THING

Sure, gambling can be fun if you're headed for Monte Carlo or Las Vegas. But when it comes to your combo program, it's mix-after-mix balance and precision that really count. Fuseables patented seed technology guarantees that all varieties are present in each Precision Multi-Pellet a minimum of 90% of the time, so that you consistently turn out better-looking, less-variation mixes.

These easy-to-produce, two to three-variety mixes are ideal for colour bowls, hanging baskets and large patio containers. We recommend 1 to 3 plants per 10-in./25-cm container and 3 to 5 plants per 12-in./30-cm container.

- Bacopa Utopia** Blutopia® and Snowtopia® bacopa.
- Coleus Under The Sun** Crimson Gold and Lime Delight Coleus. Great for both sun and shade.
- Coleus Chocolate Symphony** Chocolate Mint and Lime Delight coleus makes an easy combo for the shade.
- Multi-Species Wine Cooler** Cool-season combo of Sorbet® Midnight Glow viola and Clear Crystal® Purple Shades alyssum.
- Petunia Blueberry Lime Jam** Sophistica Lime Green and Dreams Midnight petunias.
- Petunia Lime Coral** Dreams Coral Morn and Sophistica Lime Bicolor petunias.
- Petunia Pleasantly Blue** Dreams Midnight and Daddy® Blue petunias.

Under The Sun



Revolutionary Fuseables Precision Multi-Pellets...



flow right through your seeder...



transform into "easy-sow, easy-grow" plugs...



to grow great-looking, balanced combos that sell!

Single pellet = singular success!

Fuseables is the only combo program from a single pellet. And no other combo series gives you great texture and colour for Spring and Autumn, with amazing results every time. One pellet into one plug into one 6 to 8-in./15 to 20-cm pot, and you're good to go.



Blueberry Lime Jam US 7,642,436; EU PAF



Wine Cooler

CURRENT VARIETIES STILL AVAILABLE AS ORIGINAL FUSEABLES MULTI-PELLETS

Juncus Twisted Arrows

Blue Arrows Juncus and *Juncus effusus spiralis* (curly juncus)

Height: 18 to 36 in./45 to 90 cm

Spread: 12 to 18 in./30 to 45 cm

USDA Hardiness Zones: 5 to 9 (-20 to 20°F/-29 to -7°C minimum temperature)

Juncus Twisted Dart

Blue Dart Juncus and *Juncus effusus spiralis* (curly juncus)

Height: 14 to 16 in./35 to 40 cm

Spread: 10 to 18 in./25 to 45 cm

USDA Hardiness Zones: 5 to 9 (-20 to 20°F/-29 to -7°C minimum temperature)



Chocolate Symphony



Lime Coral US 7,642,436; EU PAF



Pleasantly Blue



Utopia

made with wave fuseables®

wave
PETUNIAS



NEW **Berry Bold**
US 7,642,436; EU PAF



Burgundy Starlight

MADE WITH WAVE FUSEABLES

New Berry Bold Easy Wave® Berry Velour and Daddy Red petunias.

Blue Dawn Easy Wave Rosy Dawn with Blutopia bacopa.

Burgundy Starlight Easy Wave Burgundy Star and Dreams Burgundy petunias.

Cloud N Sky Shock Wave® Coconut petunia with Blutopia bacopa.

Healing Waters Shock Wave Denim and Easy Wave Violet petunias with large-flowered blue bacopa.

Ooh La La Easy Wave Burgundy Star, Easy Wave Neon Rose and Shock Wave Coconut petunias.

Silk N Satin Shock Wave Pink Shades petunia with Snowtopia bacopa.

Strawberry Wine Easy Wave Shell Pink, Dreams Red and Daddy Red petunias.

A winning combo: take-home mixes Made With Wave!

We took patented Fuseables seed technology – the ONLY combo program from a single pellet. Added Wave spreading petunias into those pellets. And offer you an absolutely power-packed way to grow your main-season “Better” price point.



Ooh La La



Cloud N Sky



Strawberry Wine



Blue Dawn



Silk N Satin



Healing Waters



New Day Clear Orange



NEW
Tiger Mixture



NEW
Mixture Improved



Strawberry Shortcake Mixture



Sunny Side Up Mixture



White



Rose Stripe



Bright Mixture



Yellow



NEW
Red Stripe



Pink Shades



Clear Orange



Bronze Shades



Red Shades

F1 **GAZANIA** 🌻
Gazania rigens

New Day® Series 🌱🌱

Height: 8 to 10 in./20 to 25 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 8 to 9 weeks

Supplied as coated seed.

- More uniform flowering than competing varieties, with larger flowers and better plant habits.
- Compact, sturdy, high-quality plants are easy to produce and super-holdable at retail.
- Bred to deliver shorter peduncles and beefier-looking plants.
- Well-suited to high-density pack and small container production.
- Drought-tolerant series performs beautifully in containers and baskets, and as a garden edging or groundcover.

Bright Mixture contains Bronze Shades, Yellow, Clear Orange, Pink Shades.

New Mixture Improved now also includes NEW Red Stripe and Red Shades.

Strawberry Shortcake Mixture contains Pink Shades, Rose Stripe, White.

Sunny Side Up Mixture contains Clear Orange, Yellow, White.

New Tiger Mixture includes NEW Red Stripe and Rose Stripe.



Summer Showers White Blush
Ivy Geranium



Summer Showers Fuchsia
Ivy Geranium



Summer Showers Burgundy
Ivy Geranium



Summer Showers Mixture
Ivy Geranium



Fireworks Gomphrena



Sunshine Mixture



QIS Orange Gomphrena



QIS Red Gomphrena



QIS Carmine Gomphrena
Fleuroselect Quality Award

TETRAPLOID GAZANIA 🌞
Gazania rigens

Sunshine Mixture

Height: 12 in./30 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 9 to 10 weeks

Supplied as raw seed.

- Long-blooming mix includes cream, yellow, orange, pink and red shades, with some striped flowers.
- Upright plants are excellent for the bedding market as a landscape-performing garden plant, with larger flowers and robust growth.

GERANIUM, IVY 🌞
Pelargonium x peltatum

Summer Showers Series

Height: 12 to 15 in./30 to 38 cm
Spread: 12 to 15 in./30 to 38 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 11 to 12 weeks

Supplied as raw seed.

- Vigorous, upright habit.
- Big flower heads and distinctive ivy leaves for beautiful baskets, tubs, window boxes, mixed containers.
- Series is well-matched on the bench and in the garden, with great performance in hot, humid climates.

Burgundy may include up to 8% lavender.

Fuchsia has a compact habit similar to White Blush.

White Blush has tidy, compact habit. Bright white florets with pink "whiskers" turn light pink at maturity.

GERBERA
Revolution Collection,
see page 168.

GOMPHRENA 🌞
Gomphrena haageana

QIS Series

Height: 24 to 26 in./60 to 70 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 10 to 12 weeks

Supplied as raw seed.

- Versatile series works well for landscape and garden use.
- Vivid colour range makes these a Summer-long standout.
- Also as a first-class professional cut flower for greenhouse and outdoor production; suited to fresh and dried use.

Also available: **Mixture**

GOMPHRENA 🌞
Gomphrena pulchella

Fireworks 🌞

Height: 4 ft./1.2 m
Spread: 4 ft./1.2 m

Plug crop time: 5 to 6 weeks
Transplant to finish: 8 to 9 weeks

Supplied as coated seed.

- More blooms per plant and unique "scaffolding" habit make Fireworks sparkle at retail, then explode with colour in landscapes and containers.
- Vigorous, "tough as nails" plants are drought tolerant, low maintenance.
- Attractive architectural element for landscapes; also excellent for mixed cut flower bouquets.
- Easy to produce - stays compact as a plug.
- Well-suited to high-margin gallon programs; suitable for field or garden cut flower production.

Mississippi Medallion Award



Complementary colour

Grow and sell the broadest range of ornamental grasses from seed! These unique varieties accent landscapes and containers with height, colour and texture. See how the varieties line up on page 56.



Sirocco Anemanthele



Red Rooster Carex

ANEMANTHELE

Anemanthele lessoniana

Sirocco

Height: 12 to 14 in./30 to 35 cm
Spread: 22 to 24 in./55 to 60 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 6 to 8 weeks

USDA Hardiness Zones: 7 to 10
(0 to 30°F/-18 to -1°C minimum temperature)

Supplied as multi-seed pellets.

- Adds movement and texture to landscapes, garden beds, mixed containers and hanging baskets.
- The only pink grass from seed - colour turns to shades of copper and pink under cool conditions, natural sunlight and maturity.

CAREX

Carex buchananii

Red Rooster

Height: 20 to 30 in./50 to 75 cm
Spread: 12 in./30 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 8 to 9 weeks

USDA Hardiness Zones: 6 to 9
(-10 to 20°F/-23 to -7°C minimum temperature)

Supplied as multi-seed pellets.

- Red-bronze grass has curled tips and upright habit.



Amazon Mist Carex



Phoenix Green Carex



Wind Dancer Eragrostis



Festina Festuca



Bronco Carex



Spiky Blue Corynephorus



Live Wire Isolepis

CAREX ☀️

Carex comans (Leatherleaf Sedge)

Amazon Mist

Height: 6 to 12 in./15 to 30 cm
Spread: 14 in./35 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 9 to 10 weeks

USDA Hardiness Zones: 6 to 10
(-10 to 30°F/-23 to -1°C minimum temperature)

Supplied as multi-seed pellets.

- Variegated light/medium green grass has twisting tips and an arching habit.

Bronco

Height: 6 to 12 in./15 to 30 cm
Spread: 14 in./35 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 8 to 9 weeks

USDA Hardiness Zones: 6 to 10
(-10 to 30°F/-23 to -1°C minimum temperature)

Supplied as multi-seed pellets.

- Bronze-brown variety has an arching habit.

Phoenix Green

Height: 20 to 24 in./50 to 60 cm
Spread: 16 to 20 in./40 to 50 cm

Plug crop time: 5 to 7 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 6 to 10
(-10 to 30°F/-23 to -1°C minimum temperature)

Supplied as multi-seed pellets.

- Sturdy, upright, narrow-leafed sedge has bright green foliage.
- Good heat tolerance
- Easy-care accent for landscapes and planters.

CORYNEPHORUS ☀️

Corynephorus canescens
(Clubawn Grass)

Spiky Blue

Height: 6 to 12 in./15 to 30 cm
Spread: 8 in./20 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 5 to 9
(-20 to 20°F/-29 to -7°C minimum temperature)

Supplied as multi-seed pellets.

- Compact, spiky tufts are blue-green; matures to reddish green.

ERAGROSTIS ☀️

Eragrostis curvula (Love Grass)

Wind Dancer

Height: 3 to 4 ft./90 cm to 1.2 m
Spread: 3 to 4 ft./90 cm to 1.2 m

Plug crop time: 3 to 4 weeks
Transplant to finish: 5 to 6 weeks

USDA Hardiness Zone: Hardy to at least Zone 6 (-10°F/-23°C minimum temperature)

Supplied as multi-seed pellets.

- Drought-tolerant Native American grass has a graceful form with narrow, bluish green foliage.
- Tall plants produce airy flower plumes in July; plumes mature to a tan colour in August, then a lighter straw colour in the Autumn and continue to maintain interest throughout the Winter.
- Grows best in the landscape and large containers.

FESTUCA ☀️

Festuca cinerea (*Festuca glauca*)

Festina

Height: 12 to 18 in./30 to 45 cm
Spread: 10 to 15 in./25 to 38 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 4 to 10
(-30 to 30°F/-34 to -1°C minimum temperature)

Supplied as multi-seed pellets.

- Very cold-hardy variety produces dense, compact tufts of blue-green, with small, upright brown plumes from Summer to Autumn.

ISOLEPIS ☀️

Isolepis cernua (Fiber Optic Grass)

Live Wire

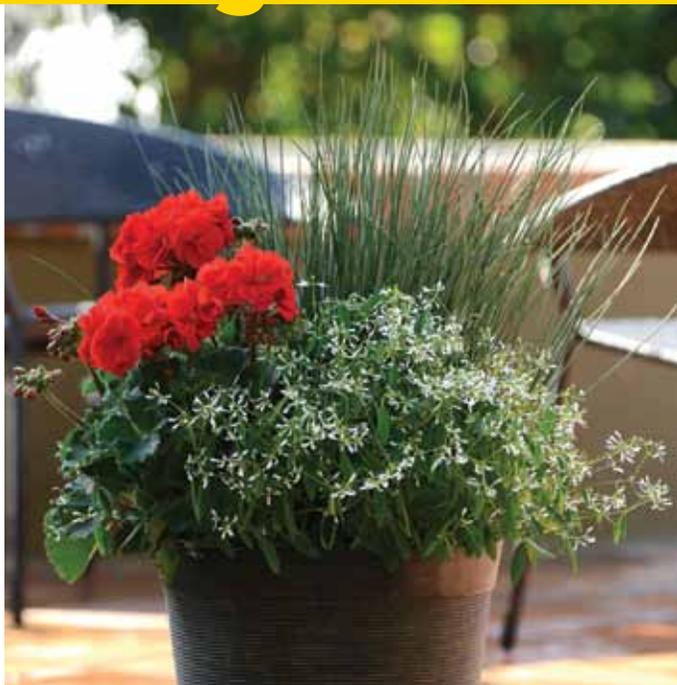
Height: 6 to 8 in./15 to 20 cm
Spread: 18 to 20 in./45 to 50 cm

Plug crop time: 5 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 8 to 10
(10 to 30°F/-12 to -1°C minimum temperature)

Supplied as multi-seed pellets.

- Annual grasslike plant features a short mound of soft green leaves accented by flower spikes that look like "fiber optic" strands.
- Ideal for adding texture to mixed containers or marketing as an indoor plant.
- Dense, mounded habit needs no pinching or PGRs, grows upright when young and drapes as it matures.
- Performs well in wet conditions.
- Prefers shade, but can handle sun if moisture level is maintained.



Blue Arrows Juncus with Giltz Euphorbia & Red Geranium



Starhead Juncus



Coolio Koeleria



Javelin Juncus



Lucius Luzula

JUNCUS 
Juncus ensifolius

Starhead

Height: 8 to 10 in./20 to 25 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 7 to 8 weeks

USDA Hardiness Zones: 4 to 10
(-30 to 30°F/-34 to 1°C minimum temperature)

Supplied as multi-seed pellets.

- Compact variety displays green, broad-leaved foliage and long-lasting, dark green star inflorescences.

JUNCUS 
Juncus inflexus

Blue Arrows 

Height: 36 in./90 cm
Spread: 12 in./30 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 5 to 9
(-20 to 20°F/-29 to 7°C minimum temperature)

Supplied as multi-seed pellets.

- Stiff, upright, blue-green foliage is well-suited to annual bedding and mixed containers.
- Heat-tolerant in a wide range of environments.
- Can be grown as a pond plant, but drought-tolerant when grown in the ground.
- Also makes a great indoor plant.

JUNCUS 
Juncus pallidus

Javelin

Height: 48 in./1.2 m
Spread: 18 to 20 in./45 to 50 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 5 to 6 weeks

USDA Hardiness Zones: 8 to 10
(10 to 30°F/-12 to -1°C minimum temperature)

Supplied as multi-seed pellets.

- Developed from unique genetics and available only from PanAmerican Seed, Javelin makes a dramatic "thriller" for mixed containers.
- Can grow up to 5 ft./1.5 m tall in gardens and landscapes.
- Performs well through a wide range of environmental stress - can grow in standing water, but also handles heat and drought.
- Provides great Winter interest, maintaining upright, stiff foliage in a straw colour.

JUNCUS 
Juncus tenuis

Blue Dart

Height: 14 to 16 in./35 to 40 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 7 to 8 weeks

USDA Hardiness Zones: 4 to 10
(-30 to 30°F/-34 to -1°C minimum temperature)

Supplied as multi-seed pellets.

- Linear blue foliage adds texture to small containers and in-ground plantings.
- Strong vertical habit - faster, more reliable alternative to spike dracaena.
- Low-maintenance and adaptable to a wide range of conditions, including standing water and drought.
- Attractive indoor or water plant.
- Great retail shelf life.

KOELERIA 
Koeleria glauca

Coolio

Height: first season: 6 to 8 in./15 to 20 cm; later: 20 in./50 cm
Spread: 8 in./20 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 6 to 8 (-10 to 10° F/-23 to -12° C minimum temperature)

Supplied as multi-seed pellets.

- Upright, blue-green grass is ideal for dry locations.

LUZULA 
Luzula nivea

Lucius

Height: 6 to 12 in./15 to 30 cm
Spread: 18 in./45 cm

Plug crop time: 4 to 7 weeks
Transplant to finish: 8 to 9 weeks

USDA Hardiness Zones: 4 to 9
(-30 to 20°F/-34 to 7°C minimum temperature)

Supplied as multi-seed pellets.

- Upright and arching, evergreen grass displays flat, mid-green leaves fringed in white hairs.
- Produces small, white flowers in spiky inflorescences in Spring and early Summer.
- Flourishes in damp, shady conditions.



ColorGrass ornamental grasses bring patios and landscapes to life.



Starmaker Luzula



Pony Tails Stipa



Pony Tails Stipa with Emerald Falls & Silver Falls Dichondra & New Day Clear Orange Gazania

LUZULA ☀️
Luzula sylvatica

Starmaker

Height: 12 to 18 in./30 to 45 cm
Spread: 10 in./25 cm

Plug crop time: 4 to 7 weeks
Transplant to finish: 9 to 10 weeks

USDA Hardiness Zones: 4 to 9
(-30 to 20°F/-34 to 7°C minimum temperature)

Supplied as multi-seed pellets.

- Large, mounded annual grass has broad, glossy green leaves and produces brown flowers in early Spring.

STIPA ☀️
Stipa tenuissima
(Mexican Feather Grass)

Pony Tails

Height: 16 to 24 in./40 to 60 cm
Spread: 24 in./60 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 7 to 10
(0 to 40°F/-18 to 2°C minimum temperature)

Supplied as multi-seed pellets.

- Upright grass produces fine, needlelike green foliage, with silky green flowers in July that mature to golden blonde.



Twister Juncus

OTHER GRASSES

DESCHAMPSIA ☀️
Deschampsia elongata

Zephyr

 (Not pictured)

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

Plug crop time: 4 to 5 weeks
Transplant to finish: 5 to 7 weeks

USDA Hardiness Zones: Hardy to Zone 7 (0°F/-18°C minimum temperature) in well-drained soil

Supplied as multi-seed pellets.

- A great "touchable" addition to small mixed containers, also well-suited to indoor plant programs.
- Quick and easy to grow, Zephyr can be grown and sold as a "mini" for even more sales opportunities.

JUNCUS

Fuseables®
see page 47 for Fuseables varieties containing Juncus.

JUNCUS ☀️
Juncus effusus spiralis

Twister

Height: 12 to 14 in./30 to 35 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 7 to 8 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 5 to 9
(-20 to 20°F/-29 to -7°C minimum temperature)

Supplied as multi-seed pellets.

- Unusual juncus is economical and easy to grow - a fun addition to mixed containers.
- Shoppers love the small, curly green leaves of this upright plant.
- Can be grown as a "mini" for expanded sales opportunities.
- Also thrives in wet conditions, making it a useful pond plant.

More habits, more hues for planters & gardens



Variety	Habit	Colour Group	Exposure	Height	Containers	Features
Live Wire Isolepis	Low	Green	 	6 to 8 in./ 15 to 20 cm	306 pack, 4 in./10 cm, 6 in./15 cm*, Gallon	Great for containers, and performs well in ponds and water gardens.
Coolio Koeleria	Low	Green	 	6 to 8 in./ 15 to 20 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Upright, blue-green grass is ideal for dry locations. Grows to 20 in./50 cm after the first season.
Amazon Mist Carex	Low	Green		6 to 12 in./ 15 to 30 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Variegated light and medium green grass has twisting tips and an arching habit.
Bronco Carex	Low	Brown		6 to 12 in./ 15 to 30 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Bronze-brown variety has an arching habit.
Lucius Luzula	Low	Green	 	6 to 12 in./ 15 to 30 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Upright and arching evergreen grass has flat leaves fringed in white. Small, white flowers in spiky inflorescences in Spring/early Summer. Good in damp, shady areas.
Spiky Blue Corynephorus	Low	Green	 	6 to 12 in./ 15 to 30 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Compact, spiky, blue-green tufts mature to reddish-green.
Starhead Juncus	Medium	Green	 	8 to 10 in./ 20 to 25 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Compact plants produce long-lasting, dark green star inflorescences.
Sirocco Anemanthele	Medium	Green/ Brown		12 to 14 in./ 30 to 35 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Varied shades of copper and pink depending on season/maturity.

Low: 2 to 8 in./5 to 20 cm; Medium: 8 to 18 in./20 to 45 cm;
Tall: 18 in./45 cm and taller

*3 plants per pot



Variety	Habit	Colour Group	Exposure	Height	Containers	Features
Starmaker Luzula	Medium	Green	 	12 to 18 in./ 30 to 45 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Large, mounded annual grass has broad, glossy leaves, with brown flowers in early Spring.
Festina Festuca	Medium	Green	 	12 to 18 in./ 30 to 45 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Dense, compact, blue-green tufts have small, upright brown plumes from Summer to Autumn. Very cold hardy.
Blue Dart Juncus	Medium	Green	 	14 to 16 in./ 35 to 40 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Blue-green, strong, upright plant.
Pony Tails Stipa	Tall	Green		16 to 24 in./ 40 to 60 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Upright grass has fine, needlelike foliage, with silky green flowers in July that mature to golden blonde.
Phoenix Green Carex	Tall	Green		20 to 24 in./ 50 to 60 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Sturdy, upright and narrow-leafed. Good heat tolerance, easy-care. Use as an accent in landscapes, planters.
Red Rooster Carex	Tall	Red		20 to 30 in./ 50 to 75 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Upright, red-bronze variety has curled tips.
Blue Arrows Juncus	Tall	Green	 	36 in./ 90 cm	4 in./10 cm, 6 in./15 cm*, Gallon	Blue-green, upright and heat tolerant.
Wind Dancer Eragrostis	Tall	Green		36 to 48 in./ 90 cm to 1.2 m	Gallon	Gracefully shaped, drought-tolerant, Native American grass.
Javelin Juncus	Tall	Green	 	48 in./ 1.2 m	4 in./10 cm, 6 in./15 cm*, Gallon	Rugged, upright plant can grow in standing water, but also handles heat/drought.

Find photos and information on all ColorGrass varieties on pages 52 to 55.

In addition to our ColorGrass collection, PanAmerican Seed offers four additional grass selections: Deschampsia Zephyr and Juncus Twister, see page 55. Fuseables Twisted Arrows and Fuseables Twisted Dart, see page 47.



Dakota Gold Helenium
US PVP 200600009



Silver Mist Helichrysum



Mahogany Splendor Hibiscus



Splash Select White Hypoestes



Splash Select Pink Hypoestes



Splash Select Rose Hypoestes



Splash Select Red Hypoestes

GYPSOPHILA

Pixie Splash, see page 190.

HELENIUM

Helenium amarum

Dakota Gold

Height: 12 to 14 in./30 to 35 cm
Spread: 24 to 28 in./60 to 70 cm

Plug crop time: 3 to 4 weeks
Transplant to finish: 5 to 7 weeks

Supplied as multi-seed pellets.

- Easy-care variety performs from hot and dry to cool and rainy.
- Strong-growing and compact, mounded plants are covered with bright golden yellow blooms over fine-textured foliage.
- Quick crop time.
- Grow under long days for the best habit and vigour.

North Texas Winner's Circle Award;
Japan Flower Selections Certificate
of Merit as Best Flower Award

HELIANTHUS

See **Sunflower**, pages 146 and
Cut Flower Sunflower, page 233.

HELICHRYSUM

Helichrysum microphyllum
(*Plectostachys serphyllifolia*)

Silver Mist

Height: 6 to 8 in./15 to 20 cm
Spread: 18 to 24 in./45 to 60 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 8 to 9 weeks

USDA Hardiness Zones: 7 to 11
(0 to 40°F/-18 to 4.5°C minimum temperature)

Supplied as multi-seed pellets.

- Accent plant for mixed containers and landscapes, as well as an indoor plant.
- Full, mounded and spreading plants branch well without pinching.
- Silver colour intensifies with more light; under lower light, foliage appears more green.

HEUCHERA

Malachite, see page 190.

Melting Fire, see page 190.

Palace Purple, see page 190.

PERENNIAL HIBISCUS

Luna Series, see page 193.

HIBISCUS

Hibiscus acetosella

Mahogany Splendor

Height: 3 to 5 ft./0.9 to 1.5 m
Spread: 24 to 30 in./60 to 75 cm

Plug crop time: 2 to 3 weeks
Transplant to finish: 5 to 6 weeks

USDA Hardiness Zones: 8 to 9
(10 to 30°F/12 to -1°C minimum temperature)

Supplied as raw seed.

- Adds awesome colour and dramatic height to landscapes and containers.
- Deep burgundy, maple-shaped leaves with serrated edges.
- Drought and heat-resistant; combines well with other vigorous sun-loving plants in containers.
- Can be grown directly in the water as a pond plant.
- NOTE: Foliage will have green/rust tones in the greenhouse, but matures to burgundy in full sun outdoors.

HYPOESTES

Hypoestes phyllostachya

Splash Select Series

Height: 10 to 18 in./25 to 45 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- The grower's choice for mass-market pot production, with excellent shipping tolerance and shelf life.
- Crop time can be reduced by planting multiple-sown young plants in each pot.
- Heat-tolerant and shade-tolerant.
- Can be used as an indoor plant or offered with other bedding annuals.



Candy Cane White Iberis



Candy Cane Rose Iberis



Candy Cane Red Iberis



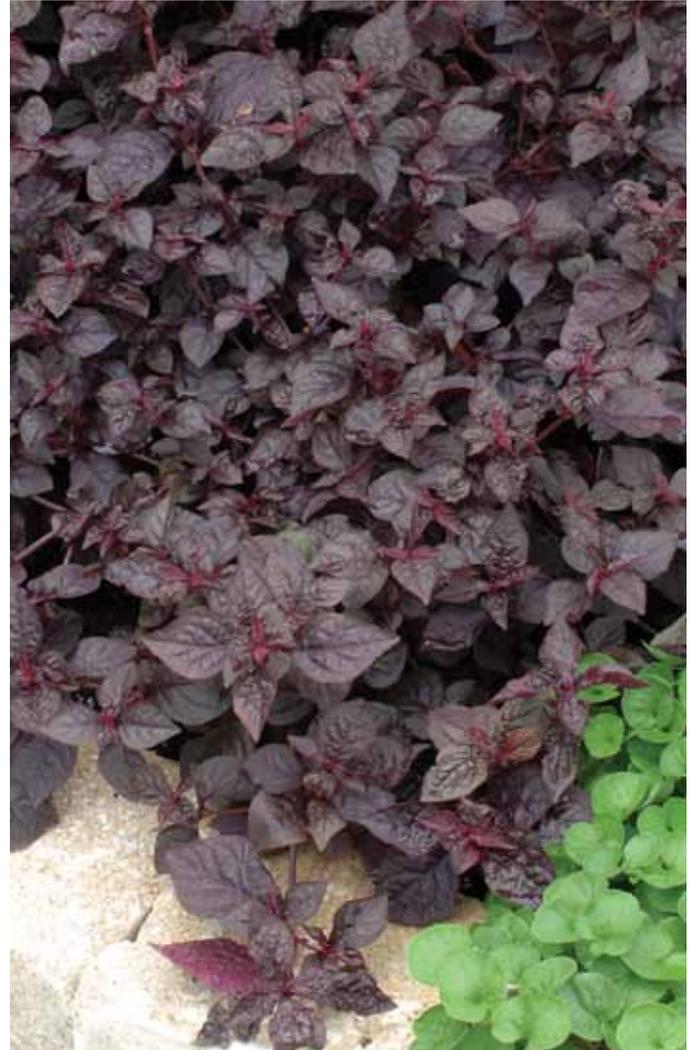
Candy Cane Purple Iberis



Candy Cane Lilac Iberis



Candy Cane Series Iberis



Purple Lady Iresine

PERENNIAL IBERIS

Whiteout, see page 193.

IBERIS ☀️🌱
Iberis umbellata

Candy Cane Series

Height: 13 to 14 in./33 to 35 cm
Spread: 8 to 10 in./20 to 25 cm

Direct sowing to finish: 10 to 14 weeks

Supplied as raw seed.

- Fast-growing, uniform plants are well-suited to mass plantings, large beds and edgings, producing a striking colour display.
- Can also be used as a cut flower, and produced as a pot plant for Mother's Day.

Also available: **Mixture**

IMPATIENS
See page 60.

INCARVILLEA ☀️🌱
Incarvillea sinensis

Cheron Series

Height: 10 to 20 in./25 to 50 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 to 6 weeks
Transplant to finish: 7 to 8 weeks

Supplied as raw seed.

- Unusual annual with a short crop time.
- Plants produce fernlike foliage and delicate, trumpet-shaped flowers that stand horizontal in 4 to 5-in./10 to 12-cm pots.
- Strong, sturdy plants flower freely all season.
- Works well in borders and patio planters.

IREesine ☀️🌱
Iresine herbstii

Purple Lady

Height: 6 to 8 in./15 to 20 cm
Spread: 3 to 4 ft./90 cm to 1.2 m

Plug crop time: 4 to 5 weeks
Transplant to finish: 5 to 6 weeks

Supplied as raw seed.

- Ideal for mixed containers, "solo" hanging baskets or planters, and as a groundcover.
- Also well-suited to indoor plant programs.
- Low and prostrate, spreading plant fills in nicely and cascades as branches get longer and heavier.
- Can withstand more sun in humid areas like Florida.



Cheron White Incarvillea



Cheron Pink Incarvillea



Divine Series

Your best shade alternative

Divine is the affordable, high-quality alternative to *I. walleriana*: High resistance to Impatiens Downy Mildew. More single colours and mixes than Florific. More vigour in planters and landscapes. More consistent colour and seed quality. Unsurpassed availability. Backed by 25+ years of PanAmerican Seed New Guinea know-how.



NEW

Divine Pink Improved

F1 NEW GUINEA IMPATIENS 🌞

Impatiens hawkeri

Divine Series

Height: 10 to 14 in./25 to 35 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 7 to 8 weeks

Supplied as professional quality raw seed.

- Grower-friendly series is perfect for shade landscape premium packs, 4-in./10-cm and quart pot programs.
- Best-in-class seed quality delivers consistent, transplantable yields and quick crop time from plugs.
- 6 to 7-week finishing of premium packs from a 288 plug makes Divine a good fit in bedding plant production schemes.
- Uniform, full and big-bloomed plants also make lush hanging baskets and containers with all-season colour.
- Foliage ranges from green to bronze-green.

New Pink Improved offers better availability, slightly less vigour to better match the series, and larger flowers with more consistent, less shaded colour.

New Violet Improved makes more compact, tidier plants with better flower/leaf form and darker flower colour. Formerly Burgundy.

New White was formerly White Blush.

Fresh Mixture contains NEW Pink Improved, Orange, White.

Hot Cha Cha Mixture contains NEW Violet Improved, Orange Bronze Leaf, Scarlet Bronze Leaf.

Islander Mixture contains Scarlet Red, White, Blue Pearl.

Mystic Mixture contains Lavender, NEW Violet Improved, White.

Red White Mixture contains Scarlet Red, White.

Salsa Mixture contains Orange Bronze Leaf, Scarlet Red, White.



Mixture



Mystic Mixture



Islander Mixture



Fresh Mixture



Hot Cha Cha Mixture



Red White Mixture



Salsa Mixture



NEW Violet Improved
RHS Award of Garden Merit



Cherry Red



NEW White



Blue Pearl



Orange



Orange Bronze Leaf



NEW Pink Improved



Lavender



Scarlet Bronze Leaf



Scarlet Red



Impreza White



Impreza Rose

F₁ IMPATIENS 
Impatiens walleriana

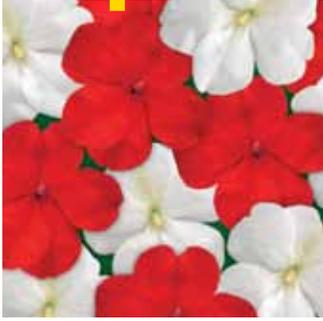
Impreza® Series

Height: 6 to 8 in./15 to 20 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 3 to 4 weeks

Supplied as raw seed.

- One of the most grower and retailer-friendly series available offers a streamlined range of top-selling colours.
- Reduced apical dominance, decreased internode length and good soil coverage produce easy-to-manage plants with less upward stretch and potentially fewer growth regulators needed - perfect for high-density programs.
- Long shelf life for extended sales and reduced dump.
- All colours finish in a 5 to 7-day window for efficient shipping and flexibility, letting you adjust the colour assortment to meet seasonal/ regional and market needs.
- Good garden fill - plants stay full and look nice all season with less lodging.



Red White Mixture



Mixture



Intense Mixture



Passion Mixture



South Beach Mixture



Wedgewood Mixture



White



Cherry Splash



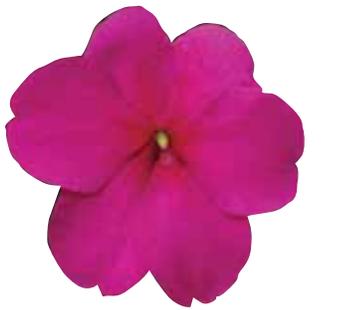
Pink



Rose



Blue Pearl



Violet



Salmon



Punch



Red



Super Elfin XP Red Starburst

XP: Much more than improved

Count on XP varieties for precise, programmable, predictable growing. All XP varieties deliver a tight bloom window, prolific flowering, exceptionally uniform habit and strong plant vigour.



XP Scarlet



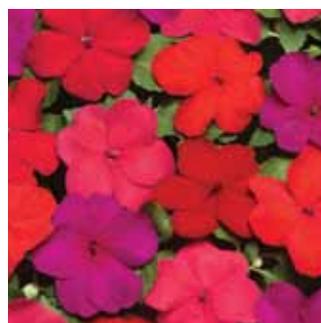
XP Red White Mixture



XP Formula Mixture



XP Clear Mixture



XP Hot Mixture

F1 IMPATIENS continued

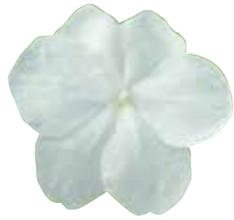
Super Elfin[®] XP Series

Height: 8 to 10 in./20 to 25 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 3 to 4 weeks

Supplied as raw seed.

- Bring in the best habit, vigour and timing uniformity across a broad colour range with Super Elfin XP.
- Delivers a 5 to 7-day flowering window across all colours so all plants ship at the same time to meet market dates.
- The broad colour range lets you mix and match any Super Elfin XP variety to achieve the most uniform impatiens crop.



XP White



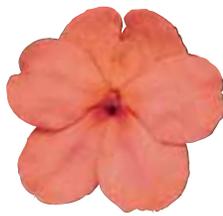
XP Pink



XP Coral



XP Salmon Splash



XP Melon



XP Salmon



XP Rose



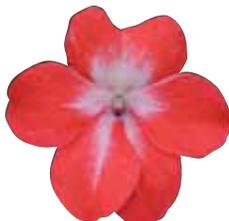
XP Violet Starburst
US 5,986,188



XP Blue Pearl



XP Lilac



XP Red Starburst
US 5,986,188



XP Punch



XP Red



XP Scarlet



XP Violet



Cha Cha Mixture



Seaside Mixture



Sedona Mixture



Mixture



Paradise Mixture



Bright Orange



Lipstick



Ruby

Super Elfin® Standard Series

Height: 8 to 10 in./20 to 25 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 3 to 4 weeks

Supplied as raw seed.



Dazzler Baby Shower Mixture



Grower Select Mixture



Merlot Mixture



Tutti Fruitti Mixture



Voodoo Too Mixture



Mixture



Passionfruit Mixture



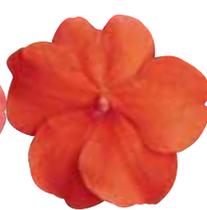
White



Salmon Splash



Salmon



Orange



Coral



Pink



Blue Pearl



Lilac Splash



Violet



Rose



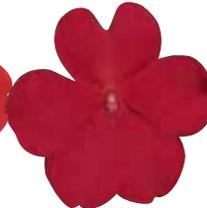
Punch



Scarlet



Red



Cranberry

F1 IMPATIENS continued

Dazzler® Series

Height: 9 to 11 in./23 to 28 cm
Spread: 13 to 15 in./33 to 38 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 3 to 4 weeks

Supplied as coated seed.

Available in North America only.

- The highest seed quality and extremely uniform growth with high yields makes Dazzler perfect for mechanized sowing.
- Healthy, uniform plants have controlled, manageable vigour; fill in quickly and are covered with 1.5-in./4-cm blooms.
- Well-matched across the series, all the colours come into bloom together and flower freely until frost.
- Well-suited to pack, 4-in./10-cm pot and basket programs.

INCARVILLEA

See page 59.

IREFINE

See page 59.

ISOLEPIS (FIBER OPTIC GRASS)

See ColorGrass, page 53.



Gemini Blue



Gemini Pink

ISOTOMA (LAURENTIA) ☀️
Isotoma axillaris

Tristar Series

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

Plug crop time: 4 to 5 weeks
Transplant to finish: 9 to 10 weeks

Supplied as pelleted seed.

- Well-matched for earliness and uniformity, easy-to-grow Tristar works well in containers and gardens.
- Floriferous plants produce single blooms over finely cut foliage.

F1 ISOTOMA (LAURENTIA) ☀️
Isotoma hybrida

Gemini Series

Height: 8 in./20 cm
Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 9 to 10 weeks

Supplied as pelleted seed.

- Vigorous, free-flowering series delivers excellent garden performance, yet keeps a controlled, mounded habit in containers.
- Easy to grow - well-matched for earliness and uniformity.
- Works well in premium pack and 3.5 to 4-in./9 to 10-cm programs.
- Single star-shaped blooms over finely cut foliage.

JUNCUS
See **ColorGrass**, page 54.

KALE
See **SimplySalad**®, page 244.

KOELERIA
See **ColorGrass**, page 54.



Gemini Pink



Gemini Blue



Tristar White



Tristar Sky Blue



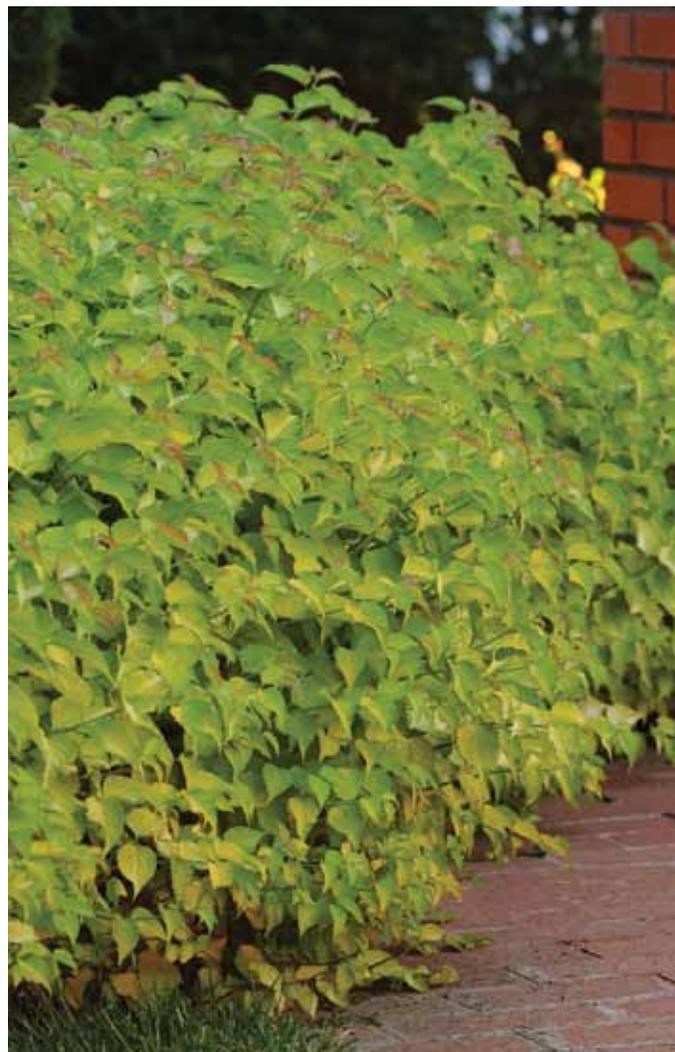
Twins Hot Pink Lavatera *Fleuroselect Gold Medal*



Twins Cool White Lavatera
Fleuroselect Quality Award



Enchantment Linaria



Jealousy Leycesteria

LAVANDULA (LAVENDER)

New Bandera Purple,
see page 194.

Ellagance Series,
see page 195.

Hidcote Blue Strain,
see page 196.

Lavance Purple, see page 196.

Mini Blue, see page 196.

Spanish Eyes, see page 196.

LAVATERA

Lavatera trimestris

Twins Series

Height: 12 to 20 in./30 to 50 cm
Spread: 12 to 20 in./30 to 50 cm

Plug crop time: 3 to 5 weeks
Transplant to finish: 8 to 10 weeks

Supplied as raw seed.

- Award-winning compact series delivers a short, 10 to 14-week crop time plus highly uniform habit and vigour.
- Blooms from May to September and stays healthy all season.
- Plants stay compact in containers, but reach full height and spread in garden beds.

LETTUCE & GREENS

See **SimplySalad**[®], page 244.

LEYCESTERIA

Leycesteria formosa

Jealousy

Height: 36 to 60 in./90 cm to 1.5 m
Spread: 18 to 20 in./45 to 50 cm

Plug crop time: 7 to 8 weeks
Transplant to finish: 6 to 7 weeks

USDA Hardiness Zones: 7 to 10
(0 to 30°F/-18 to -1°C minimum temperatures).

Supplied as multi-seed pellets.

- With its bright chartreuse foliage and bushy shape, Jealousy offers all-season interest - some blooms appear in July; cooler conditions bring maroon highlights to the foliage and flowers in the Summer; purple fruits appear in Autumn.
- Can be marketed as an annual, perennial or shrub.

LIMONIUM (STATICE)

QIS Series, see page 217.

F1 LINARIA

Linaria hybrida

Enchantment

Height: 14 to 16 in./35 to 40 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as multi-seed pellets.

- Fragrant blooms are produced continuously under cool conditions for an excellent Winter bedding plant.
- Upright and well-branched.
- Good for Spring and Autumn premium pack and 4-in./10-cm pot sales.



Florida Pink



Florida Silver



Florida Pink



Florida Sky Blue



Florida Blue



Sapphire White



Sapphire Double White



Sapphire Pink Rim



Sapphire Blue Chip

F1 CUT FLOWER LISIANTHUS

ABC Series, see page 218.

Flare Series, see page 220.

Laguna Series, see page 221.

F1 POT & BEDDING LISIANTHUS 🌻

Eustoma grandiflorum

Plug crop time: 8 to 10 weeks

Transplant to finish: 12 to 16 weeks

All Pot & Bedding Lisianthus are supplied as pelleted seed.

Florida Series

Height: 8 to 10 in./20 to 25 cm

Spread: 6 to 8 in./15 to 20 cm

- Our most heat-tolerant series for pot and garden use.
- Resists rosetting in both plug stage and after transplanting.
- Single-plant in 4.5-in./11-cm or multi-plant in larger container.

Forever White

Height: 8 to 10 in./20 to 25 cm

Spread: 6 to 8 in./20 to 25 cm

- Extremely well-branched like Sapphire series, but bigger for 5-in./12-cm pots, larger multi-planted containers or garden use.

Sapphire Series

Height: 5 to 6 in./12 to 15 cm

Spread: 4 to 6 in./10 to 15 cm

- Our most compact series for indoor plant use.
- Extremely well-branched.
- Single plant in 4-in./10-cm or multi-plant in larger container.



Sapphire Blue



Forever White

All-America Selections National Winner





Riviera White *Fleuroselect Novelty*



Riviera Mixture

PERENNIAL LOBELIA

- Delft Blue**, see page 196.
- Starship Series**, see page 197.
- Vulcan Red**, see page 196.

LOBELIA *Lobelia erinus*

COMPACT LOBELIA

Riviera Series

Height: 5 in./13 cm
Spread: 8 in./20 cm
Plug crop time: 4 to 5 weeks
Transplant to finish: 5 to 6 weeks

Supplied as raw seed and multi-seed pellets.

- Extra early-flowering series blooms about 15 days earlier than standard varieties for reduced bench time and extended selling season.
- Vigorous, ball-shaped plants stay compact and mounded, making them perfect for beds, borders, containers and colour bowls.

OTHER COMPACT LOBELIA

Height: 5 in./13 cm
Spread: 6 to 8 in./15 to 20 cm
Plug crop time: 4 to 5 weeks
Transplant to finish: 8 to 9 weeks

Cambridge Blue

Supplied as raw seed.

Cobalt Blue (Not pictured)

Supplied as raw seed and multi-seed pellets.

Crystal Palace

Supplied as raw seed and multi-seed pellets.

Mrs. Clibran

Supplied as raw seed.

Rapid Blue (Not pictured)

Supplied as raw seed and multi-seed pellets.

Rosamond

Supplied as raw seed.

String of Pearls

Supplied as raw seed.

White Lady

Supplied as raw seed and multi-seed pellets.



Riviera Midnight Blue
Fleuroselect Quality Award



Riviera Sky Blue *Fleuroselect Quality Award*



Riviera Marine Blue



Riviera Blue Eyes



Riviera Rose
Fleuroselect Quality Award



Riviera Lilac
 US 9300313



Riviera Blue Splash *Fleuroselect Novelty*
 US 9400206



Riviera White
Fleuroselect Novelty



Cambridge Blue



Crystal Palace



Mrs. Clibran



Rosamond



String of Pearls



White Lady

TRAILING LOBELIA

Fountain Series

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

Plug crop time: 4 to 5 weeks
Transplant to finish: 10 to 12 weeks

Supplied as raw seed.

- Profusely blooming plants have a cascading habit, making Fountain well-suited to hanging baskets and containers.

Regatta Series

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

Plug crop time: 4 to 5 weeks
Transplant to finish: 8 to 10 weeks

Supplied as raw seed and multi-seed pellets.

- Flowers up to 4 weeks earlier than other trailing varieties, perfect for selling in bloom during Spring.
- Vigorous plants flower profusely, cascading over the edge of hanging baskets, larger containers and colour bowls.



Regatta White



Regatta Lilac Splash
 US 200600188



Regatta Sky Blue
Fleuroselect Novelty



Regatta Lilac



Regatta Sky Blue, Sapphire, Rose, Midnight Blue & Blue Splash Lobelia

Sapphire Pendula

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

Plug crop time: 4 to 5 weeks
Transplant to finish: 10 to 12 weeks

Supplied as raw seed.

- Cascading, bronze-leaved plants are covered with white-eyed, sapphire blue flowers.

LOBULARIA

See **Alyssum**, page 18.

LUZULA

See **ColorGrass**, page 54.

LYCOPERSICUM

See **Tomato**, page 238.



Regatta Blue Splash
Fleuroselect Quality Award



Regatta Rose *Fleuroselect Quality Award*



Regatta Marine Blue *Fleuroselect Novelty*



Regatta Sapphire *Fleuroselect Novelty*



Regatta Midnight Blue



Regatta Mixture



Sapphire Pendula



Fountain Mixture



Fountain White



Fountain Lilac



Fountain Blue



Fountain Crimson



Fountain Rose



NEW Hot Pak Mixture



NEW

Fire

FRENCH MARIGOLD 🌻

Tagetes patula

HEAT-TOLERANT EXTRA-DWARF
CRESTED FRENCH MARIGOLD

New Hot Pak Series

Height: 6 to 7 in./15 to 18 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 3 weeks

Transplant to finish: 3 to 4 weeks

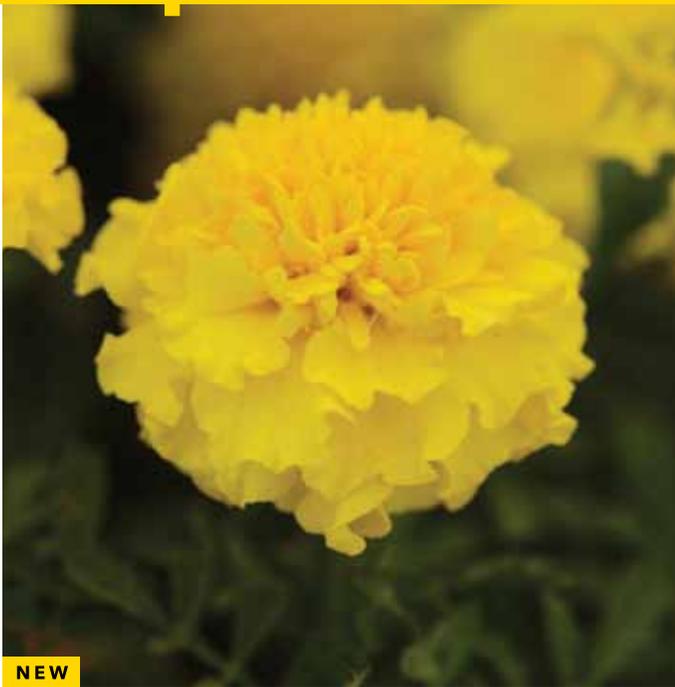
Supplied as de-tailed and coated seed.

- Hot Pak extends the marigold season in areas with high temperatures and high humidity.
- First-ever launch of a full French Marigold series with all the key colours, perfectly genetically matched.
- Produces 1.75 to 2-in./4.5 to 5-cm blooms.
- Ideal for pack programs and landscapes.

Yes, you can fire up your marigold sales!

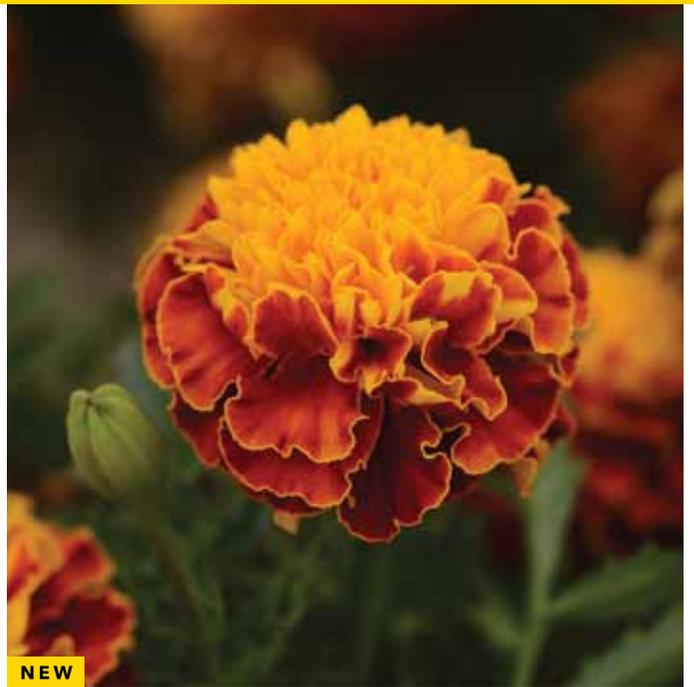
Say hello to Hot Pak, the first French Marigold series *bred to bloom all Summer long, even in the highest temperatures and humidity.* Developed IN the heat FOR the heat, these perfectly matched plants stay compact and keep on flowering without stretching or falling open.

hot pak



NEW

Yellow US PAF



NEW

Spry US PAF



NEW

Gold US PAF



NEW

Orange US PAF



NEW

Flame US PAF



NEW

Harmony US PAF



Your professional crested options (left to right): **NEW** Hot Pak, Janie, Bonanza



Durango Mixture



Bee



Bolero



Flame

DWARF ANEMONE FRENCH
MARIGOLD

Durango® Series

Height: 10 to 12 in./25 to 30 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 3 weeks

Transplant to finish: 4 to 5 weeks

Supplied as de-tailed and coated seed.

- Delivers a well-matched, 5 to 7-day flowering window across all colours.
- Produces uniformly shaped, extra-large, 2 to 2.5-in./5 to 5.5-cm flowers.
- Bushy, vigorous plants.

Outback Mixture contains Bolero, Red, Tangerine, Yellow.

Vigour moves them out early

Early-blooming Durango sets the highest standard for anemone-type marigolds. Thanks to its excellent branching, you can count on strong stems and more blooms. Whether you're producing packs or pots, you'll certainly appreciate Durango's unwavering uniformity from bench to garden.



Outback Mixture



Flame, Bolero & Red



Gold



Yellow



Orange



Tangerine



Red



Bonanza Flame



Mixture

DWARF CRESTED FRENCH
MARIGOLD

Bonanza Series

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

Plug crop time: 3 weeks
Transplant to finish: 3 to 4 weeks

Supplied as de-tailed and coated seed.

- Double crested flowers are the largest of any in this type - 2 to 2.5 in./5 to 6 cm across - in a wide range of pure, intense colours.
- Fast to flower with a tight flowering window.
- Plants are excellent garden performers under a wide range of conditions.

All-around performance

The market leader in French marigolds, Bonanza is the series to choose when you want to pump up your packs. This popular series delivers earliness, large flowers, uniformity and superior performance under a wide range of conditions.

bonanza



Gold



Deep Orange *Fleuroselect Novelty*



Flame



Yellow



Orange



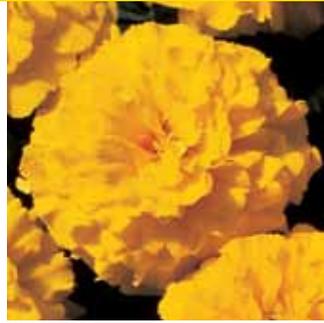
Bee



Harmony



Janie Mixture



Bright Yellow



Primrose



Gold



Tangerine



Deep Orange



Flame



Spry



Harmony

DWARF CRESTED FRENCH MARIGOLD continued

Janie Series

Height: 8 to 10 in./20 to 25 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 3 weeks

Transplant to finish: 3 to 4 weeks

Supplied as de-tailed and coated seed.

- Good for warmer southern markets or for late-season sales in the North - very heat-tolerant with good garden vigour in warmer temperatures.
- Early and uniform in the pack with excellent shelf life.
- Compact plants hold crested, 2-in./5-cm flowers nicely above the foliage.



Golden Boy



Boy O' Boy Mixture



Harmony Boy



Orange Boy *Fleuroselect Gold Medal*



Spry Boy



Yellow Boy

Boy Series

Height: 8 to 10 in./20 to 25 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 3 weeks

Transplant to finish: 5 to 6 weeks

Supplied as raw, de-tailed and coated seed.

- Excellent garden performers.
- Bright blooms are 1.5 in./4 cm across, on very free-flowering plants.
- Very uniform for habit and flowering time.

Honeycomb

Height: 10 to 12 in./25 to 30 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 3 weeks

Transplant to finish: 5 to 6 weeks

Supplied as raw and de-tailed seed.

- Vigorous plants.
- Fully double, crested, 1.5-in./4-cm flowers - each maroon petal has a gold border.



Honeycomb *Fleuroselect Gold Medal*



Golden Gate All-America Selections National Winner, Fleuroselect Quality Award



Garland Orange



Orange Jacket Fleuroselect Gold Medal



Orange Gate Fleuroselect Quality Award



Red Marietta



Garland Orange

DWARF CRESTED FRENCH MARIGOLD continued

Orange Jacket

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

Plug crop time: 3 weeks
Transplant to finish: 5 to 6 weeks

Supplied as raw seed.

- With more vigour than the Bonanza series, Orange Jacket excels as an outdoor performer in cool conditions.
- Flowers are 1.5-in./4-cm diameter.

FULLY DOUBLE FRENCH MARIGOLD

Gate Series

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

Plug crop time: 3 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw and de-tailed seed.

- A good choice for commercial landscapes, featuring round, fully double, 3-in./7-cm flowers that look like small African marigolds.
- Recommended as Summer pot annuals.

Also available: **Garden Gate Mixture** contains Golden, Orange, Yellow.

DWARF SINGLE FRENCH MARIGOLD

Red Marietta

Height: 10 in./25 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 3 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw and de-tailed seed.

- Excellent in packs, producing beautiful single, 2-in./5-cm flowers.

F1 AFRICAN (AMERICAN) MARIGOLD 🌻

Tagetes erecta

Garland Orange

Height:
Short day: 28 to 34 in./70 to 85 cm
Long day: 48 to 60 in./1.2 to 1.5 m

Supplied as de-tailed and coated seed.

- The first garland-type marigold from PanAmerican Seed delivers continuous flowering for big crops of deep orange blooms on long stems, perfect for ceremonial use.
- Flower size is 3.5 to 4.5 in./8 to 11 cm.
- Easy to grow and adaptable to a wide range of soil conditions.



Marvel Mixture



Marvel Yellow



Marvel Gold



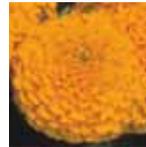
Marvel Orange



First Lady
All-America Selections National Winner



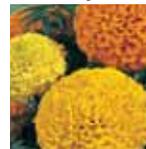
Primrose Lady



Gold Lady



Orange Lady



Lady Mixture



Vanilla

Marvel Series

Height: 18 in./45 cm
Spread: 10 in./25 cm

Plug crop time: 3 weeks
Transplant to finish: 7 to 8 weeks

New Now available as coated seed. Also supplied as de-tailed seed.

- Full, rounded, 3.75-in./9-cm blooms are packed with petals, ensuring that plants shed water and perform superbly outdoors.
- Extra-sturdy stems won't break in shipping or during poor weather conditions.
- Initiates flowering faster under short days, blooming as soon as 60 days from sowing.

Lady Series

Height: 20 in./50 cm
Spread: 10 in./25 cm

Plug crop time: 3 weeks
Transplant to finish: 8 to 9 weeks

Supplied as de-tailed seed.

- This standard for taller African/American marigolds makes outstanding mass plantings.
- Under cooler conditions, Lady produces very strong stems and a neat, tidy habit.
- Abundance of fully double, 3-in./7-cm blooms are held well above the foliage.

Taishan Series, see page 82.

Vanilla

Height: 16 in./40 cm
Spread: 10 in./25 cm

Plug crop time: 3 weeks
Transplant to finish: 7 to 8 weeks

Supplied as de-tailed and coated seed.

- Fully double heads have tight centres that shed water and avoid turning brown longer.
- Each double, creamy white bloom is 2.5 to 3 in./6 to 7 cm across atop darker green foliage.
- Plants flower to match Marvel series timing - grow both to offer a full colour range.
- Well-suited to beds, borders and large mixed containers.

MATRICARIA (TANECETUM)

Vegmo Series, see page 225.

CUT FLOWER MATTHIOLA (STOCK)

Aida Series, see page 224.

Carmen Yellow, see page 224.

Column Stock Collection, see page 222.

Figaro Series, see page 224.

Katz Series, see page 223.

Lucinda Series, see page 225.

Opera Series, see page 226.

BEDDING MATTHIOLA
See **Stock**, page 145.



Taishan Series

The better dwarf African marigold...gets even better!

Improved Orange and Yellow kick it up a notch with more uniform timing and habit to match Gold. With 20% shorter peduncles and 15% thicker stems than the market leader, Taishan stands tall with less stretch and less breakage. The result: full plants and season-long shows of big colour.



NEW

Mixture Improved

F1 AFRICAN MARIGOLD
continued

Taishan® Series

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

Plug crop time: 3 weeks
Transplant to finish: Spring 4 to 6 weeks, Summer 7 to 8 weeks

Supplied as de-tailed and coated seed.

- Big, tightly petaled blooms on super-strong stems look terrific at retail with less waste, better overhead watering tolerance and longer shelf life.
- Better branching with more aggressive side branching fills packs quickly and delivers a healthier look.
- Larger flowers hold their doubleness and shed water well.
- Performance is so spectacular that Taishan was featured in landscapes at the 2008 Olympic Games in Beijing, China.

New Orange Improved makes a shorter plant with improved fully double flower form and darker orange colour.

New Yellow Improved is earlier with larger flowers.

New Mixture Improved offers more uniform timing and habit across the three colours.

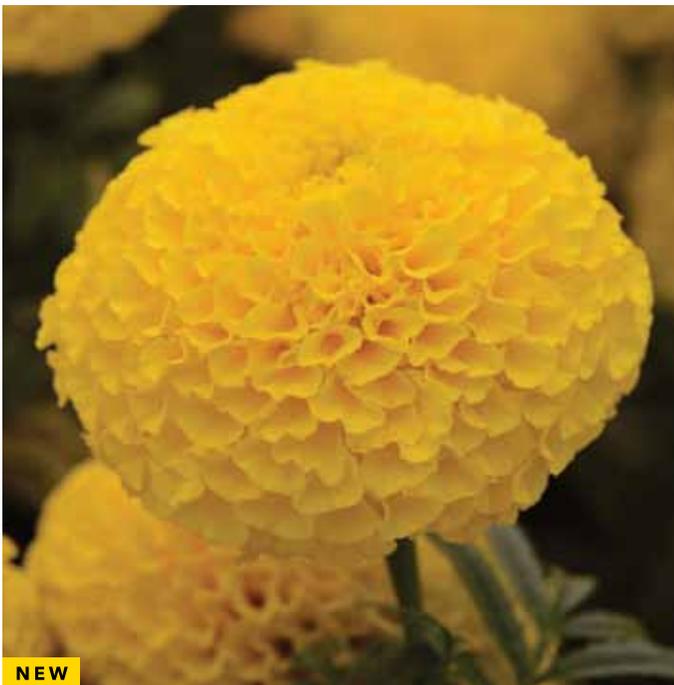


NEW

Mixture Improved

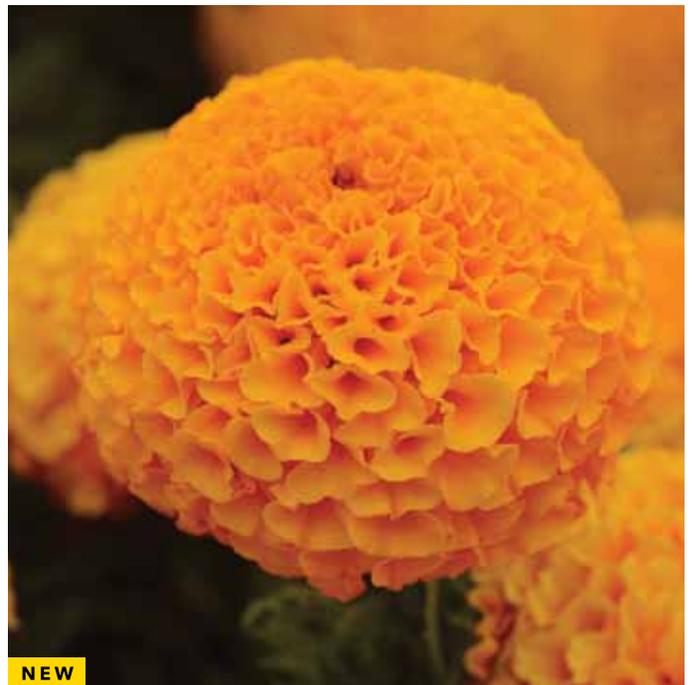


Gold



NEW

Yellow Improved



NEW

Orange Improved



Jade Princess

F1 MILLET, ORNAMENTAL 🌻

Pennisetum glaucum

Unique accent plants are appealing at retail and make a dramatic statement in mixed containers, gardens and landscapes.

Jade Princess

Height: 24 to 30 in./60 to 75 cm

Spread: 18 to 24 in./45 to 60 cm

Plug crop time: 2 to 3 weeks

Transplant to finish: 4 to 5 weeks (green)

Supplied as raw seed.

- Intense lime green leaves; controlled, mounded shape; and pollenless heads.
- Economical option for growers - seed can be direct-sown into finish containers, plants are well-suited to pot sizes up to gallons and the crop finishes fast.
- Compact plants ship well.
- NOTE: Jade Princess requires warmer temperatures than other millets to perform well.



Jester

Jester

Height: 3 to 4 ft./90 cm to 1.2 m

Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 2 to 3 weeks

Transplant to finish: 4 to 5 weeks (green)

Supplied as raw seed.

- Young leaves are chartreuse with a subtle burgundy overlay; mature foliage becomes dominantly burgundy, especially in full sun. Plants end the season with nearly the same bronze-purple colour as Purple Majesty.
- Jester flowers 7 to 10 days later than Purple Baron and Purple Majesty, stays compact longer.
- Best grown warm.



Purple Baron

Purple Baron

Height: 2.5 to 3.5 ft./75 cm to 1.1 m

Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 2 to 3 weeks

Transplant to finish: 4 to 5 weeks (green)

Supplied as raw seed.

- Large, thick flower spikes on plants that are better-branched at the base than Purple Majesty.
- Slightly darker purple than Purple Majesty, with leaves that are shorter and wider for easier shipping, on a plant that is about two-thirds the mature height.
- Young plants are green; stem and mid-rib begin to develop purple colour as they mature.
- Colour development is best when grown in full sun.



Purple Majesty *All-America Selections Gold Medal Winner*

Purple Majesty

Height: 4 to 5 ft./1.2 to 1.5 m

Spread: 8 to 12 in./20 to 30 cm

Plug crop time: 2 to 3 weeks

Transplant to finish: 4 to 5 weeks (green)

Supplied as raw seed.

- Young plants are green. Stem and mid-rib of the foliage first turn purple after about 8 leaves have developed. Foliage turns dark purple when plants are moved from the greenhouse outside into full sun.
- Also makes a good cut flower.



Poetry Deep Pink



Mixture



White



Lavender Pink



Pink



Blue

F1 NEMESIA 
Nemesia foetans

Poetry Series

Height: 12 to 14 in./30 to 35 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 weeks
Transplant to finish: 5 to 7 weeks

Supplied as pelleted seed.

- Uniform, grower-friendly varieties in bright colours are ideal for Spring and Autumn premium pack and 4-in./10-cm pot programs.
- Branches very well without pinching to produce bushy plants that fill out fast and full.
- Winter flowering will occur in milder temperatures; will also flower lightly in warmer conditions in partial shade.
- NOTE: It is recommended to sow 4 pellets per cell.



Touchy Tina Mimosa

MIMOSA 🌱
Mimosa pudica

Touchy Tina

Height: 4 to 6 in./10 to 15 cm
Spread: 16 to 36 in./40 to 90 cm;
dependent on location and plant age

Plug crop time: 4 to 6 weeks
Transplant to finish: 4 to 6 weeks
(sold green)

Supplied as raw seed.

- Easy-to-grow "sensitive plant" produces fernlike green foliage that folds together when touched.
- Flowers are pink.

MOLUCCELLA

Bells of Ireland, see page 225.

MONARDA

Bergamo, see page 198.

MYOSOTIS (FORGET-ME-NOT)

Mon Amie Blue, see page 198.



Purple Robe Nierembergia



White Robe Nierembergia

MULTI-PELLETS
Fuseables® Single-Species and Multi-Species Multi-Pellets, see page 46.
SimplyHerbs, see page 246.
SimplySalad®, see page 244.

NEMESIA 🌱
Nemesia strumosa

Sundrops Mixture

Height: 10 in./25 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 4 weeks
Transplant to finish: 8 weeks
Supplied as raw seed.

- Diverse colour range - gold, rose, red shades and white - in a wide array of patterns.
- Early-blooming, compact plants are ideal for small container growing.
- Useful as a cool-season crop to accompany Spring pansies.
- Timing fits into the cineraria/calceolaria crop time.



Sundrops Mixture Nemesia Fleuroselect Gold Medal

NEPETA

Blue Moon, see page 198.

Pink Cat, see page 198.

NEW GUINEA IMPATIENS

Divine Series, see page 60.

NICOTIANA 🌱
Nicotiana glauca

Nicki Series (Not pictured)

Height: 16 to 18 in./40 to 45 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 4 to 5 weeks
Supplied as raw seed.

- Rugged and durable, this vigorous series delivers a free-flowering habit, uniform height and excellent weather tolerance.
- Plants look good in the garden or commercial landscape from early Summer until frost.
- Best-suited to pot and large container production.

Colours available: **Lime, Rose** and **White**.

NIEREMBERGIA 🌱
Nierembergia coerulea

Robe Series

Height: 8 in./20 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 4 weeks
Transplant to finish: Green packs 3 weeks, pots 8 to 10 weeks

Supplied as raw seed.

- Hardy, early-blooming plants produce single, 1-in./2.5-cm flowers.
- Uniform, floriferous plants have strong garden vigour and long-flowering season in beds, borders and hanging baskets.
- Works well in garden beds and baskets.

OREGANO
See **Vegetables & Herbs**, page 246.

ORNAMENTAL MILLET
See page 84.

ORNAMENTAL PEPPER
See page 103.



Akila Lavender Shades



Mixture

F1 OSTEOSPERMUM ☀️
Osteospermum ecklonis

Akila® Series ⚡️

Height: 16 to 20 in./40 to 50 cm
Spread: 16 to 20 in./40 to 50 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: Spring 10 to 12 weeks, Autumn 7 to 9 weeks

Supplied as raw seed.

- The most compact seed series available offers bench-run uniform colours for ease of growing.
- Excellent branching assures better pot fill and great bench-to-garden performance.
- Well-suited to mechanized production and high-density programs.
- Plants branch without pinching; all colours flower within a 7 to 10-day window, no vernalization needed.
- Full, well-branched plants are drought-tolerant once established.

Daisy White petals have a pale yellow back.

“Sow easy, So awesome”

Akila comes with 5% higher germination than competitors for higher yields – it’s the best seed-grown osteo for both habit and seed quality. And Akila matches (or surpasses!) any vegetative series for easy, no-pinch production; terrific uniformity and top-selling colours.



Akila White Purple Eye with Clear Crystal Purple Shades Alyssum & Blue Dart Juncus



Daisy White All-America Selections National Winner, Fleuroselect Gold Medal



White



White Purple Eye



Lavender Shades



Purple

COOL
wave®
PANSIES



NEW Cool Wave Blue Skies

The best pansy ever!

Cool Wave spreading pansies crush competing varieties in trailing and filling containers. Plus, Cool Wave beats other pansies hands down for vigour and overwintering. And only Cool Wave packs the selling power of the Wave Brand.

F1 SPREADING PANSY ☀

Viola x wittrockiana

Cool Wave® Series ⚡

Height: 6 to 8 in./15 to 20 cm

Spread: 24 to 30 in./60 to 75 cm

Flower size: 2 to 2.25 in./5 to 6 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: Spring 6 to 7 weeks, Autumn 4 to 5 weeks

USDA Hardiness Zones: to Zone 5 (-20°F/-29°C minimum temperature)

Supplied as primed seed.

- The best-performing spreading pansy series delivers *easy spreading colour* for Spring and Autumn, so you can extend your growing season for the popular Wave Brand.
- The most prostrate habit of any spreading pansy - great in combos and as groundcover.
- More vigorous than any other spreading pansy.
- Superior overwintering hardiness - Cool Wave is the earliest pansy to return in the Spring.

New Blue Skies matches

Golden Yellow for habit and vigour. Cool nights/low PGRs deliver the deepest colour. High temperatures/PGR use show slightly lighter blue colour and broader yellow eye. Small number of blooms show dark purple cap.

New Lemon Surprise has lemon blooms with some genetic dark and light shading. The surprise: up to 3% of the blooms show a purple cap.

Red Wing is also known as **Sunshine 'N Wine** in North America.

Berries 'N Cream Mixture contains Purple, Violet Wing, White.

Pastel Mixture contains White, Frost, Yellow, Golden Yellow, NEW Lemon Surprise.

Actual size: 2-2.25 in./5-6 cm

Maximize your growing success

Find all you need to grow fantastic Cool Wave pansies in the comprehensive Production Handbook. It's available in English and Spanish at panamseed.com or ask your preferred distributor for a copy.



Cool Wave for Spring: Grab those early bird gardeners.
Pictured: Golden Yellow



Cool Wave for Autumn: A decorator's dream - versatile, colourful and long-lasting. Pictured: Red Wing / Sunshine 'N Wine



NEW

Lemon Surprise



Pastel Mixture



Berries 'N Cream Mixture



Mixture



White



NEW Lemon Surprise



Golden Yellow



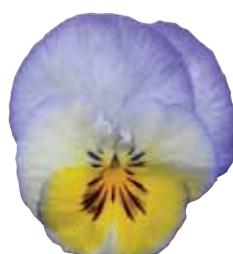
NEW Blue Skies



Purple



Red Wing /
Sunshine 'N Wine



Blueberry Swirl



Frost



Violet Wing



Matrix Series



Scott Rusch

Scott Rusch
Product Development Director

USE THE POWER OF THE RIGHT CHOICE

We bred, trialed and proved that every Matrix variety flowers and grows the same way in stressful Summer conditions. Then we focused on creating the better Spring option: Spring Matrix is bred and selected in North Europe and North America for the same uniformity, but with performance targeted to short days and cool-season growing. Wherever you grow, whenever you grow...all your pansy bases are covered.

F1 PANSY 🌻🌻
Viola x wittrockiana

F1 EXTRA-LARGE-FLOWERED PANSY

Matrix® Series

Height: 8 in./20 cm
Spread: 8 to 10 in./20 to 25 cm
Flower size: 3.5 in./9 cm

Plug crop time: 5 weeks
Transplant to finish: Spring 6 to 8 weeks, Autumn 4 to 6 weeks

Supplied as raw and primed seed.

- Matrix is your best option for longer days and warmer growing.
- Less handling, less waste and exceptional holding power increase your profitability.
- 7-day bloom window across all colours in Autumn production makes scheduling/growing easy.
- Extra-large flowers hold up to the heat and PGR stress in Summer/Autumn production.

New Beaconsfield has the largest flowers of this type on the market.
Blue Frost can contain blue blotch and white blotch shades, depending on environment.
New Solar Flare blooms show more red in low temperatures, more yellow in high.

Make your life easier

Matrix is the pansy you want for longer days and warmer growing. Uniformity of timing and plant habit simply can't be beat by any other varieties in the marketplace. Only Matrix has a tight bloom window that allows shipping of all 25 colours in the same week in Autumn.



White



Primrose



Lemon



Yellow



Orange



Rose



Light Blue



True Blue



Purple



White Blotch



Yellow Blotch



Rose Blotch



NEW Solar Flare



Red Blotch



Ocean



NEW Beaconsfield



Blue Blotch



Deep Blue Blotch



Sunrise



Rose Wing



Red Wing



Morpheus



Sangria



Lavender Shades



Blue Frost



Citrus Mixture



Autumn Blaze Mixture



Blotch Mixture



Clear Mixture



Coastal Sunrise Mixture



Halloween Mixture



Harvest Mixture



Ocean Breeze Mixture



Mixture

Matrix mixtures

Autumn Blaze Mixture contains Red Blotch, Red Wing, Yellow, Yellow Blotch.

Citrus Mixture contains Orange, Primrose, White, Yellow.

Coastal Sunrise Mixture contains Ocean, Rose Blotch, Sunrise.

Halloween Mixture contains Orange, Purple.

Harvest Mixture contains Yellow, Purple, Orange.

Ocean Breeze Mixture contains Blue Frost, Deep Blue Blotch, Ocean, White Blotch.

Raspberry Sundae Mixture contains Rose Wing, Rose, White Blotch.

Sunfire Mixture contains Sunrise, Yellow Blotch, Rose Blotch.

Tricolor Mixture contains Lemon, True Blue, Purple.

Matrix Gemstone mixtures

Amber Mixture contains Orange, Yellow, Lemon.

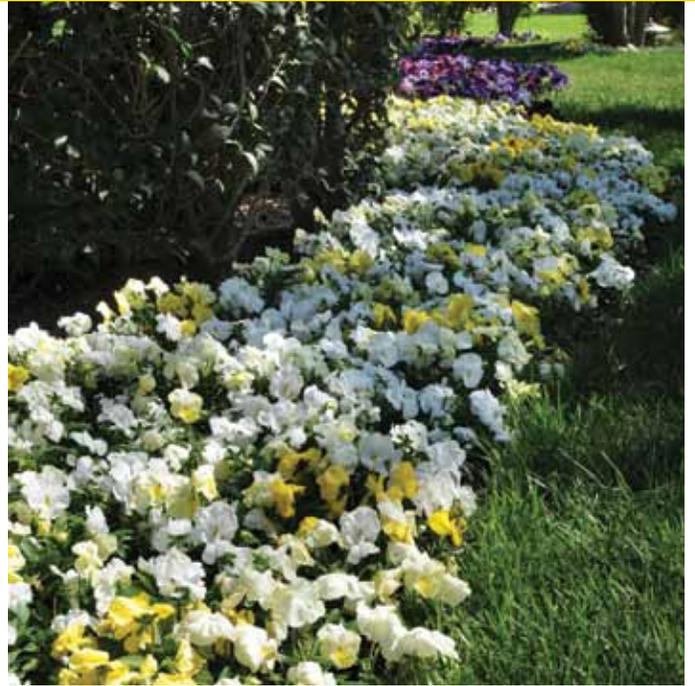
Amethyst Mixture contains Purple, Rose Blotch, Ocean, Deep Blue Blotch.

Jewels Mixture contains Lemon, Light Blue, True Blue, Orange, Purple, Rose, Yellow.

Ruby Mixture contains Rose, Rose Wing, Rose Blotch.

Tanzanite Mixture contains Ocean, White Blotch, Purple.

Topaz and Garnet Mixture contains Orange, Red Blotch, Yellow.



Raspberry Sundae Mixture



Sunfire Mixture



Tricolor Mixture



Amber Mixture



Amethyst Mixture



Jewels Mixture



Tanzanite Mixture



Ruby Mixture



Topaz and Garnet Mixture

spring matrix



Spring Matrix Series

Your simplest solution for Spring

If you're using another pansy series and you're not happy with the uniformity or plant habit, try Spring Matrix. Spring Matrix is designed for cool-season, short-day growing conditions – or when you need a large bloom that maintains good presentation under cold, dark, wet Winter production.

F1 LARGE-FLOWERED PANSY

Spring Matrix Series

Height: 8 in./20 cm

Spread: 8 to 10 in./20 to 25 cm

Flower size: 3 in./7 cm

Plug crop time: 5 weeks

Transplant to finish: Spring 6 to 7 weeks, Autumn 4 to 5 weeks

Supplied as raw and primed seed.

- *Spring Matrix* is your best option for shorter days and cool growing.
- Plants look better, last longer and have the tightest flowering window for less dump.
- Superior branching without stretching puts more flowers on every plant.
- Flowers optimized for production in Winter/Spring to improve presentation.
- Grower tested and selected in the northern United States and Europe.

Blue Wing displays stronger blue colour under cool temperatures.

Ocean can contain a small percentage of white with blotch.

Daffodil Mixture contains Deep Orange, Lemon, Yellow, White.

Pastel Mixture contains Pink Shades, Lemon, Blue.

Tricolor Mixture contains Blue, Lemon, Purple.

spring matrix



White



NEW Primrose



Lemon



Yellow



Deep Orange



Rose



Scarlet



Blue



Purple



White Blotch



Yellow Blotch



Golden Yellow Blotch



Rose Blotch



Red Blotch



Ocean



Blue Blotch



NEW Lavender Shades



Pink Shades



NEW Purple & White



Sangria



Blue Wing



Midnight Glow



Mixture



Blotch Mixture



Tricolor Mixture



Pastel Mixture



Clear Mixture



Daffodil Mixture



Promise Primrose



Sunset



Antique Shades



Rose Shades



True Blue



Pure White



White Blotch



NEW Pure Lemon



Pure Yellow



Yellow Blotch



Yellow Red Wing



NEW Blue White Whiskers



Pure Lilac Shades



Beaconsfield



Denim



Blue Blotch



Red Blotch

F1 LARGE-FLOWERED PANSY continued

Promise® Series

Height: 8 to 12 in./20 to 30 cm

Spread: 8 to 12 in./20 to 30 cm

Flower size: 2.75 in./7 cm

Plug crop time: 5 weeks

Transplant to finish: Spring 6 to 7 weeks, Autumn 4 to 5 weeks

Supplied as raw and primed seed.

- Selected for European growing conditions, Promise produces early, compact plants with large flowers.
- So compact that plants will not extend beyond the edge of the pot in production - ideal for high-density, pot-tight programs.
- Excellent landscape vigour and floriferousness over a long bloom season.
- Wide range of classic and contemporary colours.

Also available: **Outback Fire, Pure Silver Azure, NEW Mixture Improved, NEW Blotch Mixture Improved**



Frizzle Sizzle Mixture



Frizzle Sizzle Yellow



Frizzle Sizzle Orange



Frizzle Sizzle Yellow-Blue Swirl



Frizzle Sizzle Raspberry



Fizzy Lemonberry



Fizzy Grape



Frizzle Sizzle Blue



Frizzle Sizzle Burgundy

F1 MEDIUM-FLOWERED PANSY

Halloween II

Height: 6 to 8 in./15 to 20 cm
Spread: 8 to 10 in./20 to 25 cm
Flower size: 1.75 to 2 in./4.5 to 5 cm

Plug crop time: 5 weeks
Transplant to finish: Autumn 2 to 3 weeks

Supplied as raw and primed seed.

- Mid-size blooms are a unique, uniform pure black colour, on strong, short peduncles.
- Early, well-branched and floriferous plants overwinter with ease.
- Great for Autumn pots and packs.

F1 RUFFLED PANSY

Fizzy Series

Height: 6 to 8 in./15 to 20 cm
Spread: 8 to 10 in./20 to 25 cm
Flower size: 2.5 in./6 cm

Plug crop time: 5 weeks
Transplant to finish: Spring 8 to 9 weeks, Autumn 4 to 6 weeks

Supplied as raw and primed seed.

- High seed quality and eye-catching looks deliver a top-performing pansy.
- Stronger ruffling occurs in cool conditions.
- Well-suited to packs, 3.5-in./9-cm pots, colour bowls and baskets.

Frizzle Sizzle Series

Height: 6 to 8 in./15 to 20 cm
Spread: 8 to 10 in./20 to 25 cm
Flower size: 2.5 in./6 cm

Plug crop time: 5 weeks
Transplant to finish: Spring 6 to 8 weeks, Autumn 4 to 6 weeks

Supplied as raw and primed seed.

- Offers more unique and bold colours than any other series of this type.
- Frilly flower form is great for cool season end cap displays, looks great in containers and "close-up" landscapes.
- Stronger ruffling occurs in cool conditions; Spring production is recommended.



Halloween II



Panola XP True Blue

XP: Much more than improved

Count on XP varieties for precise, programmable, predictable growing. All XP varieties deliver a tight bloom window, prolific flowering, exceptionally uniform habit and strong plant vigour.

Mix 'n match made easy!

Panola XP genetics come with a tight 5 to 7-day flowering window, very uniform habit and shorter peduncles across a broad array of colours... including landscaper-friendly clear colours perfect for mixing up custom blends.

F1 MULTIFLORA PANSY

Panola® XP Series

Height: 6 to 8 in./15 to 20 cm

Spread: 8 to 10 in./20 to 25 cm

Flower size: 2 to 2.25 in./5 to 6 cm

Plug crop time: 5 weeks

Transplant to finish: Spring 4 to 5 weeks, Autumn 3 to 4 weeks

Supplied as raw and primed seed.

- Both Panola XP and standard colours outperform standard medium-flowered varieties in all kinds of conditions.
- The exceptional overwintering ability makes Panola the best choice for overwintering guarantee pansy programs.
- Free-flowering, well-branched and compact, the early-blooming plants maintain their garden height with less stretch in warm climates.
- Plants produce an abundance of blooms for good flower show in the landscape.

Autumn Blaze Mixture contains Scarlet, Sunburst, Yellow.

Baby Boy Mixture contains Marina, True Blue, White.

Blackberry Sundae Mixture contains Purple Face, Purple, White.

Citrus Mixture contains Deep Orange, White, Yellow.

Halloween Mixture contains Orange plus black.

Jewels 'N Jazz Mixture contains Deep Orange, Purple, Scarlet, True Blue, Yellow.

Panola® Series

See page 102.



XP Citrus Mixture



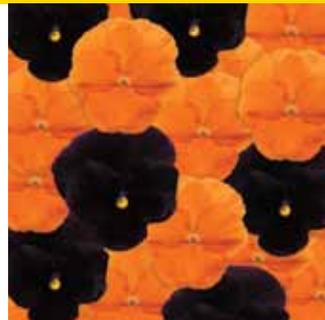
XP Baby Boy Mixture



XP Blackberry Sundae Mixture



XP Autumn Blaze Mixture



XP Halloween Mixture



XP Clear Mixture



XP Blotch Mixture



XP Mixture



XP Jewels 'N Jazz Mixture



XP White



XP Yellow



XP Deep Orange



XP Scarlet



XP True Blue



XP Purple



XP White Blotch



XP Yellow Blotch



XP Sunburst



XP Beaconsfield



XP Deep Blue Blotch



XP Marina



XP Rose Picotee



XP Fire



XP Purple Face



Panola Silhouette Mixture



Panola Primrose



Panola Yellow & Purple



Panola Red Blotch



Panola Pink Shades



Panola Lilac Shades

F1 MULTIFLORA PANSY continued

Panola® Series

Height: 6 to 8 in./15 to 20 cm
Spread: 8 to 10 in./20 to 25 cm
Flower size: 2.25 in./6 cm

Plug crop time: 5 weeks
Transplant to finish: Spring 4 to 5 weeks, Autumn 3 to 4 weeks

Supplied as raw and primed seed.

Silhouette Mixture contains Primrose and Pink Shades plus shades of lilac.



Butterfly White Pentas



Butterfly Light Lavender Pentas



Butterfly Lavender Shades Pentas



Butterfly Deep Pink Pentas



Butterfly Deep Rose Pentas



Butterfly Red Pentas

PAPAVER (POPPY)

Champagne Bubbles Series, see page 198.

Moondance, see page 199.

PARSLEY See page 247.

PELARGONIUM

See **Geranium**, page 51.

PENNISETUM GLAUCUM

See **Ornamental Millet**, page 84.

PENSTEMON

Carillo Series, see page 199.

Electric Blue, see page 199.

Tubular Bells Series, see page 199.

F1 PENTAS 🌞

Pentas lanceolata

Butterfly Series 🌸

Height: 12 to 22 in./30 to 55 cm
Spread: 10 to 18 in./25 to 45 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: South 8 to 10 weeks, North 10 to 12 weeks

Supplied as pelleted seed.

- Hybrid vigour provides better stress tolerance than open-pollinated varieties.
- Features large, star-shaped flowers and umbels up to 3 in./7 cm across.
- Flourishes in full sun with high heat and humidity.
- Attracts butterflies and hummingbirds.
- Can be sold as a late Spring to Summer item in cooler areas.

Deep Rose is the earliest of the series.

Lavender Shades and **Light Lavender** are the most compact. **White** is the tallest. Some pink blushing under cooler conditions.



Black Pearl with Clear Crystal White Alyssum

PEPPER See **Vegetables**, page 242.

PEPPER, ORNAMENTAL 🌞
Capsicum annuum

FOLIAGE ORNAMENTAL
LANDSCAPE PEPPER

Black Pearl 🏠

Height: 14 to 18 in./35 to 45 cm; may grow to 3 ft./90 cm or more in warmer areas with longer growing seasons.

Spread: 12 to 16 in./30 to 40 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 9 to 10 weeks (no fruit), 16 to 20 weeks (mature fruit)

Supplied as raw seed.

- The first black-leaved ornamental pepper is ideal for landscapes and mixed containers.
- Bushy, upright, well-branched plants have greenish foliage when young that matures to glossy black with high light and heat.
- In the landscape, plants develop rounded, shiny black fruit that matures to dark red.
- Good for 4-in./10-cm to gallon programs.
- NOTE: Fruit is hot.

Calico F1 🏠

Height: 10 to 12 in./25 to 30 cm
Spread: 14 to 16 in./35 to 40 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 9 to 10 weeks (no fruit), 16 to 20 weeks (mature fruit)

Supplied as raw seed.

- High-appeal, strongly variegated foliage of purple, cream and green.
- Compact, well-branched and rounded accent plants are uniform in size across the crop for easy production.
- Extremely heat-tolerant - great for landscaping and mixed containers.
- Well-suited to 4-in./10-cm to gallon programs.
- NOTE: Fruit is hot.

Purple Flash 🏠

Height: 13 to 15 in./33 to 38 cm
Spread: 19 to 21 in./48 to 52 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 9 to 10 weeks (no fruit), 16 to 20 weeks (mature fruit)

Supplied as raw seed.

- Striking colouration and interesting plant architecture enhance gardens and mixed containers through the toughest conditions, including heat.
- Layered, scaffolding habit creates an exotic look.
- Compact, mounded plants are uniform in size across the crop for easy production.
- Good in premium packs, 4 to 6-in./10 to 15-cm pots and gallons.
- NOTE: Fruit is hot.



Black Pearl All-America Selections National Winner, Fleuroselect Quality Award
US PVP 200500020



Calico



Purple Flash



Purple Flash with Serena Purple Angelonia & NEW Taishan Orange Marigold



Chilly Chili All-America Selections National Winner US 7,087,819 and 7,393,995



Sangria US 7,393,995 and 7,696,416

FRUITING ORNAMENTAL
LANDSCAPE PEPPER

Sangria F₁

Height: 10 to 12 in./25 to 30 cm
Spread: 16 to 18 in./40 to 45 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 8 to 12 weeks (no fruit), 12 to 18 weeks (mature fruit)

Supplied as raw seed.

- Child-safe, non-pungent fruit is great for public plantings indoors and out.
- Indeterminate plants always have both purple and red peppers for continuous, eye-catching displays.
- Well-branched and somewhat spreading, the uniform, full-bodied plants are ideal for filling in landscapes and containers.
- Well-suited to premium packs, 4 to 6-in./10 to 15-cm pots and gallons.

FRUITING ORNAMENTAL POT
PLANT PEPPER

Chilly Chili

Height: 9 to 10 in./23 to 25 cm
Spread: 13 to 14 in./33 to 35 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 8 to 12 weeks (no fruit), 12 to 18 weeks (mature fruit)

Supplied as raw seed.

- Child-safe, non-pungent fruit - ideal for indoor and outdoor use in public and residential areas.
- F₁ vigour makes it excellent for large containers and landscape use.
- Fruit starts out greenish yellow, gradually changes to orange and matures to dark red.
- Each fruit is 2 to 2.5 in./5 to 5.5 cm long.
- Overall plant size is about 30% larger than Medusa, with similar crop time.
- Recommended for 4.5 to 6-in./11 to 15-cm pots.



Masquerade

Masquerade

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

Plug crop time: 4 to 5 weeks
Transplant to finish: 12 to 14 weeks (mature fruit)

Supplied as raw seed.

- Very early plants bear long fruit that is purple when they appear, then turn yellow, orange, and finally red.
- For early 4-in./10-cm pot sales.
- NOTE: Fruit is hot.



Medusa US PVP 200000140; US 7,087,819 and 7,393,995

Medusa

Height: 6 to 8 in./15 to 20 cm
Spread: 4 to 6 in./10 to 15 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 8 to 12 weeks (no fruit), 12 to 18 weeks (mature fruit)

Supplied as raw seed.

- Child-safe, non-pungent fruit is colourful and twisted.
- Naturally dwarf, well-branched plants.
- Ideal for 4-in./10-cm pot culture, with no growth regulators needed.
- Produces 2 to 2.5-in./5 to 5.5-cm fruit that starts ivory and turns yellow, then orange and finally bright red.
- A single plant can produce 40 to 50 fruits, displaying the entire colour range at once.
- Holds fruit well, allowing for great shelf life and long sales period.
- Dark green foliage.

Red Missile

Height: 8 to 10 in./20 to 25 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 12 to 14 weeks (mature fruit)

Supplied as raw seed.

- Compact plants offer 2-in./5-cm, hot, tapered fruit that changes from cream to orange to bright red.
- Earliest to fruit.
- Good for containers and gardens.
- NOTE: Fruit is hot.

CUT FLOWER ORNAMENTAL PEPPER

Cappa F1 Series

Height: 32 to 40 in./80 cm to 1 m
Spread: 12 to 16 in./30 to 40 cm

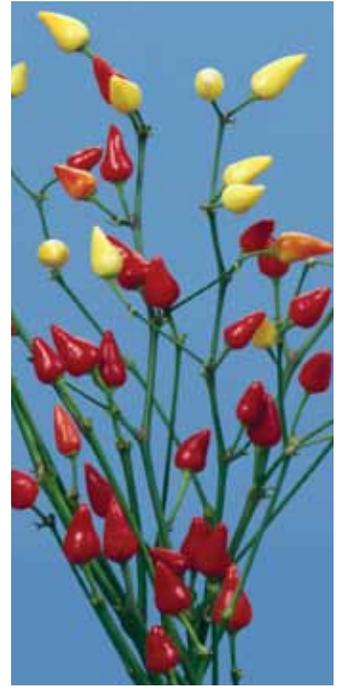
Plug crop time: 4 weeks
Transplant to finish: 14 to 18 weeks

Supplied as raw seed.

- Strong stems are topped with many colourful, long-lasting fruits.
- Basal-branching plants are highly productive.
- Suitable for greenhouse and field cut flower production.

PEROVSKIA

Taiga, see page 200.



Cappa Cone White-Red

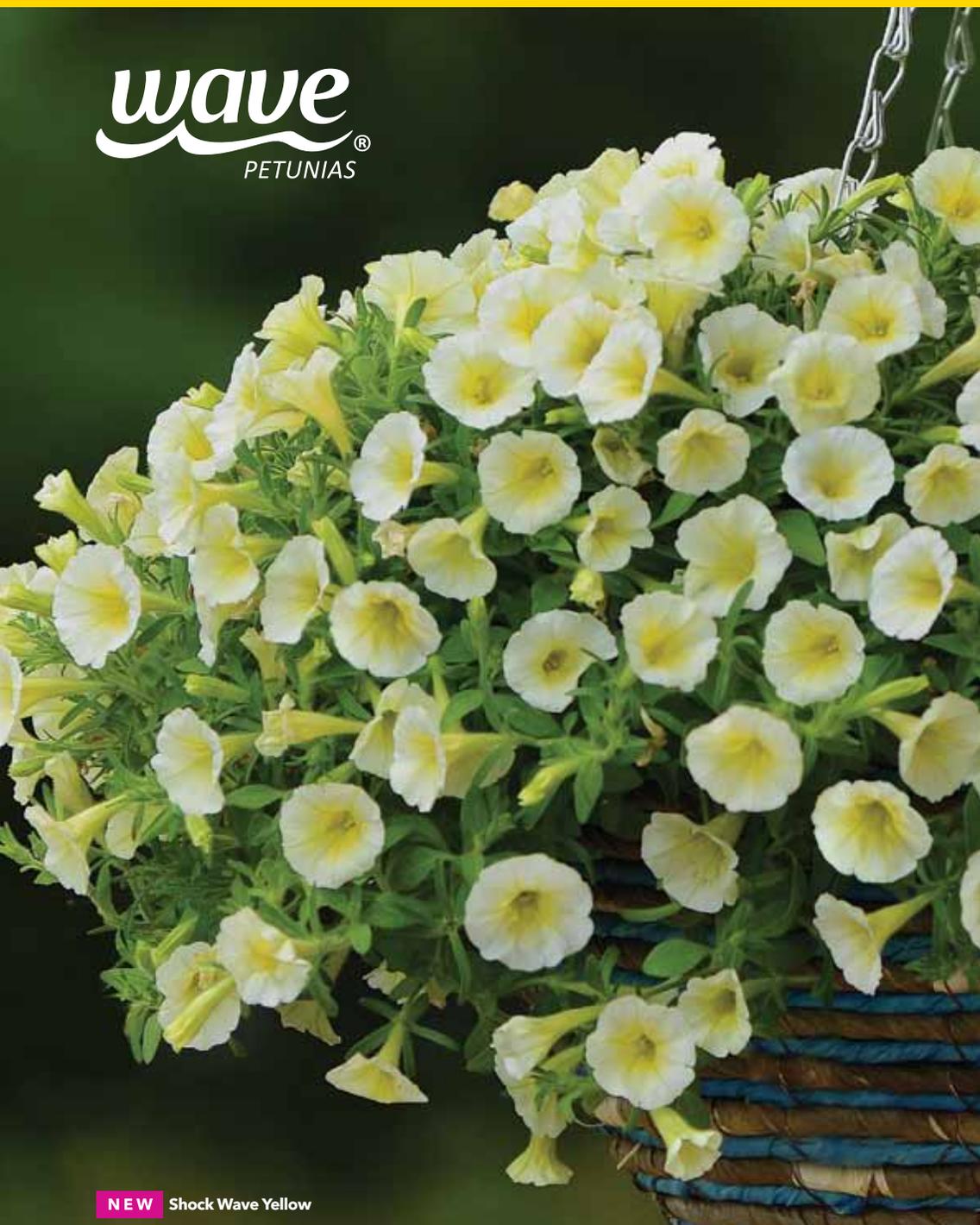


Cappa Round Red



Red Missile

wave
PETUNIAS



F1 SPREADING PETUNIA 🌞

Petunia x hybrida

Made with Wave Fuseables®

See page 48 for Made with Wave Fuseables varieties.

Shock Wave® Series 📏

Height: 7 to 10 in./17 to 25 cm

Spread: 2.5 to 3 ft./75 to 90 cm

Flower size: 1.5 to 2 in./4 to 5 cm

Plug crop time: 4 to 6 weeks

Transplant to finish: Spring 5 weeks, Summer 4 weeks

Supplied as pelleted seed.

- Earliest-flowering series in the Wave family.
- Blooms in a 4 to 6-day window.
- Rebounds faster from overhead watering and rain than other petunias – stays fresher-looking at retail and outdoors.
- Performs equally well in small spaces, baskets, containers and mixed combos.
- Mounded, spreading plants are similar in shape and just as easy to manage as Easy Wave® petunia.
- Recommended in Wave branded packaging: 4-in./10-cm pots, premium quarts, 306 premium packs, hanging baskets.

Pink Shades 📏

Pink Vein 📏

Rose 📏

Coral Crush retains colour well in high light.

Denim flowers are dark blue-purple in cool/low-light and greenhouse production; change to blue-lavender-silver in high light and hot conditions.

New Yellow has better branching with strong rooting compared to vegetative yellow varieties.

Amp Mixture contains Rose, Red, Coral Crush.

Buzz Mixture contains Coconut, Rose, Pink Shades.

Power Mixture contains Deep Purple, Rose, Coconut.

Spark Mixture contains Coconut, Denim, Pink Shades.

Volt Mixture contains Red, Coconut, Denim.

NEW Shock Wave Yellow

The best for baskets

You've never seen petunia hanging baskets like these – each Shock Wave plant is blanketed with tons of colour from the amazing number of petite, high-impact flowers. Start your Wave sales early with the *first and the earliest-to-flower spreading petunia series*.

shock wave®



Buzz Mixture



Spark Mixture



Power Mixture



Volt Mixture



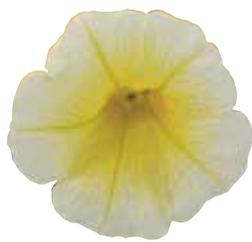
Amp Mixture



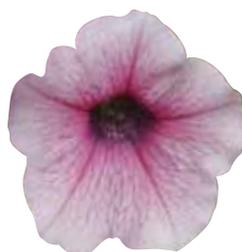
Deep Purple



Coconut



NEW Yellow



Pink Vein



Pink Shades



Rose



Denim



Coral Crush



Red



Deep Purple

wave
PETUNIAS



NEW Easy Wave Pink Passion

More premium colours to pump up profits

The velvety Easy Wave Velour trio took the market by storm... now three more standouts join this best and largest-selling spreading petunia series: Pink Passion, Silver and Yellow. These all-season salesmakers are easier on the bench and in the store.

Easy Wave® Series

Height: 6 to 12 in./15 to 30 cm
Spread: 2.5 to 3.25 ft./75 cm to 1 m
Flower Size: 2 to 3 in./5 to 7 cm

Plug crop time: 4 to 6 weeks
Transplant to finish: Spring 6 weeks, Summer 4 weeks

Supplied as pelleted seed.

- The most versatile of all large-flowered spreading petunias - perfect for solo and mixed planters and baskets, gardens and landscapes.
- Exceptional uniformity means simplified production, maximized plug yields and the ability to meet every ship date for every colour. Lets you grow specialty mixes, too!
- More mounded with more controlled spread than Wave varieties.
- Recommended in Wave branded packaging: 6-in./15-cm pots, premium quarts, 306 premium packs, hanging baskets.

Blue flowers have some lighter blue shading.

Burgundy Star pattern is consistent with standard star petunias - some flowers may be more solid or more white.

New Pink Passion timing is 8 to 10 days earlier than Pink in Spring natural daylength conditions. Habit is like Neon Rose.

Plum Vein is slightly more upright than others in the series.

New Silver colour is similar to Tidal Wave Silver. Dense, holdable plants are great for landscapes.

Violet is slightly more upright than others in the series.

New Yellow has better branching with strong rooting compared to vegetative yellow varieties. Flower size is similar to Red. *Available in North America only for 2016.*

Beachcomber Mixture contains Blue, Coral Reef, Shell Pink

Gelato Mixture contains Coral Reef, Neon Rose, White.

Great Lakes Mixture contains Violet, Blue, White.

Opposites Attract Mixture contains Violet, Coral Reef.

Plum Pudding Mixture contains Plum Vein, Violet.

South Beach Mixture contains Red, Violet, Coral Reef.

Starfish Mixture contains Burgundy Star, White.

Sweet Tart Mixture contains Mystic Pink, Neon Rose, White.

The Flag Mixture contains Red, White, Blue.

Also available:

Mixture contains Blue, Coral Reef, Mystic Pink, Neon Rose, Pink, Red, Rosy Dawn, Violet, White.



Starfish Mixture



Sweet Tart Mixture



Gelato Mixture



Great Lakes Mixture



The Flag Mixture



Beachcomber Mixture



South Beach Mixture



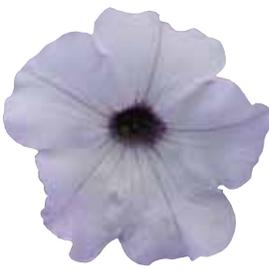
Opposites Attract Mixture



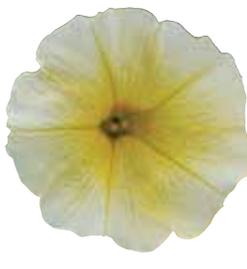
Plum Pudding Mixture



White



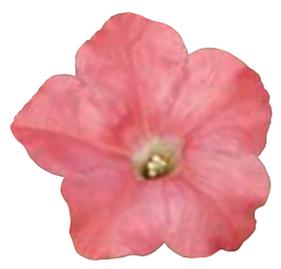
NEW Silver



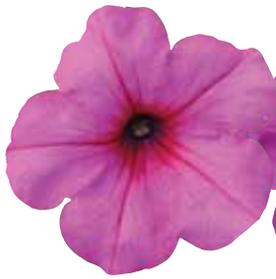
NEW Yellow



Pink



Coral Reef



NEW Pink Passion



Violet



Plum Vein



Neon Rose



Blue



Burgundy Star



Rosy Dawn



Berry Velour
US 7,642,436; EU PAF



Red



Burgundy Velour
US 7,642,436; EU PAF



Red Velour
US 7,642,436; EU PAF



Wave Purple

Makes a carpet of colour!

Wave has set the highest standard for petunia landscape performance. Today, this award-winning series boasts a distinguished All-America Classics variety, plus two All-America Selections Winners and two Fleuroselect Gold Medal Winners!

Wave® Series

Height: 5 to 7 in./13 to 18 cm

Spread: 3 to 4 ft./90 cm to 1.2 m

Flower size: 2 to 2.5 in./5 to 6 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: Spring 7 to 9 weeks, Summer 4 to 8 weeks

Supplied as pelleted seed.

- Spectacular, low-growing, spreading habit for landscapes, gardens, baskets and large colour bowls.
- Masses of flowers form along the entire length of each branch and bloom freely all season without being trimmed back.
- Wave petunias stand up well to both heat and cooler conditions.
- Recommended in Wave branded packaging: 6-in./15-cm pots, premium quarts, hanging baskets.

Blue timing is similar to Purple Classic.

Lavender timing is similar to Misty Lilac.

Misty Lilac flowers may show appealing white "splashes" when plants are grown in high light or growth regulators are applied. Grows taller than the other Wave colours.

Pink timing is similar to Purple Classic.

Purple begins to flower at 11 hours, and is 12 to 14 days earlier than Purple Classic.

Purple Classic blooms about 1 week later than Lavender, Misty Lilac and Rose.

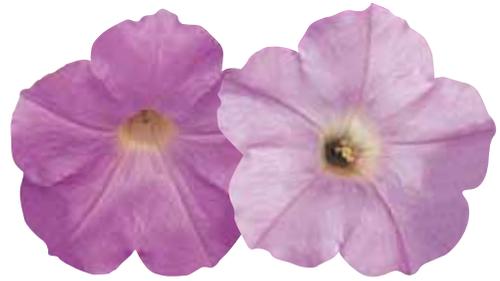


Wave® Smart Scheduling tool improves scheduling accuracy

This Excel-based tool was developed in collaboration with floriculture researchers at Michigan State University. It allows you to predict time to first open flower for 15 varieties from the Wave assortment at specific average daily temperatures (ADTs) and daily light integrals (DLIs).

This tool lets you schedule specific Wave varieties on precise dates and help select varieties flowering in a tight window under their environment.

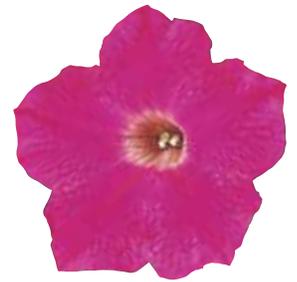
Go to panamseed.com/_WavePetunia.aspx



Misty Lilac



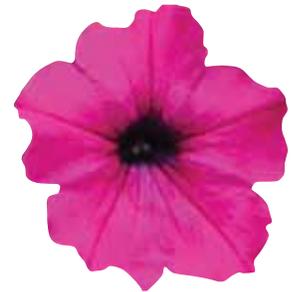
Pink



Rose



Purple Classic
All-America Selections Classic



Purple



Lavender
*All-America Selections National Winner,
Fleuroselect Gold Medal*



Blue
*All-America Selections National Winner,
Fleuroselect Gold Medal*

wave
PETUNIAS

Tidal Wave® Series

Height, spread and spacing:

Growth habit is based on how closely plants are placed - the closer the spacing, the taller the plants.

- Spaced a minimum of 12 in./30 cm apart, Tidal Wave petunias form a dense, mounded hedge, 16 to 22 in./40 to 55 cm tall.
- Grown in a restricted space with support, they grow an extra 2 to 3 ft./60 to 90 cm upward, like a vine.
- Spaced up to 24 in./60 cm apart in the garden, the plants make a floriferous groundcover, spreading up to 5 ft./1.5 m across per plant.

Flower size: 2 to 2.5 in./5 to 5.5 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: Spring 11 to 13 weeks, Summer 9 to 11 weeks

Supplied as pelleted seed.

- Extend your season with this strong finisher.
- Tidal Wave fills big spaces and climbs along and over walls and fences.
- Excellent landscape performer with terrific recovery from rain. The plants resist lodging, so they won't fall open and expose a bare centre like other petunias can.
- Well-suited for use as hedges, vines or floriferous groundcovers.
- Recommended in Wave branded packaging: 8-in./20-cm pots.

NEW

Tidal Wave Red Velour

All-America Selections National Winner, Fleuroselect Gold Medal US 7,642,436; EU PAF



Big, bold, 3D colour wins awards!

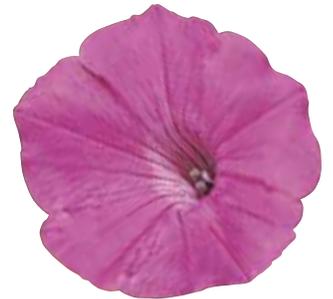
Velvety Red Velour is now available in a large-format plant - and what a magnificent performer it is! So good, in fact, that Tidal Wave Red Velour brought home two high-profile awards for its WOW colour and bigtime landscape shows.



Silver & Hot Pink



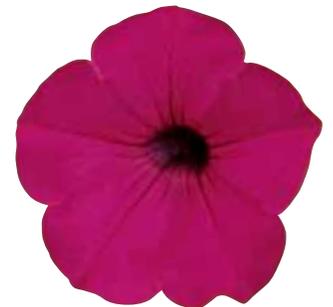
Silver All-America Selections National Winner,
Fleuroselect Quality Award



Hot Pink



Cherry



Purple



NEW Red Velour

All-America Selections National Winner,
Fleuroselect Gold Medal US 7,642,436; EU PAF

wave medleys

wave[®]
PETUNIAS



Fly Me To The Moon



Simply place 2 or 3
288-plugs in a single
dibble hole...



to root together and
grow into...



a high-appeal, well-
balanced blend.



Surfin' Safari: Shock Wave Coral
Crush & Denim

Easy, multi-colour magic in one pot!

Wave Medleys let you grow multi-colours in one pot *without a royalty* from the world's best-known petunia brand. You'll grow and sell designer pots and baskets that are perfect for your "Better" price point programs for Spring and Summer.

wave medleys



Dusk to Dawn: Easy Wave Plum Vein & Shock Wave Pink Vein



FLY ME TO THE MOON

Easy Wave Burgundy Velour, White & Neon Rose



AFTER DARK

Easy Wave Burgundy Velour & Neon Rose



SEEING STARS

Easy Wave Burgundy Star & Neon Rose



DUSK TO DAWN

Easy Wave Plum Vein & Shock Wave Pink Vein



O CANADA

Easy Wave Red & White



THE FLAG

Easy Wave Red, White & Blue



OPPOSITES ATTRACT

Easy Wave Violet & Coral Reef



EVENING IN RIO

Easy Wave Violet & Neon Rose



COCO COLADA

Shock Wave Coconut & Coral Crush



RED, WHITE & BLUES

Shock Wave Coconut, Denim & Red



TWINKLE TWINKLE

Shock Wave Coconut & Easy Wave Burgundy Star



SURFIN' SAFARI

Shock Wave Coral Crush & Denim



BEACH PARTY

Shock Wave Denim & Pink Shades



BLUE HAWAII

Easy Wave Rosy Dawn & Shock Wave Denim

NOTE: Individual varieties are sold separately.

All Wave Medleys are ideal for Wave branded 6 to 8-in./15 to 20-cm pots and 10-in./25-cm baskets.

made with wave®

wave®



- A** Easy Wave Berry Velour Petunia
- B** Serena® Lavender Angelonia
- C** Pony Tails Stipa

Kick your combo program up a notch

Shoppers know and trust the Wave brand, so it's a natural to rev up your "everyday" combos with Wave petunias. Because Wave varieties grow so well with so many sun-loving classes, your options are endless for growing and selling "Better" mixed planters and baskets all through your main season.



- A** Cool Wave Golden Yellow Pansy
- B** Akila® Purple Osteospermum
- C** Sirocco Anemanthele



- A** Cool Wave Violet Wing Pansy
- B** Sparkle White Gaura*
- C** Dash Violet Dianthus

Made With Wave® Fuseables® pack a double punch - beautiful balanced combos featuring the world's most-asked-for flower brand. Check out this patented seed technology on P. 48.

made with wave®



A Easy Wave Neon Rose Petunia **B** Glitz Euphorbia



A Easy Wave Blue Petunia **B** Bidens



A Easy Wave Red Velour Petunia **B** Sparkle White Gaura* **C** Glitz Euphorbia

* All-America Selections Winner



A Easy Wave Berry Velour Petunia **B** Vanilla Marigold
C Phoenix Green Carex

☀ Full Sun combos for 10 to 12-in. /25 to 30-cm planters and baskets
More Made With Wave ideas at panamseed.com

decorator petunias



**Sophistica
Lime Green**
US 7,642,436; EU PAF



**Sophistica
Twilight**
US 7,642,436; EU PAF



**Sophistica
Blackberry**
US 7,642,436; EU PAF

24-carat colours...from seed!

Designer varieties combine beautiful flowers with professional seed quality. These premium petunias can command a higher price point at retail and open the door to decorator opportunities.



Sophistica Lime Bicolor
US 7,642,436; EU PAF



Debonair Black Cherry
US 7,642,436; EU PAF



Sophistica Blue Morn



Debonair Dusty Rose
US 7,642,436; EU PAF



Sophistica Antique Shades
US 7,642,436; EU PAF



Debonair Lime Green
US 7,642,436; EU PAF

PETUNIA

Petunia x hybrida

F1 GRANDIFLORA SINGLE
PETUNIA

Sophistica® Collection

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 6 weeks
Transplant to finish: 5 to 7 weeks

Supplied as pelleted seed.

- Abundant grandiflora blooms.
- Plants are well-matched for timing for easier scheduling and shipping.
- Mounded, upright habit is ideal for premium pots, larger containers.

Blue Morn has a blue margin with silver-white throat; throat will be less noticeable in cooler/greenhouse production, and more noticeable outside and in warm, high-light conditions.

Lime Bicolor is consistent with traditional star patterns. In cool/low light conditions, blooms show more rose; in warm/high light conditions, blooms show more lime. **Twilight** blooms have smoky mauve top and green underside.

F1 MULTIFLORA SINGLE
PETUNIA

Debonair Collection

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 6 weeks
Transplant to finish: 5 to 7 weeks

Supplied as pelleted seed.

- Multiflora blooms are displayed on the well-branched, mounded and upright plants.

Dusty Rose becomes lighter in higher light/warmer conditions.



Daddy Mixture



Supercascade White



Supercascade Lilac



Peppermint Daddy



Pink Daddy



Supercascade Pink



Supercascade Rose



Orchid Daddy
All-America Selections National Winner



Red Daddy



Supercascade Red



Supercascade Burgundy



Sugar Daddy



Blue Daddy



Supercascade Blue



Supercascade Mixture

F1 GRANDIFLORA SINGLE PETUNIA

Daddy® Series

Height: 10 to 15 in./25 to 38 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 5 to 6 weeks

Supplied as raw and pelleted seed.

- The best-selling veined grandifloras and the only full series of veined varieties.
- Features 4-in./10-cm blooms and dependable, high-quality pack habit.

Supercascade Series

Height: 10 to 15 in./25 to 38 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 5 to 6 weeks

Supplied as raw and pelleted seed.

- Huge, 4 to 5-in./10 to 13-cm flowers deliver great retail and garden impact.

Also available: **Blush**



Dreams Series



Red Picotee



Rose Picotee



Burgundy Picotee

F₁ GRANDIFLORA SINGLE
PETUNIA continued

Dreams Series

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 5 to 6 weeks

Supplied as raw and pelleted seed.

- Well-branched habit and plant structure assure a high-quality look and excellent performance.
- Consistently high seed quality and good performance in the presence of *Botrytis*.

Pink Vein is not available in North America.

Patriot Mixture contains Red, White, Midnight.

Waterfall Mixture contains Sky Blue, Midnight, White.

Wild Rose Mixture contains Appleblossom, Neon Rose, Burgundy.

Timing is everything

Getting your crop sown, grown and off to market right on schedule is every grower's fondest wish. Dreams delivers a well-matched Spring bloom time window across all 17 colours. No need to pick and choose from several series...now that's a dream come true!



White



Appleblossom



Pink Vein



Salmon



Coral Morn



Rose Morn



Fuchsia



Pink



Neon Rose



Rose



Burgundy



Red



Sky Blue



Midnight



Waterfall Mixture



Wild Rose Mixture



Mixture



Patriot Mixture



Ez Rider White

Ez Rider Blue (left) versus standard petunia (right)

The best holdability

Grandiflora Ez Rider and multiflora partner Lo Rider put flexibility at your fingertips and cost savings in your pocket, thanks to their matched and manageable growth from bench to retail. These genetically shorter, more controlled plants need less PGRs and are perfect for high-density programs.



Ez Rider Mixture

F1 COMPACT GROWING PETUNIA

Ez Rider and Lo Rider solve the seasonal, geographic and control challenges of traditional petunias - they're perfect for growing and selling high-density cell packs to "promo" hanging baskets.

- Up to half the amount of PGRs are needed - or none under some growing regimes.
- Suitable for cold growing.
- Tight bloom window lets you ship and sell all series colours at the same time.
- Better branching with improved airflow reduces the probability of disease, especially *Botrytis*.
- Available in the top-selling colours that make up 75% of petunia sales.
- Enhanced, longer garden performance in containers and gardens - plants hold together and don't lodge later in the season like traditional petunias can.

Ez Rider® Grandiflora Series

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

Plug crop time: 5 to 6 weeks
Transplant to finish: 5 to 6 weeks

Supplied as pelleted seed.

Deep Pink has colour similar to Rose in low light; in higher light, colour is lighter than Rose.

Rose has colour similar to Deep Pink in low light; in higher light, colour is deeper than Deep Pink.

Chopper Mixture contains Blue, White, Deep Salmon, Rose.



Ez Rider White



Ez Rider Deep Pink



Ez Rider Deep Salmon



Ez Rider Rose



Ez Rider Red



Ez Rider Blue



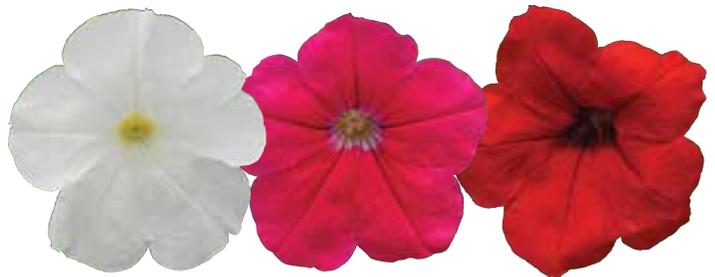
Ez Rider Chopper Mixture



Lo Rider Mixture



Lo Rider White (left) versus standard petunia (right)



Lo Rider White

Lo Rider Pink

Lo Rider Red



NEW Lo Rider Violet

Lo Rider Blue

Lo Rider® Multiflora Series

Height: 7 to 10 in./17 to 25 cm

Spread: 8 to 12 in./20 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 5 to 7 weeks

Supplied as pelleted seed.

Not available in North America.

New Violet has bright violet-purple flowers. Times like Blue in cold production conditions and like Pink in Spring natural daylength.

pretty grand



Pretty Grand Mixture



Pretty Grand Mixture



Pretty Grand White



Pretty Grand Coral



Pretty Grand Summer



Pretty Grand Rose



Pretty Grand Deep Pink



Pretty Grand Violet



Pretty Grand Purple



Pretty Grand Red



Pretty Grand Midnight

F1 COMPACT GROWING PETUNIA continued

The Pretty collection needs fewer to no PGRs and is suitable for cold growing. Naturally better branching with shorter internodes keeps plants manageable longer. Better branching and flowers above the foliage minimize *Botrytis* risk. Offers a tight bloom window and longer performance in beds and landscapes.

Pretty Grand Grandiflora Series

Height: 6 to 10 in./15 to 25 cm

Spread: 8 to 12 in./20 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 5 to 6 weeks

Supplied as pelleted seed.

Available in North America only.

New Violet has stronger flower integrity and deep green foliage. Times like Midnight.



NEW

Pretty Flora Mixture Improved



NEW

Pretty Flora White Improved



NEW

Pretty Flora Pink Pearl



Pretty Flora Flag Mixture



NEW

Pretty Flora Purple Improved



Pretty Flora Coral



Pretty Flora Pink



Pretty Flora Red



Pretty Flora Midnight

Pretty Flora Floribunda Series

Height: 7 to 10 in./17 to 25 cm

Spread: 8 to 12 in./20 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 5 to 6 weeks

Supplied as pelleted seed.

Available in North America only.

New Pink Pearl holds its soft, shimmery colour in high light/warm night conditions. Times like Red.

New Purple Improved has more vibrant colour, slightly larger flowers and is 4 days faster than original Purple.

New White Improved has larger, clean bright white flowers; more mounded/less upright ball shape; and averages 2 days faster to flower.

New Mixture Improved adds all 3 new colours and has a 7 to 9-day flowering window.

Fuseables®

See page 46 for Fuseables varieties containing standard and novelty Petunias.



Carpet Pink Morn



Rose Star



Blue Star

F₁ MULTIFLORA SINGLE PETUNIA

Carpet Series

Height: 10 to 12 in./25 to 30 cm

Spread: 10 to 15 in./25 to 38 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 4 to 5 weeks

Supplied as raw and pelleted seed.

- Free-flowering with excellent branching and mid-size blooms.

Neptune Mixture contains True Blue, Blue, Sky Blue, Lilac, Blue Lace, White.

Earns high marks in high heat

When Mother Nature turns it up to blazing, heat-tolerant Carpet petunias stand tough, delivering incredible garden performance in high-heat areas. Home gardeners and landscapers alike can definitely count on a lush carpet of colour all season long.

carpet



White



Buttercream



Salmon



Pink Morn



Pink



Rose



Plum



Velvet



Bright Red



Lilac



Sky Blue



Blue Lace



True Blue



Blue



Neptune Mixture



Mixture



Mirage Mixture

Luscious and long lasting

Mirage is the perfect center stage plant: big, beautiful blooms... "WOW" multiflora shows...impressive displays in mass plantings and gardens that shine all season until frost.



NEW

Pink Chiffon



Reflections Mixture

F₁ MULTIFLORA SINGLE
PETUNIA continued

Mirage Series

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

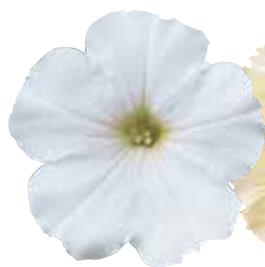
Plug crop time: 5 to 6 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw and pelleted seed.

Not available for sale in North America.

- Delivers outstanding performance at every stage - seed quality, seedling vigour and plant habit.
- Very broad colour range was selected for performance across a wide range of conditions.
- Perfect balance of show at point of sale without sacrificing garden performance.

New Pink Chiffon holds its colour quality in high light/warm night locations. Times like Mid-Blue. Tolerant of cold growing situations. **Reflections Mixture** contains veined colours.



White



Yellow



NEW Pink Chiffon



Salmon



Salmon Morn



Pink



Rose Morn



Chic



Spring



Sugar



Summer



Orchid



Carmine



Velvet



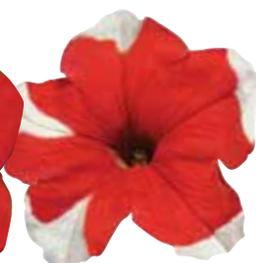
Rose



Red Morn



Red



Red Picotee



Lilac



Lavender



Plum Crystal



Lavender Glow



Purple



Burgundy Star



Blue Star



Light Blue



Mid-Blue



Blue



Madness Series

Crazy for colour!

Madness continues to delight pro landscapers and home gardeners across North America and keeps them coming back for more. They know they can count on fantastic flower power...a bounty of vibrant colours...and never-ending displays that last until the first frost hits.



Red

F₁ FLORIBUNDA PETUNIA

Madness® Series

Height: 10 to 15 in./25 to 38 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 5 to 6 weeks

Supplied as Ball Controlled Growth seed  and pelleted seed.

Available in North America only.

- Exceptional seed quality, plug performance and uniformity across all colours from sow to finish.
- Well-branched, floriferous plants are covered with an abundance of 3-in./7-cm blooms throughout the Summer, right up until frost.

Midnight 

Red 

White 

New Pink Chiffon holds its colour quality in high light/warm night locations. Times like Summer Madness. Tolerant of cold growing situations.

New Clear Madness Mixture Improved is upgraded with NEW Pink Chiffon. Contains all clear colours except Yellow and Pink.

Just Madness Mixture contains six veined colours.

Madness Merlot Mixture contains Carmine, Lavender, Pink, White.

Madness Old Glory Mixture contains Red, White, Midnight.

Madness Red Splash Mixture contains Red, White, Red Picotee.

Moonlight Madness Mixture contains Lavender Glow, Yellow, Lilac.

New Total Madness Mixture Improved is a bright mix of 14 colours, including NEW Pink Chiffon.

Waterfall Madness Mixture contains Lilac, Magenta, Royal, White.



NEW

Total Madness Mixture Improved



NEW

Clear Madness Mixture Improved



Madness Merlot Mixture



Madness Old Glory Mixture



Madness Red Splash Mixture



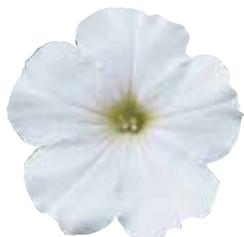
Just Madness Mixture



Moonlight Madness Mixture



Waterfall Madness Mixture



White



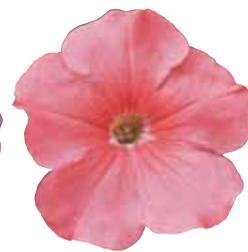
Yellow



NEW Pink Chiffon



Lilac



Simply



Spring



Sugar



Salmon Morn



Rose Morn



Sheer



Summer



Pink



Lavender Glow



Carmine



Magenta



Plum



Rose



Red Morn



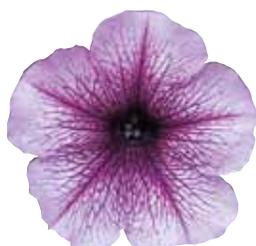
Red Picotee



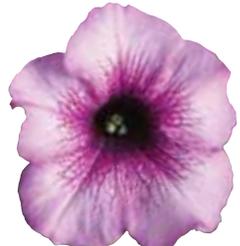
Red



Burgundy



Orchid



Plum Crazy



Burgundy Star



Royal



Midnight



Double Cascade Orchid Mist



Glorious Mixture



Double Cascade Pink



Double Cascade Burgundy



Double Cascade Mixture



Valentine



Double Cascade Blue

F₁ GRANDIFLORA DOUBLE
PETUNIA

Double Cascade Series

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw and pelleted seed.

- Huge, 4 to 5-in./10 to 13-cm, double flowers resemble carnations.
- Outstanding habit and good branching.
- Excellent program for late Spring sales.
- Well-suited to larger containers, mixed combination planters and beds.

Glorious Mixture

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw and pelleted seed.

- Bright mix of solids and bicolours.

Valentine

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw and pelleted seed.

- Soft red with serrated petals.



Pirouette Red



Duo Satin Pink



Duo Red



Pirouette Rose



Duo Pink



Pirouette Purple
All-America Selections National Winner



Duo Rose



Duo Burgundy



Duo Lavender

Pirouette Series

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw and pelleted seed.

- Eye-catching, very double flowers with serrated petals in distinctive bicolour picotee patterns.

F1 MULTIFLORA DOUBLE PETUNIA

Duo Series

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 5 to 6 weeks

Supplied as raw and pelleted seed.

Not available for sale in North America. Also known as Double Madness.

- Excellent seed quality, germination and young plant performance.
- Compact, floriferous series produces masses of double, 2 to 2.25-in./5 to 5.5-cm flowers on well-branched plants.
- Superb for use in large mixed containers, baskets and beds.



Duo Blue



Duo Rose And White



Duo Red And White



Duo Mixture



Double Madness Rose And White



Double Madness Satin Pink



Double Madness Pink



Double Madness Rose



Double Madness Burgundy



Double Madness Red And White



Double Madness Red



Double Madness Lavender



Double Madness Blue



Double Madness Mixture



Bonanza Mixture

F₁ FLORIBUNDA DOUBLE PETUNIA

Double Madness Series

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 5 to 6 weeks

Supplied as pelleted seed.

Available in North America only.

- Offering the same superior performance as the original Madness series, the compact and floriferous plants deliver masses of 2 to 2.25-in./5 to 5.5-cm flowers all Summer.
- Well-suited to large containers, mixed combinations and beds.

Bonanza Mixture

Height: 10 to 15 in./25 to 38 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 5 to 6 weeks

Supplied as raw and pelleted seed.

- Combines the beauty of double flowers and prolific flowering of multifloras.
- Formula blend has 2 to 2.5-in./5 to 6-cm blooms on mounded plants.
- A favourite among home gardeners.



White



Buttercream



Salmon



Pink



21st Century Scarlet Phlox with Cool Wave Golden Yellow Pansy & Dash White Dianthus



Rose Star



Blue Star



Scarlet



Crimson

PHLOX

Phlox drummondii

21st Century F1 Series

Height: 10 in./25 cm

Spread: 10 in./25 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 6 weeks

Supplied as primed seed.

- The world's first F1 phlox delivers outstanding showiness, hybrid germination and vigour.
- Daylength-neutral plants finish fast and uniformly across all colours.
- Vigorous lateral branching makes full, mounded plants, with strong flower power from Spring until frost.
- Outstanding bedding plant also works well in containers.

Blue Star and Rose Star have deeper colour intensity under cooler temperatures, lighter under warm.

Magenta Mixture contains rose-magenta shades with a touch of white.

Patriot Mixture contains Crimson, Blue, White.



Blue



Patriot Mixture



Magenta Mixture



Mixture



Ethnie Mixture



Ethnie Pastel Mixture
Fleuroselect Quality Mark



Ethnie Velvet Red
Fleuroselect Quality Mark



Promise White
Fleuroselect Quality Mark



Promise Rose
Fleuroselect Quality Mark



Ethnie White



Ethnie Light Blue



Promise Peach
Fleuroselect Quality Mark



Promise Lilac
Fleuroselect Novelty



Ethnie Salmon



Ethnie Purple Violet



Promise Pink
Fleuroselect Novelty



Promise Scarlet
Fleuroselect Novelty



Ethnie Scarlet



Ethnie Dark Rose



Promise Mixture

PHLOX continued

Ethnie Series

Height: 8 in./20 cm
Spread: 8 in./20 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- Genetically compact series is an excellent choice for pot and pack programs, delivering uniform habit and earliness.
- Crop time is just 10 to 12 weeks.
- No PGRs are needed in production.



Grammy Pink & White Phlox Fleuroselect Gold Medal

Promise Series

Height: 8 in./20 cm
Spread: 8 in./20 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 7 to 8 weeks

Supplied as raw seed.

- Very floriferous plants feature double and semi-double flowers held well above the foliage.
- Strong outdoor vigour assures long-lasting garden performance.
- Well-suited to large pack and pot production.

Grammy Pink & White F1

Height: 8 to 10 in./20 to 25 cm
Spread: 10 in./25 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 7 to 8 weeks

Supplied as primed seed.

- The most compact F1 phlox.
- Excellent uniformity makes it very manageable in packs and pots.
- Vigorous, free-flowering plants produce one-of-a-kind bicolor blooms all season in mixed containers, gardens and planters.



Silver Crest Plectranthus

PLECTRANTHUS 🌻
Plectranthus argentatus

Silver Crest

Height: 8 to 10 in./20 to 25 cm
Spread: 18 to 24 in./45 to 60 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 4 to 6 weeks

Supplied as raw seed.

- Compact accent plant is an easy and economical choice for mixed containers, baskets and landscapes.
- Tolerant of heat and water stress.
- Silvery green, fuzzy foliage and small, blush white flowers on well-branched, trailing plants.



Silver Shield Plectranthus

Silver Shield 🌻

Height: 24 to 30 in./60 to 75 cm
Spread: 24 to 30 in./60 to 75 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 8 to 9 weeks

Supplied as pelleted seed.

- Robust, vigorous and stress-tolerant accent plants have a bushy, upright habit, excellent in landscapes and combination containers.
- Economical, easy-to-produce seed-grown plants offer better branching than vegetative varieties, with no pinching needed.

POPPY (PAPAVER)

Champagne Bubbles Series, see page 198.

Moondance, see page 199.

PORPHYROCOMA

See **Brazilian Fireworks**, page 25.

happy hour



Happy Hour Tropical Mixture



Coconut



Lemon



Banana



Orange



Rosita



Peppermint



Fuchsia



Deep Red



Mixture



Pink Passion Mixture

F1 PORTULACA 🌞
Portulaca grandiflora

Happy Hour Series

Height: 8 to 10 in./20 to 25 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 5 weeks

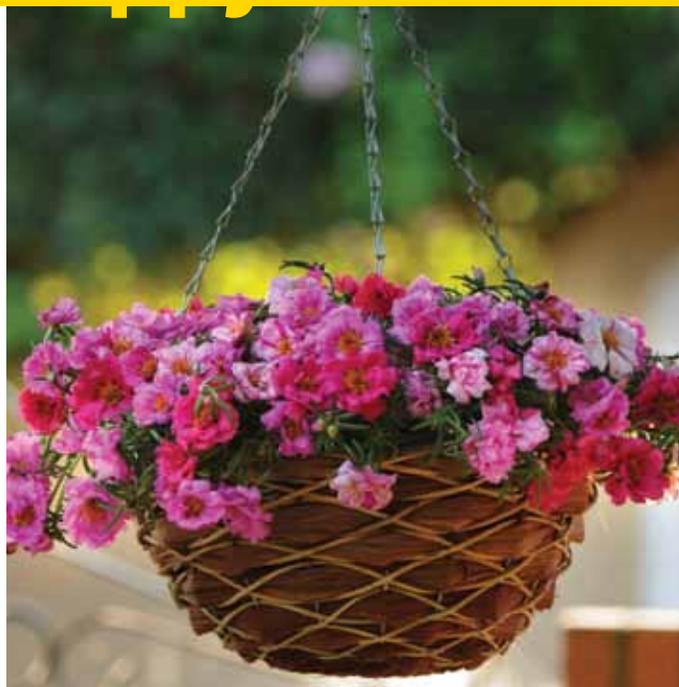
Supplied as raw seed and multi-seed pellets.

- Sow up to 2 weeks earlier than competing bush-type varieties, as Happy Hour is bred to bloom under shorter days than other portulacas - 10.5 hours.
- Tidy, mounded plants are easier to pack and ship, with less breakage than prostrate types.
- Well-branched plants flower uniformly across the series.
- Extra-appealing at retail, with fuller habit and large, double blooms in vivid colours.

Pink Passion Mixture contains Rosita, Peppermint, Fuchsia.

Tropical Mixture contains Deep Red, Orange, Banana.

happy trails



Happy Trails Pink Passion Mixture



White



Primrose



Yellow



Orange



Peppermint



Pink



Rosita



Fuchsia

F1 TRAILING PORTULACA 🌻

Portulaca grandiflora

Happy Trails Series

Height: 6 to 9 in./15 to 23 cm

Spread: 14 to 18 in./35 to 45 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 6 weeks

Supplied as raw seed and multi-seed pellets.

- Trailing portulaca series has the shortest photoperiod on the market today - 10 hours.
- Sow up to 2 weeks earlier than any other trailing portulaca to meet market demands.
- Most vivid colour assortment available, including intense Deep Red and unique Rosita.
- Delivers brilliant colours and fantastic spread in the garden.

Pink Passion Mixture contains Rosita, Peppermint, Fuchsia.

Tropical Mixture contains Deep Red, Orange, Yellow.



Deep Red



Tropical Mixture



Mixture



Primlet Mixture



Primlet White



Primlet Lemon Shades



Primlet Yellow



Primlet Golden Shades



Primlet Sunrise



Primlet Pink Shades



Primlet Rose with Edge



Primlet Rose



Primlet Scarlet Red Shades



Primlet Lavender Shades



Primlet Purple



Heritage Crème

PERENNIAL PRIMULA

Noverna Deep Blue,
see page 200.

PRIMULA 🌻
Primula acaulis

Heritage Crème F1

Height: 5 to 6 in./13 to 15 cm
Spread: 5 to 6 in./13 to 15 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 15 to 17 weeks

Supplied as raw seed.

- Unique breeding delivers a natural "English Primrose" look in a professional-quality product.
- Long-flowering, mid-size blooms and deep green foliage are produced on compact, mounded plants.
- Programmable crop can be grown pot-tight in 3.5-in./9-cm programs.

Primlet® Series

Height: 5 to 6 in./13 to 15 cm
Spread: 5 to 7 in./13 to 18 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 15 to 17 weeks

Supplied as raw seed.

- Clusters of scented blooms look like mini-rose bouquets.
- Works well in solo planters and small mixed combinations for late Winter and early Spring programs.
- Extended shelf life, long-lasting as an indoor house plant.
- Requires no special culture on the bench.

Purple is the most vigorous in the series.



Toucan Hot Mixture Purslane



Toucan Yellow Purslane



Toucan Fuchsia Purslane



Toucan Scarlet Shades Purslane



Southern Star White Ruellia



Southern Star Pink Ruellia



Southern Star Blue Ruellia



Sprite Orange Sanvitalia
Fleuroselect Quality Award



Sprite Yellow Sanvitalia



Sprite Vanilla Sanvitalia
Fleuroselect Novelty



Saga Blue Salvia

PURSLANE 🌻
Portulaca oleracea

Toucan Series

Height: 3 to 4 in./7 to 10 cm
Spread: 14 to 16 in./35 to 40 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- Economical, reliable and programmable seed-grown purslanes for mass-market baskets and containers.
- Requires little or no PGRs, no pinching.
- Colourful buds develop into 2-in./5-cm blooms.
- Heat-loving and drought-tolerant.
- NOTE: It is recommended to sow 4 seeds per cell.

ROSEMARY
See **Vegetables & Herbs**, page 247.

RUDEBECKIA
Goldsturm, see page 200.

Irish Eyes, see page 200.

Moreno, see page 200.

RUELLIA 🌻
Ruellia brittoniana

Southern Star Series

Height: 10 to 12 in./25 to 30 cm
Spread: 16 to 18 in./40 to 45 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: Spring 10 weeks, Summer 8 weeks

Supplied as raw seed.

- The first dwarf ruellia from seed is easy to program and produces clean green foliage.
- Low-maintenance, tolerates wet and dry conditions.
- Great for Southern perennial programs - hardy to Zone 8 (10°F/-12°C minimum temperature).
- Can be used as in-ground or container annual in other regions, but not recommended for the far North.

SAGE
See **Vegetables & Herbs**, page 247.

SANVITALIA 🌻
Sanvitalia procumbens

Sprite Series

Height: 4 in./10 cm
Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 4 weeks
Transplant to finish: 9 to 11 weeks

Supplied as raw seed.

- Trailing annual produces a profusion of tiny, semi-double, sunflowerlike flowers with green centres.
- Low-maintenance, long-flowering plants work well in beds and baskets.
- Can take the heat, making this an ideal Summer groundcover.

SAXIFRAGA
Purple Robe, see page 202.
Rocco Red, see page 202.

SCABIOSA
Blue Note, see page 202.

Pink Diamonds, see page 202.

PERENNIAL SALVIA

Purple Volcano, see page 202.

New Dimension Series, see page 201.

Patio Series, see page 202.

Hot Trumpets, see page 202.

SALVIA 🌻
Salvia farinacea

Saga Blue

Height: 10 in./25 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 4 weeks
Transplant to finish: 8 to 10 weeks

Supplied as raw seed.

- Attractive bedding plant produces intense deep blue flower spikes on compact plants with a very well-branched habit and excellent garden vigour.
- Late Spring and Summer-flowering with good heat tolerance.



Vista White Salvia



Vista Red And White Salvia



Vista Salmon Salvia



Vista Rose Salvia



Vista Red Salvia



Vista Lavender Salvia



Vista Purple Salvia



Vista Mixture Salvia



Flare Salvia



Lighthouse Red Salvia



Lighthouse Purple Salvia
Fluoroselect Novelty



Scarlet Queen Salvia



Red Hot Sally II Salvia



Veranda Scutellaria

SALVIA 🌻
Salvia splendens

Flare

Height: 14 in./38 cm
Spread: 8 in./20 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw seed.

- Sets the standard for taller salvia, producing a profusion of bright red spikes that contrast well with dark green foliage.

Lighthouse Series

Height: 24 in./60 cm
Spread: 10 in./25 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw seed.

- Tall, bushy plants display long-lasting colour.
- Heat-resistant and ideal for low-maintenance landscaping use.
- Also good in large patio containers.

Red Hot Sally II

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

Plug crop time: 4 to 5 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw seed.

Available in North America only.

- Stands out all season in landscapes, gardens, planters and mixed containers.
- Flower spikes are short and full for a dramatic show of colour.
- High seed quality, superior uniformity and excellent heat tolerance.

Scarlet King (Not pictured)

Height: 11 in./28 cm
Spread: 8 in./20 cm

Plug crop time: 4 to 6 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw seed.

- Excellent bright colour at finish.

Scarlet Queen

Height: 9 in./23 cm
Spread: 8 in./20 cm

Plug crop time: 4 to 6 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw seed.

- Good earliness, flowering 5 days earlier than Scarlet King.

Vista Series

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

Plug crop time: 4 to 5 weeks
Transplant to finish: 4 to 5 weeks

Supplied as raw seed.

- Dense spikes and dark green foliage hold their colour all season.
- Well-matched in heat tolerance, habit and earliness.
- With a 5 to 7-day flowering window across the series in the greenhouse, Vista can finish 2 to 5 days after other commercial series depending on light conditions, but has better outdoor performance.

SCUTELLARIA 🌻
Scutellaria javanica

Veranda

Height: 10 in./25 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 6 weeks
Transplant to finish: 7 to 10 weeks

Supplied as raw seed.

- Heat-tolerant plants feature bicolor blue-purple blooms over glossy, dark green foliage.
- Similar to ornamental pepper culture and crop timing, Veranda is best grown warm and bright in production, but prefers shady locations in the garden.

SILENE

Starry Dreams, see page 203.

SIMPLYHERBS
See **Vegetables & Herbs**, page 246.

SIMPLYSALAD®
See **Vegetables & Herbs**, page 244.



White



Yellow



Red



Red Bicolour



Rose



Plumblossom



Pink



Orange



Sunset



Purple



Burgundy



Snapshot Mixture

CUT FLOWER SNAPDRAGON

Apollo Series see page 232.

Axiom Series, see page 231.

Cool Series, see page 231.

Early Potomac Series, see page 227.

Maryland Series, see page 229.

Monaco Series, see page 230.

Paxia Series, see page 231.

Potomac® Series, see page 228.

Purple Twist, see page 232.

Red Delilah, see page 232.

Trumpet Series, see page 232.

F1 SNAPDRAGON 🌻

Antirrhinum majus

F1 DWARF GARDEN
SNAPDRAGON

Snapshot Series ⚡

Height: 6 to 10 in./15 to 25 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 6 weeks

Supplied as raw seed.

- Delivers a perfect balance of pack performance and landscape success.

- Bushy, compact plants are topped by closely spaced, full flower spikes.

- Uniform flowering, with a 7 to 10-day window for Spring and Autumn sales in packs and small pots.

Sunset retains its bright yellow colour in cool environments better than competing varieties.

Merlot Mixture contains White, Plumblossom, Burgundy.



Merlot Mixture



Rocket Rose Shades
All-America Selections National Winner



Rocket White
All-America Selections National Winner



Rocket Mixture



Rocket Red
All-America Selections National Winner



Rocket Lemon



Rocket Cherry



Rocket Pink



Rocket Golden
All-America Selections National Winner



Rocket Orchid
All-America Selections National Winner



Rocket Bronze
All-America Selections National Winner



Solstice Mixture



Solstice White



Solstice Yellow



Solstice Burgundy



Solstice Red



Solstice Orange Tricolour



Solstice Pink



Solstice Rose



Solstice Lavender



Solstice Purple

F1 GARDEN/CUT FLOWER
SNAPDRAGON

Rocket Series

Height: 30 to 36 in./75 to 90 cm
Spread: 16 to 18 in./40 to 45 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 13 to 16 weeks
as a cut or garden flower

Supplied as raw seed.

- Vigorous, heat-tolerant plants reach a uniform height and are topped by excellent-quality, closely set blooms.
- Flowers well under long days.
- Useful as both a landscape series and as a garden cut flower.
- Suitable for commercial greenhouse or field-grown cut flower production.
- Group 3-4 flowering snapdragon.

F1 GARDEN SNAPDRAGON

Solstice Series

Height: 16 to 20 in./40 to 50 cm
Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 5 to 6 weeks
Transplant to finish in gallon containers:

Northern Hemisphere: October to early January sowing, 10 to 11 weeks; September and mid-January sowing, 5 to 7 weeks
Southern Hemisphere: April to early July sowing, 10 to 11 weeks; March and mid-July sowing, 5 to 7 weeks

Supplied as raw seed.

- Flowers earlier under shorter days than other intermediate varieties, making it ideal for Winter bedding where climate permits.
- "Knee-high" height - great for landscapes and garden cut flowers.
- Performs best with high light and cool nights (45 to 55°F/7 to 13°C).
- Group 1 Winter-flowering snapdragon.

Red has a yellow bee.

White flowers have a yellow bee; slight pink blush most noticeable in buds.

Yellow may have pink buds and blush pink in lower light.



Hot Cakes White Stock



Hot Cakes Pink Stock



Hot Cakes Mixture Stock



Vintage Burgundy Stock



Hot Cakes Hot Rose Stock



Hot Cakes Purple Stock



Vintage White Stock



Vintage Yellow Stock



Vintage Peach Stock



Vintage Copper Stock



Peek-A-Boo Spilanthes



Vintage Lilac Stock



Vintage Lavender Stock



Vintage Rose Stock



Vintage Red Stock

SPILANTHES ☀️
Acmella oleracea

Peek-A-Boo

Height: 12 to 15 in./30 to 38 cm
Spread: 24 to 30 in./60 to 75 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 7 to 8 weeks

Supplied as coated seed.

- Unique accent plants show off intriguing, olive-shaped, 1-in./2.5-cm, golden yellow flowers with deep burgundy-red eyes on the long, pendulous stems.
- Foliage takes on a bronze-green tone in full sun.

SQUASH
See *Vegetables & Herbs*, page 245.

STACHYS

Stachys byzantina, see page 203.

STATICE

See *Limonium*, page 217.

STIPA

See *ColorGrass*, page 55.

CUT FLOWER STOCK (MATTHIOLA)

Aida Series, see page 224.

Carmen Yellow, see page 224.

Column Stock, see page 222.

Figaro Series, see page 224.

Katz Series, see page 223.

Lucinda Series, see page 225.

Opera Series, see page 225.

STOCK (MATTHIOLA) ☀️
Matthiola incana

SELECTABLE BEDDING STOCK

Hot Cakes Series ⚡️

Height: 10 to 16 in./25 to 40 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 weeks
Transplant to finish: 4 to 7 weeks

Supplied as raw seed.

- Easy-to-select, fully double plugs produce more attractive plants than comparable grey-leaf, non-selectable types that can show up to 50% singles.
- Very well-branched, dwarf plants with fragrant, bright blooms deliver outstanding performance in landscapes and garden beds.

BEDDING STOCK

Vintage Series ⚡️

Height: 15 to 20 in./38 to 50 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 weeks
Transplant to finish: 7 to 8 weeks

Supplied as raw seed.

- Dwarf series blooms up to 1 week faster, with better branching than comparable varieties.
- Non-selectable Vintage produces over 55% double flowers.
- Sturdy, well-branched plants are excellent outdoor performers.
- Prefers cool growing conditions; no vernalization needed.

Also available:

Antique Mixture contains Copper, Peach, Yellow.

Mixture

STRAWBERRY
See *Vegetables & Herbs*, page 245.



Limón Talinum



Ballad Sunflower



Verde Talinum



Choco Sun Sunflower



Miss Sunshine Sunflower

CUT FLOWER SUNFLOWER

Jua Series, see page 233.

Prado Series, see page 233.

SUNFLOWER 🌻

Helianthus annuus

Ballad F₁

Height: 24 to 30 in./60 to 75 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 2 to 3 weeks

Transplant to finish: 8 to 9 weeks

Supplied as treated seed.

- Excellent florist gift item or indoor plant; also well-suited to warm landscape markets like Florida.
- Pollen-free, dwarf sunflower produces well-formed, 4 to 5-in./10 to 13-cm flowers.
- Flower at shorter height under short days; under long Summer days, plants are taller without growth regulators.

Choco Sun

Height: 10 to 12 in./25 to 30 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 2 to 3 weeks

Transplant to finish: 8 to 9 weeks

Supplied as treated seed.

- Very compact, well-branched plants set a large bloom on the central stalk, with several smaller flowers on side shoots.
- Excellent uniformity and earliness allow for easy scheduling and deliver a high yield of salable plants.
- Ideal for containers, window boxes and gardens.

Miss Sunshine F₁

Height: 10 to 16 in./25 to 40 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 2 to 3 weeks

Transplant to finish: 7 to 8 weeks

Supplied as treated seed.

- Dwarf sunflower is easy and economical to produce, needing fewer PGRs and flowering at a shorter height under short days.
- Pollen-free plants have 3 to 4-in./7 to 10-cm blooms with a fast flush of secondary flowers.
- Perfect for mixed and mono planters.

SUTERA

See **Bacopa**, page 24.

SWEET WILLIAM

See **Dianthus**, page 39.

TAGETES

See **Marigold**, page 72.

TALINUM

Talinum paniculatum

Limón 🌻

Height: 28 to 32 in./70 to 80 cm

Spread: 16 to 18 in./40 to 45 cm

Plug crop time: 5 weeks

Transplant to finish: Foliage 4 to 5 weeks (add 2 weeks to flower)

Supplied as raw seed.

- Mounded, bright lime-green foliage with airy inflorescences covered in tiny rose-pink flowers.
- Handles stress well, including heat and drought.
- When exposed to stressful conditions, the foliage shows off an even more vibrant chartreuse colour.
- Ideal for containers, hanging baskets and in-ground plantings.
- Also works well as a fresh or dried cut flower.

Verde 🌻🍷

Height: 32 in./80 cm

Spread: 24 in./60 cm

Plug crop time: 5 weeks

Transplant to finish: Foliage 4 to 5 weeks (add 2 weeks to flower)

Supplied as raw seed.

- Dark green-leafed companion to Limón has small flowers that open hot pink and then form orange berries that ripen to dark red.
- Flexible flower spikes make it easy to grow and ship.
- Durable accent plant handles heat and stress well, including both low water and soggy conditions.
- Excellent for mixed containers; also a long-lasting landscape option.

TANACETUM

See **Matricaria**, page 225.



Kauai White Torenia



Kauai Lemon Drop Torenia



Kauai Rose Torenia



Kauai Burgundy Torenia



Kauai Magenta Torenia



Kauai Blue & White Torenia



Kauai Deep Blue Torenia



Kauai Mixture Torenia

THUNBERGIA 
Thunbergia alata

Susie Series

Vine length: 6 to 8 ft./1.8 to 2 m

Plug crop time: 4 to 5 weeks

Transplant to finish: 4 to 5 weeks

Supplied as raw seed.

- Distinctive flowering vine offers three clear and three black-eyed choices plus a formula mix.
- Can "pop" into flower in as little as 6 weeks.
- Excellent in hanging baskets or window boxes.
- Good for colour packet and mail order markets.

Also available: **Clear White**

THYME

See **Vegetables & Herbs**, page 247.

THYMOPHYLLA 

Thymophylla tenuiloba

Golden Dawn

Height: 6 in./15 cm

Spread: 12 in./30 cm

Plug crop time: 5 weeks

Transplant to finish: 9 to 12 weeks

Supplied as raw seed.

- Long-flowering, spreading plant is covered with daisylike, golden yellow flowers on fine, ferny foliage.
- Heat and humidity-lover is an excellent performer in hanging baskets, patio planters and gardens.

TOMATO

See **Vegetables & Herbs**, page 238.

TORENIA 

Torenia fournieri

Kauai Series

Height: 8 in./20 cm

Spread: 8 in./20 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 5 to 7 weeks

Supplied as pelleted seed.

- Compact series offers the fullest complement of the most vivid colours.
- Easy to schedule with a tighter, 7 to 9-day flowering window.
- Crop management is easier and more cost-effective with this compact torenia.
- Superior performance in extreme heat and humidity
- Brings an exotic look to small garden settings, mixed combos and colour bowls; also suited to indoor containers.
- Includes unique colours Lemon Drop and Magenta.

TRACHELIUM

Lake Collection, see page 234.

VERBASCUM

Southern Charm,

see page 203.



Susie White With Eye Thunbergia



Susie Clear Yellow Thunbergia



Susie Yellow With Eye Thunbergia



Susie Clear Orange Thunbergia



Susie Orange With Eye Thunbergia



Susie Mixture Thunbergia



Golden Dawn Thymophylla



Quartz XP Series

XP: Much more than improved

Count on XP varieties for precise, programmable, predictable growing. All XP varieties deliver a tight bloom window, prolific flowering, exceptionally uniform habit and strong plant vigour.



XP Pink

PERENNIAL VERBENA

Buenos Aires, see page 203.

New Santos, see page 203.

VERBENA

Verbena x hybrida

Quartz XP Series

Height: 8 to 10 in./20 to 25 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 4 weeks

Transplant to finish: Spring 6 to 8 weeks, Summer 5 to 7 weeks

Supplied as raw and primed seed; Burgundy and Carmine Rose are supplied as primed seed only.

- Quartz XP is more uniform and earlier to flower than competing varieties.
- Delivers a tight, 7-day flowering window; earlier and significantly better branching; and reduced internode length.
- Strong seed quality, high germination and great young plant vigour assure superior performance in packs and 4-in./10-cm pots.
- Slightly spreading, mounded plants make brilliant beds and trail over the edges of mixed containers.

Purple has the largest florets of the series and slightly more vigour than others in the series.

New Violet With Eye offers another "eyed" option. Violet-blue flowers are similar to Burgundy With Eye, but more blue-toned.

Merlot Mixture delivers strong burgundy, red and purple shades.

Waterfall Mixture is a segregating mix of white, blue, violet-blue and purple.

Quartz Blue

Height: 10 to 12 in./25 to 30 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 5 weeks

Transplant to finish: Spring 7 to 9 weeks, Summer 6 to 7 weeks

Supplied as raw and primed seed.

VERONICA

Blue Bouquet, see page 203.

quartz xp



XP Mixture



XP Merlot Mixture



XP White



XP Silver



XP Pink



XP Carmine Rose



XP Burgundy



XP Red With Eye



XP Scarlet



XP Burgundy With Eye



NEW

XP Violet With Eye



XP Purple *Fleuroselect Novelty*



XP Waterfall Mixture



Quartz Blue



Terry Howe

Terry Howe
Global Product Manager

USE THE POWER OF FRESH ALTERNATIVES

Losing plants to aerial *Phytophthora* is devastating. Our breeder developed Valiant vinca to provide superior field performance in hot/humid/rainy conditions where aerial *Phytophthora* pressure is prevalent. It's even robust enough to establish well in Summer when it's cool and wet. *When your plants survive, your business thrives!*

VINCA ☀️
Catharanthus roseus

F₁ AERIAL PHYTOPHTHORA-RESISTANT UPRIGHT VINCA

New Valiant Series

Height: 14 to 20 in./35 to 50 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 weeks
Transplant to finish: 3 to 4 weeks

Supplied as raw seed.

- Valiant makes well-branched, market-ready plants with large flowers that show off high-impact colour at point of sale and in the landscape.
- Superior vigour allows Valiant vinca landscapes to better survive environmental stresses such as sun, heat, drought, salt and cool/damp conditions.
- Low maintenance with good landscape longevity.
- Available in the key colours.

Orchid is slightly less vigorous than others in the series.

Mixture includes Apricot, Burgundy, Lilac, Punch, Pure White.

NEW Valiant Apricot with **NEW** Jolt Cherry Dianthus

Vigorous hybrid vinca survives in the landscape

Landscapers and growers...if aerial *Phytophthora* is a concern, you have a strong new option. The Valiant series comes with disease resistance (IR*) to aerial *Phytophthora* AND it's more vigorous than the competition under field conditions. That adds up to "Win-Win" for your landscape programs.





NEW

Punch US PAF



NEW

Mixture



NEW

Pure White US PAF



NEW

Apricot US PAF



NEW

Orchid US PAF



NEW

Lilac US PAF



NEW

Punch US PAF



NEW

Burgundy US PAF

***Intermediate Resistance (IR):** Plant varieties that restrict the growth and development of the specified pest but may exhibit a greater range of symptoms damage compared to high resistant varieties. Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest pressure. *Adopted by the ISF Vegetable and Ornamental Crops Section in June 2012.*



Titan Romance Mixture



Titan (left) surpasses even Pacifica XP in bloom size.



Romance Mixture



Clear Mixture



Bubble Gum Mixture



Summer Breeze Mixture



Mixture



Red And White Mixture



Cotton Candy Mixture

F₁ UPRIGHT VINCA

Titan® Series 

Height: 14 to 16 in./35 to 40 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 weeks

Transplant to finish: 3 to 4 weeks

Supplied as raw seed.

- Flowers up to 2 weeks faster than O.P. vincas, with up to 50% larger blooms in cooler temperatures.
- The most uniform F₁ vinca series on the market, with all the top-selling colours.
- Robust plants have superior branching.
- More stress-tolerant due to hybrid vigour - tolerates heat and drought and can withstand cooler and wetter conditions compared to O.P. types.
- Perfect for landscapes and containers of all types.
- Well-suited to packs, 4-in./10-cm and 6-in./15-cm pots.

Bubble Gum Mixture contains Blush, Icy Pink, Rose.

Clear Mixture contains Punch, Dark Red, Lilac, Burgundy, Pure White.

Cotton Candy Mixture contains Icy Pink, Lavender Blue.

Red And White Mixture contains Dark Red, Pure White.

Romance Mixture contains Rose Halo, Icy Pink, Pure White.

Summer Breeze Mixture contains Lilac, Lavender Blue Halo, Pure White.



Pure White



Blush



Polka Dot



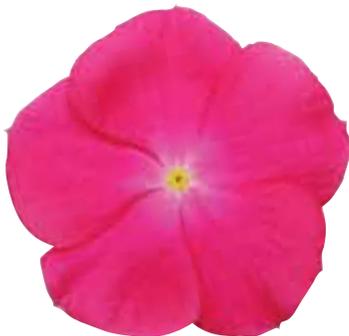
Apricot



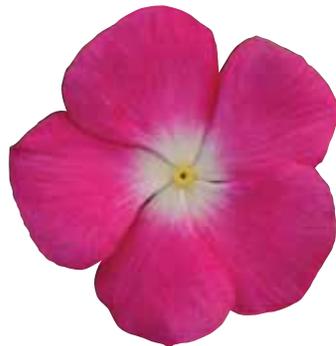
Icy Pink



Punch



Rose



Rose Halo



Dark Red



Burgundy



Lavender Blue Halo



Lilac



Jams 'N Jellies American Pie Mixture



Jams 'N Jellies Blueberry



Jams 'N Jellies Blackberry

All-America Selection National Winner
US PVP 201100526

Jams 'N Jellies Series

Height: 14 to 16 in./35 to 40 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 weeks

Transplant to finish: 5 to 6 weeks

Supplied as raw seed.

- Makes high-impact, all-season shows in Summer gardens and large planters.
- Bold colours show well at retail – ideal for patriotic red, white and blue combos.
- Drought and heat-tolerant for Summer-long performance.

Blueberry is truer blue with dark eye and less fade than Victory Blue Improved.

American Pie Mixture contains Blackberry, red with white eye and pure white.

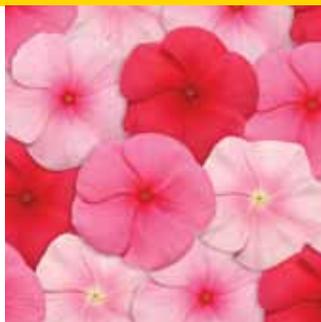
pacifica xp



XP: Much more than improved

Count on XP varieties for precise, programmable, predictable growing. All XP varieties deliver a tight bloom window, prolific flowering, exceptionally uniform habit and strong plant vigour.

Pacifica XP Series



XP Lipstick Mixture



XP Merlot Mixture



XP Halo Mixture



XP Mixture



XP Mystic Mixture



XP Bold Mixture

F₁ UPRIGHT VINCA continued

Pacifica XP Series

Height: 10 to 14 in./25 to 35 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 5 weeks

Transplant to finish: 5 to 6 weeks

Supplied as raw seed.

- Tight, 5 to 7-day flowering window and uniform, upright habit across all colours.
- Outstanding in hot, dry and sunny conditions and tolerant of cool, wet growing conditions.
- Very floriferous and well-branched plants show off bright flowers with an overlapping, fully rounded form that won't show gaps in hot temperatures.

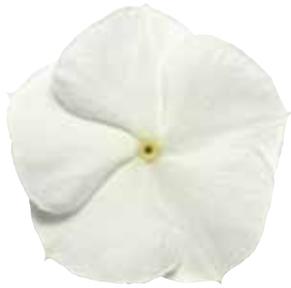
Bold Mixture contains Cranberry, Really Red, Deep Orchid, Orange.

Halo Mixture contains White, Cherry Red Halo, Magenta Halo, Rose Halo, Burgundy Halo.

Lipstick Mixture contains Punch, Dark Red, Blush, Icy Pink.

Merlot Mixture contains Burgundy, Polka Dot, Deep Orchid, Burgundy Halo.

Mystic Mixture contains Burgundy, White, Lilac.



XP White



XP Polka Dot



XP Apricot
US PVP 9800181



XP Icy Pink



XP Blush



XP Punch
US PVP 9400248



XP Rose Halo
US PVP 200500218



XP Magenta Halo
US PVP 200500216



XP Cherry Red Halo



XP Raspberry



XP Burgundy Halo All-America Selections
National Winner, Fleuroselect Quality Award
US PVP 200700272



XP Burgundy



XP Lilac



XP Deep Orchid



XP Orange



XP Dark Red
US PVP 200600189



XP Really Red
US PVP 200600190



XP Cranberry

Mediterranean XP



XP: Much more than improved
Count on XP varieties for precise, programmable, predictable growing. All XP varieties deliver a tight bloom window, prolific flowering, exceptionally uniform habit and strong plant vigour.

Mediterranean XP Red



XP Mixture



XP Lipstick Mixture

TRAILING VINCA

Mediterranean XP Series

Height: 4 to 6 in./10 to 15 cm

Spread: 20 to 30 in./50 to 75 cm

Plug crop time: 5 weeks

Transplant to finish (basket): Spring 12 to 14 weeks, Summer 8 to 10 weeks

Supplied as raw seed.

- The only full series of trailing vinca offering a true red.
- Mediterranean XP varieties fill in fast with terrific coverage.
- XP genetics deliver a tight, 5 to 7-day flowering window, luxurious spreading habit, larger flowers and reliable germination.
- Low water needs.

Dark Red is the same deep red as Pacifica XP Dark Red. Slightly more mounded habit than others in the series.

Red is the same true red as Pacifica XP Really Red. Slightly more mounded habit than others in the series.

Lipstick Mixture contains Strawberry, Dark Red, Rose, White.

mediterranean



XP White US PVP 200900053



XP Peach US PVP 2009000840



XP Strawberry US PVP 200900083



XP Rose US PVP 200900082



Mediterranean Lilac US PVP 9800182



XP Hot Rose US PVP 200900084



XP Rose Halo



Polka Dot



Deep Orchid



XP Red US PVP 200900081



XP Dark Red US PVP 200900043



Lilac US PVP 9800182



Deep Rose

Mediterranean Series

Height: 4 to 6 in./10 to 15 cm
Spread: 20 to 30 in./50 to 75 cm

Plug crop time: 5 weeks
Transplant to finish (basket):
Spring 12 to 14 weeks, Summer
8 to 10 weeks

Supplied as raw seed.

sorbet® xp



Sorbet XP Primrose Blotch

XP: Much more than improved

Count on XP varieties for precise, programmable, predictable growing. All XP varieties deliver a tight bloom window, prolific flowering, exceptionally uniform habit and strong plant vigour.

Send the best-looking violas to retail

Sorbet XP genetics deliver a uniform plant habit and the tightest bloom window, so you grow and ship the highest-quality violas. Plants cover the soil at flowering, with more blooms on every plant and less stretching. Grower to retailer to landscaper to garden...everyone's satisfied with Sorbet XP!

F1 VIOLA 🌻🌻

Viola cornuta

Fuseables®

See page 46 for Fuseables varieties containing Sorbet Violas.

Sorbet® XP Series 🚩

Height: 6 to 8 in./15 to 20 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 weeks

Transplant to finish: 3 to 5 weeks

Supplied as raw and primed seed.

- Sorbet XP needs fewer PGRs, with superior holdability and less shrink.
- F1 vigour assures greater germination, earliness, and excellent plug and garden performance.
- Early-blooming plants remain compact in both heat and cold – standout performers in Spring and Autumn.
- Free-flowering plants perform across a wide range of climatic conditions and have excellent overwintering.
- Includes a wide range of clear colours, which lets landscapers make custom mixes.

New Coconut Swirl has a dark, consistent picotee pattern.

Morpho bicolor pattern changes with environment; more blue under cool Spring conditions.

New Orange Jump Up cap does not fade or disappear as Sorbet standard variety did.

New Purple Improved has earlier timing, less stretch and darker purple colour than original XP Purple.

New YTT shows nice colour contrast, opening white and changing to azure blue.

Beaconberry Mixture contains Beaconsfield, Orchid Rose Beacon, Violet Beacon.

Blackberry Sundae Mixture contains White Jump Up, White, NEW Purple Improved, Purple Face.

Blueberry Frost Mixture contains White, Violet Beacon, Marina.

Citrus Mixture contains Orange, Yellow, White.

Harvest Mixture contains Orange, Purple, Yellow.

New Jump Up Mixture contains Denim Jump Up, Lemon Jump Up, Orange Jump Up, White Jump Up, Yellow Jump Up.

Lemon Parfait Mixture contains Lemon Royale, White, Yellow.

Orchidberry Frost Mixture contains Lavender Vein, Orchid Rose Beacon, White.

Select Mixture is a mix of bolder Sorbet XP colours.



XP White



XP Yellow



XP Orange



NEW XP Lavender Pink



XP Beaconsfield



NEW XP Purple Improved



XP Blackberry



XP White Blotch



XP Lemon Ice Blotch



XP Pink Halo



XP Primrose Blotch



XP Yellow Blotch



NEW XP Orange Jump Up



XP White Jump Up



XP Lemon Jump Up



XP Yellow Jump Up



NEW XP Coconut Swirl



NEW XP YTT



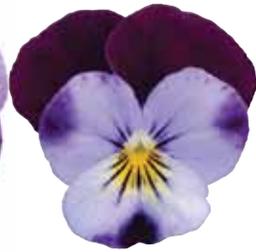
XP Marina



XP Delft Blue
Fleuroselect Gold Medal



XP Violet Beacon



XP Denim Jump Up



XP Yellow Frost
RHS Award of Garden Merit



XP Morpho
Autumn/warm temperature
bloom colour



XP Morpho
Spring/cool temperature
bloom colour



XP Raspberry



XP Purple Face



XP Blue Blotch



Sorbet XP Yellow Jump Up, XP White, XP Delft Blue



XP Citrus Mixture



XP Select Mixture



XP Harvest Mixture



XP Mixture



XP Orchidberry Frost Mixture



XP Beaconberry Mixture



XP Lemon Parfait Mixture



XP Jump Up Mixture



XP Blueberry Frost Mixture



XP Blackberry Sundae Mixture



Lemon Chiffon



Lilac Ice



Icy Blue



Blue Heaven



Orchid Rose Beacon



Lavender Bright Eye



Carmine Rose



Pink Wing



Lemon Blueberry Swirl



Peach Melba



Fire



Red Blotch



Antique Shades



Ruby & Gold Babyface



Midnight Glow



Black Jump Up



Phantom



Black Delight



Sorbet Ocean Breeze Mixture

F1 VIOLA continued

Sorbet® Series

Height: 6 to 8 in./15 to 20 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 weeks

Transplant to finish: 3 to 5 weeks

Supplied as raw and primed seed. Pink Wing is supplied as primed seed only.

Fire colour pattern varies by environment.

Lavender Bright Eye was formerly Skippy Lavender Bright Eye.

Orchid Rose Beacon was formerly XP Orchid Rose Beacon.

Phantom colour is darker in cool temperatures of Spring, lighter in warmer temperatures of Autumn.

Ocean Breeze Mixture contains XP Blue Blotch, Coconut Swirl, XP White Blotch, XP Marina.

Also available: Babyface Mixture - contains 8 blotched, Babyface and novelty colours.



Pierrot

Pierrot

Height: 6 to 8 in./15 to 20 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 weeks

Transplant to finish: 4 to 6 weeks

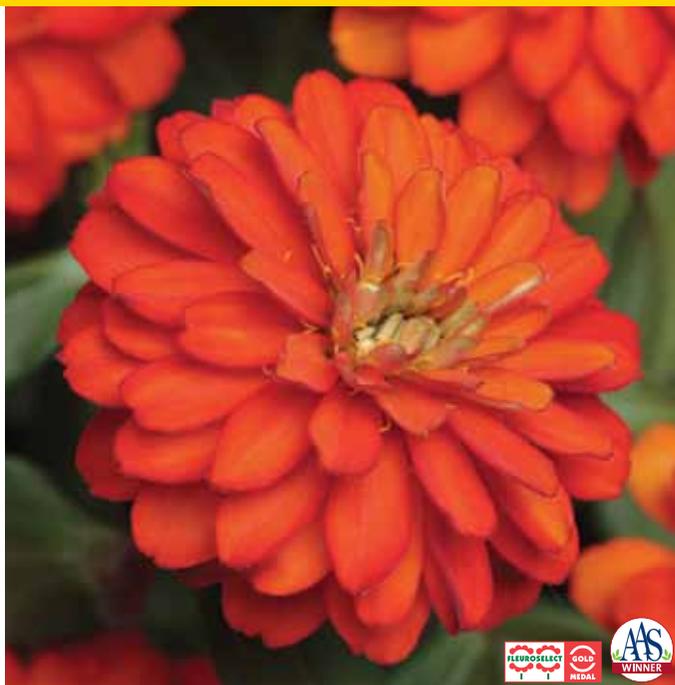
Supplied as raw and primed seed.

• Frost-tolerant, very compact, small-leaved plants produce abundant 1.5-in./3 cm flowers.

double zahara



Double Zahara Fire All-America Selections National Winner, Fleuroselect Gold Medal



Fire All-America Selections National Winner, Fleuroselect Gold Medal

ZINNIA 🌻

Zinnia marylandica

Double Zahara Series 🏆

Height: 16 to 20 in./40 to 50 cm

Spread: 16 to 20 in./40 to 50 cm

Plug crop time: 3 weeks

Transplant to finish: Spring 8 to 9 weeks, Summer 5 to 6 weeks

Supplied as raw and coated seed.

- Three new varieties - including much-wanted bright Yellow - have a tidy habit for great series uniformity.
- The only true double disease-resistant zinnia series on the market - flowers are fully double, while Double Profusion is semi-double.
- Bigger flowers than Double Profusion for more colour show.
- Award-winning, all-season performance in beds and planters.
- Outstanding disease tolerance and low water needs.

New Cherry Improved has bigger flowers, deeper colour than original Cherry and more blooms per plant. Slightly less double than others in the series.

New Salmon Rose is rich, deep pink with a touch of orange. Extra-large, extremely double flowers.

New Yellow is the same colour as Zahara Yellow but appears more vibrant due to double shape and high petal count.

Duo Mixture contains Cherry and Fire.



double zahara



NEW

Yellow US PVPAF



NEW

Yellow US PVPAF



NEW

Salmon Rose US PVPAF



Strawberry *Fleuroselect Novelty*



NEW

Cherry Improved US PVPAF



Duo Mixture



Zahara Sunburst Fleuroselect Gold Medal



Sunburst Fleuroselect Gold Medal



ZINNIA MARYLANDICA continued

Zahara® Series

Height: 12 to 18 in./30 to 45 cm

Spread: 12 to 18 in./30 to 45 cm

Plug crop time: 3 weeks

Transplant to finish: Spring 8 to 9 weeks, Summer 5 to 6 weeks

Supplied as raw and coated seed.

- 20% larger flowers than competing varieties mean more colour on the bench than any other disease-resistant zinnia...more retail impact...flower power that lasts in the landscape.
- Less care needed at retail for faster turns, less dump and better sell-through.
- Outstanding performer in heat, drought.

New Cherry Improved has larger flowers, more blooms per plant and tidier habit to match Fire.

Coral Rose colour varies by environment.

Fire colour intensifies outdoors.

Raspberry matches Fire for habit better than Coral Rose.

New Red has one of the largest flower sizes in the series, in a more vibrant, saturated colour than original Scarlet. Colour varies by environment.

Starlight Rose colour pattern varies by environment; best colour from high light, good fertilization and cool nights.

Bonfire Mixture contains Scarlet, Fire, Yellow.

Raspberry Lemonade Mixture contains Coral Rose, Yellow, Starlight Rose.



Fire US PVP 201000090



Yellow US PVPAF



White US PVPAF



Starlight Rose All-America Selections
National Winner, Fleuroselect Novelty



Yellow US PVPAF



Coral Rose US PVP 200700357



Fire US PVP 201000090



Scarlet US PVP 200700356



Raspberry US PVPAF



Red US PVPAF



Cherry Improved US PVPAF



Mixture



Bonfire Mixture



Raspberry Lemonade Mixture



NEW

Zahara XL Fire US PVP 201200484



NEW

White US PVP 201200485



NEW

Yellow US PVP 201200483



NEW

Pink US PVP 201200482

ZINNIA MARYLANDICA
continued

New Zahara® XL Series

Height: 18 to 24 in./45 to 60 cm

Spread: 18 to 24 in./45 to 60 cm

Plug crop time: 3 weeks

Transplant to finish: Spring 8 to 9 weeks, Summer 5 to 6 weeks

Supplied as raw and coated seed.

- The ideal choice for professional landscape programs: tremendous disease resistance for reliable, season-long performance...more vigour and larger blooms for quick fill...taller plants assure versatile uses and high visual appeal.
- Available in bright colours for the landscape or impulse buys at retail, including Yellow and Pink.
- Suitable for pot-tight production of 4-in./10-cm pots up to gallon containers.



Star Starbright Mixture



Star White



Star Orange



State Fair Mixture

ZINNIA

Zinnia angustifolia

Star Series

Height: 14 in./35 cm

Spread: 8 in./20 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 5 to 6 weeks

Supplied as raw seed.

- Single, star-shaped flowers up to 2 in./5 cm across on plants with a looser, more informal look.
- Tolerates heat, humidity and drought.
- Vigorous enough to fill a bed, basket or mixed container quickly.
- Resistant to *Alternaria* and powdery mildew.

Also available: **Gold**

ZINNIA

Zinnia violaeae (Syn. *Zinnia elegans*)

State Fair Mixture

Height: 3 to 4 ft./0.9 to 1.2 m

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 4 to 5 weeks

Transplant to finish: 6 to 7 weeks

Supplied as raw seed.

- Tetraploid mix has very large flowers in bright scarlet, gold, lavender, purple, orange, pink, red and yellow.

ZUCCHINI

See **Vegetables & Herbs**, page 245.



Gateway to modern, affordable décor

OMG...Must have! Today's shopper loves the "take-me-home-today" good looks of perky gerbera blooms showing off a rainbow of gorgeous colours. And for anyone in the Gerbera business, the Revolution Collection is the one you want. Five series - from Mega to Micro - promise more stems, more blooms, more color... more value!

Really, no one can resist the awesome glow of NEW Revolution Bicolor Yellow Orange. P. 172

KieftSeed

revolution collection



A revolution in every pot size

Flower timing is synchronized across the colour range in each Revolution series, so your product flows smoothly. You grow, pick, pack and ship to hit your schedule. High uniformity enables consistent, fully programmable, high-density crops year-round.



revolution collection



John Sorrell
Senior Global Product Manager

USE THE POWER OF INSPIRATION

How to attract - and keep - younger shoppers? Give them fresh and easy ways to personalize their space, indoors or out. Revolution fits the bill: Instant WOW colours, including this year's invigorating new Bicolour choices. Little to no TLC to fit today's "on the go" lifestyle. Easy centrepiece appeal. The added bonus: We're betting once they discover how cool Revolution gerberas are, they'll be open to even more types of gardening!



NEW Revolution Bicolor Yellow Orange

More great ways to maximize your "pot-ential"!

Revolution is so trustworthy that you hit your schedule every time. Renowned for its amazing array of size and colour choices, the collection jumps to an all-new level for 2016, with 9 additions and improvements that add critical colours or enhanced performance to current varieties.



Revolution Scarlet Red with Dark Eye

start your revolution

1

Mega Revolution

The biggest blooms for the biggest impact

2

Revolution

Sets the standard for pot gerbera everywhere

3

Novelty

Midi, Mini and Micro options to boost your program



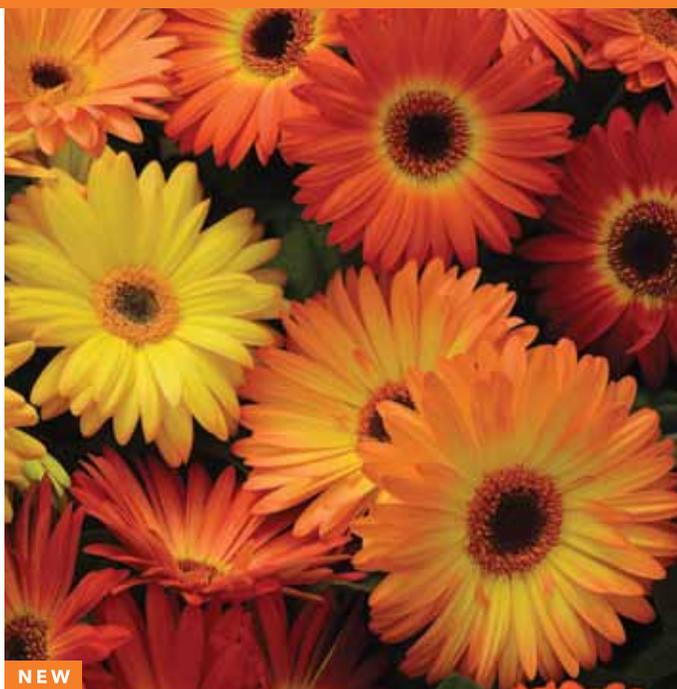
Mega Revolution Watermelon

Revolution Pastel Orange with Dark Eye

Mini Revolution Yellow

	Series	Best for	Height	Spread	Flower Size
1	Mega Revolution	6-in./15-cm and larger pots	12 to 16 in./30 to 40 cm	8 in./20 cm	3.5 to 4 in./9 to 10 cm
2	Revolution	4.5 to 5.5-in./11 to 13-cm pots, quarts	12 to 16 in./30 to 40 cm	5 to 6 in./13 to 15 cm	2.5 to 3 in./6 to 8 cm
3	Midi Revolution	3.5 to 4.5-in./9 to 11-cm pots	10 to 12 in./25 to 30 cm	4.5 to 5 in./11 to 13 cm	2.5 in./6 cm
	Mini Revolution	3.5 to 4-in./9 to 10-cm pots	8 to 10 in./20 to 25 cm	4 to 5 in./10 to 13 cm	2 to 2.5 in./5 to 6 cm
	Micro Revolution	3-in./8-cm and smaller pots	8 to 10 in./20 to 25 cm	4 to 5 in./10 to 13 cm	1 to 1.5 in./3 to 4 cm

revolution



NEW
Revolution Bicolor Yellow Orange



NEW
Harvest Brights



NEW
Bicolor Rose Shades



NEW
Spring Pastels Improved



Classic Mixture



Select Mixture

F1 GERBERA 
Gerbera jamesonii

Plug crop time: 6 to 7 weeks
Transplant to finish: 8 to 10 weeks
Supplied as coated seed.

Revolution Series

Height: 12 to 16 in./30 to 40 cm
Spread: 5 to 6 in./13 to 15 cm
Flower size: 2.5 to 3 in./6 to 8 cm

- *The most uniform gerbera you can grow!* When it comes to uniformity of flowering window across a complete colour range, Revolution is the leading standard-size pot gerbera.
- Additions and improvements add critical colours or bring enhanced performance to current varieties.
- Fully programmable for high-density production year-round.
- Industry-leading seed quality.

New Bicolor Rose Shades Similar colours as Midi Revolution Strawberry Shortcake.

New Bicolor Yellow Orange Bold, contrasting bicolor shades.

New Harvest Brights Segregating F1 hybrid assures uniformity across all tones. Great Autumn mix.

New Red with Light Eye Puts multiple blooms up at one time and has the shortest cropping window of any gerbera. Habit matches Scarlet Red with Dark Eye.

New Spring Pastels Improved Richer salmon shades than original variety; contains a small percentage of lemon. Segregating F1 hybrid assures uniformity across all tones.

New White with Light Eye Improved Improved bright white colour.

Classic Mixture has a broad range of bright and pastel colours.

Select Mixture is a uniform mix of bold, bright colours.

PROGRAM STANDOUTS

Make sure you include these sure-fire sellers in your Revolution Gerbera program!

- New Bicolor Yellow Orange**
- New Bright Rose with Light Eye**
- Golden Yellow with Dark Eye**
- Orange with Light Eye**
- New Red with Light Eye**
- Scarlet Red with Dark Eye**
- New White with Light Eye Improved**
- Select Mixture**

revolution



NEW Red with Light Eye



Bright Red with Dark Eye



Scarlet Red with Dark Eye



Orange with Light Eye



Pastel Orange with Dark Eye



Terracotta



Rose Shades



NEW Bright Rose with Light Eye



Neon Rose with Dark Eye



Pink with Light Eye
Some flowers have a picotee edge.



Light Salmon with Dark Eye



Pastel Pink Shades with Dark Eye



Golden Yellow with Dark Eye



Yellow with Dark Eye



Yellow with Light Eye



NEW White with Light Eye Improved



Revolution is best for
4.5 to 5.5-in./11 to 13-cm
pots, quarts

mega revolution



Mega Revolution Classic Mixture



Select Mixture



Purple Shades

Red with Dark Eye

NEW Salmon Rose with Light Eye

Bright Red with Light Eye

Rose with Light Eye



Watermelon

Champagne

Orange with Dark Eye

NEW Salmon Pink with Dark Eye

Golden Yellow with Dark Eye



Yellow Shades



White



Mega Revolution is best for 6-in./15-cm and larger pots

Mega Revolution Series

Height: 12 to 16 in./30 to 40 cm

Spread: 8 in./20 cm

Flower size: 3.5 to 4 in./9 to 10 cm

- Produces vigorous, bushy plants with very large flowers – beats competing series for both vigour and bloom size.

- Ideal for larger container size gerbera programs.

New Salmon Pink with Dark Eye
Large percentage of double-petaled blooms.

New Salmon Rose with Light Eye
Colour is between Watermelon and NEW Salmon Pink with Dark Eye. High percentage of double-petaled blooms.

Classic Mixture has a broad range of bright and pastel colours.

Select Mixture is a uniform mix of bold, bright colours.



Midi Revolution Strawberry Shortcake



Mini Revolution Mixture



Micro Revolution Irish Eyes Mixture

Midi Revolution Strawberry Shortcake

Height: 10 to 12 in./25 to 30 cm
Spread: 4.5 to 5 in./11 to 13 cm
Flower size: 2.5 in./6 cm

- Intermediate type between Revolution and Mini Revolution.
- Slightly smaller flower and plant size than Revolution for easy high-density production.
- Unique segregating mixture of rose, pink, red and magenta, most with bicolour petals or rings around the eye.



Mini Revolution Red with Light Eye



Mini Revolution Rose



Mini Revolution Orange with Light Eye

Mini Revolution Series

Height: 8 to 10 in./20 to 25 cm
Spread: 4 to 5 in./10 to 13 cm
Flower size: 2 to 2.5 in./5 to 6 cm
Best for: 3.5 to 4-in./9 to 10-cm pots

- Genetically compact and early to flower.
- Excellent plant habit and short stems.

Mixture is a uniform mix of bold and pastel colours.



Mini Revolution Yellow



Mini Revolution White

Micro Revolution Irish Eyes Mixture

Height: 8 to 10 in./20 to 25 cm
Spread: 4 to 5 in./10 to 13 cm
Flower size: 1 to 1.5 in./3 to 4 cm
Best for: 3-in./8-cm and smaller pots

- Very compact mix with 100% light green-eyed varieties, including pastels and bicolours.
- Contains more than 50% double and semi-double flowers.



Midi Revolution is best for 3.5 to 4.5-in./9 to 11-cm pots



Our perennial lineup goes all-out

Thanks to our innovative and forward-thinking breeding and production programs, you can always rely on Kieft Seed perennials for best-in-class genetics... exceptional seed quality...strong bench-to-garden-performance...reliable availability. Whether you grow them solo or combine varieties to create our Proven Programmable Perennial Combos, rest assured that each is designed to deliver minimum production hassles *and* maximum consumer appeal.

Count on it...Starship Scarlet F1 Lobelia lets you grow and sell finished plants better than the competition. P. 197

KieftSeed



Acanthus mollis

ACANTHUS 
Acanthus mollis

A. mollis

Height: 40 in./1 m
Spread: 32 to 36 in./80 to 90 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: 36 to 40 weeks

USDA Hardiness Zones: 6 to 10
(-10 to 30°F/-23 to -1°C minimum temperatures)

Supplied as raw seed.

- Impressive plant produces large rose and white spikes over attractive classic foliage.
- Good for borders, patio planters, or as a specimen plant.

AGASTACHE 
Agastache pallidiflora ssp. *neomexicana*

Pink Pop

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

Plug crop time: 6 to 7 weeks
Transplant to finish: 7 to 10 weeks

USDA Hardiness Zones: 7 to 10
(0 to 30°F/-18 to -1°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Highly uniform, with excellent basal branching and compact habit.

ALCHEMILLA 
Alchemilla erythropoda

Alma

Height: 6 to 8 in./15 to 20 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: 24 to 38 weeks

USDA Hardiness Zones: 3 to 8
(-40 to 10°F/-40 to -12°C minimum temperatures)

Supplied as primed seed.

- Compact, small-leaved, red-stemmed Alchemilla produces attractive blue-green foliage with yellow flowers in Spring.



Pink Pop Agastache

ALCHEMILLA 
Alchemilla mollis

Irish Silk

Height: 12 to 14 in./30 to 35 cm
Spread: 14 to 16 in./35 to 40 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: 24 to 38 weeks

USDA Hardiness Zones: 3 to 8
(-40 to 10°F/-40 to -12°C minimum temperatures)

Supplied as primed seed.

- Large, well-defined, very ornamental leaves of mid-green with trusses of small yellow flowers in Spring.

AQUILEGIA (COLUMBINE) 
Aquilegia vulgaris

Clementine Series

Height: 14 to 16 in./35 to 40 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 7 to 8 weeks
Transplant to finish: 26 to 40 weeks

USDA Hardiness Zones: 3 to 8
(-40 to 10°F/-40 to -12°C minimum temperatures)

Supplied as primed seed.

- Useful in both borders and landscapes.
- Spurless double flowers face upwards and resemble Clematis flowers.
- Best-suited for 5 to 6-in./13 to 15-cm pots, plants have good shelf life with high appeal in the store and in the garden.



Clementine Red Aquilegia



Clementine Blue Aquilegia
Fleuroselect Novelty



Clementine White Aquilegia



Clementine Rose Aquilegia
Fleuroselect Novelty



Clementine Salmon Rose Aquilegia
Fleuroselect Novelty



Clementine Dark Purple Aquilegia
Fleuroselect Novelty



Clementine Mixture Aquilegia
Fleuroselect Quality Award



Alma Alchemilla



Irish Silk Alchemilla



Winky Single White



Winky Single Pink



Winky Double White-White
Fleuroselect Novelty



Winky Double Rose-White



Winky Single Rose-Rose
Fleuroselect Quality Award



Winky Single Red-White
Fleuroselect Quality Award



Winky Double Red-White
Fleuroselect Novelty



Winky Single Early Sky Blue
Fleuroselect Novelty



Winky Single Mixture



Winky Double Dark Blue-White



Winky Single Blue-White



Winky Single Purple-White



Winky Double Mixture

AQUILEGIA continued

Winky Single Series

Height: 12 to 14 in./30 to 35 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 7 to 8 weeks

Transplant to finish: 26 to 40 weeks

USDA Hardiness Zones: 3 to 8
(-40 to 10°F/-40 to -12°C minimum temperatures)

Supplied as raw seed.

- Winky's unique colours and abundance of upright-facing flowers make for strong sales appeal - the most floriferous Aquilegia at retail!
- Plants ship and retail well.
- Uniform in habit and height, with strong stems and vigorous, bushy habit.
- Mildew tolerant.
- Useful for containers and landscapes.
- Flowers Spring to early Summer, with recommended sowing time June to July.

Early Sky Blue blooms 1 to 2 weeks earlier than rest of series.

Winky Double Series

Height: 12 to 14 in./30 to 35 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 7 to 8 weeks

Transplant to finish: 26 to 40 weeks

USDA Hardiness Zones: 3 to 8
(-40 to 10°F/-40 to -12°C minimum temperatures)

Supplied as raw seed.

- Unique double, upward-facing flowers in one-of-a-kind colour patterns offer "something different" for big retail appeal.
- Excellent uniformity during culture and harvest.
- Full and vigorous habit.
- Long shelf life.
- Mildew tolerance.
- Versatile uses.



Songbird Bluebird



Nightingale



Dove RHS Award of Garden Merit



Robin



Cardinal

F1 AQUILEGIA (COLUMBINE) 🌻
Aquilegia x hybrida

Songbird Series

Height: 11 to 18 in./28 to 40 cm;

varies by variety

Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 6 to 8 weeks

Transplant to finish: 22 to 28 weeks

USDA Hardiness Zones: 3 to 9
(-40 to 20°F/-40 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Popular series is easy and economical to grow - with true, non-fading colours in late Spring and early Summer.
- Well-adapted for 6-in./15-cm pot and garden use.
- Can be flowered in Spring from an Autumn sowing when grown in a cool greenhouse (night temperatures lower than 60°F/15°C) with no special vernalization treatment required.
- Easy-to-force, free-flowering, medium-compact plants have 1.5 to 3.5-in./4 to 9-cm blooms.

Bluebird: 11 in./28 cm tall.

Cardinal: 11 in./28 cm tall. Early-flowering and well-matched to Bluebird.

Dove: 18 in./45 cm tall.

Nightingale: 18 in./45 cm tall.

Robin: 18 in./45 cm tall. Very easy to force into flower.

Also available: **Mixture**



Swan Mixture



White



Yellow *RHS Award of Garden Merit*



Pink And Yellow



Red And White



Burgundy And White
RHS Award of Garden Merit



Lavender



Violet And White



Blue And White

AQUILEGIA continued

Swan Series

Height: 20 to 24 in./45 to 60 cm
Spread: 12 to 14 in./30 to 35

Plug crop time: 6 to 9 weeks
Transplant to finish: 22 to 28 weeks

USDA Hardiness Zones: 3 to 9
(-40 to 20°F/-40 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- The true garden Aquilegia! Abundant large blooms in vibrant colours make this an excellent home garden cut flower.
- Early and economical to grow - can be flowered in Spring from an Autumn sowing when grown in a cool greenhouse (night temperatures lower than 60°F/15°C) with no special vernalization treatment.
- Multi-stemmed plants are well-matched for uniform size, exceptional garden performance and large blooms.
- Easy to force into flower in containers.
- Very high bud count for more flowers per plant.
- Taller than the Songbird varieties.

Pink And Yellow is slightly earlier than other Swan colours, flowering 2 to 3 weeks faster.



Ballerina White Armeria
Fleuroselect Gold Medal



Ballerina Mixture Armeria



Ballerina Lilac Armeria
Fleuroselect Novelty



Ballerina Red Armeria
Fleuroselect Gold Medal

ARABIS 🌻

Arabis blepharophylla

Spring Charm

Height: 6 to 8 in./15 to 20 cm
Spread: 8 in./20 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 24 to 36 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

Supplied as raw seed.

- Wintergreen, bushy and compact plant has spikes of strong pink flowers over attractive foliage.

ARABIS 🌻

Arabis caucasica

Lotti Series

Height: 4 to 6 in./10 to 15 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 24 to 28 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

Supplied as coated seed.

- No more rangy, uncontrolled and unsalable plants, thanks to uniform, well-branched and tight plant habit.
- Short harvest window - can harvest in 1 run without the need to pick and choose.
- Series includes a non-fading rose colour.

ARENARIA 🌻

Arenaria montana

Avalanche

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

Plug crop time: 8 to 10 weeks
Transplant to finish: 26 to 44 weeks

USDA Hardiness Zones: 4 to 8
(-30 to 10°F/-34 to -12°C minimum temperatures)

Supplied as raw seed.

- Professional selection of popular perennial bedding variety.
- Uniform, compact plant is covered with many large, white blooms over a long season.

ARMERIA 🌻

Armeria pseudarmeria

Ballerina Series

Height: 8 to 10 in./20 to 25 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 12 to 15 weeks

USDA Hardiness Zones: 7 to 9
(0 to 20°F/-18 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- High-quality, programmable perennial fits right into your early-season program.
- Compact and uniform plants produce cushion-shaped, grassy foliage and long, strong stems topped with globe-shaped blooms.

BELLIS, See page 184.

CAMPANULA, See page 184.



Avalanche Arenaria



Lotti Deep Rose Arabis



Lotti White Arabis



Spring Charm Arabis



Sun Up Fleuroselect Novelty



Find more Premium Combos with Perennials on pages 204 to 207.

Sun Up with Ellagance Purple Lavender & Delft Blue Lobelia

COREOPSIS 
Coreopsis grandiflora

Sun Up

Height: 10 to 12 in./25 to 30 cm

Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 8 to 12 weeks

USDA Hardiness Zones: 4 to 9 (-30 to 20°F/-34 to -7°C minimum temperature)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Get Spring sales off to a strong start with the first coreopsis up...the brightest yellow...the most compact!
- Early flowering and less daylength sensitive than other *Coreopsis grandiflora*.
- More naturally compact than Early Sunrise.
- Produces semi-double, clear yellow flowers all Summer long.



Early Sunrise All-America Selections National Winner, Fleuroselect Gold Medal



Rising Sun Fleuroselect Gold Medal



Sunfire Fleuroselect Quality Award

Early Sunrise

Height: 24 in./60 cm
Spread: 22 to 24 in./55 to 60 cm

Plug crop time: 5 weeks
Transplant to finish: 9 to 12 weeks

USDA Hardiness Zones: 4 to 9 (-30 to 20°F/-34 to -7°C minimum temperatures); can also be marketed as an annual in premium packs.

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Our most vigorous coreopsis. Produces golden yellow, semi-double flowers constantly all Summer.

Rising Sun

Height: 18 to 30 in./45 to 75 cm
Spread: 24 to 26 in./60 to 65 cm

Plug crop time: 5 weeks
Transplant to finish: 8 to 10 weeks

USDA Hardiness Zones: 4 to 9 (-30 to 20°F/-34 to -7°C minimum temperatures); can also be marketed as an annual in premium packs.

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Early to flower and more naturally compact in a pack or 4-in./10-cm pot, requiring less growth regulators.
- Produces a smaller, controllable habit in the garden the first year; after overwintering, plants are larger than Early Sunrise.

Sunfire

Height: 24 in./60 cm
Spread: 22 to 24 in./55 to 60 cm

Plug crop time: 5 weeks
Transplant to finish: 8 to 10 weeks

USDA Hardiness Zones: 4 to 9 (-30 to 20°F/-34 to -7°C minimum temperatures); can also be marketed as an annual in premium packs.

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Well-matched to Rising Sun for habit and timing.
- Naturally compact in a pack or 4-in./10-cm pot, requiring less PGRs, or no PGRs in certain conditions.



NEW

Rapido Blue Campanula



NEW

Rapido White Campanula



Bellissima Mixture



Bellissima Red Bellis



Bellissima Rose Bellis
Fluoreselect Quality Award



Bellissima Rose Bicolor Bellis
Fluoreselect Quality Award



Bellissima White Bellis
Fluoreselect Quality Award

F1 CAMPANULA 
Campanula carpatica

New Rapido Series

Height: 5 to 7 in./13 to 18 cm
Spread: 5 to 8 in./13 to 20 cm

Plug crop time: 7 to 10 weeks
Transplant to finish: 9 to 12 weeks

USDA Hardiness Zones: 3 to 9
(-40 to 30°F/-40 to -1°C minimum temperature)

A First-Year-Flowering Perennial.

Supplied as pelleted seed.

- Earliest *C. carpatica* - up to 4 weeks earlier than other varieties.
- Delivers good young plant and finished plant vigour, while maintaining compact habit.
- Very short harvest window.
- Showy Spring perennial is ideal for high-volume bench run pot plant programs for 4-in./10-cm pots or gallons.
- Versatile - suited to patio planters and gardens, as well as an indoor novelty pot plant.

BELLIS 
Bellis perennis

Bellissima Series

Height: 6 to 10 in./15 to 25 cm
Spread: 5 to 8 in./13 to 20 cm

Plug crop time: 5 weeks
Transplant to finish: 8 to 14 weeks

USDA Hardiness Zone: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

Supplied as pelleted seed.

- Robust, early-blooming plants are strong landscape performers in cool climates.
- Needs no vernalization to flower.
- Displays an abundance of large, fully double flowers.



Redcap Delphinium

DELPHINIUM ☀

Delphinium x belladonna

Blue Donna

Height: 32 to 40 in./ 80 cm to 1 m
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 12 to 16 weeks

USDA Hardiness Zones: 5 to 9
(-20 to 20°F/-29 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- True blue Delphinium has improved uniformity and colour, increased productivity and more stems per sq. ft./sq. m.
- Heat tolerant with low disease sensitivity.

F1 DELPHINIUM ☀

Delphinium elatum

Dasante Blue

Height: 28 to 34 in./70 to 85 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 11 to 13 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Grower-friendly, uniform plants are more compact, more responsive to PGRs and naturally earlier than other *D. elatum* types.
- Easy-care, cool-season crop can be grown with little or no heat for energy savings.
- Ships well with more plants per rack in flower than any other delphinium for high retail impact.
- Vibrant, true blue flowers have light purple accents and white bees.

Guardian Series

See page 186.



Arctic Fire Dianthus

F1 DELPHINIUM ☀

Delphinium grandiflorum

Diamonds Blue

Height: 16 to 24 in./40 to 60 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 4 to 9
(-30 to 20°F/-34 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- The first F1 spurless delphinium from seed, Diamonds Blue eliminates the need for tissue culture inputs and is supplied with up to 25% higher germination for more effective scheduling.

DELPHINIUM ☀

Delphinium nudicaule

Redcap

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

Plug crop time: 6 to 8 weeks
Transplant to finish: 12 to 14 weeks

USDA Hardiness Zones: 6 to 9
(-10 to 20°F/-23 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Compact variety produces many stems of striking red flowers with strong red spurs, over shiny, deep green, indented leaves.

DIANTHUS ☀

Dianthus deltooides

Arctic Fire

Height: 6 to 8 in./15 to 20 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 10 to 14 weeks

USDA Hardiness Zone: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Striking colour combination and excellent foliage quality.



Dasante Blue Delphinium



Blue Donna Delphinium



Diamonds Blue Delphinium



Guardian Mixture



Lavender



White



Blue

F1 DELPHINIUM 🌞
Delphinium elatum

Guardian Series

Height: 30 to 39 in./75 to 100 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 16 weeks

USDA Hardiness Zone: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Breeding breakthrough makes it easy to program your crop to meet shipping dates.
- Very uniform blooming within each variety, especially under short days.
- Works well as a tall landscape/perennial variety, as a commercial cut flower, and in potted plant programs.
- Up to 6 weeks faster from transplant to bloom than O.P. types for more turns per sq. ft./metre of greenhouse space.
- Also suitable as a greenhouse cut flower or for garden cut flower production.
- As a greenhouse cut flower, Guardian can be grown under the same conditions as dianthus and snapdragons.
- Produces excellent stem quality for good cut flower shipability.

dalmatian



Dalmatian Mixture



Crème



Rose



White



Purple Fleuroselect Novelty



Peach

F1 DIGITALIS 
Digitalis purpurea

Dalmatian Series

Height: 16 to 20 in./40 to 50 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 10 to 14 weeks

USDA Hardiness Zones: 5 to 9
(-20 to 20°F/-29 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as pelleted seed.

- The fastest Digitalis on the market in striking colours customers love!
- Uniform in height and early flowering.
- Well-branched with excellent habit and compact foliage.
- Produces strong colours on good-quality spikes.
- Suitable for 1 and 2 gallons and up.
- Premium end cap product.

'cheyenne spirit'



'Cheyenne Spirit' All-America Selections National Winner, Fleuroselect Gold Medal US 7,982,110



ECHINACEA 
Echinacea x hybrida (Coneflower)

'Cheyenne Spirit'

Height: 18 to 24 in./45 to 60 cm first year; 22 to 30 in./55 to 75 cm second year

Spread: 10 to 16 in./25 to 40 cm first year; 14 to 20 in./35 to 50 cm second year

Plug crop time: 5 to 6 weeks

Transplant to finish: 13 to 17 weeks

USDA Hardiness Zones: 4 to 10 (-30 to 30°F/-34 to 1°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Plants are shorter, better branched and fuller than many tissue culture varieties. This makes it possible to grow without PGRs and offers the ability to ship on tightly spaced racks.
- Flexible scheduling is possible to meet a range of market dates.
- Fits a broad range of sizes from premium packs to gallons. Packs are suitable for in-color or green plant sales for landscape or prairie-to-go uses.
- Broad and consistent palette includes shades of red, orange, purple, scarlet, cream, yellow and white.
- Long retail shelf life, heat and drought tolerance, and excellent Winter hardiness.

More colours! More flowers! More sales!

Award-winning 'Cheyenne Spirit' gives you the more economical way to bring these high-demand colours to market, compared to traditional tissue-culture material. This incredibly vibrant segregating mix delivers maximum flower power at retail, and continues to shine in landscapes with its superior performance.



White



Wild Berry

ECHINACEA 🌻

Echinacea purpurea (Coneflower)

PowWow® Series

Height: 16 to 20 in./40 to 50 cm first year; 22 to 24 in./55 to 60 cm second year

Spread: 12 to 16 in./30 to 40 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 13 to 17 weeks

USDA Hardiness Zones: 4 to 10 (-30 to 30°F/-34 to -1°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Colour-packed PowWow varieties are well-matched for habit and timing.
- Fuller, shorter and better branched than many tissue culture echinaceas - can be grown without growth regulators and shipped tight on racks.
- Programmable to meet market dates.
- Versatile series works well from gallon containers to premium packs.
- Packs are suitable for landscaper in-color or green plant sales and for prairie-to-go programs.
- Very drought-tolerant, easy-care plants stay tidy at retail with long holdability.

PowWow Wild Berry All-America Selections National Winner US 7,982,110; EU 35233



Sure-fire sellers

PowWow puts more flowers on every plant than most other seed Echinacea for a terrific, non-fading colour show. Add in their tidier, "super-shippable" habit and you've really upped your game in this Top 5 perennial class.



Stallone Erigeron



Malachite Heuchera
Fleuroselect Novelty



Very Berry Gaultheria



Palace Purple Heuchera



Pixie Splash Gypsophila



Melting Fire Heuchera *Fleuroselect Novelty EU 20557*

ERIGERON 
Erigeron karvinskianus

Stallone

Height: 6 to 8 in./15 to 20 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 7 to 9 weeks
Transplant to finish: 10 to 14 weeks
(under long days)

USDA Hardiness Zones: 6 to 9
(-10 to 20°F/-23 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Attractive spreading plant with two-toned flowers that change from white to rose.
- Durable and long-flowering.
- Good in baskets, planters and borders; excellent groundcover.

GAILLARDIA

See page 191.

GAULTHERIA 

Gaultheria procumbens

Very Berry

Height: 5 to 6 in./12 to 15 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 8 to 12 weeks
Transplant to finish: 8 to 12 months

USDA Hardiness Zones: 6 to 9
(-10 to 20°F/-23 to -7°C minimum temperatures)

Supplied as raw seed.

- Compact, uniform evergreen shrub displays white flowers in July/August, followed by large, ornamental red berries.
- Appealing and durable product for Autumn and Winter sales, indoor and outdoor use.
- High percentage of usable plants from plug.

GAURA

See page 192.

GYPSOPHILA 

Gypsophila cerastioides

Pixie Splash

Height: 3 to 5 in./8 to 12 cm
Spread: 4 to 7 in./10 to 18 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 26 to 40 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

Supplied as raw seed.

- Early Spring perennial offers reliable seed quality and germination, uniform and compact habit, and short harvest window.
- Long-lasting on the shelf for minimum waste.

HEUCHERA 
Heuchera hybrid

Malachite

Foliage height: 8 in./20 cm
Flower height: 18 in./45 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: 12 to 16 weeks

USDA Hardiness Zones: 5 to 8
(-20 to 10°F/-29 to -12°C minimum temperatures)

Supplied as pelleted seed.

- Uniform, attractive seed Heuchera with excellent varietal quality is cost-effective and easy to grow as a plug.
- Large, full plants have heavily curled, intense green leaves.
- Strong garden performer has good weather tolerance.

Melting Fire

Foliage height: 8 in./20 cm
Flower height: 18 in./45 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: 12 to 16 weeks

USDA Hardiness Zones: 5 to 8
(-20 to 10°F/-29 to -12°C minimum temperatures)

Supplied as pelleted seed.

- Companion to Malachite is just as uniform, with the same excellent quality, cost-effective production, strong garden performance and good weather tolerance.
- Large plants have strong curled leaves in intense purple-red.
- True tissue culture alternative.

HEUCHERA 

Heuchera micrantha

Palace Purple

Foliage height: 10 in./25 cm
Flower height: 20 in./50 cm
Spread: 14 to 16 in./35 to 40 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

Supplied as pelleted seed.

- Compact variety has highly attractive foliage of strong bronze-purple, with small white flowers appearing later.



Bright Bicolor



Peach

F1 GAILLARDIA 🌻
Gaillardia x grandiflora

Mesa Series

Height: 14 to 16 in./35 to 40 cm
Spread: 20 to 22 in./50 to 55 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 11 to 13 weeks

USDA Hardiness Zones: 5 to 10 (-20 to 30°F/-29 to -1°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- The first F1 gaillardia from seed puts out lots of fast colour on “no-flop” plants.
- Strong, early-flowering, well-branched plants fill quart and gallon containers quickly while maintaining the controlled height.
- Compared with other seed gaillardia, Mesa varieties are more uniform in habit and flowering time, for easier scheduling and shipping.
- Very drought tolerant once established, with intense, non-fading colour all season.
- Upright, well-branched plants perform well in landscapes and mixed containers.



Mesa Yellow All-America Selections National Winner, Fleuroselect Gold Medal

'sparkle white'



'Sparkle White' All-America Selections National Winner, Fleuroselect Gold Medal



'Sparkle White' with Titan Rose Halo Vinca & Sophistica Blackberry Petunia



GAURA 
Gaura lindheimeri

'Sparkle White'

Height: 12 to 24 in./30 to 60 cm
Spread: 12 to 20 in./30 to 50 cm

Plug crop time: 5 weeks
Transplant to finish: 7 to 8 weeks

USDA Hardiness Zones: 5b to 9
(-15 to 20°F/-23 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Early, naturally compact and long-flowering variety is easy to grow, with no pinching necessary.
- Significant timing improvements over older seed Gaura genetics - 2 to 3 weeks faster. At 12 to 13-week crop time, it compares with vegetative varieties.
- Can be finished in 4 to 6-in./10 to 15-cm pots to save labour and bench time.
- Durable, drought-tolerant variety is compact enough for containers and floriferous enough to use as a bedding plant.



Whiteout Iberis *Fleuroselect Novelty*

F1 HIBISCUS 
Hibiscus moscheutos

Luna Series

Height: 2 to 3 ft./60 to 90 cm
Spread: 2 ft./60 cm

Plug crop time: 3 to 4 weeks
Transplant to finish: 10 to 13 weeks

USDA Hardiness Zone: 5 to 9
(-20 to 20°F/-29 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Produces big, bushy, well-branched plants without pinching.
- Numerous 6 to 8-in./15 to 20-cm flowers.
- Ideal for large containers or in perennial gardens.
- Very responsive to PGRs.
- Higher germination than other seed varieties.

IBERIS 
Iberis sempervirens

Whiteout

Height: 6 to 8 in./15 to 20 cm
Spread: 8 to 12 in./20 to 30 cm

Plug crop time: 7 to 8 weeks
Transplant to finish: 26 to 36 weeks; sow May to mid-August, finish March to May

USDA Hardiness Zones: 3 to 8
(-40 to 10°F/-40 to -12°C minimum temperature)

Supplied as raw seed.

- Delivers more uniform flowering and plant habit than other seed varieties.
- Improved branching and centre fill provide a more attractive finished plant.
- No pinching needed, for less labour and plant loss.



Luna White Hibiscus



Luna White Hibiscus



Luna Pink Swirl Hibiscus



Luna Rose Hibiscus



Luna Red Hibiscus



Luna Mixture Hibiscus

bandera purple



Cor de Jung
Global Product Manager

USE THE POWER OF NO-PINCH

Yesterday, your *L. stoechas* crop might have handed you a headache or two: multiple pinches, the risk of *Botrytis*, a "so-so" flower show. Today, our new seed-grown Bandera Purple has turned Spanish Lavender on its head with the fantastic flower power and compact, full plants...just 11 to 14 weeks from transplant!

LAVANDULA 🌞

Lavandula stoechas (Spanish Lavender)

New Bandera Purple

Height: 7 to 9 in./18 to 23 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 11 to 14 weeks
(28 to 35 weeks overwintered, only in high light/low humidity areas)

USDA Hardiness Zones: 7 to 10
(0 to 30°F/-18 to -1°C minimum temperature)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Compact to medium habit with good branching and uniformity - easily fills 4-in./10-cm pots to gallons.
- Flowers heavily to almost cover the plant.
- Short harvest window - fits bench run programs.
- Long-flowering and self-cleaning with good secondary flush of flowers.
- Holds dense, mounded habit in the garden without falling open.
- A "Gateway to Gardening" variety for young shoppers - great nursery and grocery store impulse item, gift plant, indoor pot plant.

NEW Bandera Purple Lavandula Fleuroselect Gold Medal



Easy to grow...ship...sell!

A true breeding breakthrough! The first professional-quality seed *L. stoechas*, Bandera Purple puts the ease and efficiency of seed at your fingertips, while pumping out quality that's comparable to vegetative. You'll grow and ship lush, flower-filled plants so stunning that they'll practically jump into shoppers' carts!



Ellagance Purple Fleuroselect Gold Medal



Sky Fleuroselect Gold Medal



Snow Fleuroselect Novelty



Pink EU PBR AF

LAVANDULA 🌞

Lavandula angustifolia

Ellagance Series

Height: 12 to 14 in./30 to 35 cm

Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: 10 to 14 weeks (24 to 36 weeks overwintered)

USDA Hardiness Zones: 5 to 8 (-20 to 10°F/-29 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Ellagance stands out from other seed and vegetative lavenders for its excellent uniformity, colour range, earliness and spike quality.
- Outstanding branching fills pots quickly and finishes with large, dense flower spikes and very strong stems.
- Spreading and upright plants have rich grey-green foliage.
- Winter-hardy and cold-tolerant, with good tolerance to foliar diseases compared to other lavenders.
- High uniformity means harvest times are short and comparable to any vegetative variety.
- Ships well; long-flowering in perennial beds and patio planters.



Hidcote Blue Strain Lavandula



Lavance Purple Lavandula EU 17706



Mini Blue Lavandula
Fleuroselect Novelty



Spanish Eyes Lavandula



Vulcan Red Lobelia

LAVANDULA continued

Hidcote Blue Strain

Height: 12 to 20 in./30 to 50 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 14 to 16 weeks
(24 to 38 weeks overwintered)

USDA Hardiness Zones: 5 to 8
(-20 to 10°F/-29 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Suitable for professional plug production, this highly uniform perennial lavender strain requires an overwintering period.

Lavance Purple

Height: 10 to 20 in./25 to 50 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 14 to 16 weeks
(24 to 38 weeks overwintered)

USDA Hardiness Zones: 5 to 8
(-20 to 10°F/-29 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Most intense spike and flower colour of all seed lavenders on a uniform, compact plant.
- Best for late Spring and Summer production, longer days and higher temperature.
- Can also be scheduled for a traditional overwintering production with potting in Weeks 28 to 32.
- NOTE: Lavance does not grow quickly in cool climates.



Delft Blue Lobelia

Mini Blue

Height: 10 to 20 in./25 to 50 cm
Spread: 12 to 14 in./30 to 35 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 10 to 14 weeks
(24 to 36 weeks overwintering)

USDA Hardiness Zones: 5 to 8
(-20 to 10°F/-29 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Compact, well-branched plants don't need trimming, ship well and won't lodge open in the garden.
- Strong and short, these spreading plants produce many eye-catching flower spikes over rich grey-green foliage.

LAVANDULA 
Lavandula multifida

Spanish Eyes

Height: 16 to 25 in./40 to 70 cm
Spread: 20 to 30 in./50 to 75 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 7 to 10
(0 to 30°F/-18 to -1°C minimum temperatures)

Supplied as raw seed.

- Fast-growing tender perennial/annual flowers all Summer, right until frost.
- Soft-textured and finely cut fernleaf foliage is topped by branched, 4-in./10-cm spikes that are beautiful in bud and stunning when blooms open.
- Free-flowering in pot and garden.

LOBELIA 
Lobelia x speciosa

Vulcan Red

Height: 24 to 32 in./60 to 80 cm
Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 8 to 10 weeks
(288 tray)
Transplant to finish: 14 to 19 weeks

USDA Hardiness Zones: 6 to 10
(-10 to 40°F/-21 to 2°C minimum temperature)

A First-Year-Flowering Perennial.

Supplied as pelleted seed.

- The first professional-quality alternative to Queen Victoria, Vulcan Red is full, well-branched and strong-stemmed, with a uniform and more controlled habit.
- Best for 2-gallon containers and larger; can also be used for 1-gallon containers.
- Rich red flowers and bronze leaves are great for Autumn mixed combos.

LOBELIA 
Lobelia valida

Delft Blue

Height: 10 to 12 in./25 to 30 cm
Spread: 12 to 16 in./30 to 40 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 7 to 9
(0 to 20°F/-18 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as pelleted seed.

- Half-hardy perennial Lobelia makes compact, sturdy and well-branched plants.
- Intense blue flowers with white eye top green, tooth-edged, succulentlike foliage.
- Self-cleaning, long-flowering variety is weather-tolerant in both wet and dry conditions.



NEW Starship Deep Rose

Tops for uniformity

Scarlet opened the door to growing a consistent crop...new one-of-a-kind Deep Rose elevates this stellar series to "must have!" With earlier flowering; improved branching; low stretch; uniform, controlled habit; and huge flower power, count on Starship for a better-quality finished plant than the competition.



Scarlet

F1 LOBELIA 
Lobelia x speciosa

Starship Series

Height: 20 to 24 in./50 to 60 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time (288 tray): Scarlet, 7 to 9 weeks; Deep Rose, 8 to 10 weeks

Transplant to finish: 13 to 17 weeks

USDA Hardiness Zones: 6 to 10 (-10 to 40°F/-21 to 2°C minimum temperature)

A First-Year-Flowering Perennial.

Supplied as pelleted seed.

- Good Summer crop for landscape programs – prefers higher temperatures, humidity and moisture.
- Good germination and plug yield.
- Versatile series works well from 5-in./13-cm pots to higher-value 1 and 2-gallon containers.
- Performs well in both annual and perennial combos.
- Attracts hummingbirds and butterflies.



Bergamo Monarda
Fleuroselect Gold Medal



Mon Amie Blue Myosotis
 US FVP 200800070



Champagne Bubbles White Papaver



Champagne Bubbles Yellow Papaver



Champagne Bubbles Orange Papaver



Champagne Bubbles Pink Papaver



Blue Moon Nepeta



Pink Cat Nepeta
Fleuroselect Quality Award



Champagne Bubbles Scarlet Papaver



Champagne Bubbles Mixture Papaver

MONARDA 🌞
Monarda hybrida

Bergamo

Height: 20 to 24 in./50 to 60 cm
Spread: 16 to 20 in./40 to 50 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 6 to 8
 (-10 to 10°F/-23 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Unique, compact variety provides a long-lasting display in the garden, with rose-purple flowers in clusters around the stem.
- Much earlier flowering than other Monarda, blooming from June until first frost.
- Excellent mildew tolerance.

MYOSOTIS (FORGET-ME-NOT) 🌞
Myosotis sylvatica

Mon Amie Blue

Height: 8 to 10 in./20 to 25 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 4 weeks
Transplant to finish: 5 to 9 weeks

USDA Hardiness Zones: 6 to 8
 (-10 to 10°F/-23 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Send your crop to market 3 to 6 months earlier than biannual Myosotis varieties as no vernalization is needed for flowering.
- Can be a good choice for annual programs and can be reliably scheduled for Autumn or Spring.
- Media/soil pH requirements are similar to *Primula acaulis*.

NEPETA 🌞🌿
Nepeta nervosa

Blue Moon Pink Cat

Height: 10 to 12 in./25 to 30 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 8 to 10 weeks

USDA Hardiness Zones: 4 to 7
 (-30 to 0°F/-34 to -18°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Uniform strains produce large, dense flower spikes on full, bushy plants that flower early and then freely all season.
- Well-suited to container production.
- Gives a colourful display in well-drained soil and takes the heat.

F1 PAPAVER (POPPY) 🌞
Papaver nudicaule

Champagne Bubbles Series

Height: 15 in./38 cm
Spread: 6 in./15 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 5 to 6 weeks

USDA Hardiness Zone: 4 to 8
 (-30 to 10°F/-34 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as primed seed.

- Hybrid vigour delivers uniform flowers, earliness and long-lasting garden performance compared to O.P. varieties.
- Many large, cup-shaped flowers top bushy, strong-stemmed plants.
- Performs well in hot-day, cool-night conditions.
- Good Winter item in Florida, California and similar climates.

Also available: **Citrus Mixture** - contains Orange, Yellow, White.



Moondance Papaver



Tubular Bells Rose Penstemon
Fleuroselect Quality Award



Tubular Bells Red Penstemon
Fleuroselect Novelty



Tubular Bells Wine Red with White Throat Penstemon Fleuroselect Novelty



Electric Blue Penstemon



Carillo Rose Penstemon
Fleuroselect Novelty



Carillo Purple Penstemon
Fleuroselect Novelty



Carillo Red Penstemon
Fleuroselect Gold Medal

PAPAVER (POPPY) 🌻
Papaver miyabeianum

Moondance

Height: 6 to 8 in./15 to 20 cm
Spread: 5 to 7 in./12 to 18 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Compact, easy-to-grow variety is best for container production.
- Produces lemon yellow flowers held just 4 in./10 cm over dense rosettes of light green, hairy foliage.
- Flowers develop later into beautiful, clear green seed pods.

PENSTEMON 🌻
Penstemon hartwegii

Tubular Bells Series

Height: 14 to 16 in./35 to 40 cm
Spread: 10 to 14 in./25 to 35 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 13 to 16 weeks

USDA Hardiness Zones: 7 to 10
(0 to 30°F/-18 to -1°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- First series of this type available in separate colours produces self-cleaning plants with good garden performance and long flowering period.
- Heat-tolerant, North American prairie plant.
- Upright, robust and strong-stemmed with large flowers in early Summer.

Also available: **Mixture**

PENSTEMON 🌻
Penstemon heterophyllus

Electric Blue

Height: 18 in./45 cm
Spread: 24 in./60 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 12 to 13 weeks

USDA Hardiness Zones: 6 to 8
(-10 to 10°F/-23 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Good performer in warm climates, producing multiple stems with branched spikes holding intense blue flowers.

PENSTEMON 🌻
Penstemon x mexicali

Carillo Series

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

Plug crop time: 6 to 8 weeks
Transplant to finish: Purple and Red, 12 to 14 weeks; Rose, 13 to 15 weeks

USDA Hardiness Zones: 5 to 7
(-20 to 0°F/-29 to -18°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Heat and drought-tolerant North American prairie plant.
- Well-branched plants are the most compact of any seed or vegetative varieties.
- Good shelf life; easy-care and long-flowering in landscapes and containers.
- Flowers in early Summer.



Goldsturm Rudbeckia



Irish Eyes Rudbeckia



Moreno Rudbeckia
Fleuroselect Novelty



Taiga Perovskia



Noverna Deep Blue Primula

PEROVSKIA 🌻
Perovskia atriplicifolia

Taiga

Height: 40 to 48 in./1 to 1.2 m
Spread: 12 to 16 in./30 to 40 cm

Plug crop time: 7 to 9 weeks
Transplant to finish: 14 to 16 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Attractive, bushy plants have long, feathery, deep sky blue flower spikes and contrasting silvery-green foliage.
- Heat and drought-tolerant.

POPPY, see Papaver.

PRIMULA 🌻
Primula capitata ssp. mooreana

Noverna Deep Blue

Height: 8 to 10 in./20 to 25 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

A First Year-Flowering Perennial.

Supplied as raw seed.

- Needs no cold period and flowers abundantly when grown as an annual bedding plant.
- Produces round clusters of deep blue flowers on powdery white stems, over a rosette of clear green leaves.

RUDBECKIA 🌻
Rudbeckia fulgida var. sullivantii

Goldsturm

Height: 24 to 28 in./60 to 70 cm
Spread: 14 to 18 in./35 to 45 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 20 to 24 weeks

USDA Hardiness Zones: 3 to 9
(-40 to 20°F/-40 to -7°C minimum temperatures)

A First Year-Flowering Perennial.

Supplied as primed seed.

- Superior seed quality compared to other Goldsturm strains.
- Premium, late Summer-flowering perennial is considered "best in class" for landscapes.
- Upright plants produce a large, single, scentless bloom on every stem, over tight, dark green foliage.

RUDBECKIA 🌻
Rudbeckia hirta

Irish Eyes

Height: 24 to 36 in./60 to 90 cm
Spread: 14 to 18 in./35 to 45 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 12 to 14 weeks

USDA Hardiness Zones: 7 to 9
(0 to 20°F/-18 to -7°C minimum temperatures)

Supplied as raw seed.

- Tender first-year-flowering perennial bears large, sunshine yellow flowers with distinct green eye on robust, tall and well-branched plants with contrasting dark green foliage.

Moreno

Height: 12 to 20 in./30 to 50 cm
Spread: 10 to 12 in./25 to 30 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 7 to 9
(0 to 20°F/-18 to -7°C minimum temperatures)

Supplied as raw seed.

- Vigorous garden performer produces abundant, large, mahogany-red flowers with golden orange tips.
- Heat-tolerant, compact and basal branching with a spreading habit.
- Ideal for landscapes, beds and containers.
- Tender first-year-flowering perennial.



New Dimension Blue *Fleuroselect Novelty*



Rose *Fleuroselect Novelty*



Blue

SALVIA

Salvia nemorosa (superba)

New Dimension Series

Height: 8 to 10 in./20 to 25 cm

Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 5 to 6 weeks

Transplant to finish: Rose, 8 to 10 weeks; Blue, 9 to 11 weeks

USDA Hardiness Zones: 4 to 8 (-30 to 10°F/-34 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as coated seed.

- The deepest blue and rose salvia from seed!
- Economical and easy to produce.
- Large, compact and well-branched plants feature strong-coloured flowers that last in the landscape.
- Well-matched series finishes fast with no PGRs needed.
- Fits into annual production schedules.





Blue Note Scabiosa EU 27547 with New Dimension Blue Salvia & Pixie Splash Gypsophila



Pink Diamonds Scabiosa
Fleuroselect Quality Award



Purple Volcano Salvia



Hot Trumpets Salvia



Purple Robe Saxifraga



Patio Deep Blue Salvia
Fleuroselect Quality Award

SALVIA 
Salvia lyrata

Purple Volcano

Height: 8 to 10 in./20 to 25 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 8 to 10 weeks

USDA Hardiness Zones: 6 to 8
(-10 to 10°F/-23 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Displays bronze-purple foliage year-round, with white-tipped purple flower spikes all Summer.
- Leaf colour intensifies to deep purple during late Summer and Autumn.

SALVIA 
Salvia patens

Patio Series

Height: 12 to 14 in./30 to 40 cm
Spread: 8 to 12 in./20 to 30 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 7 to 11 weeks

USDA Hardiness Zones: 8 to 10
(10 to 30°F/-12 to -1°C minimum temperature)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- With its excellent branching plant habit, Patio is more compact and richer flowering than similar strains.
- Also works well as an annual.
- Well-suited to Summer containers and borders/beds.
- Series includes the most appealing deep blue colour on your bench.



Patio Sky Blue Salvia
Fleuroselect Quality Award

SALVIA 
Salvia roemeriana

Hot Trumpets

Height: 8 to 10 in./20 to 25 cm
Spread: 6 to 8 in./15 to 20 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 8 to 12 weeks

USDA Hardiness Zones: 7 to 10
(0 to 30°F/-18 to -1°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Tender perennial displays masses of scarlet flowers on well-branched stems over deep green leaves.

SAXIFRAGA 
Saxifraga x arendsii

Purple Robe

Height: 3 to 5 in./8 to 13 cm
Spread: 4 to 6 in./10 to 15 cm

Plug crop time: 8 to 10 weeks
Transplant to finish: 40 to 44 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 0°F/-34 to -18°C minimum temperatures)

Supplied as raw seed.

- Early-flowering, compact and mounded variety delivers masses of intense purple, star-shaped flowers.

Rocco Red

Height: 3 to 4.5 in./7 to 11 cm
Spread: 3.5 to 5 in./9 to 13 cm

Plug crop time: 9 to 10 weeks
Transplant to finish: 28 to 36 weeks

USDA Hardiness Zones: 4 to 7
(-30 to 10°F/-35 to -12°C minimum temperature)

Supplied as pelleted seed.

- More uniform plant size, shorter stems and less colour variability than Highland Red.
- First professional-quality seed *S. x arendsii* on the market - an excellent conversion from vegetative varieties.
- Produces a vigorous, short-stemmed plant that fills the pot.



Rocco Red Saxifraga EU PBRAF

SCABIOSA 
Scabiosa columbaria

Blue Note

Height: 8 to 10 in./20 to 25 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 12 to 14 weeks

USDA Hardiness Zones: 5 to 9
(-20 to 20°F/-29 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Uniform and compact, with no PGRs needed in production.
- Long-flowering, basal-branching plants have dense, dark green foliage and abundant, short-stemmed, clear blue flowers all season.

SCABIOSA 
Scabiosa japonica var. alpina

Pink Diamonds

Height: 8 to 10 in./20 to 25 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 6 to 8 weeks
Transplant to finish: 13 to 15 weeks

USDA Hardiness Zones: 5 to 9
(-20 to 20°F/-29 to -7°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Good companion to Blue Note.



Starry Dreams Silene
Fleuroselect Novelty

SILENE 🌻
Silene alpestris

Starry Dreams

Height: 6 to 8 in./15 to 20 cm
Spread: 8 to 10 in./20 to 25 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 5 to 8
(-20 to 10°F/-29 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as raw seed.

- Produces a compact, fresh green leaf cushion from which small, star-shaped, upward-facing pure white flowers emerge.
- Excellent for container production, with elegant finished quality.

STACHYS 🌻
Stachys byzantina (lanata, olympica)

S. byzantina

Height: 16 in./40 cm
Spread: 20 to 24 in./50 to 60 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 10 to 12 weeks

USDA Hardiness Zones: 5 to 7
(-20 to 0°F/-29 to -18°C minimum temperatures)

Supplied as raw seed.

- Strong border plant for larger plantings features evergreen silvery grey leaves with a wooly texture and deep rose flowers.
- Grow as an annual; mainly used for the foliage.



Stachys byzantina

VERBASCUM 🌻
Verbascum x hybrida

Southern Charm

Height: 24 to 30 in./60 to 75 cm
Spread: 12 to 18 in./30 to 45 cm

Plug crop time: 4 to 5 weeks
Transplant to finish: 12 to 13 weeks

USDA Hardiness Zones: 5 to 8
(-20 to 10°F/-29 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as pelleted seed.

- Florets are arranged in pairs, doubling the life of the flower spike.
- Plants bloom in Spring, go dormant under high temperatures and rebloom in Autumn.

VERBENA 🌻
Verbena bonariensis

Buenos Aires

Height: 40 to 50 in./1 to 1.5 m
Spread: 12 to 16 in./30 to 40 cm

Plug crop time: 6 to 7 weeks
Transplant to finish: 16 to 18 weeks

USDA Hardiness Zones: 7 to 9
(0 to 25°F/-17 to -3°C minimum temperature)

A First-Year-Flowering Perennial.

Supplied as primed seed.

- Tall, free-flowering Verbena with open plant habit is grown primarily as an annual and used as a pretty accent plant or height divider in the border.



Southern Charm Verbascum

VERBENA 🌻
Verbena rigida

New Santos Purple

Height: 12 in./300 cm
Spread: up to 48 in./1.2 m

Plug crop time: 6 to 7 weeks
Transplant to finish: 11 to 13 weeks

USDA Hardiness Zones: tender perennial; 7a to 11 (0°F/-18°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as primed seed.

- Kieft Seed offers the first high-yield primed seed form of Santos Purple - now you can count on reliable availability, high germination and excellent plug yield for this popular variety.
- One of the best tough and long-lasting landscape perennials available - very heat and drought tolerant, plus exceptional performance in cool climates.
- Compact and upright, well-branched plants bloom late Spring through Summer.
- High Powdery Mildew resistance.
- Good in baskets and combo planters, too.

VERONICA 🌻
Veronica spicata

Blue Bouquet

Height: 12 in./30 cm
Spread: 12 in./30 cm

Plug crop time: 5 to 6 weeks
Transplant to finish: 14 to 16 weeks

USDA Hardiness Zones: 5 to 8
(-20 to 10°F/-29 to -12°C minimum temperatures)

A First-Year-Flowering Perennial.

Supplied as pelleted seed.

- Versatile perennial bedding plant makes an excellent choice for landscapes.



NEW
Santos Purple Verbena

© John Martin/fofiflora.com



Blue Bouquet Veronica



Buenos Aires Verbena

premium combos with perennials



FLYING THE FLAG Starship Scarlet Lobelia, Dash White Dianthus & Diamonds Blue Delphinium 🌻

Set yourself apart in mixed combos

Build your Summer sales with Premium combos. Each is globally tested in various climates to assure solid all-season performance with well-balanced growth, excellent fill, pleasing colours and appealing textures.



NEW

JEWELS OF CLEOPATRA NEW Starship Deep Rose Lobelia, Palace Purple Heuchera & Dash Magician Dianthus 🌻



TUSCAN SUN Starship Scarlet Lobelia, Mesa Bright Bicolor Gaillardia & Sirocco Anemanthele 🌻

Visit panamseed.com for tips on producing your perennial combos plus complete culture on individual varieties.

NOTE: Individual varieties are sold separately.

All combos included on pages 204 to 207 are recommended for finishing in a 10 to 12-in./25 to 30-cm container.

premium combos with perennials



NEW

VALLEY OF THE KINGS NEW Starship Deep Rose Lobelia, Palace Purple Heuchera & Ellagance Purple Lavender 🌟



NEW

PARIS IN SPRINGTIME NEW Starship Deep Rose Lobelia & 'Cheyenne Spirit' Echinacea* 🌟



BALI HAI Early Sunrise Coreopsis* & Ellagance Purple Lavender 🌟



MAJORCA SUN Early Sunrise Coreopsis* & Diamonds Blue Delphinium 🌟

*All-America Selections National Winner

premium combos with perennials



ISLE OF CAPRI Sun Up Coreopsis, Ellagance Purple Lavender & Delft Blue Lobelia 🌻



AMAZON RAIN FOREST Blue Arrows Juncus, Byzantia Silver Stachys & Silver Falls Dichondra 🌻



PASSION FOR POMPEII Starship Scarlet Lobelia & 'Cheyenne Spirit' Echinacea* 🌻



CAIRO FLAME Mesa Peach Gaillardia & Sirocco Anemanthele 🌻
 Also available: **MONACO BREEZES** Mesa Peach, Mesa Bright Bicolor & Sirocco 🌻
SANTORINI SUNSHINE Mesa Peach, Mesa Yellow* & Sirocco 🌻
ROMAN HOLIDAY Mesa Bright Bicolor, Mesa Yellow* & Sirocco 🌻



VERY VESUVIUS Starship Scarlet Lobelia, Sunfire Coreopsis & Ellagance Purple Lavender 🌻

premium combos with perennials



MOROCCAN SPICE 'Sparkle White' Gaura* & 'Cheyenne Spirit' Echinacea* 🌻



SYDNEY SPARKLER PowWow Wild Berry Echinacea* & 'Sparkle White' Gaura* 🌻



FIJI FEELING Dalmatian Peach & Purple Digitalis 🌻
Also available: **TAHITI TREASURE** Dalmatian Peach & Crème 🌻



IN YOUR HONOR NEW Dynasty Red Improved Dianthus, Dash White Dianthus & Ellagance Purple Lavender 🌻
Also available: **BARCELONA SKIES** Pink Cat Nepeta, Dash White & Ellagance Purple 🌻



SHADES OF SAHARA Mesa Bright Bicolor Gaillardia & Sunfire Coreopsis 🌻
Also available: **MOJAVE MAGIC** Mesa Bright Bicolor & Early Sunrise Coreopsis* 🌻
GOBI SANDS Mesa Peach & Sunfire 🌻 **ARABIAN DUNES** Mesa Peach & Early Sunrise* 🌻

*All-America Selections National Winner

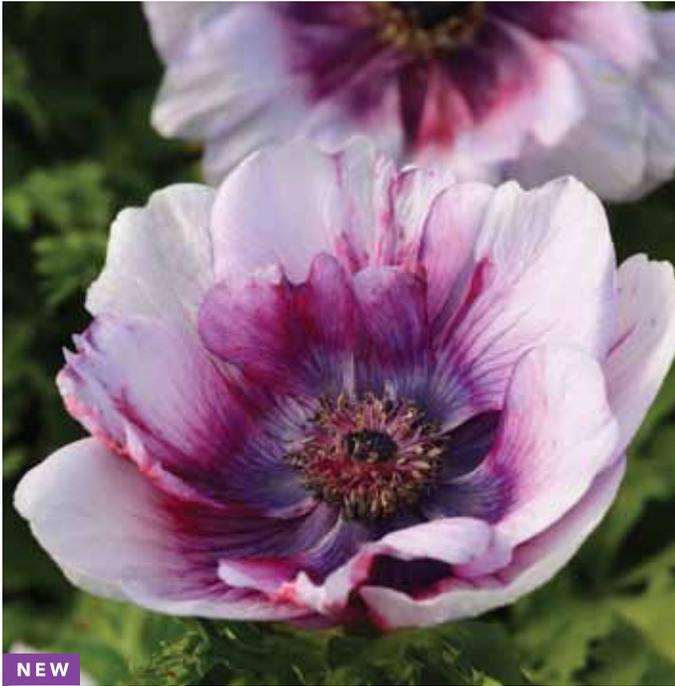


Your framework for the best bouquets

Commercial cut flower growers around the globe count on the outstanding, high-quality value varieties from PanAmerican Seed. We partner with you to lower your production costs, increase your yield, and successfully grow and ship flowers that store exceptionally...create better arrangements...and ultimately put a smile on the face of the consumer.

Best-in-class genetics like ABC 1 Purple F1 Lisianthus keep your program on the cutting edge. P. 218

PanAmerican Seed®



NEW

Wine White Bicolor



Mona Lisa Mixture



Bicolor Blue Shades



Lavender Shades



Deep Blue

ANEMONE 🌻

Anemone coronaria

Mona Lisa® Series

Height: 18 in./45 cm

Planting density: 2 to 4 plants/ft.² (22 to 44 plants/m²)

Best for: Greenhouse, high tunnel

Plug crop time: 8 weeks

Transplant to finish: 12 weeks

Supplied as raw seed.

- A masterpiece among anemones: Mona Lisa puts out up to 18 flowers per plant...flowers under lower Winter light levels...doesn't need staking, netting or disbudding.
- 4 to 4.5-in./10 to 12-cm blooms top sturdy 18-in./45-cm stems that are ideal for cutting and design work.
- Well-suited for young plant production from March to April sowing.
- Low temperatures (46 to 54°F/8 to 12°C) promote optimum stem length for cut flower production.



White



Bicolor Red



Orchid Shades



Pink



Scarlet Eye



Solid Scarlet



Deep Red



Wine Shades



Everest Blue Ageratum

AGERATUM 🌞
Ageratum houstonianum

Everest Blue

Height: 26 in./65 cm
Planting density: 3 plants/ft.² (32 plants/m²) in Summer and 2 plants/ft.² (24 plants/m²) in Autumn for Pinched crop. For Non-Pinched crop, can use 6 plants/ft.² (64 plants/m²).
Best for: Greenhouse, high tunnel, field

Plug crop time: 4 to 5 weeks
Transplant to finish: 12 to 15 weeks

Supplied as pelleted seed.

- Low-energy crop delivers strong, true blue colour.
- Can be pinched to produce uniform, sturdy stems and wider plant spread.



Silky Gold Asclepias
Fleuroselect Quality Award



Silky Scarlet Asclepias



Silky Deep Red Asclepias

AMMI

Casablanca, see page 19.

Graceland, see page 19.

ASCLEPIAS 🌞
Asclepias curassavica

Silky Series

Height: 24 to 28 in./60 to 70 cm
Planting density: 3 to 4 plants/ft.² (32 to 40 plants/m²)
Best for: Greenhouse, high tunnel, field

Plug crop time: 4 to 5 weeks
Transplant to finish: 11 to 12 weeks

Supplied as raw seed.

- High-quality series is bred for greenhouse and outdoor Summer production and prefers a warm, rather dry location.

Also available: **Mixture**



Meteor Yellow Aster
Fleuroselect Novelty



Meteor Carmine Red Aster
Fleuroselect Novelty



Meteor Violet Blue Aster
Fleuroselect Quality Award

ASTER 🌞
Callistephus chinensis

Meteor Series

Height: 30 to 40 in./80 cm to 1 m
Planting density: 7 plants/ft.² (78 plants/m²)
Best for: Greenhouse, high tunnel

Plug crop time: 4 to 5 weeks
Transplant to finish: 13 to 16 weeks

Supplied as raw seed.

- Large, 3.5 to 4-in./9 to 10-cm flowers top thicker, longer stems than small-flowered varieties.
- Excellent vigour plus well-matched timing and height.
- Harvest when 2 to 3 flowers per stem have developed colour.

Also available: **Mixture**



Meteor Rose Pink Aster



Griffiti Bupleurum

BUPLEURUM 🌞
Bupleurum rotundifolium

Griffiti

Height: Direct-sown: 36 to 48 in./90 cm to 1 m
Planting density: 4 to 6 plants/ft.² (48 to 64 plants/m²)
Best for: High tunnel, field

Direct sow to finish: 12 to 16 weeks

Supplied as raw seed.

- Uniform greenish-yellow filler for fresh bouquets.



Campana White Campanula



Pink



Lilac



Deep Blue

Focal

These are the largest blooms in the arrangement...the varieties that make customers go "aah!" Be sure to check out our centre-of-attention Jua sunflowers and lisianthus.

Filler

These transitional varieties have clusters of individual flowers on a single stem or flower head, and are used to fill in spaces between the Focal and Line flowers. Examples include dianthus, aster and bupleurum.

Line

These showy flowers add height and width to the arrangements, and are used to define the shape and direction. Many – like snapdragons, Matthiola and delphinium – feature flowers held close to the stem.

Volume

Secondary to the focal flowers, blooms like Matthiola and dianthus provide a dense burst of colour and add mass to the bouquet.

F1 CAMPANULA

Campanula medium

Campana Series

Height: 30 to 34 in./75 cm to 85 cm
Planting density: 6 to 8 plants/ft.² (64 to 80 plants/m²)
Best for: Greenhouse

Plug crop time: 7 to 8 weeks
Transplant to finish: 10 to 14 weeks

Supplied as pelleted seed.

- Top-quality professional cut flower series is a low-energy crop, suitable for Summer or Winter production.
- Well-matched across the series for timing and habit, Campana delivers excellent uniformity.
- 100% top-flowering with strong stems and good foliage.

FLORAL SELECTION GUIDE FOR BOUQUETS

Class/Variety	Page	Focal	Filler	Line	Volume
AGERATUM					
Everest Blue	210		X		
AMMI					
Casablanca	19		X		
Graceland	19		X		
ANEMONE					
Mona Lisa Series	209	X			
ASCLEPIAS					
Silky Series	210		X		
ASTER					
Meteor Series	210		X		X
BUPLEURUM					
Griffiti	210		X		
CAMPANULA					
Campana Series	211		X		X
CELOSIA					
Bombay Series	212	X			
Celway Series	214		X		
Spring Green	212	X			
Sunday Series	213		X	X	X
DELPHINIUM					
Blue Donna	185			X	X
Guardian F1 Series	186			X	
F1 DIANTHUS					
Amazon Series	216		X		X
Bouquet Series	216		X		X
Sweet Series	215		X		X
GOMPHRENA					
Fireworks	51		X		
QIS Series	51		X		
LIMONIUM					
QIS Series	217		X		
LISIANTHUS, DOUBLE					
ABC Series	218	X			
Flare Series	220	X			X
LISIANTHUS, SINGLE					
Laguna Series	221	X			
MATRICARIA					
Vegmo Series	225		X		X
MATTHIOLA					
Aida Series	224			X	X
Carmen Yellow	224			X	X
Column Stock	222			X	X
Figaro Series	224			X	X
Katz Series	223			X	X
Lucinda Series	225			X	X
Opera Series	225			X	X
MOLUCCELLA					
Bells of Ireland	225			X	
SNAPDRAGON					
Apollo Series	232			X	
Axiom Series	231			X	
Cool Series	231			X	
Early Potomac Series	227			X	
Maryland Series	229			X	
Monaco Series	230			X	
Paxia Series	231			X	
Potomac Series	228			X	
Purple Twist	232			X	
Red Delilah	232			X	
Trumpet Series	232			X	
SUNFLOWER					
Jua F1 Series	233	X			
Prado Series	233	X			
TRACHELIUM					
Lake Forest Series	234		X		
Lake Louise Series	234		X		
Lake Michigan Series	234		X		



Bombay Bronze



Bombay Pink



Bombay Green EU37645



Bombay Purple Fleuroselect Gold Medal



Bombay Cherry



Spring Green EU 18737



Bombay Fidor



Bombay Figo



Bombay Filemon



Bombay Fire



Bombay Flora



Bombay Firosa



Bombay Fivio EU 28164

CELOSIA 🌻

Celosia cristata (Cockscomb)

Bombay Series

Height: 28 to 40 in./70 cm to 1 m
Planting density: 6 to 8 plants/ft.²
 (64 to 80 plants/m²)
Best for: Greenhouse

Plug crop time: 2 to 3 weeks
Transplant to finish: 10 to 14 weeks

Supplied as coated seed.

- Industry standard for *C. cristata*: 3 to 4-week shorter production period...more durable to transport...better stress tolerance... longer vase life than the competition.
- Full colour assortment with programmable production - good for economical, high-density programs.
- High yields, strong stems and few off-shoot flowers.
- Flowers hold colour well and are well-suited to dried use.
- The 7 Bombay "Fire" colours are narrow and small-leaved, have more heat tolerance, and are of good length and well-matched for easy production planning.

Spring Green

Height: 40 to 48 in./1 to 1.2 m
Planting density: 6 to 8 plants/ft.²
 (64 to 80 plants/m²)
Best for: Greenhouse

Plug crop time: 2 to 3 weeks
Transplant to finish: 12 to 16 weeks

Supplied as coated seed.

- High percentage of saleable stems.
- Easy to program for year-round sales.
- Uniform plant habit with strong, round stems for easy harvesting and good shipability.



Sunday Orange



Yellow



Bronze



Dark Pink



Red EU 28165



Wine Red

CELOSIA 🌻
Celosia plumosa

Sunday Series

Height: 28 to 40 in./70 cm to 1 m
Planting density: 6 to 8 plants/ft.² (64 to 80 plants/m²)
Best for: Greenhouse, high tunnel

Plug crop time: 2 to 3 weeks
Transplant to finish: 12 to 16 weeks

Supplied as coated seed.

- First professional cut version of the popular plume-shape celosia.
- Full plumes and long, strong stems enhance high-end retail mixed bouquets.
- Short, programmable production time and high yield - ideal for high-density programs.
- Similar production to the widely-used *C. cristata* varieties.
- Excellent shipability and vase life.

Also available: **Mixture**



Celway Purple



White



Lemon



Salmon



Terracotta



Red



Orange



Purple

CELOSIA 🌻
Celosia spicata

Celway Series

Height: 40 to 48 in./1 to 1.2 m

Planting density: 6 to 8 plants/ft.² (64 to 80 plants/m²)

Best for: Greenhouse, high tunnel; Purple, Terracotta and White are also suitable for field production

Plug crop time: 2 to 3 weeks

Transplant to finish: 10 to 14 weeks

Supplied as coated seed.

- One central spiky plume is surrounded by several smaller spikes for a well-filled look.
- Short, programmable production time.
- Suitable for high-density production.
- Strong stems with small top leaves allow for good sleeving and shipability.

Also available: **Mixture**

DELPHINIUM

Blue Donna, see page 185.

Guardian Series, see page 186.



Sweet Coral



NEW
White Improved



NEW
Pink



NEW
Pink Magic



NEW
Magenta Bicolor



Purple White Bicolor



Coral RHS Award of Garden Merit



Scarlet RHS Award of Garden Merit



Red



Purple



Black Cherry

F₁ SINGLE DIANTHUS 🌻

Dianthus barbatus

Sweet Series

Height: 18 to 36 in./45 to 90 cm

Planting density: 4 to 6 plants/ft.² (42 to 64 plants/m²)

Best for: Greenhouse, high tunnel, field

Plug crop time: 4 to 5 weeks

Transplant to finish: Late Spring/Summer greenhouse/field, 8 to 9 weeks; Late Summer/Winter greenhouse, 9 to 13 weeks; Field, 15 to 18 weeks

Supplied as pelleted seed.

- The best commercial *D. barbatus* series available: year-round production...no vernalization needed...10 separate bright colours.
- Top-notch filler series features large, fragrant and long-lasting blooms on strong, straight stems.
- Produces high yields of saleable stems.
- Very uniform for height and flowering time.
- Excellent retail holdability.
- Taller growth comes from early, Autumn-transplanted, greenhouse-grown plants.

New White Improved has a pure, clean white flower colour with no grey anthers.

Also available: **New Mixture Improved** now also includes Black Cherry, Purple White Bicolor and NEW White Improved.



Amazon Neon Cherry



Amazon Rose Magic
RHS Award of Garden Merit



Amazon Neon Purple
RHS Award of Garden Merit



Bouquet Rose Magic



Bouquet Purple



Bouquet Purple

F1 SINGLE DIANTHUS ☀️
Dianthus barbatus interspecific

Amazon Series

Height: 18 to 36 in./45 to 90 cm

Planting density: 3 to 4 plants/ft.² (30 to 40 plants/m²) for Non-Pinched crop; 1.5 plants/ft.² (15 plants/m²) for Pinched crop

Best for: Greenhouse, high tunnel, field

Plug crop time: 4 to 5 weeks

Transplant to finish: Late Spring/Summer greenhouse/field, 11 to 14 weeks; Late Summer/Winter greenhouse, 12 to 18 weeks; Field, 18 to 23 weeks

Supplied as pelleted seed.

- Versatile and programmable – can be produced year-round and is the best dianthus for Summer production.
- No vernalization is needed for flowering.
- High yields of saleable stems.
- As a Winter greenhouse crop, height is up to 36 in./90 cm, with tallest growth from early Autumn-transplanted plants.

Also available: **Neon Duo**, a mix of Neon Cherry and Neon Purple.

Bouquet Series

Height: 18 to 24 in./45 to 60 cm

Planting density: 3 to 4 plants/ft.² (30 to 40 plants/m²)

Best for: Greenhouse, high tunnel; also suitable for field

Plug crop time: 4 to 5 weeks

Transplant to finish: Late Spring/Summer greenhouse/field, 11 to 14 weeks; Late Summer/Winter greenhouse, 12 to 18 weeks; Field, 18 to 23 weeks

Supplied as pelleted seed.

- Lacy, slightly scented flowers top strong, well-branched stems.
- Excellent bouquet filler with high yields of saleable stems.
- Greenhouse-grown plants produce longer stems, with finished heights up to 36 in./90 cm.
- Good heat tolerance.

EUPHORBIA

Kilimanjaro, see page 45.

GOMPHRENA

Fireworks, see page 51.

QIS Series, see page 51.

HELIANTHUS

See **Sunflower**, page 233.



QIS Dark Blue



White



Yellow



Apricot



Rose



Pastel



Lavender



Pale Blue

LIMONIUM (STATICE) ☀️

Limonium sinuatum

QIS Series

Height: 30 to 35 in./75 to 90 cm

Planting density: 1 to 2 plants/ft.² (10 to 20 plants/m²)

Best for: High tunnel, field

Plug crop time: 4 to 5 weeks

Transplant to finish: 18 to 22 weeks (12 to 13 with vernalization or direct sowing)

Supplied as raw seed.

- Widely recommended by professional cut flower growers in the world, QIS ('Quality in Seed') is a considerable improvement over standard varieties in uniformity, colour, flower size and stem quality.
- Produces clouds of tiny, non-shattering flowers.
- Delivers shipability and long vase life.
- Popular for both fresh and preserved cut flower production.
- Stiff stems do not require netting.

Also available: **Mixture**



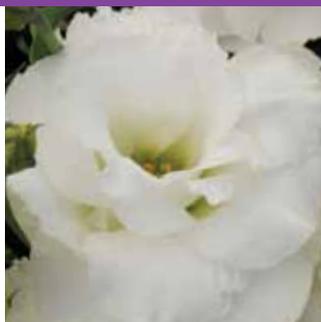
Purple



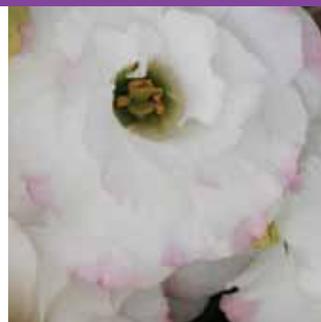
Dark Blue



ABC 1 Purple



1 White



1 Rose Rim



1 Yellow



1 Green



1 Deep Rose



1 Misty Blue



1 Purple

F₁ DOUBLE-FLOWERED LISIANTHUS 🌞

Eustoma grandiflorum

ABC Series

Height: 36 to 45 in./90 cm to 1.1 m in the greenhouse

Planting density: 8 plants/ft.² (84 plants/m²) Summer; 6 plants/ft.² (64 plants/m²) Winter

Best for: Greenhouse, high tunnel

Plug crop time: 8 to 10 weeks

Transplant to finish: Winter, 14 to 18 weeks; Spring/Autumn, 12 to 14 weeks; Summer, 10 to 12 weeks

Supplied as pelleted seed.

- Best-in-class genetics have proven reduced sensitivity to rosetting in the plug and after transplant. You get more saleable plants and stems, plus reduced or no need for gibberellic acid (GA) spraying.
- Uniform vigour in plug and finish stages and faster finish times assure a short harvest window.
- Produces a high-quality finished crop year-round in a comprehensive colour range.
- Outstanding double flower form with high petal count on strong stems.
- Quickly becoming the wedding flower of choice, and an essential for bouquets, corsages and other arrangements.
- Exceptional vase life.



2 Yellow



2 Misty Pink



2 Rose



2 Blue Blush



2 Misty Blue



2 Lavender



2 Blue Rim



2 Blue



2 Purple



3 White



3 Rose



3 Purple

SEASONALITY NUMBER GUIDE FOR ABC SERIES

Speed Guide	ABC Varieties	Optimum Flowering Period			
		Winter (Cool Temp.)	Spring (Warm Temp.)	Summer (Hot Temp.)	Autumn (Warm Temp.)
Speed 1 Early Flowering	1 Rose Rim	X			
	1 Deep Rose	X	X		X - For Late Autumn
	1 Green	X	X		X - For Late Autumn
	1 Misty Blue	X	X		X - For Late Autumn
	1 Purple	X	X		X - For Late Autumn
	1 White	X	X		X - For Late Autumn
	1 Yellow	X	X		X - For Late Autumn
Speed 2 Mid Flowering	2 Purple	X	X		X - For Late Autumn
	2 Blue	X	X	X	X - For Mid to Late Autumn
	2 Blue Blush	X	X	X	X - For Mid to Late Autumn
	2 Blue Rim	X	X	X	X - For Mid to Late Autumn
	2 Lavender	X	X	X	X - For Mid to Late Autumn
	2 Misty Blue	X	X	X	X - For Mid to Late Autumn
	2 Misty Pink	X	X	X	X - For Mid to Late Autumn
	2 Rose	X	X	X	X - For Mid to Late Autumn
	2 Yellow	X	X	X	X - For Mid to Late Autumn
Speed 3 Late Flowering	3 Purple		X	X	X
	3 Rose		X	X	X
	3 White		X	X	X

NOTE: The number in variety name is the "Speed Guide". It tells whether the variety is faster or slower to flower (1 - Early, 2 - Mid, 3 - Late, 4 - Very Late). Lisianthus flowering speed and quality is influenced by temperature, day length and light intensity during production. They will flower fastest under high temperatures, long days and high light intensities. Early-flowering varieties will flower relatively early and short with thin stems during periods of high temperatures, high light intensities and long-day conditions; hence, late-flowering varieties will be best-suited under these conditions.



Flare Deep Rose



ABC 1 Purple (left) vs. Flare Deep Blue (right)



Deep Blue



White

SEASONALITY NUMBER GUIDE FOR FLARE SERIES

Speed Guide	Flare Varieties	Optimum Flowering Period			
		Winter (Cool Temp.)	Spring (Warm Temp.)	Summer (Hot Temp.)	Autumn (Warm Temp.)
Speed 2 Mid Flowering	Deep Blue	X	X	X	X - For Mid to Late Autumn
	Deep Rose	X	X	X	X - For Mid to Late Autumn
	White	X	X	X	X - For Mid to Late Autumn

NOTE: The number in variety name is the "Speed Guide". It tells whether the variety is faster or slower to flower (1 - Early, 2 - Mid, 3 - Late, 4 - Very Late). Lisianthus flowering speed and quality is influenced by temperature, day length and light intensity during production. They will flower fastest under high temperatures, long days and high light intensities. Early-flowering varieties will flower relatively early and short with thin stems during periods of high temperatures, high light intensities and long-day conditions; hence, late-flowering varieties will be best-suited under these conditions.

F1 DOUBLE-FLOWERED LISIANTHUS continued

Flare Series

Height: 36 to 45 in./90 cm to 1.1 m

Planting density: 8 plants/ft.² (84 plants/m²) Summer; 6 plants/ft.² (64 plants/m²) Winter

Best for: Greenhouse, high tunnel

Plug crop time: 8 to 10 weeks

Transplant to finish: Winter, 14 to 18 weeks; Spring/Autumn, 12 to 14 weeks; Summer, 10 to 12 weeks

Supplied as pelleted seed.

- The best spray-type Lisianthus series - Flare produces a spray of flowers on the top of each stem that opens within a short window, giving a bouquet effect to every stem.
- Labour savings, thanks to no pinching needed.
- Full spray effect may reduce the number of stems needed for floral arrangements.



Laguna 2 White



2 White



2 Green



2 Rose Rim



2 Blue Rim



2 Yellow



2 Buttercream Blush



2 Lilac



2 Deep Rose



2 Purple



3 Blue Blush



3 Peach



4 Deep Rose



4 Deep Blue



3 Blue Rim

F1 SINGLE-FLOWERED LISIANTHUS

Eustoma grandiflorum

Laguna Series

Height: 33 to 45 in./85 cm to 1.1 m
Planting density: 8 plants/ft.² (84 plants/m²) Summer; 6 plants/ft.² (64 plants/m²) Winter

Best for: Greenhouse, high tunnel

Plug crop time: 8 to 10 weeks

Transplant to finish: Winter, 14 to 18 weeks; Spring/Autumn, 12 to 14 weeks; Summer, 10 to 12 weeks

Supplied as pelleted seed.

- Produces a high-quality finished crop year-round in a comprehensive colour range.
- Uniform seedling vigour and less rosetting sensitivity in plug and finish stages increase the number of saleable plants and stems.
- Varieties are selected for outstanding stem strength, stem caliper and flower quality.

MATRICARIA

See page 225.

SEASONALITY NUMBER GUIDE FOR LAGUNA SERIES

Speed Guide	Laguna Varieties	Optimum Flowering Period			
		Winter (Cool Temp.)	Spring (Warm Temp.)	Summer (Hot Temp.)	Autumn (Warm Temp.)
Speed 2 Mid Flowering	2 Lilac	X	X		X - For Late Autumn
	2 Blue Rim	X	X	X	X - For Mid to Late Autumn
	2 Buttercream Blush	X	X	X	X - For Mid to Late Autumn
	2 Deep Rose	X	X	X	X - For Mid to Late Autumn
	2 Green	X	X	X	X - For Mid to Late Autumn
	2 Purple	X	X	X	X - For Mid to Late Autumn
	2 Rose Rim	X	X	X	X - For Mid to Late Autumn
	2 White	X	X	X	X - For Mid to Late Autumn
	2 Yellow	X	X	X	X - For Mid to Late Autumn
Speed 3 Late Flowering	3 Blue Blush		X	X	X
	3 Blue Rim		X	X	X
	3 Peach		X	X	X
Speed 4 Very Late Flowering	4 Deep Blue		X - For Late Spring	X	X - For Early Autumn
	4 Deep Rose		X - For Late Spring	X	X - For Early Autumn

NOTE: The number in variety name is the "Speed Guide". It tells whether the variety is faster or slower to flower (1 - Early, 2 - Mid, 3 - Late, 4 - Very Late). Lisianthus flowering speed and quality is influenced by temperature, day length and light intensity during production. They will flower fastest under high temperatures, long days and high light intensities. Early-flowering varieties will flower relatively early and short with thin stems during periods of high temperatures, high light intensities and long-day conditions; hence, late-flowering varieties will be best-suited under these conditions.



Column Stock Apricot



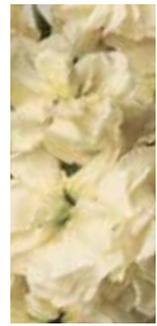
Avalanche



White Goddess



Miracle Yellow



Yellow Goddess



Miracle Gold



Apricot



Appleblossom



Malmaison Pink



Sweetheart Pink



Ball Pink



Rose Pink



Miracle Crimson



American Beauty Select



Pacific Crimson

TRADITIONAL FIELD-GROWN
MATTHIOLA (STOCK) 🌻
Matthiola incana

Column Stock Collection

Height: 24 to 30 in./60 to 75 cm

Planting density: 2.2 lbs./acre (1 kg/4,000 m²)

Best for: Field

Direct sow to finish: 20 to 22 weeks

Supplied as raw seed.

- Single-stemmed florist types have dense, showy spikes of scented, large, double flowers closely spaced on the stems.
- Optimum stem length is achieved during cool growing periods; high heat can stunt plants or prevent flower spikes from developing.
- Non-selectable for doubleness.

Also available: **Formula Mixture**



Ruby



Lilac Lavender



Pacific Blue



Miracle Mid-Blue



Purple Heart



Katz Yellow



White



Yellow



Apricot



Cherry Blossom



Pink



Bright Rose



Crimson



Light Lavender



Lavender Blue



Blue



Purple



Ruby

US PVP 201200438

EXTRA-EARLY FLOWERING TUNNEL OR FIELD-GROWN MATTHIOLA (STOCK) 🌻

Matthiola incana

Katz Series

Stem length: 32 in./80 cm

Planting density: 12 plants/ft.² (126 plants/m²)

Best for: High tunnel, field

Plug crop time: 4 weeks

Transplant to finish: 8 to 13 weeks

Supplied as raw seed.

- Delivers shorter crop time, uniform stem length and timing between colours, and better heat tolerance than European or traditional field types.
- Can be grown earlier and later in the season, and even year-round in some climates, allowing for programmable Christmas through Valentine's Day flowering.
- About 55 to 60% double-flowering, with some selectability possible.
- 5% of PanAmerican Seed net seed sales of Katz are donated to PanCan for Pancreatic Cancer research in honor of Philip Katz, former PanAmerican Seed Product Manager.

Cherry Blossom was the ASCFG 2013 Fresh Cut Flower of the Year.



Aida White



Carmen Yellow



Figaro Light Rose



Figaro Lavender



Lucinda White



Lucinda Cream



Lucinda Lavender



Lucinda Dark Rose



Lucinda Red



Lucinda Purple Violet



Lucinda Deep Blue

**NORTHERN GREENHOUSE
SELECTABLE MATTHIOLA
(STOCK)** 🌻

Matthiola incana

Planting density: 6 plants/ft.²
(64 plants/m²)

Best for: Greenhouse

Plug crop time: 5 to 6 weeks

Transplant to finish: Winter, 11 to 12 weeks; Spring, 8 to 9 weeks; Summer, 3 to 5 weeks; Autumn, 4 to 7 weeks

Supplied as raw seed.

Bred for specific seasonal performance, the Aida, Carmen and Figaro series team up with the Opera series to offer an outstanding lineup of greenhouse-grown selectable matthiola for year-round production. These matthiola are well-matched for timing and deliver very uniform plant performance. Transplanting for seasons earlier than listed will result in later flowering.

Greenhouse-grown matthiola are distinguished from field-grown types by the softer green leaves. NOTE: Selectable matthiola will produce approximately 50% double-flowering types, but it is easy to select out the single-flowered types at the young plant stage. Refer to the PanAmerican Seed Product Information Guide at panamseed.com for details.

Aida Series

(Spring Flowering, Group 2)

Stem length: 32 in./80 cm

Carmen Yellow

(Summer Flowering, Group 3)

Stem length: 32 in./80 cm

Figaro Series

(Winter Flowering, Group 1)

Stem length: 30 in./75 cm



Aida Cherry Blossom



Aida Lavender



Aida Deep Rose



Aida Blue



Opera Francesca Matthiola

Lucinda Series

(Spring Flowering, Group 2)

Stem length: 27 to 30 in./65 to 75 cm

- Strong-stemmed mid-early type is also suitable for Autumn flowering.

Also available: **Mixture**

Opera Series

(Spring Flowering, Group 2)

Stem length: 32 in./80 cm

- Bred for optimal performance in cooler greenhouse conditions.
- Recommended for Autumn to late Spring flowering.
- Production is possible year-round if cool Summer temperatures are maintained in the greenhouse.



Opera Fedora Matthiola



Opera Daphne Matthiola



Opera Debora Matthiola



Vegmo Single Matricaria



Vegmo Snowball Extra Matricaria



Vegmo Sunny Ball Gold Matricaria

MATRICARIA (TANECETUM) ☀️
Tanacetum parthenium

Vegmo Series

Height: 28 to 36 in./70 to 90 cm
Planting density: 8 plants/ft.² (80 plants/m²) in Summer; 7 plants/ft.² (70 plants/m²) in Winter

Best for: Greenhouse, high tunnel

Plug crop time: 4 to 5 weeks
Transplant to finish: Winter, 14 to 16 weeks; Spring/Autumn, 10 to 14 weeks; Summer, 7 to 10 weeks

Supplied as pelleted seed.

- Excellent, fast year-round crop.
- Good post-harvest life.



Bells of Ireland Moluccella

MOLUCCELLA 🌻🌻
Moluccella laevis

Bells of Ireland

Height: 24 to 32 in./60 to 80 cm
Planting density: 3 to 4 plants/ft.² (32 to 40 plants/m²)

Best for: High tunnel, field

Direct sow to finish: 14 to 19 weeks

Supplied as coated seed.

- Unusual spires of green, bell-formed blooms can be used fresh or dried, and add interest to mixed bouquets.
- Small, hand-shaped leaves on the flower spikes are removed after cutting for optimum ornamental value.

ORNAMENTAL PEPPER

Cappa Series, see page 105.

snapdragons



Shrvan Dasoju
Product Line Manager

USE THE POWER OF YEAR-ROUND QUALITY

Snapdragons...they're undeniably popular with flower designers and consumers. PanAmerican Seed offers you a dynamic line-up of sales-sparking novelties plus the best tried-and-true varieties. And with selections streamlined into 4 flowering response groups, you'll find it a "snap" to build an all-year program of successful growing without missing a beat!

SNAPDRAGON 🌻 *Antirrhinum majus*

Stem length: 39 to 60 in./1 to 1.5 m
Planting density: 6 to 10 plants/ft² (64 to 106 plants/m²); high-density planting under high-light or field situation

Best for: Greenhouse, high tunnel

Plug crop time: 4 to 5 weeks
Transplant to finish: 8 to 18 weeks

All cut flower snapdragons are supplied as raw seed.

Snap selection second to none

PanAmerican Seed is the world's leading supplier of F1 forcing snaps, with an unsurpassed choice of top-producing varieties selected for stem and flower quality, photoperiodic response and earliness to flower. Count on high-quality varieties you'll grow, ship and sell with confidence all year.



Early Potomac Yellow (3)



Early White (3)



Early Yellow (3)



Early Orange (3)



Early Rose (3)



Early Pink (3)

SERIES SELECTION FOR CREATING A HIGH-QUALITY YEAR-ROUND SNAPDRAGON PROGRAM

Group	Growing-On Night Temperatures	Series
1,2	45 to 55°F/7 to 13°C for late and early Spring harvest	Cool, Maryland, Purple Twist, Red Delilah, Trumpet
2,3	52 to 57°F/11 to 14°C for Autumn and Spring harvest	Apollo, Monaco, Paxia
3,4	60°F/15°C for late Spring, Summer and early Autumn harvest	Axiom, Potomac, Early Potomac

Early Potomac® Series

(Group 3)

- Can be grown under medium to long days and moderate to high light levels.
- Ideal for Spring and Autumn programs, producing very high-quality, long stems with excellent taper.



Potomac Lavender (3,4)



White (3,4)



Ivory White (3,4)



Appleblossom (3,4)



Plumblossom (3,4)



Soft Yellow (3)



Yellow (3,4)



Lavender (3,4)



Orange (3,4)



Dark Orange (3,4)



Pink (3,4)



Rose (3,4)



Cherry Rose (3,4)



Crimson (3,4)



Red (3,4)



Royal (3,4)

SNAPDRAGON continued

Potomac® Series

(Group 3,4)

- Tops for production during periods of high light, long days and warm temperatures.
- Plants produce tall, strong stems and long spikes with good flower quality.
- Can be grown year-round with supplemental high-intensity light.



Maryland Orange (1,2)



White (2)



Ivory White (1,2)



White & Yellow Bicolor (2)



Flame (1,2)



Bright Yellow (2)



Golden Bronze (1,2)



Appleblossom (2)



Shell Pink (2)



Yosemite Pink (1,2)



True Pink (1,2)



Lavender (1,2)



Plumblossom (2)



Royal (1,2)



Dark Orange (2)



Orange (1,2)



Red (1,2)

Maryland Series

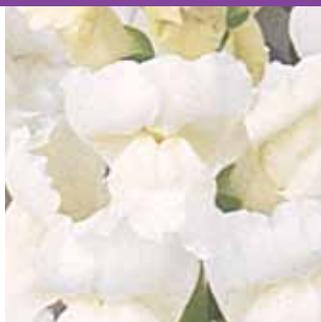
(Group 1,2)

- Energy-efficient series is your best choice for cool-season, low-light and low-temperature conditions.
- Group with other Group 1,2 varieties (Cool, Purple Twist, Red Delilah and Trumpet) for Autumn, Winter and Spring programs.
- Well-defined flower spikes are produced on sturdy, clean stems.

Also available: **Flamingo (1, 2)**



Monaco Rose (2,3)



White (2,3)



Yellow (2,3)



Baltimore Rose (2,3)



Rose (2,3)



Violet (2,3)



Red (2,3)

SNAPDRAGON continued

Monaco Series

(Group 2,3)

- The "go-to" snaps for difficult transition harvest periods - late Summer to early Autumn and late Winter to early Spring.
- Monaco tolerates warm Autumn conditions without flowering too quickly, and produces high-quality flower spikes when Autumn weather is unusually cool and dark.
- Performs well all year in areas with moderate temperatures and little daylength fluctuation.



Cool Yellow (1,2)



Cool White (1,2)



Cool Pink (1,2)



Cool Bronze (1,2)



Cool Salmon (1,2)



Cool Rose (1,2)



Cool Orange Bicolor (1,2)



Cool Coral (1,2)



Cool Crimson (1,2)



Paxia Bronze (2,3)



Paxia Scarlet (2,3)

Axiom Series

(Group 3,4)

- Suited to Autumn and late Spring-flowering programs.

Also available: **Mixture (3,4)**

Cool Series

(Group 1,2)

- The best, most uniform Winter-flowering snapdragon.
- Genetically matched varieties offer uniformity across the series and within each colour for timing, height and spike quality.
- Strong and sturdy stems have long, tight spikes with long tapers.
- Best produced under cool conditions; also the best series for dependable harvest during cool months.
- Well-suited to outdoor growing or under tunnels in California Winter conditions.
- Excellent production companion to delphiniums.

Paxia Series

(Group 2,3)

- Suited to Autumn and Spring harvest.



Axiom Paper White (3)



Axiom Pink (3,4)



Axiom Deep Rose (3,4)



Axiom Deep Orange (3,4)



Purple Twist (2)

SNAPDRAGON continued

Purple Twist

(Group 2)

- Unique standalone variety adds novelty to your snap program.
- Can be produced under short days/moderate light conditions with night temperatures of 50 to 55°F/10 to 13°C during production.
- Can be scheduled and grown along with the Maryland series.
- Striped pattern varies depending on the growing environment - when grown in warmer greenhouse conditions, the white stripes are more dense/prominent, and when grown under cool outside/tunnel conditions, the purple is more dense/prominent.



Red Delilah (2)

Red Delilah

(Group 2)

- Fun and first-of-its-kind snap produces unique red and white tube-patterned flower spikes on strong, sturdy stems - a great choice to make top-quality bouquets.
- Can be scheduled and grown along with the Maryland series.

Rocket Series

See page 144.



Apollo Ivory (2,3)



Apollo Yellow (2,3)



Apollo Cinnamon (2,3)



Trumpet Tangerine (1,2)



Apollo Purple (2,3)



Trumpet Pink (1,2)

PELORIC (OPEN-FACED) TYPE

Apollo Series

(Group 2,3)

- Peloric (open-faced) varieties offer excellent flower quality, with some of the largest florets of any snapdragons.
- Flowers are perfectly arranged along medium-long spikes, on thicker stems with taller height and more blooms than comparable series.
- Well-timed with Monaco for Autumn and Spring harvest.

Trumpet Series

(Group 1,2)

- Produces some of the largest florets of any snapdragon, with a unique open-faced "trumpet" form.
- Slightly fragrant blooms are perfectly arranged along medium-long spikes.
- Stems are thicker and taller with more blooms than comparable varieties, making this a top-quality florist product.
- Good flower retention assures excellent shipability.
- Well-timed with the Maryland series.

STATICE

See **Limonium**, page 217.

STOCK

See **Matthiola**, page 222.



Jua Maya



Jua Inca

SUNFLOWER
Helianthus annuus

Jua F1 Series

Height: 3 to 5 ft./90 cm to 1.5 m, depending on culture

Planting density: 6 to 9 days after seedlings emerge, thin to 4 to 5 plants/ft.² (42 to 52 plants/m²)

Best for: High tunnel, field

Direct sow to finish (200-cell): 8.5 to 10.5 weeks

Supplied as treated seed.

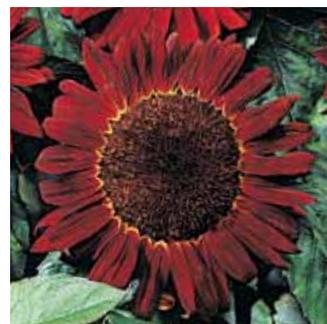
- Jua varieties are bred to be less sensitive to cultural variations than traditional sunflowers.
- Pollenless, fast-growing plants produce 3.5 to 4.75-in./9 to 14-cm flowers, complemented by smaller, deep green top leaves.
- Very good vase life.

Inca has mahogany and gold bicolor petals with dark centre.

Maya has golden yellow petals with dark black centre.



Prado Gold Fleuroselect Quality Award



Prado Red Shades

Prado Series

Height: 4 to 5.5 ft./1.2 to 1.65 m

Planting density: 0.75 plants/ft.² (8 plants/m²)

Best for: High tunnel, field

Plug crop time: 2 to 3 weeks

Transplant to finish: 10 to 12 weeks (from sowing)

Supplied as treated seed.

- Very early, multi-flowering varieties.
- May harvest approximately 7 to 10 stems per plant when the main stem is pinched at the fifth set of true leaves.
- Flowers are 6 in./15 cm in diameter.
- Very low humidity or very high light levels can reduce stem length.

Red Shades may produce almost-black ray petals at high elevations (5,000 ft.+/1,500 m+) and high light levels.

TANACETUM

See **Matricaria**, page 225.



Lake Michigan Purple



Lake Michigan White



Lake Michigan Wine Red



Lake Michigan Blue



Lake Michigan Violet



Lake Forest White



Lake Forest Purple

TRACHELIUM ☀️
Trachelium caeruleum

Lake Collection

Stem length: 30 to 42 in./75 cm to 1 m

Planting density: 6 to 8 plants/ft.² (64 to 84 plants/m²)

Best for: Greenhouse

Plug crop time: 7 to 9 weeks

Transplant to finish: 10 to 18 weeks

Supplied as pelleted seed.

Three distinct series offer simplified ordering and production to fill year-round orders. Long-day flowering varieties need 16 to 18 hours of daylength to flower and produce the large central umbel with smaller side umbels or "satellites." Excellent vase life and good shipability. Foliage is medium green unless noted.

Lake Michigan Series
(Spring & Autumn-Flowering)

- The greatest potential for year-round production in mild climates.
- Mid-season flowering (transitional Group 3), for mid-Winter to early Spring transplants to yield late Spring to early Summer flowers.
- May also be transplanted late Summer to early Autumn for Autumn to early Winter flowering.

Lake Forest Series
(Winter-Flowering)

- Transplant in Autumn to early Winter for flowering in mid-Winter to early Spring.

Lake Louise Series
(Summer-Flowering)

- Transplant in late Spring through Summer for Summer through early Autumn flowering.



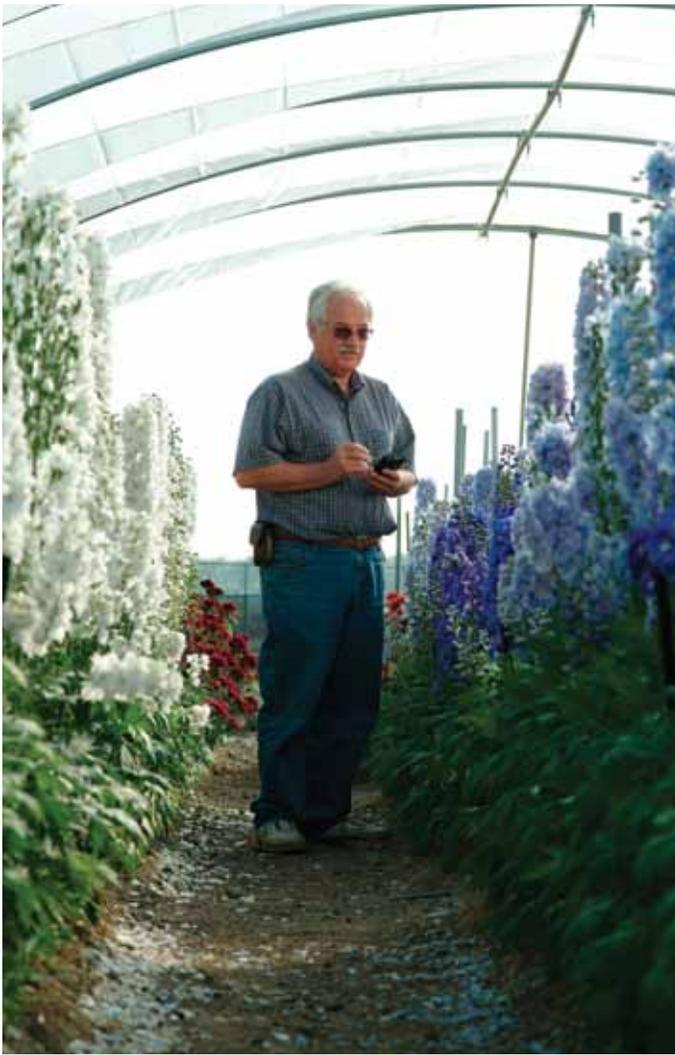
Lake Louise White



Lake Louise Blue



Lake Louise Purple



Our product development team pays careful attention to detail so that the best selections are made in our trials. (Blair Winner with Guardian delphiniums)



PanAmerican Seed breeders constantly create new plants as well as genetic improvements on already-popular varieties. (Bombay Yellow celosia)

PRODUCTION GUIDE				
Class/Variety	Page	Greenhouse	High Tunnel	Field
AGERATUM				
Everest Blue	210	X	X	X
AMMI				
Casablanca	19		X	X
Graceland	19		X	X
ANEMONE				
Mona Lisa Series	209	X	X	
ASCLEPIAS				
Silky Series	210	X	X	X
ASTER				
Meteor Series	210	X	X	
BUPLEURUM				
Griffiti	210		X	X
CAMPANULA				
Campana Series	211	X	X	
CELOSIA				
Bombay Series	212	X		
Celway Series	214	X	X	X (3 colors)
Spring Green	212	X		
Sunday Series	213	X	X	
DELPHINIUM				
Blue Donna	185	X	X	X
Guardian F1 Series	186	X	X	X
F1 DIANTHUS				
Amazon Series	216	X	X	X
Bouquet Series	216	X	X	X
Sweet Series	215	X	X	X
GOMPHRENA				
Fireworks	51	X	X	X
QIS Series	51	X	X	
LIMONIUM				
QIS Series	217		X	X
LISIANTHUS, DOUBLE				
ABC Series	218	X	X	
Flare Series	220	X	X	
LISIANTHUS, SINGLE				
Laguna Series	221	X	X	
MATRICARIA				
Vegmo Series	225	X	X	
MATTHIOLA				
Aida Series	224	X		
Carmen Series	224	X		
Column Stock	222			X
Figaro Series	224	X		
Katz Series	223		X	X
Lucinda Series	225	X		
Opera Series	225	X		
MOLUCCELLA				
Bells of Ireland	225		X	X
SNAPDRAGON				
Apollo Series	232	X	X	
Axiom Series	231	X	X	
Cool Series	231	X	X	
Early Potomac Series	227	X	X	
Maryland Series	229	X	X	
Monaco Series	230	X	X	
Paxia Series	231	X	X	
Potomac Series	228	X	X	
Purple Twist	232	X	X	
Red Delilah	232	X	X	
Trumpet Series	232	X	X	
SUNFLOWER				
Jua F1 Series	233		X	X
Prado Series	233		X	X
TRACHELIUM				
Lake Forest Series	234	X		
Lake Louise Series	234	X		
Lake Michigan Series	234	X		



Meet Kale Storm Mixture – the first all-kale SimplySalad®. P. 244

Pick a peck of profit!

This novel, high-quality collection of vegetables and herbs from PanAmerican Seed is ideal for those who supply fresh market farmers and hobby gardeners. What sets HandPicked varieties apart are their fresh, home-grown flavour... exceptional fruit quality...earlier and longer harvests...loads of produce... some with compact habits to fit smaller growing spaces.

PanAmerican Seed®



Patio Snacker Cucumber

F1 SLICING CUCUMBER ☀️

Cucumis sativus

Patio Snacker

Height: 3 to 5 ft./90 cm to 1.5 m (trellised)

Spread: 3 to 5 ft./90 cm to 1.5 m (unstaked)

Days from sowing to harvest: 53

Days from transplant to ripe fruit: 35 to 40

Fruit size: 1.5 in./4 cm wide x 8 in./20 cm long

Plug to finish: 2 to 3 weeks (direct sow)

Supplied as raw seed.

- Controlled yet vigorous variety produces short, branching vines.
- Direct sow and sell in large container with small trellis; works well in pack/pot programs.
- Dark green-skinned fruit has good flavour, crunchy texture and non-bitter peel.
- Free-flowering, monoecious plants are high-yielding with continuous harvest.
- Parthenocarpic variety means that plants will produce fruit without insect pollination.
- Best in-ground and in containers.



Patio Baby Compact Black Eggplant All-America Selections Regional Winner

F1 EGGPLANT ☀️

Solanum melongena

Patio Baby

Height: 16 to 20 in./40 to 50 cm

Spread: 18 to 22 in./45 to 55 cm

Days from transplant to ripe fruit:

40 to 45

Fruit size: 2 to 3 in./5 to 7.5 cm long and about 1 in./2.5 cm diameter

Plug crop time: 4 to 5 weeks

Plug to finish: 4 to 7 weeks

Supplied as raw seed.

- Unique, high-yielding, compact variety produces baby-size eggplants very early with a wide harvest window.
- Fits well into existing retail programs.
- Best in-ground and in containers.



heirloom marriage



Josh Kirschenbaum

Josh Kirschenbaum
Business/Product Manager

USE THE POWER OF FRESH BREEDING

Gardeners love heirloom tomatoes for their rich flavours and interesting looks...not so much for their low yields and late maturity. Our breeding team was certain they could take the best traits of beloved heirlooms, cross them and ultimately, create a much better all-around tomato. Yes, they were right: all five of our Heirloom Marriage varieties are truly a match made in heaven!

TOMATO

Solanum lycopersicum
(*Lycopersicon esculentum*)

Plug crop time: 3 to 4 weeks

Plug to finish: 4 to 8 weeks

Supplied as raw seed.



Costoluto Genovese

Brandywine

Heirloom Marriage Genuwine F1

New twists on old garden favourites

We trialed hundreds of heirlooms for key traits like colour, flavour, quality, yield. Our favourites were selected...crossed...tested and evaluated. The result: Heirloom Marriage hybrid tomatoes, with much higher yields and earlier maturity than their parents, plus all of the great flavour and less fruit blemishes.

heirloom marriage



NEW

Cherokee Carbon F1



NEW

Marziner F1



Perfect Flame F1



Genuwine F1



Big Brandy F1

	Height	Spread	Days from transplant to ripe fruit	Fruit size	Growth	Comments
Big Brandy F1	5-7 ft./ 1.5-2.1 m	3-4 ft./ 90 cm-1.2 m	75-80	12-15 oz./ 350-425 g	Indeterminate	Big, pink fruit with outstanding flavour. A cross of Big Dwarf x Brandywine. Best in-ground.
New Cherokee Carbon F1	5-7 ft./ 1.5-2.1 m	3-4 ft./ 90 cm-1.2 m	75-80	10-12 oz./ 280-350 g	Indeterminate	Robust purple beefsteak with rich flavour. A cross of Cherokee Purple x Carbon. Best in-ground.
Genuwine F1	5-7 ft./ 1.5-2.1 m	3-4 ft./ 90 cm-1.2 m	70-75	10.5- 11.5 oz./ 300-330 g	Indeterminate	Bright red slicer with well-balanced, old-time look and flavour. Ready to harvest 12 to 19 days earlier than Brandywine! A cross of Costoluto Genovese x Brandywine. Best in-ground.
New Marziner F1	5-7 ft./ 1.5-2.1 m	3-4 ft./ 90 cm-1.2 m	70-75	2-3 oz./ 55-85 g	Indeterminate	Red roma/paste tomato produces large yields of meaty fruit that are great for cooking. A cross of San Marzano x Cream Sausage. Best in-ground.
Perfect Flame F1	5-7 ft./ 1.5-2.1 m	3-4 ft./ 90 cm-1.2 m	65-70	3.5-4 oz./ 100-125 g	Indeterminate	Orange saladette tomato with sweet-tart fruitiness. Earliest-ripening Heirloom Marriage variety. A cross of Peron x Flamme. Best in-ground.

other tomatoes



NEW

Sugar Rush F1



NEW

Tidy Treats F1



Micro-Tom



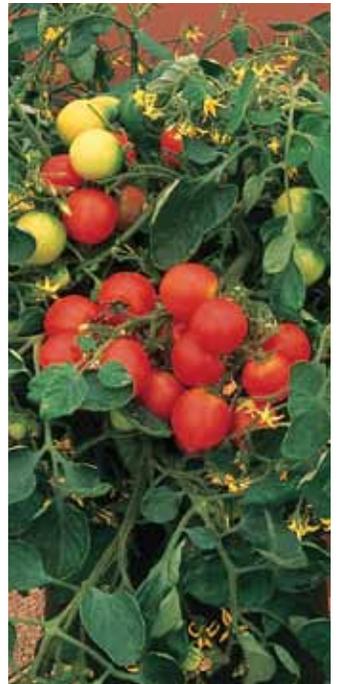
Topsy Tom F1



Homeslice F1

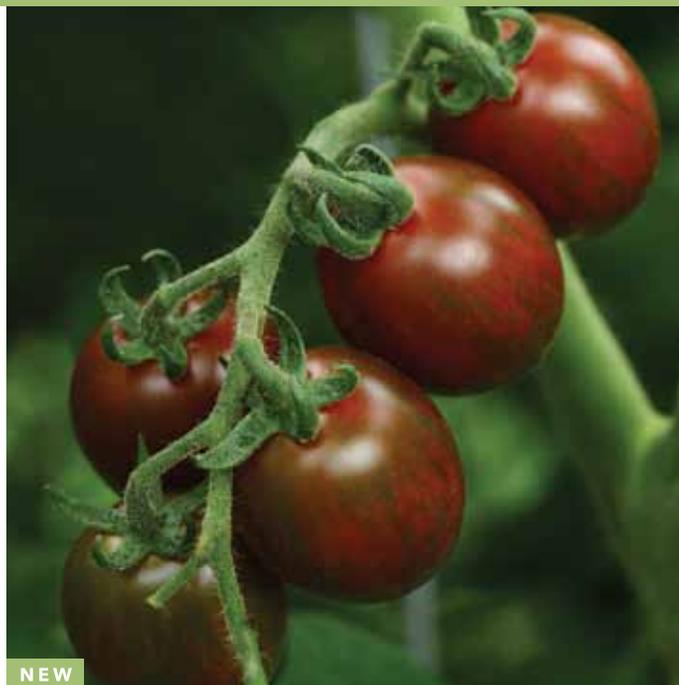


Orange Zinger F1



Tumbler F1

other tomatoes



NEW

Chocolate Sprinkles F1



NEW

Little Napoli F1

	Height	Spread	Days from transplant to ripe fruit	Fruit size	Growth	Disease Resistance	Comments
CHERRY TOMATO							
New Chocolate Sprinkles F1	5-7 ft./ 1.5-2.1 m	3-4 ft./ 90 cm-1.2 m	50-55	1 x 1.5 in./ 2.5 x 4 cm	Indeterminate	F, N, T	First in this type with a disease-resistance package. Unique striped colour. Produces more fruit with better flavour than similar OP varieties. Best in-ground.
Micro-Tom	12-18 in./ 30-45 cm (unstaked)	12-18 in./ 30-45 cm	50	0.5-0.75 in./ 1.25-2 cm	Determinate	–	Novelty variety produces an extremely dwarf plant with very compact vines covered with sweet fruit. Well-suited to 3 to 4-in./7.5 to 10-cm pot production. Best in containers.
Orange Zinger F1	5-7 ft./ 1.5-2.1 m	3-4 ft./ 90 cm-1.2 m	60	1.5 in./4 cm	Indeterminate	F, T	Yields more usable fruit than Sun Gold. Dark orange, crack-resistant tomatoes with a perfect balance of sweet and tangy. Best in-ground.
New Sugar Rush F1	5-7 ft./ 1.5-2.1 m	3-4 ft./ 90 cm-1.2 m	50-55	0.75-1.25 in./ 2-3.25 cm	Indeterminate	F, T	Super-sweet elongated fruit has one of the highest Brix ratings of this type. Fast-maturing and very productive all season. Long trusses of fruit with great crunch and texture. Best in-ground.
New Tidy Treats F1	3-5 ft./ 90 cm-1.5 m	2-3 ft./ 60-90 cm	50-55	0.75-1 in./ 2-2.5 cm	Compact indeterminate	F, V	<i>Tons of fruit power on a very compact plant!</i> Good in small space gardens and containers but unlike other patio types, continues to produce red cherry tomatoes all season. Habit like a determinate but produces like an indeterminate.
Topsy Tom F1	12-18 in./ 30-45 cm (unstaked)	3-6 ft./ 90 cm-1.8 m	50	1 x 1.25 in./ 2.5 x 3.25 cm	Semi-determinate	–	Perfect for “upside down” and traditional planters. Compact/ mounded. Pliable stems ship well, hold abundant fruit, won’t break in wind. Continues to put out branches with many trusses of split-resistant, sweet fruit.
Tumbler F1	12-18 in./ 30-45 cm (unstaked)	3-6 ft./ 90 cm-1.8 m	49	1.25 in./ 3.25 cm diameter	Determinate	–	Superior variety for baskets and containers has graceful, cascading habit. Prolific, extra-early plants produce up to 6 lbs./2.7 kg of very sweet, cherry tomatoes.
COMPACT SLICER TOMATO							
Homeslice F1	18-24 in./ 45-60 cm	2-3 ft./ 60-90 cm	63	5-6 oz./ 140-200 g	Determinate	F, V	Vigorous, compact variety produces early and bountiful yields of exceptional slicers. Perfect for patio containers and small gardens.
ROMA/PASTE TOMATO							
New Little Napoli F1	12-18 in./ 30-45 cm	2-3 ft./ 60-90 cm	60-65	2-2.5 oz./ 55-70 g	Determinate	F, V	One of the only patio romas, with disease resistance for better garden success. High yields for such a small plant – harvest enough at one time for a batch of salsa or sauce. Best in containers.

Disease Resistance:

F: Fusarium, N: Nematodes, T: Tobacco Mosaic Virus, V: Verticillium



Cajun Belle Hot Pepper *All-American Selections National Winner*



La Bomba F1 Jalapeño Pepper



Sweet Heat F1 Hot Pepper

PEPPER 🌞

Capsicum annuum

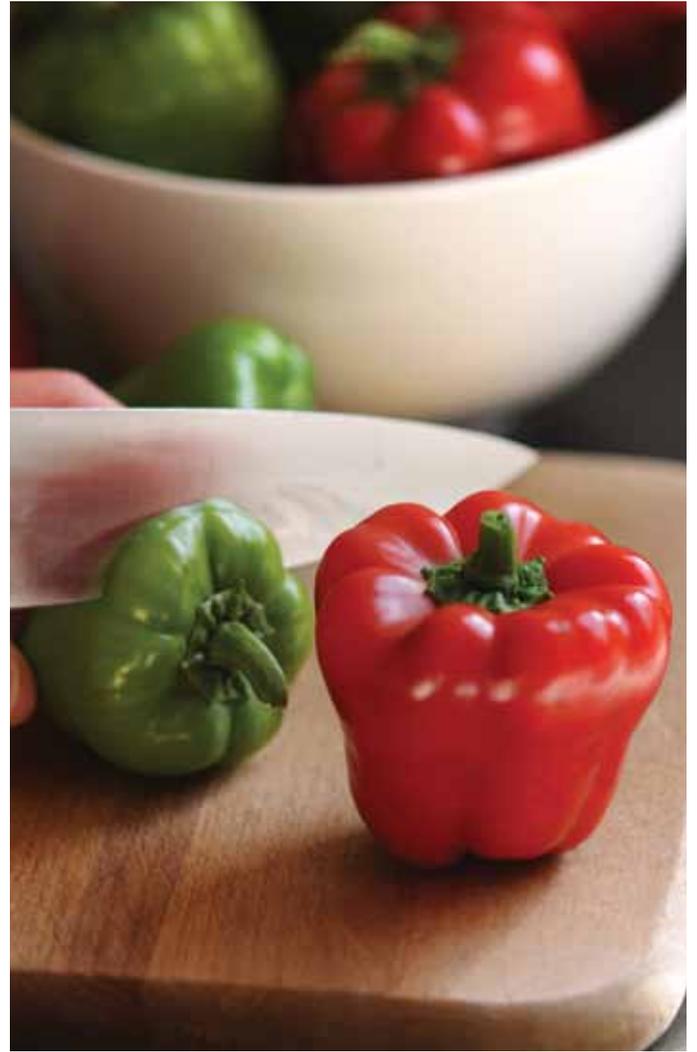
Plug crop time: 5 to 6 weeks

Plug to finish: 4 to 7 weeks (no fruit), 7 to 9 weeks (green fruit)

Supplied as raw seed.



Cute Stuff Gold II F1 Sweet Mini-Bell Pepper



Cute Stuff Red F1 Sweet Mini-Bell Pepper

	Height	Spread	Days from transplant to ripe fruit	Fruit size	Fruit colour	Comments
HOT PEPPER						
Cajun Belle)	24 in./ 60 cm	24 in./ 60 cm	60 45 to green harvest	L: 3 in./7.5 cm W: 2 in./5 cm	Green to red	Award-winning variety produces bell peppers with mildly spicy taste just right for fresh eating and salsa. Harvest green or red. Best in-ground and in containers.
Sweet Heat F1)	10 in./ 25 cm	14 in./ 35 cm	56 44 to green harvest	L: 3-4 in./ 7.5-10 cm W: 1-1.5 in./ 2.5-4 cm	Green to red	One of the earliest peppers to bear fruit! Compact, bushy plants let you ship or sell larger containers with developing fruit. Sweet and mildly spicy peppers can be harvested green or red. Best in-ground and in containers.
La Bomba F1 Jalapeño)	18-22 in./ 45-55 cm	12-18 in./ 30-45 cm	56 to green harvest	L: 2.75 in./7 cm W: 1 in./2.5 cm	Dark green	Strong, upright plants have a sturdy main stem, allowing for successful shipping and resistance against rough weather. Large fruit has thick walls and little to no checking. Good flavour with medium heat. Resists Potato Virus Y. Best in-ground and in containers.
F1 SWEET MINI-BELL PEPPER						
New Cute Stuff Gold II	18-24 in./ 45-60 cm	12-20 in./ 30-50 cm	56 42 to green harvest	L: 3 in./7.5 cm W: 2.5 in./ 6.25 cm	Green to gold	Improved variety now has disease resistance to Bacterial Leaf Spot races 1-5, 7-9. Apple-shaped mini-bells have excellent sweet taste and are perfect for fresh eating and stuffing. Produces up to three times more than other bell peppers. Best in-ground and in containers.
Cute Stuff Red	18-24 in./ 45-60 cm	12-20 in./ 30-50 cm	56 42 to green harvest	L: 3 in./7.5 cm W: 2.5 in./ 6.25 cm	Green to red	Matches NEW Cute Stuff Gold II for looks and timing, so you can grow and ship them together. High-yielding plants produce fruit continuously through the season. Resistant to Bacterial Leaf Spot races 1, 2, 3, 7 and 8; Tobacco Mosaic Virus. Best in-ground and in containers.

) = mildly hot)) = medium heat



NEW Kale Storm Mixture



City Garden Mixture



Wonder Wok Mixture



Summer Picnic Mixture



Alfresco Mixture



Global Gourmet Mixture

MULTI-SPECIES MULTI-PELLETS



SimplySalad® Series

Height: 12 in./30 cm

Spread: 12 in./30 cm

Plug crop time: 2 to 3 weeks

Plug to finish: 2 to 4 weeks

Supplied as multi-species multi-pellets, with 3 or more seedlings per pellet. Kale Storm Mixture is supplied as Precision Multi-Pellets.

- The first multi-species multi-seed pellet for salad.
- Easy to grow with very quick crop times and only one multi-pellet needed.
- Can be direct-sown in 4 to 6-in./10 to 15-cm pots and colour bowls.
- Produces more vivid colours when finished cool.
- Gardeners will enjoy as both a colourful, mixed-texture ornamental and a delicious, nutritious edible. Performs best for consumers in full sun in cool weather, or partial shade as temperatures warm up.
- Best in containers.

Alfresco Mixture Red and green leaf lettuces with arugula, endive and radicchio.

City Garden Mixture Red and green lettuces.

Global Gourmet Mixture Red and green leaf lettuces with spicy Asian greens.

New Kale Storm Mixture The first all-kale SimplySalad includes an attractive mix of textures and colours, including purple, green and blue. Lasts longer in the container than lettuce and won't bolt. Can also be planted in the ground for all-season harvest. Height/spread can reach up to 24 in./60 cm.

Summer Picnic Mixture A season extender! Heat-resistant, late-bolting mix of red and green lettuces. Formerly Endless Summer Mixture.

Wonder Wok Mixture Mix of Asian greens including mustards, kale and bok choy.



A seed first! SimplySalad multi-species pellets produce a well-balanced salad mix with one sowing.



Honeynut Butternut Squash

SQUASH, BUTTERNUT 🌞
Cucurbita moschata

Honeynut

Height: 8 to 12 in./20 to 30 cm
Spread: 7 to 10 ft./2.1 to 3 m

Days from transplant to ripe fruit: 85
Fruit size: 4 to 5 in./10 to 13 cm long; 2.5 to 3 in./6.25 to 7.5 cm wide at neck; 3 to 4 in./7.5 to 10 cm wide at base

Plug crop time: 2 to 3 weeks
Plug to finish: 2 to 3 weeks

Supplied as raw seed.

- The first widely available small-fruited butternut squash in a high-germinating, uniform strain.
- Produces sweet, smaller fruit that are manageable to prepare.
- Higher yielding than traditional varieties.
- Best in-ground.

STRAWBERRY 🌞
Fragaria x ananassa

Fresca

Height: 3 to 4 in./7 to 10 cm
Spread: 10 to 12 in./25 to 30 cm

Days from transplant to ripe fruit: 85

Plug crop time: 4 to 5 weeks
Plug to finish: 12 to 13 weeks

Supplied as raw seed.

- Produces medium-size berries from the start of Summer through Autumn.
- Best in baskets, containers and in-ground.



Easy Pick Green F1 Zucchini

SQUASH, F1 ZUCCHINI 🌞
Cucurbita pepo

Easy Pick Collection

Height: 36 to 52 in./90 cm to 1.3 m
Spread: 36 to 52 in./90 cm to 1.3 m

Days from sowing to harvest: 46
Days from transplant to ripe fruit: 32
Fruit size: Harvest from a very small size, up to 10-in./25-cm fruit

Plug crop time: 2 to 3 weeks (direct sow)

Supplied as raw seed.

- Smooth-textured zucchini in matched green and gold-skinned varieties can be grown and marketed together.
- Open habit with nearly no spines on the petioles for easy and continuous harvests with no pain.
- Simply twist to pick - less scarring and clean harvest mean longer shelf life.
- Parthenocarpic variety means that plants will produce fruit without insect pollination.
- Best in-ground.



Easy Pick Gold F1 Zucchini



Fresca Strawberry



(Left to right) SimplyHerbs Sage, Dill, Basil, Large-Leaf Italian Flat Leaf Parsley and Thyme



SimplyHerbs 'Try Basil'

SINGLE-SPECIES MULTI-SEED PELLETS 🌞

SimplyHerbs

Supplied as multi-seed pellets.

- The easy and economical way to grow the most popular herb classes.
- One plug in a 4-in./10-cm pot gives a nice fast fill.
- No more seed broadcasting or scoops across the soil, so the risk of disease is reduced.
- Best in-ground and in containers.



SimplyHerbs Curled Parsley

SimplyHerbs Basil

Ocimum basilicum (Sweet Basil)

Height: 24 to 30 in./60 to 75 cm

Spread: 12 to 16 in./30 to 40 cm

Days from transplant to harvest: 28

Plug crop time: 3 to 4 weeks

Plug to finish: 3 to 4 weeks

Each pellet includes 8 to 10 seeds.

SimplyHerbs 'Try Basil'

Ocimum basilicum

Height: 24 to 30 in./60 to 75 cm

Spread: 12 to 16 in./30 to 40 cm

Days from transplant to harvest: 28

Plug crop time: 3 to 4 weeks

Plug to finish: 3 to 4 weeks

Each pellet includes 3 varieties (Genovese, serrated and dark red selections) with 8 to 14 seeds.



SimplyHerbs Oregano

SimplyHerbs Dill

Anethum graveolens

Height: 12 to 24 in./30 to 60 cm

Spread: 10 to 16 in./25 to 40 cm

Days from transplant to harvest: 28

Plug crop time: 3 to 4 weeks

Plug to finish: 3 to 4 weeks

Each pellet includes 7 to 9 seeds.



SimplyHerbs Rosemary

SimplyHerbs Oregano

Origanum vulgare

Height: 12 to 30 in./30 to 75 cm

Spread: 12 to 24 in./30 to 60 cm

Days from transplant to harvest: 28

USDA Hardiness Zones: 5 to 9 (-20 to 20° F/-29 to -7° C minimum temperatures)

Plug crop time: 4 to 5 weeks

Plug to finish: 3 to 5 weeks

Each pellet includes 9 to 14 seeds.

other herbs

SimplyHerbs Curled Parsley

Petroselinum crispum

Height: 15 to 18 in./38 to 45 cm

Spread: 12 to 18 in./30 to 45 cm

Days from transplant to harvest: 28

USDA Hardiness Zones: 5 to 8

(-20 to 10° F/-29 to -12° C

minimum temperatures)

Plug crop time: 4 to 5 weeks

Plug to finish: 4 to 5 weeks

Each pellet includes 7 to 9 seeds.

SimplyHerbs Large-Leaf Italian Flat Leaf Parsley

Petroselinum crispum

Height: 15 to 18 in./38 to 45 cm

Spread: 12 to 18 in./30 to 45 cm

Days from transplant to harvest: 28

USDA Hardiness Zones: 5 to 8

(-20 to 10° F/-29 to -12° C

minimum temperatures)

Plug crop time: 4 to 5 weeks

Plug to finish: 4 to 5 weeks

Each pellet includes 7 to 9 seeds.

SimplyHerbs Rosemary

Rosmarinus officinalis

Height: 12 to 24 in./30 to 60 cm

Spread: 12 to 24 in./30 to 60 cm

Days from transplant to harvest: 42

USDA Hardiness Zones: 7 to 10

(0 to 30° F/-18 to -2° C minimum

temperatures)

Plug crop time: 4 to 5 weeks

Plug to finish: 3 to 5 weeks

Each pellet includes 10 to 15 seeds.

SimplyHerbs Sage

Salvia officinalis

Height: 18 to 24 in./45 to 60 cm

Spread: 14 to 24 in./35 to 60 cm

Days from transplant to harvest: 28

USDA Hardiness Zones: 4 to 8

(-30 to 10° F/-34 to -12° C

minimum temperatures)

Plug crop time: 3 to 4 weeks

Plug to finish: 3 to 4 weeks

Each pellet includes 6 to 10 seeds.

SimplyHerbs Thyme

Thymus vulgaris (Winter Thyme)

Height: 12 to 18 in./30 to 45 cm

Spread: 12 to 18 in./30 to 45 cm

Days from transplant to harvest: 42

USDA Hardiness Zones: 5 to 9

(-20 to 20° F/-29 to -7° C minimum

temperatures)

Plug crop time: 4 to 5 weeks

Plug to finish: 4 to 5 weeks

Each pellet includes 8 to 14 seeds.



Purple Ruffles Basil
All-America Selections National Winner



Sweet Dani Lemon Basil
All-America Selections National Winner
US PVP 9500027



Fernleaf Dill
All-America Selections National Winner

BASIL ☀️
Ocimum basilicum

New Dolce Fresca Sweet Italian Basil

Height: 12 to 14 in./30 to 35 cm

Spread: 10 to 12 in./25 to 30 cm

Days from transplant to harvest: 28

Plug crop time: 4 to 5 weeks

Plug to finish: 2 to 3 weeks

Supplied as raw seed.

- Mid-size plant has a unique bushy habit with shorter internodes that shows better at retail than traditional basil and holds its controlled size in the garden without getting tall and leggy.
- More usable leaf yields, with traditional basil flavour.
- Best in-ground and in containers.



Dolce Fresca Sweet Italian Basil 2015 All-America Selections National Winner

Purple Ruffles

Height: 18 to 24 in./45 to 60 cm

Spread: 18 to 24 in./45 to 60 cm

Days from transplant to harvest: 28

Plug crop time: 4 to 5 weeks

Plug to finish: 2 to 3 weeks

Supplied as raw seed.

- Ornamental variety has fragrant, ruffled, deep purple leaves.
- Approximately 5% of the plants have purple-green leaves with mild anise flavour.
- Best in-ground and in containers.

Sweet Dani Lemon Basil

Height: 22 to 24 in./55 to 60 cm

Spread: 18 to 24 in./45 to 60 cm

Days from transplant to harvest: 28

Plug crop time: 4 to 5 weeks

Plug to finish: 2 to 3 weeks

Supplied as raw seed.

- Flavourful and fragrant - up to 75% more total essential oils than standard lemon basil.
- Vigorous garden performers.
- Best in-ground and in containers.

DILL ☀️
Anethum graveolens

Fernleaf

Height: 12 to 15 in./30 to 38 cm

Spread: 10 to 12 in./25 to 30 cm

Days from transplant to harvest: 28

Plug crop time: 4 weeks

Plug to finish: 4 to 5 weeks

Supplied as raw seed.

- Perfect for patio planters - dwarf, compact plants don't need staking and won't topple over.
- Can also be grown in-ground and used for traditional culinary purposes.
- Late flowering allows for a long harvest season and extended ornamental period.

Keep in touch!

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While we're proud of what our outstanding variety lineup brings to your business, PanAmerican Seed and Kieft Seed are about so much more than product. Every member of our team is focused on building and maintaining lasting relationships with our customers around the world. Because, ultimately, that is what keeps all of us growing strong.

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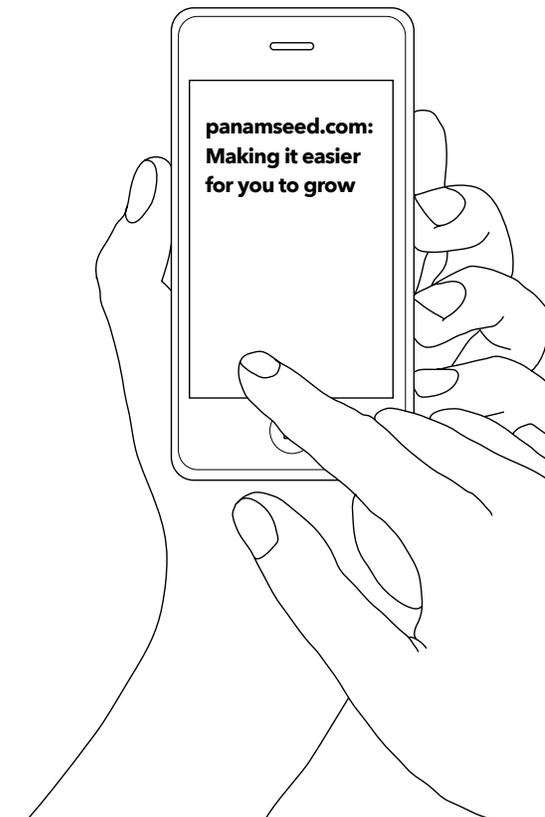
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award winners



NEW Tidal Wave Red Velour Petunia
All-America Selections National Winner,
Fleuroselect Gold Medal Winner



USE THE POWER OF GLOBAL RECOGNITION

The "stamp of approval" on these reliable, proven varieties assures landscapers and home gardeners that they are selecting and planting superior performers. Growers and retailers benefit from the added promotional efforts that these winners receive, both at their debut and for years to come.



PanAmerican Seed.

ALL-AMERICA SELECTIONS

Angelonia Serenita Pink
New Basil Dolce Fresca
Basil Purple Ruffles
Basil Sweet Dani Lemon
Dianthus Ideal Select Violet (*All-America Classic*)
New Interspecific Dianthus Jolt Pink
Diascia Diamonte Coral Rose
Dill Fernleaf
Eggplant Patio Baby (*Regional Award*)
Lisianthus Forever White
Marigold Golden Gate
Marigold First Lady
Ornamental Millet Purple Majesty (*Gold Medal Winner*)
Ornamental Pepper Black Pearl
Ornamental Pepper Chilly Chili
Osteospermum Akila Daisy White
Pepper Cajun Belle
Petunia Daddy Orchid
Petunia Pirouette Purple
New Petunia Tidal Wave Red Velour
Petunia Tidal Wave Silver
Petunia Wave Blue
Petunia Wave Lavender
Petunia Wave Purple Classic (*All-America Classic*)
Snapdragon Rocket Bronze
Snapdragon Rocket Golden
Snapdragon Rocket Orchid
Snapdragon Rocket Red
Snapdragon Rocket Rose Shades
Snapdragon Rocket White
Vinca Jams 'N Jellies Blackberry
Vinca Pacifica XP Burgundy Halo
Zinnia Double Zahara Fire
Zinnia Zahara Starlight Rose

FLEUROSELECT GOLD MEDAL

Alyssum Snow Crystals
Celosia Arrabona Red
Cosmos Sonata White
Marigold Honeycomb
Marigold Orange Boy
Marigold Orange Jacket
Nemesia Sundrops Mixture
Osteospermum Akila Daisy White
New Petunia Tidal Wave Red Velour
Petunia Wave Blue
Petunia Wave Lavender
Phlox Grammy Pink & White
Viola Sorbet XP Delft Blue
Zinnia Double Zahara Fire
Zinnia Zahara Sunburst

FLEUROSELECT QUALITY AWARD

Alyssum Easter Bonnet Violet
Aster Meteor Violet Blue
Cosmos Sonata Carmine
Cosmos Sonata Pink
Cosmos Sonata Pink Blush
Cosmos Sonata Mixture
Dahlia Figaro Orange Shades
Dahlia Figaro Red Shades
Dahlia Figaro Violet Shades
Dahlia Figaro Yellow Shades
Dianthus Ideal Select Rose
Lobelia Regatta Blue Splash
Lobelia Regatta Rose
Lobelia Riviera Midnight Blue
Lobelia Riviera Rose
Lobelia Riviera Sky Blue
Marigold Orange Gate
Ornamental Pepper Black Pearl
Petunia Tidal Wave Silver
Phlox Ethnie Velvet Red
Phlox Ethnie Pastel Mixture
Phlox Promise Peach
Phlox Promise Rose
Phlox Promise White
Sunflower (Helianthus) Prado Gold
Vinca Pacifica XP Burgundy Halo

FLEUROSELECT NOVELTY

Alyssum Clear Crystal White
Aster Meteor Carmine Red
Aster Meteor Yellow
Celosia Kosmo Purple Red
Dahlia Figaro White
Dahlia Figaro Original Field Grown Mixture
Lobelia Regatta Marine Blue
Lobelia Regatta Sapphire
Lobelia Regatta Sky Blue
Lobelia Riviera Blue Splash
Lobelia Riviera White
Marigold Bonanza Deep Orange
Phlox Promise Lilac-Blue
Phlox Promise Pink
Phlox Promise Scarlet
Salvia Lighthouse Purple
Verbena Quartz XP Purple
Zinnia Double Zahara Strawberry
Zinnia Zahara Starlight Rose

ROYAL HORTICULTURAL SOCIETY AWARD OF GARDEN MERIT

Alyssum Easter Bonnet Lavender
Alyssum Easter Bonnet Violet
Dianthus Amazon Neon Purple
Dianthus Amazon Rose Magic
Dianthus Dynasty Orchid
Dianthus Ideal Select Rose
Dianthus Ideal Select White Fire
Dianthus Sweet Coral
Dianthus Sweet Scarlet
New New Guinea Impatiens Divine
Violet Improved
Viola Sorbet XP Yellow Frost

Recognized as extraordinary

New PanAmerican Seed and Kieft Seed varieties are recognized as outstanding performers by the most prestigious organizations in the industry - All-America Selections, Fleuroselect and the Royal Horticultural Society.

award winners



NEW



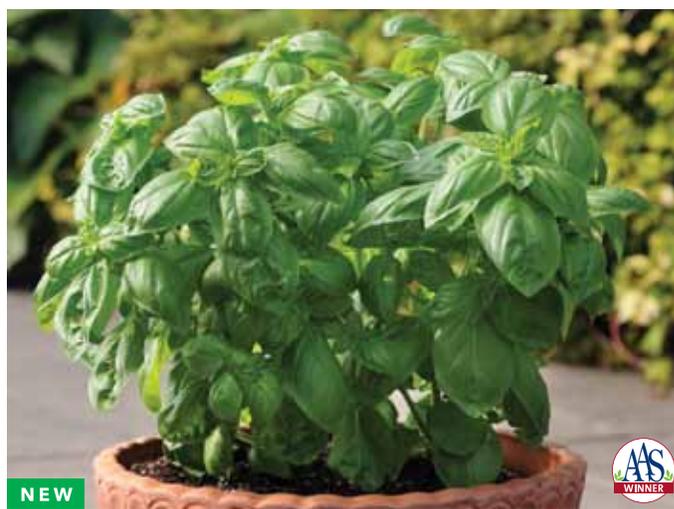
Jolt Pink Interspecific Dianthus All-America Selections National Winner



NEW



Bandera Purple Lavandula Fleuroselect Gold Medal Winner



NEW



Dolce Fresca Basil Sweet Italian Basil All-America Selections National Winner

KieftSeed

ALL-AMERICA SELECTIONS

Coreopsis Early Sunrise
Echinacea PowWow Wild Berry
Echinacea 'Cheyenne Spirit'
Gaillardia Mesa Yellow
Gaura 'Sparkle White'

FLEUROSELECT GOLD MEDAL

Armeria Ballerina Red
Armeria Ballerina White
Celosia Bombay Purple
Coreopsis Early Sunrise
Coreopsis Rising Sun
Echinacea 'Cheyenne Spirit'
Gaillardia Mesa Yellow
Gaura 'Sparkle White'
New Lavandula Bandera Purple
Lavandula Ellagance Purple
Lavandula Ellagance Sky
Lavatera Twins Hot Pink
Monarda Bergamo
Penstemon Carillo Red

FLEUROSELECT QUALITY AWARD

Ammi Graceland
Aquilegia Clementine Mixture
Aquilegia Winky Single Red-White
Aquilegia Winky Single Rose-Rose
Asclepias Silky Gold
Bellis Bellissima Rose
Bellis Bellissima Rose Bicolour
Bellis Bellissima White
Celosia Spiky Pink
Coreopsis Sunfire
Gomphrena QIS Carmine
Lavatera Twins Cool White
Nepeta Pink Cat
Penstemon Tubular Bells Rose
Salvia Patio Deep Blue
Salvia Patio Sky Blue
Sanvitalia Orange Sprite
Scabiosa Pink Diamonds

FLEUROSELECT NOVELTY

Aquilegia Clementine Blue
Aquilegia Clementine Dark Purple
Aquilegia Clementine Rose
Aquilegia Clementine Salmon Rose
Aquilegia Winky Single Early Sky Blue
Aquilegia Winky Double Red-White
Aquilegia Winky Double White-White
Armeria Ballerina Lilac
Coreopsis Sun Up
Digitalis Dalmatian Purple
Heuchera Malachite
Heuchera Melting Fire
Iberis Whiteout
Lavandula Ellagance Snow
Lavandula Mini Blue
Penstemon Tubular Bells Red
Penstemon Tubular Bells Wine Red
with White Throat
Penstemon Carillo Purple
Penstemon Carillo Rose
Rudbeckia Moreno
Salvia New Dimension Blue
Salvia New Dimension Rose
Sanvitalia Vanilla Sprite
Silene Starry Dreams

ROYAL HORTICULTURAL SOCIETY AWARD OF GARDEN MERIT

Aquilegia Songbird Dove
Aquilegia Swan Burgundy and White
Aquilegia Swan Yellow

terms & conditions of sale

ACCEPTANCE OF TERMS

These terms and conditions shall govern orders for Goods placed with Seller. Purchaser acknowledges that these terms and conditions and Seller's proposal, if any, constitute the entire agreement between Seller and Purchaser and supersede any prior agreements and representations. Any prior or contemporaneous promises, agreements, negotiations or representations whether oral or written or created the custom, usage or course of dealing are also superseded by these terms and conditions. No modification of these terms and conditions shall be effective unless in writing signed by Seller. Placement of the order shall constitute Purchaser's acceptance of these terms and conditions. All orders are subject to acceptance by Seller at our corporate office. Any different or additional terms in any documents from Purchaser are objected to and rejected, are deemed to materially alter these terms, and will not become part of any contract between Seller and Purchaser.

PRICING

Prices and availability are subject to change without notice. Although Seller tries to assure accuracy, it shall not be held responsible for typographical or other errors in this price list. Purchaser's price is determined by referring to the product price and deducting any discount for which Purchaser may qualify. Please contact your sales representative for more information.

TERMS

All payments must be received before Goods are shipped unless otherwise agreed to in writing by Seller. Payment terms are 1% discount when paid within 15 days from invoice date, NET 30 days. A 1% per month finance charge (12% annual rate) will be added to all past due balances at the end of each month. Seller has no obligation to ship any Goods until payment in full is received.

MINIMUM ORDERS

The minimum quantity listed in the price list for each variety is the minimum order for that variety. Seller reserves the right to fill orders using pre-packaged inventory when available.

FREIGHT & HANDLING CHARGES, INSPECTION, DAMAGED GOODS

(a) The freight and handling charge on Purchaser's invoice covers shipment of the Goods to Purchaser's destination. Seller will pay to return damaged goods, for replacement Goods or provide Purchaser with a credit for damaged Goods if the steps listed in Section (b) below are followed. PURCHASER WILL NOT REFUSE TO RETURN DAMAGED OR DEFECTIVE GOODS, OR THE RIGHT TO FILE A CLAIM IS LOST AND PURCHASER WILL STILL BE LIABLE FOR THE MATERIAL AND THE FREIGHT. (b) When Purchaser receives shipment, it shall immediately: 1) count all cartons; 2) inspect all cartons for external damage; 3) check for open or resealed cartons; 4) note any damages, shortages, open or resealed cartons on the delivery receipt; the carrier's representative must also sign the receipt; and 5) open all boxes immediately and inspect for damage, including, but not limited to, material shortages. PURCHASER MUST NOTIFY SELLER WITHIN TWO (2) BUSINESS DAYS

IF A SHIPMENT IS DAMAGED by calling its Customer Service Representative to report the damage and receive details on what is needed to file a claim. The Goods shall be deemed accepted by the Purchaser on the earlier of (a) notice of acceptance to Seller, or (b) ten (10) days after delivery. Any claims for shortage, non-delivery, damage or defect which would reasonably be discoverable in the course of such inspection shall be waived unless Purchaser notifies Seller in writing within ten (10) days after delivery of the goods to which the claim relates.

PACKAGING FEES

All orders will be filled in bulk and/or predetermined packet sizes unless special packaging instructions are given. If special packaging is requested, a packaging fee will apply and additional time may be required to complete the order. Purchaser shall contact Customer Service if it requires additional details.

PHYTOSANITARY CERTIFICATES CHARGE

Depending on the Goods ordered by Purchaser, and the location of the Purchaser, Phytosanitary Certificates may be required to comply with government regulations. If the shipment requires Phytosanitary Certificates, an additional cost will be charged.

DELIVERY DATES

Please indicate the required ship date when the order is being placed. No orders can be accepted without a requested ship date. All shipping and delivery dates provided by the Seller are approximate.

DELAYS, SHORTAGES & SUBSTITUTIONS

Seller shall not be responsible for delays in delivery or for losses resulting from such delays. Seller reserves the right to make partial shipment. Seller will not be liable for any delay in performing or for partial or complete failure to perform hereunder if such delay or failure is due to fire, explosion, flood, Act of God, force majeure, accident, war, intervention of governmental authorities, strikes, labor disputes, material shortages, transportation delays, any act or omission of Purchaser, its agents or employees or any party retained by, through or under the control of Purchaser, or any other cause similar or dissimilar which is beyond Seller's reasonable control.

INSURANCE

Seller does not insure shipments via Air Mail, but insures all other shipments in transit, in commercially reasonable amounts.

SHIPPING

Any shipment outside of North America will be charged normal carrier rates.

RETURNS

No Goods may be returned without first obtaining written authorization. Authorized returns will only be considered if they are in original, unopened Seller packages. All returns are subject to a 15% service charge.

No credit or replacement will be given for Goods returned after nine (9) months from the ship date.

Upon receiving authorization, returns can be shipped to:

West Chicago

PanAmerican Seed
Attn: Returns
622 Town Road
West Chicago, Illinois USA 60185-2698

Santa Paula

PanAmerican Seed
Attn: Returns
335 South Briggs Road
Santa Paula, California USA 93060-9703

Purchaser should consult with its Customer Service Representative to determine authorization and the correct return address.

SEED COUNT

All seed counts given are approximate quantities due to variation based on a lot by lot comparison. Seed counts may also vary widely between colors and series.

NOTICE REGARDING SEED-BORNE DISEASES

Seller makes no representation regarding the freedom from seed-borne diseases of the seed sold and disclaims any liability relating to such diseases, whether previously known to exist or not identified until such seed is grown.

RESERVATION OF OWNERSHIP

In the event of bankruptcy, products delivered by the Seller remain the property of Seller until the Purchaser has paid the purchase price amount. This reservation of ownership is also extended to claims that Seller may obtain towards Purchaser on account of the Purchaser's failure to meet their obligations to Sale.

LIMITATION OF WARRANTY

Seller warrants, to the extent required by law, that Goods conform to the description appearing in Seller's catalog and on container labels, within recognized tolerances. THE FOREGOING WARRANTIES ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER EXPRESSED OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT.

LIMITATION OF REMEDY

PURCHASER'S SOLE AND EXCLUSIVE REMEDY SHALL BE REFUND OF THE PURCHASE PRICE. SELLER'S LIABILITY, WHETHER FOR BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, PRODUCTS LIABILITY OR ANY OTHER THEORY OF LIABILITY, IS LIMITED TO THE AMOUNT OF THE PURCHASE PRICE. PURCHASER AGREES THAT IN NO EVENT, REGARDLESS OF THE FORM OF LEGAL ACTION OR THE THEORY OF RECOVERY, WILL SELLER BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL, INDIRECT OR PUNITIVE DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES.

MANDATORY ARBITRATION

ANY CLAIM WHICH PURCHASER MAY HAVE AGAINST SELLER ARISING OUT OF OR RELATING TO THE SALE OF THE GOODS HEREUNDER MUST BE BROUGHT, IF AT ALL, WITHIN TWELVE (12) MONTHS OF THE DELIVERY OF THE GOODS WHICH ARE THE SUBJECT OF THE CLAIM AND SHALL BE SETTLED BY BINDING ARBITRATION IN ACCORDANCE WITH

THE COMMERCIAL ARBITRATION RULES OF THE AMERICAN ARBITRATION ASSOCIATION, SAID ARBITRATION TO BE VENUED IN COOK OR DUPAGE COUNTIES, ILLINOIS.

GOVERNING LAW, JURISDICTION & VENUE

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

INDEMNITY

By accepting the Goods, Purchaser agrees to indemnify, defend and hold harmless Seller, its affiliates, successors and assigns from and against any claim or liabilities, claims, demands, damages, losses and expense (including attorney's fees) asserted by any or all transferees of such Goods or users of the products of such Goods (i) arising from any act or omission of Customer or its employees or agents, or (ii) who were not notified by Purchaser in writing of Limitation of Warranty, Limitation of Remedy, Mandatory Arbitration, Governing Law, Jurisdiction and Venue, and Notice Regarding Seed-Borne Diseases, in language substantially equivalent to that contained in these Terms and Conditions of Sale.

TRADEMARKS

Trademarks are and shall remain the property of Ball Horticultural Company, unless otherwise indicated. Nothing herein shall grant Purchaser a license to use any such trademark.

SALE LIMITATIONS

PANAMERICAN SEED PRODUCTS ARE NOT AVAILABLE FOR SALE IN AND MAY NOT BE RESOLD INTO AUSTRALIA, NEW ZEALAND, KOREA, BRAZIL AND SOUTH AFRICA. THE COMPANY'S PRODUCTS MAY NOT BE SOLD, DIVERTED, TRANSFERRED OR RE-EXPORTED, DIRECTLY OR INDIRECTLY, TO ANY INDIVIDUAL, ENTITY, OR DESTINATION THAT IS SUBJECT TO UNITED STATES OR UNITED NATIONS SANCTIONS PROGRAMS OR EMBARGOS (INCLUDING, BUT NOT LIMITED TO, OFAC SANCTIONS PROGRAMS AND THOSE LISTED ON OFAC'S "SPECIALLY DESIGNATED NATIONALS" LIST) WITHOUT AN APPROPRIATE EXPORT LICENSE.

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Visit our websites for current Terms & Conditions of Sale.

protection information

U.S. UTILITY PATENTS

US 7,915,504

Alyssum Clear Crystal® Lavender Shades
Alyssum Clear Crystal® Mixture
Alyssum Clear Crystal® Purple Shades
Alyssum Clear Crystal® White

US 7,982,110

Echinacea 'Cheyenne Spirit'
Echinacea PowWow® Wild Berry

US 7,642,436

Fuseables® Petunia Berry Bold
Fuseables® Petunia Blueberry Lime Jam
Fuseables® Petunia Lime Coral
Petunia Debonair Black Cherry
Petunia Debonair Dusty Rose
Petunia Debonair Lime Green
Petunia Sophistica® Antique Shades
Petunia Easy Wave® Berry Velour
Petunia Easy Wave® Burgundy Velour
Petunia Easy Wave® Red Velour
Petunia Sophistica® Blackberry
Petunia Sophistica® Lime Bicolor
Petunia Sophistica® Lime Green
Petunia Sophistica® Twilight
Petunia Tidal Wave® Red Velour

US 5,986,188

Impatiens Super Elfin® Red Starburst XP
Impatiens Super Elfin® Violet Starburst XP

US 7,087,819 AND US 7,393,995

Pepper, Ornamental Chilly Chili
Pepper, Ornamental Medusa

US 7,393,995 AND US 7,696,416

Pepper, Ornamental Sangria

U.S. PATENTS APPLIED FOR

Calibrachoa Kabloom Deep Blue
Calibrachoa Kabloom White
Calibrachoa Kabloom Yellow
French Marigold Hot Pak Flame
French Marigold Hot Pak Gold
French Marigold Hot Pak Harmony
French Marigold Hot Pak Orange
French Marigold Hot Pak Spry
French Marigold Hot Pak Yellow
Tagetes Fireball
Vinca Valiant Apricot
Vinca Valiant Burgundy
Vinca Valiant Lilac
Vinca Valiant Orchid
Vinca Valiant Punch
Vinca Valiant Pure White

U.S. PLANT VARIETY PROTECTIONS

Basil Sweet Dani Lemon - 9500027
Celosia Kosmo Vanilla - 200400021
Celosia Kosmo Pink - 200400022
Coleus Kong® Red* - 200500015
Coleus Kong® Rose* - 200500017
Coleus Kong® Salmon Pink - 200900035
Erysimum Citrona® Orange - 200600167
Erysimum Citrona® Yellow - 200600168
Helenium Dakota Gold - 200600009
Lobelia Regatta Lilac Splash - 200600188
Lobelia Riviera Blue Splash - 9400206
Lobelia Riviera Lilac - 9300313
Matthiola Katz Ruby - 201200438
Myosotis Mon Amie Blue - 200800070
Pepper, Ornamental Black Pearl - 200500020
Pepper, Ornamental Medusa - 200000140
Vinca Jams 'N Jellies Blackberry - 201100526
Vinca Mediterranean Dark Red XP - 200900043
Vinca Mediterranean Hot Rose XP - 200900084
Vinca Mediterranean Peach XP - 200900080
Vinca Mediterranean Red XP - 200900081
Vinca Mediterranean Rose XP - 200900082
Vinca Mediterranean Strawberry XP - 200900083
Vinca Mediterranean White XP - 200900053
Vinca Mediterranean Lilac - 9800182
Vinca Pacifica Apricot XP - 9800181
Vinca Pacifica Burgundy Halo XP - 200700272
Vinca Pacifica Dark Red XP - 200600189
Vinca Pacifica Magenta Halo XP - 200500216
Vinca Pacifica Punch XP - 9400248
Vinca Pacifica Really Red XP - 200600190
Vinca Pacifica Rose Halo XP - 200500218
Zinnia Zahara® Coral Rose - 200700357
Zinnia Zahara® Fire - 201000090
Zinnia Zahara® Scarlet - 200700356
Zinnia Zahara® XL Fire - 201200484
Zinnia Zahara® XL Pink - 201200482
Zinnia Zahara® XL White - 201200485
Zinnia Zahara® XL Yellow - 201200483
* Bred By Sakata Seed Corporation

U.S. PLANT VARIETY PROTECTIONS APPLIED FOR

Zinnia Zahara® Cherry Improved
Zinnia Zahara® Raspberry
Zinnia Zahara® Red
Zinnia Zahara® Yellow Improved
Zinnia Zahara® White
Zinnia Double Zahara Cherry Improved
Zinnia Double Zahara Salmon Rose
Zinnia Double Zahara Yellow

EUROPEAN COMMUNITY PLANT VARIETY RIGHTS

Begonia Dragon Wing® Pink - EU 10351
Celosia Bombay Bordeaux - EU 28163
Celosia Bombay Fivio - EU 28164
Celosia Bombay Green - EU 37645
Celosia Spring Green - EU 18737
Celosia Sunday Red - EU 28165
Echinacea PowWow® Wild Berry - EU 35233
Heuchera Melting Fire - EU 20557
Lavandula Lavance Purple - EU 17706
Scabiosa Blue Note - EU 27547

EUROPEAN COMMUNITY PLANT VARIETY RIGHTS APPLIED FOR

Calibrachoa Kabloom Deep Blue
Calibrachoa Kabloom White
Calibrachoa Kabloom Yellow
Lavandula Ellagance Pink
Saxifraga Rocco Red

CANADA PLANT BREEDERS' RIGHTS APPLIED FOR

Calibrachoa Kabloom Deep Blue
Calibrachoa Kabloom White
Calibrachoa Kabloom Yellow

EUROPEAN UTILITY PATENTS APPLIED FOR

Fuseables® Petunia Berry Bold
Fuseables® Petunia Blueberry Lime Jam
Fuseables® Petunia Lime Coral
Petunia Debonair Black Cherry
Petunia Debonair Dusty Rose
Petunia Debonair Lime Green
Petunia Sophistica® Antique Shades
Petunia Easy Wave® Berry Velour
Petunia Easy Wave® Burgundy Velour
Petunia Easy Wave® Red Velour
Petunia Sophistica® Blackberry
Petunia Sophistica® Lime Bicolor
Petunia Sophistica® Lime Green
Petunia Sophistica® Twilight
Petunia Tidal Wave® Red Velour

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PLANT PROTECTION

Many PanAmerican Seed and Kieft Seed varieties are protected by U.S. Patents and/or Plant Breeders' Rights in Europe and elsewhere. Find the complete protection information list on page 255.

CA PBRAF: Canada Plant Breeders' Rights Applied For

EU 10351, etc.: European Community Plant Variety Rights

EU PBRAF: European Community Plant Variety Rights Applied For

EU PAF: European Utility Patents Applied For

US 7,915,504, etc.: U.S. Utility Patents

PPAF, US PAF, PAF, US PAF: U.S. Patents Applied For

US PVP 9500027, etc.: U.S. Plant Variety Protections

US PVPAF: U.S. Plant Variety Protections Applied For

circle of life ecoindex

Reduce inputs to save money and grow sustainably. Look for the EcoIndex symbols on varieties throughout the catalogue.



Reduce Energy

Identifies products growers can finish successfully with a proven cool-grown, low-energy input program



Reduce Water

Identifies products that deliver superior performance in a landscape/consumer setting under a restricted watering regime



Reduce Chemicals

Identifies products which reduce or eliminate the need for costly and often hazardous chemicals



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