PanAmerican Seed

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. Titanium™ 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
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
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.

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.
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.

It’s Early, it’s Efficient, it’s the Evolution of Easy Wave… it’s E3!
**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.

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**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.

Find product & growing info at panamseed.com / SPREADING BEGONIA
**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.

**Request your Product Information Guide for full culture details**
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!

Find product & growing info at panamseed.com / DIANTHUS
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
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

Find product & growing info at panamseed.com / IMPATIENS 13
**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 bicourlor 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.

Find product & growing info at panamseed.com / IMPATIENS
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 bicollours, 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**

- 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 Titan-iüm™ 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.

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-iüm! With its tight flowering window and blooms in a full range of top-selling colours, Titan-iüm 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
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.
POTTED PLANTS
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.

**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.

Find product & growing info at panamseed.com / GERBERA
Acapulco XP Dark Orange, Yellow and Red

Acapulco XP Multicolor Orange

Repositioned Acapulco XP Multicolor Red (formerly Acapulco Multicolor)

Acapulco XP Purple

POTTED PLANTS / ACAPULCO XP

ORNAMENTAL PEPPER / Request your Product Information Guide for full culture details
**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

<table>
<thead>
<tr>
<th>Variety</th>
<th>Fruit colour</th>
<th>Plug crop time (weeks)</th>
<th>Potting to sale (weeks)</th>
<th>Pot size</th>
<th>Fruit size</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New Acapulco™ XP Series</strong></td>
<td>Dark Orange, Multicolor Orange, Repositioned Multicolor Red, Purple, Red, Yellow, Mix</td>
<td>3-4</td>
<td>12-13</td>
<td>4.25 x 5 in./11-13 cm</td>
<td>0.5 x 1.5 in./1.5 x 4 cm</td>
<td>6 in./15 cm</td>
</tr>
<tr>
<td><strong>Salsa XP Series</strong></td>
<td><strong>New</strong> Yellow Improved</td>
<td>3-4</td>
<td>12-13</td>
<td>2.25-4.25 in./6-11 cm</td>
<td>0.3 x 1 in./1 x 3 cm</td>
<td>4 in./10 cm</td>
</tr>
<tr>
<td><strong>Santos Series</strong></td>
<td><strong>New</strong> Red</td>
<td>3-4</td>
<td>12-13</td>
<td>4.5 in./10-12 cm</td>
<td>0.3 x 2 in./1 x 5 cm</td>
<td>6 in./15 cm</td>
</tr>
</tbody>
</table>
**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.

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NEW  
Bright Orange
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.

Red Improved

Find product & growing info at panamseed.com / CELOSIA 29
VEGETABLES & HERBS

Kitchen MINIS®

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.

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**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!
VEGETABLES & HERBS
**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 basils.  
- This upright variety has short internodes and delivers an abundant harvest from each plant.  
- Lemon flavour makes a delicious addition to dressings and marinades.

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

Find product & growing info at panamseed.com / SALES & CUSTOMER SERVICE

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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!
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!

panamseed.com
ACCEPTANCE OF TERMS
These terms and conditions shall govern orders for Goods placed with Seller. Purchaser acknowledges that these terms and conditions are a material part of any order. No prior agreements or representations by any prior or contemporaneous promises or writings or representations whether oral or written or created in the custom, usage or course of dealing are effective unless in writing signed by Seller. Placement of the order shall constitute acceptance of these terms and conditions. All orders are subject to acceptance by Seller at its corporate office or at the discretion of any authorized representatives in any documents from Purchaser are objected to and rejected, are deemed to modify or alter these terms, and will not become part of any contract between Seller and Purchaser.

PRICING
Prices are subject to change without notice. Although Seller tries to assure accuracy, it shall not be held responsible for any typographical errors in the price list. Purchaser’s price is determined by referring to the product price sheet and delivery charges applicable in the currency in 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. 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 Company, 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. The minimum order is 100 pieces. Orders equal to or below the minimum order size will be charged a minimum packaging fee of $25.00 (Minimum). This includes all types of packaging, unless otherwise noted. Special packaging requests can be for any quantity as long as the minimum amount. Special packaging requests must be written and signed by the carrier’s representative and must include the quantity, description, and address. Special packaging requests will be effective unless in writing signed by Seller. Placement of the order shall constitute acceptance of these terms and conditions. All orders are subject to acceptance by Seller at our corporate office or at the discretion of any authorized representatives in any documents from Purchaser are objected to and rejected, are deemed to modify or alter these terms, and will not become part of any contract between Seller and Purchaser.

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 not be responsible for any additional freight charges for replacement Goods or provide Purchaser with a credit for damaged Goods. The following steps should be followed if any damages are suspected as shown in (b) below are followed. PURCHASER WILL NOT REFUSE TO RECEIVE DAMAGED OR DEFECTIVE GOODS, OR THE RIGHT TO FILE A CLAIM IS LOST AND PURCHASER WILL NOT BE RESPONSIBLE FOR THE MATERIAL AND THE FREIGHT.
(b) If Purchaser receives shipment, it shall immediately: (1) inspect all cartons for external damage; (2) inspect all cartons for external damage; (3) check for open or resealed cartons; (4) note any damaged open or resealed cartons on the delivery receipt; (5) open all boxes immediately and inspect for damage, including but not limited to damaged cartons; (6) PURCHASER MUST NOTIFY SELLER WITHIN TWO (2) BUSINESS DAYS IF ANY DAMAGE IS DISCOVERED BY CALLING its Customer Service Representative to report the damage and receive details on what will be needed to file a claim. Goods shall be deemed accepted by the Purchaser on the earlier of: (a) 60 days from acceptance to Seller, or (b) (ten) 10 days after delivery. Any claims for shortage, non-delivery, damage or defects which would reasonably be discoverable in the course of such inspection shall be void unless Purchaser notifies Seller in writing within ten (10) days after delivery of the Goods to which the claim relates.

PACKAGING FEES
All packaging will be filled in bulk and/or predetermined packet sizes unless special packaging instructions are given. Special packaging requests will 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. Packaging fees are non-refundable.

PHYSIOSANITARY CERTIFICATES CHARGE
Depending on the Goods ordered by Purchaser, and the location of the Purchaser, Physiosanitary Certificates may require additional cost to be charged. These fees may vary from shipment to shipment and may be required to comply with government regulations. If the shipment requires Physiosanitary Certificates, an additional cost will be charged.

DELIVERY DATES
Please indicate the requested 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 completing the contract hereunder if such delay or failure is due to explosion, flood, Act of war, civil commotion, strike, 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 new, unused, opened Seller packages. All returns are subject to a 15% service charge. No credit or replacement will be given for Goods returned after (9) months from the ship date.

Seeds are sorted, packaged, and counted to determine the quantity of each variety packed and shipped. Seed counts may also vary between lots due to natural variations in the seeds. All seed counts given are approximate quantities due to variation based on a lot by lot comparison. Seed counts may also vary between different lot 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
Purchaser will have a limited right to use the seed sold and disclaims any liability relating to such diseases, whether previously known to exist or not identified until such seed is grown.

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 reasonable tolerances. The FOLLOWING WARRANTIES ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES AND REPRESENTATIONS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NONINFRINGEMENT.

LIMITATION OF REMEDY
Seller’s sole and exclusive REMEDY SHALL BE REFUND 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 INCURRED BY PURCHASER, BUT NOT LIMITED TO LOSS OF PROFITS OR REVENUES.

USE RESTRICTION
Merchandise is not intended for sale to home-scale commercial growers of herbs or vegetables. Use, transfer and/or acquisition of merchandise constitutes acknowledgment 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

GLOBAL ANTI-CORRUPTION POLICY
EACH PARTY AGREES TO COMPLY WITH ALL APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO, BRIBERY, ANTI-CORRUPTION, AND MONY LAUNDERING IN ALL COUNTRIES IN WHICH THE COMPANY DOES BUSINESS OR OPERATES. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOREIGN CORRUPTION 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
High and low resolution digital images are available upon request. Please contact photography@panamseed.com or +1 (0) 630 562-7887.

TERMS & CONDITIONS OF SALE
The laws of the State of Illinois, including but not limited to the Uniform Commercial Code, shall apply to all matters arising out of or relating to Seller’s sale of merchandise. ANY DISPUTE NOT SUBJECT TO MANDATORY ARBITRATION HEREUNDER SHALL BE MAINTAINED IN THE STATE COURTS LOCATED IN DUPAGE OR COOK COUNTIES, ILLINOIS, AND PURCHASER SUBMITS TO THE JURISDICTION 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 liability, 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 employee or agents, or (ii) who were not notified by Purchaser in writing of Limited Rights and Limited Use hereunder.

TRADEMARKS
® denotes a registered trademark and ™ denotes a trademark of Ball Horticultural Company, unless otherwise indicated.

SALE LIMITATIONS
EXPORTS
PanAmerican Seed Products are not available for sale in AND MAY NOT BE SOLD INTO AUSTRALIA, NEW ZEALAND, KOREA, BRAZIL AND SOUTH AFRICA.

U.S., EU, OR U.N. SANCTIONS
The Buyer is Prohibited to sell, divert, transfer, or re-export directly or indirectly, to any individual, 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 in the U.S. Treasury Department’s Designated Nationals (SDN) List.

Governing Law, Jurisdiction & Venue
The Buyer agrees to comply with all applicable laws, including but not limited to, 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.

Terms & Conditions of Sale and current Variety Protection Information.
YOUR NUMBER 1 CHOICE FOR SEED

SUPPLY
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.