INCLUDES NEW 2020 INTRODUCTIONS

YOUR #1 CHOICE FOR PANSIES & VIOLAS

LOOK INSIDE FOR BEST-IN-CLASS VARIETIES!

PanAmerican Seed®
**Quick Reference Chart**

### Series
- **MATRIX®**
- **SPRING MATRIX™**
- **FRIZZLE SIZZLE**
- **PANOLA® XP & PANOLA® COOL WAVE®**
- **FRIZZLE SIZZLE MINI**
- **QUICKTIME™ SORBET® XP & SORBET®**

### Outstanding Features & Benefits

<table>
<thead>
<tr>
<th>Series</th>
<th>Outstanding Features &amp; Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATRIX®</strong></td>
<td>This is the pansy you want for longer days and warmer growing. Matrix features uniform timing and plant habit, with a tight bloom window so all colors ship in the same week in Fall.</td>
</tr>
<tr>
<td><strong>SPRING MATRIX™</strong></td>
<td>Designed for cool-season, short-day growing conditions, Spring Matrix is your best option for plants that look better, last longer and have the tightest flowering window for less dump.</td>
</tr>
<tr>
<td><strong>FRIZZLE SIZZLE</strong></td>
<td>Specialty ruffled flower form grabs attention in cool-season end cap displays, containers and &quot;close-up&quot; landscapes.</td>
</tr>
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<td><strong>PANOLA® XP &amp; PANOLA® COOL WAVE®</strong></td>
<td>Panola XP includes landscaper-friendly clear colors perfect for mixing up custom blends, and they offer exceptional overwintering, uniform habit and a tight flowering window.</td>
</tr>
<tr>
<td><strong>FRIZZLE SIZZLE MINI</strong></td>
<td>The best-performing spreading pansy series delivers easy spreading color for Spring and Fall, so you can extend your growing season, and Cool Wave beats other pansies hands down for vigor and overwintering.</td>
</tr>
<tr>
<td><strong>QUICKTIME™ SORBET® XP &amp; SORBET®</strong></td>
<td>Unique frilly viola for cool-season production is great for smaller containers and &quot;close-up&quot; landscapes.</td>
</tr>
<tr>
<td><strong>SORBET® XP</strong></td>
<td>Flowering two weeks faster than comparable series, Quicktime allows you to sow your viola crop two weeks later and still ship on time in Spring.</td>
</tr>
</tbody>
</table>

### Habit & Vigor

<table>
<thead>
<tr>
<th>Habit &amp; Vigor</th>
<th><strong>MATRIX®</strong></th>
<th><strong>SPRING MATRIX™</strong></th>
<th><strong>FRIZZLE SIZZLE</strong></th>
<th><strong>PANOLA® XP &amp; PANOLA® COOL WAVE®</strong></th>
<th><strong>FRIZZLE SIZZLE MINI</strong></th>
<th><strong>QUICKTIME™ SORBET® XP &amp; SORBET®</strong></th>
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<tr>
<td>Less stretch due to unique plant architecture that grows out rather than up</td>
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<td>Moderate vigor; upright, mounding habit</td>
<td>Moderate to strong vigor; uniform, upright, mounding habit</td>
<td>Vigorous plants ultimately spread up to 24 to 30 in./60 to 75-cm in containers</td>
<td>Moderate vigor; mounding habit, covered in 1 to 1.5-in./3 to 4-cm frilly blooms</td>
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<td>Compact Sorbet XP delivers the most uniform viola for habit, vigor and timing</td>
<td></td>
</tr>
</tbody>
</table>

### Color Range

<table>
<thead>
<tr>
<th>Type</th>
<th>Total colors</th>
<th>Mixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATRIX®</strong></td>
<td>26</td>
<td>17</td>
</tr>
<tr>
<td><strong>SPRING MATRIX™</strong></td>
<td>22</td>
<td>6</td>
</tr>
<tr>
<td><strong>FRIZZLE SIZZLE</strong></td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td><strong>PANOLA® XP &amp; PANOLA® COOL WAVE®</strong></td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td><strong>FRIZZLE SIZZLE MINI</strong></td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td><strong>QUICKTIME™ SORBET® XP &amp; SORBET®</strong></td>
<td>6</td>
<td>12</td>
</tr>
</tbody>
</table>

### Type

- **Extra-large pansy**
- **Large pansy**
- **Ruffled pansy**
- **Multiflora pansy**
- **Spreading pansy**
- **Ruffled viola**
- **Viola cornuta**
- **Viola cornuta**

More details inside.
FRIZZLE SIZZLE

The ultimate in cool displays

This unique, frilly bloom style gets even more pronounced in cool conditions, so Spring is the ideal season for showing off that Frizzle Sizzle.

F1 RUDDLED PANSY
Viola x wittrockiana

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, Fall 4 to 6 weeks
Supplied as raw and primed seed.

This series offers more unique and bold colors than any other of its type.

The frilly flower form is great for cool-season end cap displays, and it looks great in containers and "close-up" landscapes.

Stronger ruffling occurs in cool conditions, so Spring production is perfect for this pansy.
Ideal for 4-in. (10-cm) and larger pots.

Find product & growing info on these pansies and violas, plus the full family of PanAmerican Seed products, at panamseed.com.
We have your complete pansy and viola assortment for landscapes, baskets or containers, with the core colors and novelties you want, and the dependable, proven performance you expect from PanAmerican Seed.

These varieties are your top choices for Spring and Fall planting. Large to small blooms or upright to trailing habits, you will find an exciting range of core colors, novelties and mixes to meet your needs and exceed your customer’s expectations.

COOL WAVE®

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 vigor and overwintering. And only Cool Wave packs the selling power of the Wave Brand.

F1 SPREADING PANSY
Viola x wittrockiana

Height: 6 to 8 in./15 to 20 cm
Spread: 24 to 30 in./61 to 76 cm
Flower size: 2 to 2.5 in./5 to 6 cm
Plug crop time: 4 to 5 weeks
Transplant to finish: Spring 6 to 7 weeks, Fall 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, great for Spring and Fall, extends your growing season for the Wave Brand.

With the most prostrate habit, it is great in combos and as groundcover. More vigorous than any other spreading pansy.

Superior overwintering Cool Wave is the earliest pansy to return in the Spring.

Ideal for 4.5 to 6-in. (11 to 15-cm) pots, baskets and patio planters.

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FRIZZLE SIZZLE MINI

Add a specialty ruffled look to violas!

The viola flower with an attractive edge! Their frilly blooms gets even more pronounced in cool conditions like Frizzle Sizzle, so Spring is perfect for this new mini format.

F1 RUFFLED VIOLA
Viola cornuta

Height: 6 to 8 in./15 to 20 cm
Spread: 6 to 8 in./15 to 20 cm
Flower size: 1.25 to 1.5 in./3 to 4 cm
Plug crop time: 4.5 to 5 weeks
Transplant to finish: 6 to 7 weeks
Supplied as raw and primed seed.

The series adds a unique frilly flower form to violas.

Great for containers or “close-up” landscapes.

Best for cool-season in early Spring or Fall; stronger ruffling occurs in cool conditions.

Spring production is recommended.

QUICKTIME™

Early-blooming, free-flowering plants provide bright color in early Spring and Fall gardens

With two weeks faster flowering time, Quicktime requires less labor and less heat in the greenhouse, so the cost savings quickly add up!

F1 VIOLA
Viola cornuta

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: Spring 5 to 6 weeks, Fall 3 to 4 weeks
Supplied as primed seed.

Quicktime varieties are screened and selected for reduced daylength sensitivity.

Quicktime is programmable and saves time for growers.

Quicktime is a well-branched, full-bodied plant that fills out the pot or pack.

Quicktime has ‘Hyperflora’ flowering power, which means it has multiple blooms at first flower and continues with fast secondary and tertiary flowering.

Growers can use Quicktime to come to market earlier than other violas, or they can use Quicktime to transplant up to two weeks later and still ship during the traditional viola market window.

SORBET® XP & SORBET®

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

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 9 weeks, Fall 4 to 5 weeks
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Open now for this season’s top pansy and viola choices!