



2025
NEW VARIETIES

WORKING TOWARD THE FUTURE

At PanAmerican Seed, our team pushes the boundaries every day, seeking new solutions that will help our customers achieve **better performance** - both today and tomorrow. Through our **extensive breeding** and **trialing**, we strive to bring you **strong, innovative genetics** and **high-quality seed**.

For 2025, we've got exciting NEW products like **Dart™ Dianthus** that are 1 to 2 weeks earlier to flower, to help you speed to market first.

Titan-ium™ Vinca boosts disease protection in the landscape.

The first seed *Sedum spectabile* is a real breakthrough for growers who appreciate the flexibility of seed. With new lighthouse mixes in our **Beacon® Impatiens** series, and a new basil for the **Kitchen Minis™** line, you'll find solutions for all your programs to get started on a more successful and profitable season.

Visit panamseed.com for detailed information on our full product lineup and to make plans to grow your best!

MEET OUR COVER STARS!



Gigi Farr, PanAmerican Seed, Culture Research Technician
NEW Hula White Spreading Begonia



NEW Dart Purple Dianthus



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PERENNIALS



PRO LANDSCAPE PERFORMER

The varieties listed with this icon are plants that excel in professional landscape applications, no matter what challenges they face. Whether it's heat and humidity, drought or rain, these plants get the job done. Look for the Pro Landscape Performer icon for plants that will make you look good all season long.

Visit panamseed.com/landscape to find helpful plant lists and resources like:

- Find a Plant Supplier
- Plant Calculator
- Regional Plant Selector
- Build a Landscape Sell Sheet Tool

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WAVE



SPREADING PETUNIA ●*Petunia x hybrida***Easy Wave® Series F1**

Height: 6 to 12 in./15 to 30 cm
Spread: 30 to 39 in./76 to 99 cm
Flower size: 2 to 3 in./5 to 8 cm

Seed supplied as: Pelleted

Plug crop time: 4 to 6 weeks

Transplant to finish:

Spring 6 to 7 weeks,
 Summer 4 to 5 weeks

- Versatile Easy Wave offers simplified production, maximized plug yields and the ability to meet every ship date for every colour. It lets you grow specialty mixes, too!
- Mounded habit with controlled spread.
- Recommended in Wave branded packaging: premium 306 packs with handle, 4 to 6-in./10 to 15-cm pots and hanging baskets.

New Navy Velour Large, velvety, dark blue-purple-black flowers on plants with a slightly more upright vigour and more controlled, spreading habit than Burgundy Velour. 9.5 hours photoperiod. Cold durable.

New Rose A distinct colour between Pink Passion and Neon Rose. It has a spreading vigour similar to Pink Passion. Requires 9.5 hours photoperiod. Cold durable.

**NEW****Navy Velour** US 7,642,436**Bold and creative!**

You'll always stand out in the petunia market with Easy Wave. Bring in a wide array of decorator colours. Put their versatility to work - they're perfect for solo and mixed planters and baskets, gardens and landscapes. Best of all, these all-season salesmakers deliver customer-pleasing performance.

**NEW****Rose**



NEW

Rose Morn



NEW

Formula Mixture Improved

SPREADING PETUNIA ●

Petunia x hybrida

E3 Easy Wave® Series F1



Height: 6 to 12 in./15 to 30 cm

Spread: 25 to 32 in./64 to 81 cm

Flower size: 2.25 to 3 in./6 to 8 cm

Seed supplied as: Pelleted

Plug crop time: 4 to 6 weeks

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

- This Wave brand series is now available to fulfill sales earlier in the season.
- Flowers at or under 10 hours daylength.
- E3 Easy Wave offers simplified production, as it can be successfully grown at lower PGR rates than Easy Wave (except Blue).
- All E3 Easy Wave varieties have a similar, uniform plant structure and vigour, which means simplified plant management.
- Plant holding capabilities across the series mean better quality over a longer time period for an extended sales window.
- E3 Easy Wave fulfills the Wave brand promise of *easy spreading colour* with superior performance: a manageable spreading habit, long bloom time and sheer colour value!
- Mounding, spreading habit offers a three-dimensional landscape effect, creating impressive baskets and planters.
- Recommended in Wave branded packaging: premium 306 packs with handle, 4 to 6-in./10 to 15-cm pots and hanging baskets.

New Rose Morn Requires 9.5 hours daylength. Features a consistent rose pink bloom with a white center. Well-branched and dense with a slightly more upright plant structure. Holds well and is cold durable.

New Formula Mixture Improved Features all colours in the series, including Yellow and NEW Rose Morn.

New Peppermint Mixture This mix of red and white blooms has uniform timing, so both colours are visible at point-of-sale.

New Red White and Blue Mixture Consistently retail-ready in baskets, bowls and flats due to the uniform plant structure and flowering time across the three colours.

Wake up early season sales!

At 10 hours daylength, E3 Easy Wave will be ready at retail to kick off petunia sales even earlier! With a manageable, uniform plant structure and vigour, the series offers simple production to save on labour costs. The plants can be grown at lower PGR rates than Easy Wave®, so we say it's 'Extra Easy' Wave! The plants stay full and lush longer at retail for increased sell-through and the eye-catching appeal consumers expect from the Wave® program.



NEW
Peppermint Mixture

It's **E**arly, it's **E**fficient, it's the **E**volution of Easy Wave... it's **E3!**



NEW
Red White and Blue Mixture

ANNUALS



Hula™ BEGONIA

SPREADING BEGONIA ●●
Begonia interspecific

Hula™ Series F1



Height: 6 to 10 in./15 to 25 cm
Spread: 20 to 27 in./51 to 69 cm
Flower size:
0.5 to 1.5 in./1 to 4 cm

Seed supplied as: Pelleted

Plug crop time: 6 to 8 weeks

Transplant to finish:
5 to 7 weeks for Spring timing

- Hula is a unique spreading type of begonia that is highly branched and covered with flowers.
- Its trailing habit is perfect for baskets and containers.
- Provides an instant performance advantage for landscapers, with masses of flowers showing on top.
- The series is daylength neutral and it is the earliest interspecific begonia to flower, with timing similar to BabyWing®.
- The high number of flowers provides great colour impact.
- Hula starts to spread at an early stage, providing growers with an attractive, salable plant in both hanging baskets and smaller pot sizes.

New White The prototype for the series. Features huge amounts of large flowers for big colour impact.



NEW

White



NEW

White



NEW

White

Complete your begonia program!

Hula Spreading Begonia is fast to fill in landscape beds, creating a blanket of high-impact colour! Hula looks amazing in hanging baskets and mixed containers, providing an opportunity to offer a more premium product.



NEW

Pink Magician



NEW

Purple



NEW

Red White Picotee

DIANTHUS ●
Dianthus barbatus

New Dart™ Series F1

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

Seed supplied as: Pelleted

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

Spring/late Spring 9 to 11 weeks, late Summer/Autumn 5 to 7 weeks (outdoors)

- This new series doesn't require heat for production, compared to other Spring products.
- Naturally fits in more pot sizes with fewer to no PGRs, and more plants can be grown per ft²/m² compared to other varieties.
- More layers can be transported on a rack due to the compact habit.
- Dart shows much more colour at retail compared to competing series, and has the potential for more blooming.
- Suitable for both small (4 in./13 cm, 6 in./15 cm, quarts) and larger (8 in./19 cm, gallon, 2 gallon) pots.
- Fits nicely into retail programs due to its versatility in all pot sizes and a uniform flowering window for all colours except Scarlet, which is 1 week later to flower.

New Pink Magician

Faster, more compact and shows more colour at retail than competing varieties. Its multicolour blooms show even stronger under higher light intensity.

New Purple Slightly more vigorous than others in the series. Faster to flower, shows more colour and has a more vigorous plant habit than competing varieties.

New Red White Picotee Shows more colour, is earlier to flower and has a more vigorous plant habit than the leading red picotee.

New Scarlet Variety is 1 week later to flower compared to others in the series.

New White Earlier to flower with a better plant habit and more colour showing at retail than the competing white.

Score first with Dart

It's your turn to win with the NEW Dart Series. Save money on crop time, heating, chemical use and space in the greenhouse. Dart is 1 to 2 weeks earlier than the competition, with no heat required for production. And, it requires fewer to no PGRs to fit in a range of pots sizes, saving growing space as well as making shipping easier. With retail-ready colour and better blooming potential, Dart will be the series to beat at retail, decreasing costs and increasing sales!



NEW

Scarlet



NEW

White

BEACON®

IMPATIENS

SHINE A LIGHT ON COLOUR FOR THE SHADE WITH MORE NEW LIGHTHOUSE MIXES

Along with an improved core colour, we're introducing two **NEW 3-colour Beacon mixes** named after well-known lighthouses in locations where Impatiens downy mildew has been a significant problem. These have been trialed and approved to **grow well together** and look vibrant in the shade, and they offer **high resistance** to the widely prevalent populations of *Plasmopara destructor*, the cause of Impatiens downy mildew. These mixes are suitable for packs, pots, hanging baskets and in-ground beds. Visit beaconimpatiens.com for more details on the Beacon story.



NEW

Coral Improved US 11,166,424; US 10,285,362; EU PAF

IMPATIENS 
Impatiens walleriana

Beacon® Series F1



Height: 14 to 18 in./36 to 46 cm
Spread: 12 to 14 in./30 to 36 cm

Seed supplied as: Coated

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

- Exhibits high resistance to the widely prevalent populations of *Plasmopara destructor*, which cause Impatiens downy mildew (IDM).
- Offers the opportunity to bring back into production a well-known, in-demand, easy-to-grow and versatile product for increased sales.
- Extensive trialing has proven that Beacon impatiens provides genetic high resistance to IDM. Beacon is not immune to IDM; there are scenarios where preventative IDM fungicides may be recommended.
- Easy to incorporate into production planning.
- Fast-filling, season-long colour for gardens and landscapes.

New Coral Improved

Upgraded for more branching and a denser plant habit with larger, rounder flowers and a brighter, clearer flower colour compared to original Coral.

New Chicago Mixture

Includes Violet Shades, White and a future introduction, Blue Pearl. Violet Shades pulls out the dark violet eye in the experimental Blue Pearl. This mix is named for the Chicago Harbor Lighthouse.

New Otway Mixture Includes Lipstick, Rose and a future introduction, Light Pink. Features clear bright colours and a uniform plant habit. This mix is named after the Cape Otway Lighthouse in Victoria, Australia.



NEW

Chicago Mixture

US 10,285,362; US 11,166,424; EU PAF

Chicago Harbor Lighthouse
Chicago, Illinois

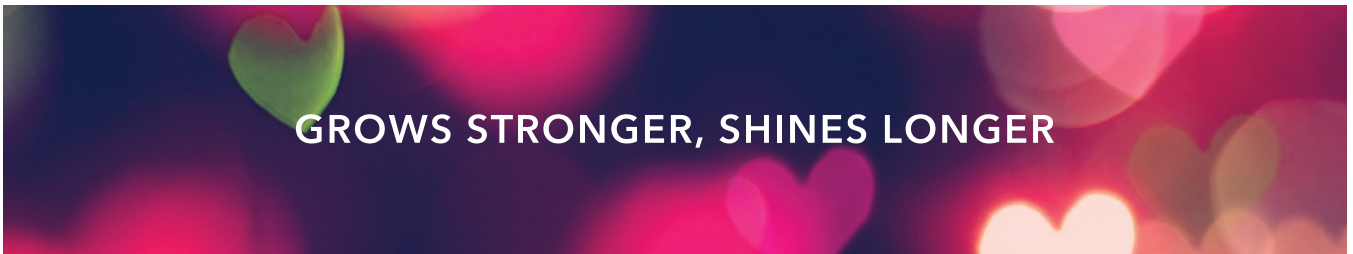


NEW

Otway Mixture

US 10,285,362; US 11,166,424; EU PAF

Cape Otway Lighthouse
Victoria, Australia



GROWS STRONGER, SHINES LONGER



NEW

White Pearl



**INTERSPECIFIC
IMPATIENS** 
Impatiens hybrida

Solarscape® Series F1



Height: 9 to 11 in./23 to 28 cm
Spread: 15 to 20 in./38 to 51 cm
Flower size:
2.5 to 2.75 in./6 to 7 cm

Seed supplied as: Raw

Plug crop time:
(288) 4 to 5 weeks,
(128) 5 to 6 weeks
Transplant to finish: 7 to 10 weeks

- Great low-maintenance plant provides high-impact colour in full-sun spaces, whether in the ground or in containers.
- The first interspecific impatiens series from seed offers growers the flexibility of an input that is available all year round, making scheduling a breeze.
- Seed-propagated Solarscape provides the same garden performance as vegetative interspecific impatiens without the royalties! Perfect for opening-price-point, non-branded programs at retail.
- Offers landscape growers a non-branded, cost-efficient alternative.
- Blooms have tropical appeal, with a satiny texture in vibrant, glowing hues.

New White Pearl
Replaces White Shimmer, offering improved plant uniformity and a clean white, non-blushing colour with a small eye.



Solarscape demonstrates excellent performance in full-sun landscapes.

Impatiens landscapers love

Solarscape seed-propagated interspecific impatiens provides unbeatable colour in full-sun garden beds and containers. Durable Solarscape performs just like vegetative varieties with the flexibility of seed. Landscape growers will appreciate this option to fulfill non-branded needs that grow strong in the sun!

Solarscape® XL Series F1



Height: 11 to 13 in./28 to 33 cm

Spread: 18 to 20 in./46 to 51 cm

Flower size:

2.5 to 2.75 in./6 to 7 cm

Seed supplied as: Raw

Plug crop time:

(288) 4 to 5 weeks,

(128) 5 to 6 weeks

Transplant to finish: 7 to 10 weeks

- XL plant height averages about 20% larger than standard Solarscape.

New Lilac Spark Features large blue and pink flowers with a unique bicolour pattern.

New Pink Jewel Brings a vivid pink colour and large flower size with a larger plant habit. This variety expands the colour options in the XL plant size.



NEW

Lilac Spark



NEW

Pink Jewel





NEW

Hawaii Sunset Mixture



NEW

Hawaii Sunset Mixture

OSTEOSPERMUM ●
Osteospermum ecklonis

Akila® Series F1

Height: 10 to 14 in./25 to 36 cm
Spread: 14 to 20 in./36 to 51 cm
Flower size: 2 to 3 in./5 to 8 cm

Seed supplied as: Raw

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

- Sow easy, so awesome!
- The most compact seed series matches or surpasses any vegetative series for easy, no-pinch production; terrific uniformity and top-selling colours.
- Delivers 5% higher germination than competitors for higher yields - it's the best seed-grown osteo for both habit and seed quality.
- 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 across the Akila series and no vernalisation is needed.
- Full, well-branched plants are drought tolerant once established.

New Hawaii Sunset Mixture
New, exciting segregating mix has vibrant bicolours, including yellow/gold with a pink centre, orange/bronze with a pink/purple centre, rose/mauve with a purple centre and bronze/scarlet with a purple centre. Flower timing is similar to Lavender and Purple, and habit is most similar to White.

VIOLA *Viola cornuta***Sorbet® Series F1****Height:** 6 to 8 in./15 to 20 cm**Spread:** 6 to 8 in./15 to 20 cm**Flower size:** 1 to 1.5 in./3 to 4 cm**Seed supplied as:** Raw, Primed**Plug crop time:** 4.5 to 5 weeks**Transplant to finish:**

Early Spring 6 to 9 weeks,

Autumn 4 to 6 weeks

- Plants cover the soil at flowering with more blooms and less stretching, and fewer PGRs are needed.
- Superior holdability and less shrink.
- Use in Autumn and Spring programs - the novelty colours have good retail and home garden appeal.

New Yellow Beacon A popular colour for Spring joins the series.

Sorbet® XP Series F1

PRO LANDSCAPE
PERFORMER

Height: 6 to 8 in./15 to 20 cm**Spread:** 6 to 8 in./15 to 20 cm**Flower size:** 1 to 1.5 in./3 to 4 cm**Plug crop time:** 4.5 to 5 weeks**Transplant to finish:**

Early Spring 6 to 8 weeks,

Autumn 4 to 5 weeks

- Sorbet XP needs fewer PGRs, with superior holdability and less shrink.
- F1 vigour assures greater germination, earliness, and excellent plug and garden performance.
- Violas are a key pro landscaper item and Sorbet XP excels at every turn: plants cover the soil at flowering, with more blooms on every plant and less stretching; stay compact in both heat and cold; excellent overwintering; wide range of clear colours allows for custom mixes.
- Well-suited to Spring and Autumn packs and 3.5-in./9-cm pots.

New White Blotch Improved

Features larger flowers with a larger blotch. Times on the early side of the series, with improved flower quality.



NEW
Sorbet Yellow Beacon



NEW
Sorbet XP White Blotch Improved



NEW

Dark Red US 10,212,908

VINCA ●

Catharanthus roseus

New Titan-ium™ Series F1

Height: 14 to 16 in./36 to 41 cm
Spread: 10 to 12 in./25 to 30 cm

Seed supplied as: Raw

Plug crop time: 5 weeks

Transplant to finish: 3 to 4 weeks

- Everything you love about Vinca Titan with added disease resistance to some strains of aerial *Phytophthora*.
- Features high resistance to some strains of aerial *Phytophthora* as proven by extensive bioassay analyses. It is not immune to the disease; therefore, in some scenarios, preventative measures are still recommended.
- The series has a 5-day flowering window, with some colours flowering earlier than the leading varieties by 10-14 days!

New Punch The shade of Punch is a little more red than Titan Punch.

New White White is the most vigorous of the series.

New Mixture Contains all the series colours.



NEW

Mixture US 10,212,908



NEW

Apricot, Really Red and Polka Dot US 10,212,908

Added security

Get the fast flowering, superior branching and big flowers of Titan™ Vinca, with the extra protection of aerial *Phytophthora* resistance in NEW Titan-ium! With its tight flowering window and blooms in a full range of top-selling colours, Titan-ium will get your vinca program started earlier and stronger!



NEW

Apricot US 10,212,908



NEW

Blush US 10,212,908



NEW

Really Red US 10,212,908



NEW

Polka Dot



NEW

White US 10,212,908



NEW

Punch US 10,212,908

PERENNIALS



KieftSeedTM

**SEDUM**

*Hylotelephium (Sedum)
spectabile*

New Spectacular

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

USDA Hardiness Zones:
3b to 9a (-35 to 20°F/-37 to -7°C
minimum temperatures)

Seed supplied as:
Multi-Seed Pellets

Plug crop time: 7 to 8 weeks,
128 to 180 tray; 8 to 9 weeks,
72 to 84 tray

Transplant to finish:
10 to 21 weeks subject
to season and forcing

Available in North America only.

- The first seed alternative to vegetative *Sedum spectabile!*
- Offers good plug quality, seeding uniformity and a convenient, multi-pellet seed product form.
- Supply is more programmable and flexible when starting from seed compared to vegetative cuttings.
- Medium-sized flowerheads and shorter stems do not easily break or fall open.
- It offers less shrink in a more saleable output.
- Bright chartreuse-green leaves light up patios and landscapes.

Seed sedum breakthrough

NEW Spectacular is the first seed alternative to vegetative *S. spectabile!* Compared to the leading vegetative varieties, Spectacular has a more compact habit and sturdy flowerheads. Stronger stems and less breakage make this sedum "spectacular" for smaller pots, patio containers and landscapes.



NEW
Spectacular

POTTED PLANTS



GERBERA 

Gerbera jamesonii

ColorBloom™ Series F1

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

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

Flower size: 3 to 4 in./8 to 10 cm

Seed supplied as: Coated

Plug crop time: 6 to 7 weeks

Transplant to finish: 6 to 10 weeks

- The ColorBloom series is specially designed for the quart/11-cm retail market.
- ColorBloom is the most uniform series on the market, with the best performance for consumers.
- The series is around 10 days faster to flower than competitors.
- More uniform with a shorter flower window.
- It has a higher amount of usable plants due to better seed quality.
- Offers a compact plant habit that requires less to no PGRs.
- Series holds its colour better and won't fade in high light.

New Yellow with Light Eye

Slightly taller plants have bigger flowers than others in the series.

Stays tidy for smaller pots

ColorBloom stays compact, so it won't get too full or leafy, allowing the colourful blooms to show through in quarts/11-cm pots. Faster to flower by around 10 days, ColorBloom beats the competition to market. First-time plant buyers will love the exciting, non-fading colours and easy care of this indoor/outdoor plant.



NEW
Yellow with Light Eye



NEW
Yellow with Light Eye



NEW

Acapulco XP Dark Orange, Yellow and Red



NEW

Acapulco XP Multicolor Orange



Repositioned Acapulco XP Multicolor Red (formerly Acapulco Multicolor)



NEW

Acapulco XP Purple



NEW
Acapulco XP Mix



NEW
Salsa XP Yellow Improved



NEW
Santos Red

ORNAMENTAL PEPPER (INDOOR/OUTDOOR PEPPER) 🌱

Capsicum annuum

Seed supplied as: Raw

- Unique assortment is bred for shorter production times.
- Compact growth means no PGRs are needed.
- Good retail shelf life.
- Excellent indoor/outdoor performance.

Ornamental Peppers						
Variety	Fruit colour	Plug crop time (weeks)	Potting to sale (weeks)	Pot size	Fruit size	Height
New Acapulco™ XP Series	Dark Orange, Multicolor Orange, Repositioned Multicolor Red, Purple, Red, Yellow, Mix	3-4	12-13	4.25 x 5 in./11-13 cm 3 ppp: 6.5-8 in./17-20 cm	0.5 x 1.5 in./1.5 x 4 cm	6 in./15 cm
Salsa XP Series	New Yellow Improved	3-4	12-13	2.25-4.25 in./6-11 cm	0.3 x 1 in./1 x 3 cm	4 in./10 cm
Santos Series	New Red	3-4	12-13	4-4.5 in./10-12 cm 3 ppp: 6.5-7.5 in./17-19 cm	0.3 x 2 in./1 x 5 cm	6 in./15 cm

CUT FLOWERS



BloomStudios®

CELOSIA*Celosia plumosa***Sunday™ Series****Form Supplied As:** Pelleted**Cultivation Type:**

Greenhouse, High Tunnel, Field

Planting Density:

64 to 80 plants/sq. metre

(6 to 8 plants/sq. foot).

Usage: Secondary**Stem Length:**

28 to 40 in./71 to 102 cm

First professional cut version of the popular plume-shaped 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. Excellent vase life.

Harvest Recommendation:

Harvest stems as plume is 90-100% developed.

Post-Harvest Recommendation:

Strip 50-75% foliage. Use distilled water; no need for hydration or holding solutions. Avoid cold storage if possible.

Vase Life Recommendation:

7-14 days

New Bright Orange

Provides a bright pop of colour.

**NEW****Bright Orange**



NEW

Gold Improved



NEW

Green

CELOSIA ●
Celosia cristata

Neo™ Series

Form Supplied As: Pelleted

Cultivation Type: Greenhouse, High Tunnel

Planting Density: 64 to 80 plants/sq. metre (6 to 8 plants/sq. foot).

Usage: Secondary

Stem Length: 28 to 40 in./71 to 102 cm

With Neo, you can grow over a longer period through the year and yield more usable stems from every sq. foot/sq. meter. Ship out better quality *C. cristata* and give florists a product that's easier to arrange and easier to sell. Less long-day sensitive, making it easier to produce over a longer period during the year for most growers. Features unique colours and a much better leaf habit. Easier to work with for bouquets or flower arrangements due to its smaller leaves.

Harvest Recommendation:

Harvest stems as crest is almost completely full.

Post-Harvest Recommendation:

Strip 50-75% foliage. Use distilled water; no need for hydration or holding solutions. Avoid cold storage if possible.

Vase Life Recommendation:

7-14 days

Grow your margin, grow your sales

Neo lets you grow over a longer period through the year and yield more usable stems from every sq. metre/sq. foot. Ship out better quality *C. cristata* and give florists a product that's easier to arrange and easier to sell. Less long-day sensitive, making it easier to produce over a longer period during the year for most growers. Features unique colours and a much better leaf habit. Easier to work with for bouquets or flower arrangements due to smaller leaves



NEW

Red Improved

VEGETABLES & HERBS



NO GARDEN?
NO PROBLEM.

BASIL ●*Ocimum basilicum***New Bonsai****Height:** 6 to 12 in./15 to 30 cm**Spread:** 6 to 12 in./15 to 30 cm**Seed supplied as:** Raw**Herb Type:** Greek**Colour:** Medium Green**Suited For:** Pot**Plug crop time (weeks):** 3-4**Potting to sale (weeks):** 3-4**Pot size:** 4-6 in./10-15 cm

- A compact, quick and uniform fine-leaf basil that performs well.
- It is also the first herb addition to the Kitchen Minis™ line, diversifying the product assortment.

BUY. EAT. REPEAT!

The Kitchen Minis™ collection includes potted vegetable plants consumers can grow inside on a sunny windowsill or counter, without a garden! They can also be grown outside as tabletop patio varieties. Easy-to-grow Kitchen Minis encourage consumers to harvest and enjoy their own homegrown indoor vegetables, with a fresh harvest over a few weeks!

**NEW****Bonsai**

VEGETABLES & HERBS



HandPicked
VEGETABLES®

BASIL ●*Ocimum basilicum***New Everleaf Lemon****Height:** 24 to 36 in./61 to 91 cm**Spread:** 8 to 12 in./20 to 30 cm**Seed supplied as:** Raw**Herb Type:** Lemon**Colour:** Green**Plant Habit:** Highly branched, late flowering, short internodes, upright, vigorous**Suited For:** Extended harvest multiple cuts, pot**Plug crop time (weeks):** 3-4**Potting to sale (weeks):** 3-4**Pot size:** 4-6 in./10-15 cm**Days to maturity from****direct seed:** 45-60**Days to maturity from transplant:**

30-45

Production Method:

Field, In-ground, Container

- The first lemon basil bred for season-long harvests.
- Flowers up to 8 weeks later than standard lemon basil.
- This upright variety has short internodes and delivers an abundant harvest from each plant.
- Lemon flavour makes a delicious addition to dressings and marinades.



NEW

Everleaf Lemon Basil

TOMATO ●*Solanum lycopersicum***New WonderStar Red F1****Height:** 18 to 24 in./46 to 61 cm**Spread:** 24 to 36 in./61 to 91 cm**Seed supplied as:** Raw**Tomato Class:** Large-Fruited**Type:** Beefsteak**Habit:** Determinate**Tomato Colour:** Bright red**Fruit Characteristics:**

Oblate, pleated

Fruit Size: 2.5 in./6 cm long x 3.25 in./8 cm wide, 14.1-17.2 lb. (6.4-7.8 kg)**Disease Resistance:**

HR: F1, LB, SLS, V

Days to maturity from transplant:

60-65

Production Method:

Field, Protected Culture

- Flavourful, ribbed beefsteak fruit is tasty for fresh eating on sandwiches and salads, and incorporated into cooked dishes.
- Plants produce early-maturing, bright red fruit with excellent flavour.



NEW

WonderStar Red Tomato



THE AMERICAS



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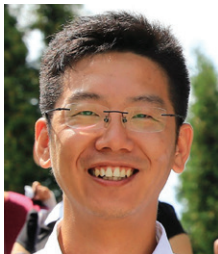
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**THE PANAMERICAN SEED TEAM
IS HERE TO HELP!**



NEW YEAR, NEW TOOLS, NEW INSPIRED SOLUTIONS!

This year, we have created more time, cost and labour-saving solutions to help you work better and smarter. Here is a list of new and improved resources you'll want to take advantage of for the upcoming season. For more details, see the "**Inspired Solutions**" page at panamseed.com.

We are excited to unveil our newly refreshed website, where you'll find more to explore, such as:

- Shortcuts to quickly access timely news and information.
- Regional recommendations from our experts across the globe.
- Easier product searching that is more user friendly.
- Fast photo library access.
- Enhanced grower scheduling tools.
- Streamlined navigation with greater accessibility.

You'll also find your favorites from the existing site:

- Culture guides
- Seed storage sheets
- Benchcards
- Consumer POP
- Grower calendar
- Tons of product information

Landscape Products for Professionals

We've gathered a collection of products that provide lasting colour and performance for landscaping professionals.



The NEW So Fast. Grow Fast.™ Program

Keep your benches full and increase sales with these fast-finishing products.

Calculated Combos™

You can create your own combo just by using our Calculated Combos tool to put together the ideal genus, season, lighting and soil conditions!

Perennial Scheduling Made Easy

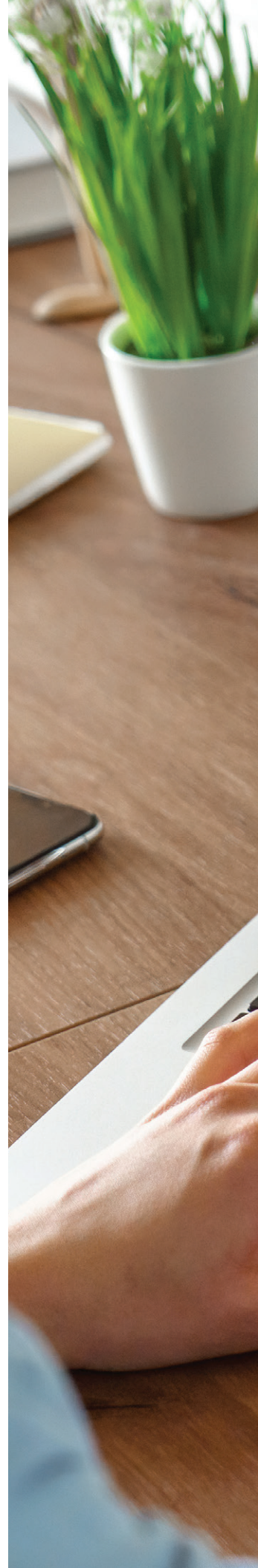
Scheduling perennials to bloom when you are ready to ship has gotten easier with the First-Year-Flowering Tool! It has information on dozens of perennials and does the work of planning for you!

Smart Scheduling

Use this estimator to plan the finish times for your **Wave**® and **Kitchen Minis**™ crops.



Explore these
exciting tools now!



See It Now: Our Latest catalogue is here! Browse our newest products.

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Learn more about the NEW PanAmerican website.



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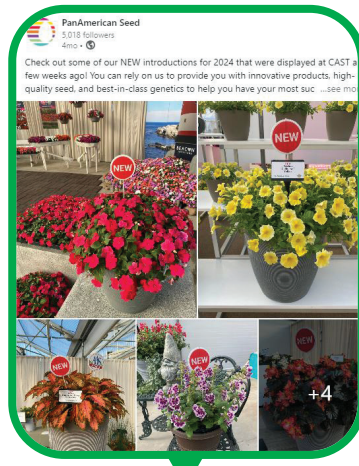


IPM 2022
See you there!



Trending
Save energy with PanAm products.





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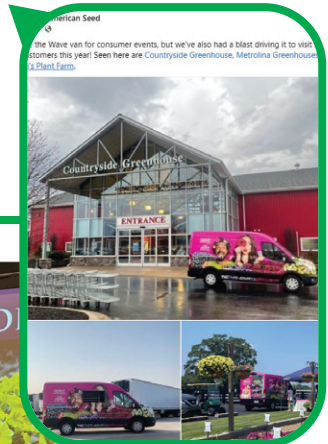
KEEPING IN TOUCH



panamseed.com



In addition to the helpful tools on our website, you can find us on social media with all the latest tips and tricks, real-life experiences and how-to videos. Follow us to be a part of the growing community!



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 in 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 the 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 can be seen on your Order Confirmation or at the appropriate Terms & Conditions page at panamseed.com for North American, European and International credit-approved customers. A 2% per month finance charge (24% 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. PanAmerican Seed Company is a division of Ball Horticultural Company, an Illinois corporation in the USA. PanAmerican Seed Europe B.V. is a Dutch company owned 100% by Ball Horticultural B.V., which is 100% owned by Ball Horticultural Company.

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. Bulk quantities of items within a series cannot be combined to reach the minimum amount. Special packaging requests can be for any quantity as long as the minimum bulk requirement is met.

ORDER CHANGES

While order changes can be accommodated, there could be an impact to the delivery date. Please contact your customer service representative to discuss the implications of any order changes prior to submission.

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. Special packaging requests must be at or above the Minimum Order requirements. 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.

CUSTOM SEED TREATMENTS

If a custom treatment is requested, a \$25 (U.S. Dollars) fee per batch will apply and additional time may be needed to complete the order.

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 shipments. 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 the United States 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:

PanAmerican Seed
Attn: Returns
622 Town Road
West Chicago, Illinois USA 60185-2698

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.

USE RESTRICTION

Merchandise is not intended for sale to large-scale commercial growers of herbs or vegetables. Use, transfer and/or acquisition of merchandise constitutes acceptance of a limited right to use the merchandise solely to grow a single crop for food, feed, processing or ornamental purposes. No other use is permitted. Any transfer of merchandise must be accompanied by this use restriction.

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

* denotes a U.S. registered trademark and TM denotes a trademark of Ball Horticultural Company, unless otherwise indicated.

SALE LIMITATIONS

EXPORT CONTROL
PANAMERICAN SEED PRODUCTS ARE NOT AVAILABLE FOR SALE IN AND MAY NOT BE RESOLD INTO AUSTRALIA, NEW ZEALAND, KOREA, BRAZIL AND SOUTH AFRICA.

U.S., EU, OR U.N. SANCTIONS PROGRAMS

THE BUYER IS PROHIBITED TO SELL, DIVERT, TRANSFER, TRANSACT, OR RE-EXPORT, DIRECTLY OR INDIRECTLY, TO ANY INDIVIDUAL, ENTITY, OR DESTINATION SUBJECT TO U.S., EU, AND U.N. SANCTIONS PROGRAMS (I.E., NORTH KOREA, IRAN, CUBA, SYRIA, AND CRIMEA REGION OF UKRAINE). THIS INCLUDES, BUT IS NOT LIMITED TO, THE UNITED STATES DEPARTMENT OF TREASURY'S OFFICE OF FOREIGN ASSETS CONTROL (OFAC) SANCTIONS AND THOSE LISTED ON THE OFAC SPECIALLY DESIGNATED NATIONALS (SDN) LIST.

GLOBAL ANTI-CORRUPTION POLICY

EACH PARTY AGREES TO COMPLY WITH ALL APPLICABLE LAWS COVERING BRIBERY, ANTI-CORRUPTION, AND MONEY LAUNDERING IN ALL COUNTRIES IN WHICH THE COMPANY DOES BUSINESS OR OPERATES. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOREIGN CORRUPT PRACTICES ACT (FCPA), UNDER WHICH IT IS UNLAWFUL TO OFFER, PAY, OR PROMISE TO PAY MONEY OR ANYTHING OF VALUE TO ANY FOREIGN OFFICIAL TO OBTAIN OR RETAIN BUSINESS.

IMAGES

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panamseed.com makes it easier for you to grow

Contact your preferred supplier to order
PanAmerican Seed products.

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The Netherlands: +31 (0) 228-541-844

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Wide assortment
for you and
your customers.



RELIABILITY
to keep your
business going.



QUALITY
you can rely on.



AVAILABILITY
when you need it.



SUPPORT
from our customer
service and
technical teams.

2025 NEW VARIETIES INSIDE!



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Please recycle when no longer needed or pass along to a colleague.

