

# Colorado State University 2016-2017 Cool Season Trials Performance Report

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Cool Season Trial Garden  
1401 Remington Street  
NE Corner of College Avenue and Lake Street  
Colorado State University  
Department of Horticulture and Landscape Architecture  
Ft. Collins, CO. 80523  
[www.flowertrials.colostate.edu](http://www.flowertrials.colostate.edu)

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# 2016-2017 Cool Season Trial

## Performance Report

Dr. James E. Klett, David Staats and Corinne Volk<sup>1</sup>

### Introduction

This is the ninth year that Colorado State University conducted a Cool Season Trial in ground beds. It marks the seventeenth year that Annual Flower Trial Garden is located adjacent to the University Center for the Arts at Colorado State University. The overall goal of this project is to determine which varieties of cool season plants are best suited for marketing and growing in the Rocky Mountain region. Initial data was recorded in October 2016, then approximately every two weeks from February-April 2017 (no data was collected mid-December of 2016 through early February or in late March of 2017, due to snow cover). Irrigation was also monitored throughout this time period and any additional water given to these plants was recorded. This year the cool season trials were evaluated by industry professionals and company representatives on April 19, 2017.

The cool season trials at Colorado State University have no specific operation dollars from state funds. Financial assistance, plant material, and other miscellaneous materials for the trials were acquired from sponsoring seed companies. Special thanks to Welby Gardens Inc. for their generous support in growing a flat of each of the cool season varieties. Some operational and staff dollars have come from the Colorado State University Agriculture Experiment Station, Extension, and the Department of Horticulture and Landscape Architecture. Seed companies that participated in this trial were: Benary Seed, HemGenetics, Syngenta Flowers, and PanAmerican Seed.

### Cultural Data for the 2016-2017 Cool Season Trial Garden

#### PLANTING DATES

All cool season plants were planted on October 19th, 2016. All plants arrived from Welby Gardens as rooted seedlings in cell packs that were 2.25" deep. They were then transplanted into

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<sup>1</sup> Professor and Extension Landscape Horticulture Specialist; Horticulture Research Associate; Environmental Horticulture student and 2016-17 Cool Season Trial Coordinator, respectively.

planting beds located in the Annual Flower Trial Garden at 1401 Remington Street. There were 4 plants per cell pack, and 12 cell packs were planted in each row of the beds.

**WATERING**

All watering was monitored. Watering was done when natural precipitation was low and when the ground media was not saturated. The winter of 2016-17 had slightly more winter precipitation compared to other winters. There was consistent snow cover on the beds from mid-December through early February and in late March. The beds were watered using the garden’s irrigation system one time during establishment in the months of October and November, and fertilizer was injected through the irrigation system. A 20-10-20 fertilizer was used. After the garden’s irrigation system was winterized in November, there were three dates when the cool season entries were watered using a frost-free water line. Watering from late-March through May was done with the in ground irrigation system. The irrigation system was typically run for 1 hour on a weekly basis at first, and then the pansies were watered regularly on Mondays and Thursdays. The irrigation system applies .39in of water per hour.

**DATES OF SEVERE WEATHER**

Winter temperatures in 2016-2017 were typical of a normal Colorado winter. This year’s snow cover occurred from late December through early February, an uncharacteristically long time for this region. The extended length of snow cover did not seem to have any effect on the plants in our trial. The first hard freeze, (low temps. below 25°F) after the trials were planted, was recorded on November 18, 2016, when the low temperature was recorded to be 19°F. Extreme cold temperatures are listed in the table below. Wind-chill factors are not included but can be quite significant in Colorado’s winter climate.

*Dates of temperatures at 5°F or lower:*

Date	Low	Date	Low
12/7/16	-1 F	12/19/16	-4 F
12/8/16	-8 F	1/5/17	-8 F
12/9/16	3 F	1/6/17	-18 F
12/16/16	5 F	1/7/17	-8 F
12/17/16	-11 F	1/8/17	5 F
12/18/16	-15 F		

WEATHER DATA NOVEMBER – APRIL

	OCTOBER 2016	NOVEMBER 2016	DECEMBER 2016
<b>AVG. MAX TEMP</b>	73.2 F	59.0 F	39.9 F
<b>AVG. MIN TEMP</b>	40.6 F	30.7 F	12 F
<b>AVG. MEAN TEMP</b>	57.4 F	45.5 F	26.3 F
<b>MAX MAX TEMP</b>	84.0 F	81.0 F	61 F
<b>MIN MIN TEMP</b>	54.4 F	13.1 F	-15 F
<b>TOTAL PRECIPITATION</b>	0.21 IN	0.20 IN	.94 IN
<b>MAX PRECIPITATION/DAY</b>	.08 IN	.07 IN	.50 IN

	JANUARY 2017	FEBRUARY 2017	MARCH 2017	APRIL 2017
<b>AVG. MAX TEMP</b>	41.2 F	54.6 F	64.9 F	47.1 F
<b>AVG. MIN TEMP</b>	13.3 F	25.8 F	31.2 F	26.7 F
<b>AVG. MEAN TEMP:</b>	27.5 F	40.9 F	47.5 F	36.9 F
<b>MAX MAX TEMP</b>	63.7 F	73.0 F	82.2 F	75.9 F
<b>MIN MIN TEMP:</b>	-15 F	7.6 F	18.8 F	26.1 F
<b>TOTAL PRECIPITATION:</b>	.58 IN	1.01 IN	2.28 IN	1.63 IN
<b>MAX PRECIPITATION/DAY</b>	.45 IN	.49 IN	1.44 IN	.73 IN

## DATA COLLECTION METHODS FROM PLANTING THROUGH EVALUATION DAY

Corinne Volk (undergraduate Environmental Horticulture student) collected data throughout the 2016-17 Cool Season trial.

The overall rating scoring was: 1=poor condition (dying), 2=weak condition (struggling with some dieback), 3=average (few to no flowers with healthy foliage), 4=good condition (progressing flowers with healthy foliage growth), and 5=great condition (many flowers with healthy uniform foliage growth). A record of each entry was taken during the fall months (October-November), as well as in the spring months, (March-April).

## **Conclusion**

The 2016-2017 Cool Season Trials were overall a great success. Though there were aspects of this winter's weather that were unusual and the weather was very interesting, we still had a great flower display by evaluation day.

This was the third year that the majority of the data collection from the spring evaluation day was taken using either a smartphone or a tablet in combination with new wireless internet capabilities out at the trial garden, and a new internet based program developed specifically for the trial gardens. Feedback from the committee members who were involved was positive. The CSU Trial Gardens staff is now working hard to perfect this new evaluation process and prepare for the summer trials. It is worth noting that the new evaluation process has significantly improved efficiency in collecting and tabulating the final data for the cool season trial garden.

## 2016-2017 Cool Season “Best Of” Selections

One hundred and nineteen varieties were evaluated in the 2016-2017 Cool Season trial from planting in mid-October 2016 through April 2017. On evaluation day (April 19, 2017), sixteen varieties were selected by the Annual Trial Garden Committee as top-rated performers.

### **Best of Show Pansy – ‘Cool Wave Morpho’ from Pan American Seed**

This pansy stole the show in our trial with vibrant flower colors which were striking contrast between blue and yellow which were held up high on the plant for easy viewing. The flowers were numerous and totally covered the plant which was particularly stunning combined with the large spreading growth habit. The entire Cool Wave series was noted to have exceptional vigor and flower power but ‘Cool Wave Morpho’ was considered the best of the series.

### **Best Purple Pansy – ‘Inspire Plus Denim’ by Benary**

This pansy had a unique flower color which was shades of blue and purple on sturdy stems and with excellent green foliage. This pansy had an attractive face with eyes adding character to the upward facing flower.

### **Best Blue/Blue Blotch - Spring Matrix Blue Blotch by Pan American Seed**

This variety had an excellent flower presentation with a rich flower color and nice uniformity. Along with the beautiful dark green foliage, Spring Matrix Blue Blotch stuns with its gorgeous blue colors and larger blooms.

### **Best Orange Pansy – Inspire Orange by Benary**

This variety had a rich, medium orange color on large, frilly flowers. Flowers were numerous with good growth habit. The cute, petite whisker on the flowers proved a good accent to the flower character.

### **Best Yellow Pansy – Matrix Yellow Improved by Pan American Seed**

The huge flowers alone draws attention to this plant. The clear yellow flower color creates an array of bright and sunny looking flowers. This pansy would brighten up any landscape in the early Spring.

### **Best Rose – ‘Spring Matrix Rose’ by Pan American Seed**

This pansy displays a large flower with deep rose color that doesn’t fade with age. Not only does the flower immediately catch attention but the large, branching habit of Spring Matrix Rose creates a very full plant and the overall effect is quite breath taking.

### **Best Lemon - Inspire Plus Lemon by Benary**

This floriferous pansy demonstrates a beautiful branching plants along with uniform growth habit. Inspire Plus Lemon exhibits a very pure and fresh color that is true to its name.

### **Best Novelty Pansy – Matrix Morpheus by Pan American Seed**

The intense yellow and purple color of this pansy provides flower color that flourish across the whole plant with excellent coverage over all of the plant.

Besides the eye-catching flower color, this pansy has classic whiskers adding a touch of character.

**Best Blotch Pansy – Spring Matrix Yellow Blotch by Pan American Seed**

This pansy exhibits quality flower presentation on a branching plant with massive size flowers. The flowers are bright yellow color with a rich chocolate brown blotches. Plant stood out for the branching growth habit and massive size flowers.

**Best of Show Viola – Endurio Blue Yellow with Purple Wing by Syngenta**

The spreading growth habit makes this viola very attractive for borders and nostalgic looking flowers bring back the idea of old-school violas. The eye-catching blue yellow with purple wing flower color is guaranteed to make everyone feel happy. It also was designated as Best Novelty Viola.

**Best Violet Viola – Corina Violet Yellow Face by Hem Genetics**

This viola has more upright branching growth habit which is quite vigorous with many flowers. The very floriferous viola has a cute, inviting face with rich purple flower color.

**Best Blue- Purple Viola - Sorbet XP True Blue by Pan American Seed**

This viola displays a truly blue color with a cherry yellow throat that fully lives up to its name. This viola is quite floriferous, with excellent foliage accompanying the multiple flowers all over the plant.

**Best White Viola - Admire White by Benary**

This viola demonstrates a uniform and tidy growth habit with a petite flower size. Flowers are a pure white and very floriferous.

**Best Yellow Viola – Admire Yellow by Benary**

This viola has bright, sunny petals with characteristic whiskers on tight, mounded plants. This viola has a very tidy and uniform growth habit and will certainly brighten up the environment.

**Best Unique Flower Viola - Sorbet Yellow Blue Jump Up by Pan American Seed**

This viola is extremely unique with its soft blue and pure yellow coloration. In addition to the flower color, blooms also had notable markings that were unusual and simply eye-catching up close. Plants had good vigor and growth habit.

**Other Outstanding Viola - Admire Deep Blue by Benary**

Flowers had an impressive velvety, dark purple/blue color combined with a nice bright center that really captivates the eye. The abundant blooms were also noted to be relatively large for a viola. Plants had good vigor and were very uniform.

For photos of these plants visit [www.flowertrials.colostate.edu](http://www.flowertrials.colostate.edu) and click on 2017 winners under the “Best Of” Cool Season trial on left side.



## Appearance Data by Student Coordinator

Genus	Cultivar	Company Name	New	Oct 26	Nov 14	Jan 30	Feb 23	Mar 22
Glandularia	Violet-Rose HZ-16 exp.	HemGenetics		3	1	1	1	1
Pansy	Colossus™ Deep Blue with Blotch	Syngenta		3	3	4	4	4
Pansy	Colossus™ White	Syngenta		3	4	4	4	4
Pansy	Colossus™ White with Blotch	Syngenta		3	4	4	4	4
Pansy	Colossus™ Yellow Improved	Syngenta		3	4	4	4	4
Pansy	Colossus™ Yellow with Blotch Improved	Syngenta		3	3	4	4	4
Pansy	Cool Wave® Fire	Pan American Seed		3	3	4	4	4
Pansy	Cool Wave® Golden Yellow	Pan American Seed		3	4	4	4	4
Pansy	Cool Wave® Lemon Improved	Pan American Seed		3	4	4	4	4
Pansy	Cool Wave® Morpho	Pan American Seed		3	2	4	4	4
Pansy	Cool Wave® Raspberry	Pan American Seed		3	4	4	4	4
Pansy	Delta™ Premium Blue with Blotch	Syngenta		3	3	4	4	4
Pansy	Delta™ Premium Exp. Yellow and Purple	Syngenta		3	4	4	4	4
Pansy	Delta™ Premium Neon Violet	Syngenta		3	2	4	4	4
Pansy	Delta™ Premium Pure White	Syngenta		3	4	4	4	4
Pansy	Delta™ Premium Pure Yellow Improved	Syngenta		3	4	4	4	4
Pansy	Delta™ Premium Yellow with Blotch	Syngenta		3	3	4	4	4
Pansy	Inspire Deluxe™ Deep Blue Blotch	Benary		3	3	4	4	4
Pansy	Inspire Deluxe™ Denim	Benary		3	2	4	4	4
Pansy	Inspire Deluxe™ Mid Blue Blotch	Benary		3	2	4	4	4
Pansy	Inspire Deluxe™ Red Blotch	Benary		3	3	4	4	4
Pansy	Inspire Deluxe™ Rose Blotch	Benary		3	4	4	4	4
Pansy	Inspire Deluxe™ Rose Face	Benary		3	4	4	4	4
Pansy	Inspire Deluxe™ White	Benary		3	4	4	4	4
Pansy	Inspire Deluxe™ White Blotch	Benary		3	4	4	4	4
Pansy	Inspire Deluxe™ White Violet Wing	Benary		3	4	4	4	4
Pansy	Inspire Deluxe™ Yellow	Benary		3	4	4	4	4
Pansy	Inspire Deluxe™ Yellow Blotch	Benary		3	3	4	4	4
Pansy	Inspire® Plus Beaconsfield	Benary		3	4	4	4	4
Pansy	Inspire® Plus Blue Blotch	Benary		3	3	4	4	4
Pansy	Inspire® Plus Denim	Benary	New	3	3	4	4	4
Pansy	Inspire® Plus Lemon	Benary	New	3	4	4	4	4
Pansy	Inspire® Plus Marina	Benary		3	3	4	4	4
Pansy	Inspire® Plus Orange	Benary		3	3	4	4	4
Pansy	Inspire® Plus Orange Blotch	Benary	New	3	3	4	4	4
Pansy	Inspire® Plus Red Blotch	Benary		3	3	4	4	4
Pansy	Inspire® Plus Silver Blotch	Benary	New	3	3	4	4	4
Pansy	Inspire® Plus True Blue	Benary		3	2	4	4	4
Pansy	Inspire® Plus Violet	Benary		3	4	4	4	4
Pansy	Inspire® Plus Violet Face	Benary		3	4	4	4	4
Pansy	Inspire® Plus White	Benary		3	4	4	4	4
Pansy	Inspire® Plus Yellow	Benary		3	4	4	4	4
Pansy	Inspire® Plus Yellow Blotch	Benary		3	3	4	4	4

## Appearance Data by Student Coordinator

Genus	Cultivar	Company Name	New	Oct 26	Nov 14	Jan 30	Feb 23	Mar 22
Pansy	Inspire® Plus Yellow Purple Wing	Benary		3	2	4	4	4
Pansy	Inspire® White Blotch	Benary		3	4	4	4	4
Pansy	Matrix® Denim	Pan American Seed		3	3	4	4	4
Pansy	Matrix® Lemon	Pan American Seed		3	4	4	4	4
Pansy	Matrix® Morpheus	Pan American Seed		3	3	4	4	4
Pansy	Matrix® Orange	Pan American Seed		3	3	4	4	4
Pansy	Matrix® Purple	Pan American Seed		3	4	4	4	4
Pansy	Matrix® Rose	Pan American Seed		3	3	4	4	4
Pansy	Matrix® Rose Wing	Pan American Seed		3	4	4	4	4
Pansy	Matrix® Solar Flare	Pan American Seed		3	3	4	4	4
Pansy	Matrix® Yellow Blotch	Pan American Seed		3	3	4	4	4
Pansy	Matrix® Yellow Improved	Pan American Seed		3	4	4	4	4
Pansy	Spring Matrix™ Beaconsfield	Pan American Seed		3	4	4	4	4
Pansy	Spring Matrix™ Blue Blotch	Pan American Seed		4	3	4	4	4
Pansy	Spring Matrix™ Deep Orange	Pan American Seed		3	3	4	4	4
Pansy	Spring Matrix™ Lemon	Pan American Seed		3	4	4	4	4
Pansy	Spring Matrix™ Rose	Pan American Seed		3	3	4	4	4
Pansy	Spring Matrix™ Scarlet	Pan American Seed		3	3	4	4	4
Pansy	Spring Matrix™ Yellow Blotch	Pan American Seed		3	3	4	4	4
Pansy	Spring Matrix™ Yellow Blotch Improved 2017	Pan American Seed		3	4	4	4	4
Pansy	Xtrada™ Deep Rose with Blotch	HemGenetics		3	4	4	4	4
Pansy	Xtrada™ Mid Blue Blotch	HemGenetics		3	3	4	4	4
Pansy	Xtrada™ White	HemGenetics		3	4	4	4	4
Pansy	Xtrada™ White with Blotch	HemGenetics		3	4	4	4	4
Pansy	Xtrada™ Yellow	HemGenetics		3	4	4	4	4
Viola	Admire® Blue	Benary		3	3	4	4	4
Viola	Admire® Deep Blue	Benary		3	3	4	4	4
Viola	Admire® Denim	Benary		3	3	4	4	4
Viola	Admire® Marina	Benary		3	3	4	4	4
Viola	Admire® Orange Purple Wing	Benary		3	3	4	4	4
Viola	Admire® Pink	Benary		3	3	4	4	4
Viola	Admire® Pink Surprise	Benary		3	3	4	4	4
Viola	Admire® Purple White Face	Benary	New	3	3	4	4	4
Viola	Admire® Red blotch	Benary		3	3	4	4	4
Viola	Admire® Ruby Gold	Benary		3	3	4	4	4
Viola	Admire® White	Benary		3	3	4	4	4
Viola	Admire® White Purple Wing	Benary	New	3	3	4	4	4
Viola	Admire® Yellow	Benary		3	3	4	4	4
Viola	Admire® Yellow Blotch	Benary		3	3	4	4	4
Viola	Admire® Yellow Purple Wing	Benary		3	3	4	4	4
Viola	Corina™ Black-N-White	HemGenetics		3	3	4	4	4
Viola	Corina™ Deep Blue Blotch	HemGenetics		3	3	4	4	4
Viola	Corina™ Lemon Purple Wing	HemGenetics		3	3	4	4	4

## Appearance Data by Student Coordinator

Genus	Cultivar	Company Name	New	Oct 26	Nov 14	Jan 30	Feb 23	Mar 22
Viola	Corina™ Marina	HemGenetics		3	3	4	4	4
Viola	Corina™ Pure White	HemGenetics		3	3	4	4	4
Viola	Corina™ Terracotta	HemGenetics		3	3	4	4	4
Viola	Corina™ Violet	HemGenetics		3	3	4	4	4
Viola	Corina™ Violet Yellow Face	HemGenetics		3	3	4	4	4
Viola	Corina™ White Purple Wing	HemGenetics		3	3	4	4	4
Viola	Corina™ Yellow Blotch	HemGenetics		3	3	4	4	4
Viola	Endurio® Blue Yellow with Purple Wing	Syngenta		3	3	4	4	4
Viola	Endurio® Exp. Red Flare	Syngenta		3	3	4	4	4
Viola	Endurio® Exp. Yellow	Syngenta		3	3	4	4	4
Viola	Endurio® Pure Violet	Syngenta		3	3	4	4	4
Viola	Endurio® Sky Blue	Syngenta		3	3	4	4	4
Viola	Endurio® Yellow with Red Wing	Syngenta		3	3	4	4	4
Viola	Penny™ Exp. Black	Syngenta		3	3	4	4	4
Viola	Penny™ Exp. Yellow	Syngenta		3	3	4	4	4
Viola	Penny™ Yellow	Syngenta		3	3	4	4	4
Viola	Sorbet Honeybee	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Beaconsfield	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Blue Blotch Improved	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Blue Jeans	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Deep Orange	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Delft Blue	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Orange Jump Up	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Primrose Blotch	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Red Blotch	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP True Blue	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP White	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP White Blotch	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Yellow	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Yellow Blotch Improved	Pan American Seed		3	3	4	4	4
Viola	Sorbet XP Yellow Violet Jump Up	Pan American Seed		3	3	4	4	4
Viola	Sorbet Yellow Blue Jump Up	Pan American Seed		3	3	4	4	4

## Overall Rating by Evaluators and Evaluator Comments

Genus	Cultivar	Company Name	Plant Description*	Rating **	Evaluators' Comments on 4/19/2017
Glandularia	Violet-Rose HZ-16 exp.	HemGenetics	Dead	1.00	Completely dead and did not make it through the winter, dead, not cold hardy
Pansy	Colossus Deep Blue with Blotch	Syngenta	[1] Color Does Not Match Name, [1] Few Flowers, [2] Vibrant Flower Color, [4] Low Vigor, [4] Many Flowers, [5] Uniform, [6] Non-Uniform	5.60	Blue color seems quite variable (purple to blue), fewer flowers, not as good facing, flowers droop more than others, moderate flowering, not as vigorous
Pansy	Colossus White	Syngenta	[1] Unique Flower Color, [2] Few Flowers, [2] Great Foliage, [2] Vigorous Plant, [3] Color Does Not Match Name, [4] Uniform, [5] Low Vigor, [6] Many Flowers, [7] Non-Uniform	5.85	Bright, pleasing color, large blooms, flower is not consistent, great large flower but not a clear white, inconsistent size, non-uniform whiskers, non-uniform color, white is a little creamy
Pansy	Colossus White with Blotch	Syngenta	[15] Low Vigor, [1] Many Flowers, [1] Some Chlorosis, [1] Uniform, [2] Disease Present, [4] Few Flowers, [9] Non-Uniform	3.70	Poor, small plants, unimpressive
Pansy	Colossus Yellow Improved	Syngenta	[13] Non-Uniform, [3] Vigorous Plant, [4] Many Flowers, [5] Vibrant Flower Color, [6] Low Vigor	5.35	Flowers in foliage, some winter loss, unimpressive, very erratic blooming
Pansy	Colossus Yellow with Blotch Improved	Syngenta	[11] Many Flowers, [1] Unique Colors, [1] Vibrant Flower Color, [2] Low Vigor, [3] Vigorous Plant, [9] Uniform	6.25	Big flower on small plant, large blossom looks tired, less height, showy but small
Pansy	Cool Wave® Fire	Pan American Seed Co.	[10] Unique Flower Color, [14] Uniform, [16] Many Flowers, [19] Vigorous Plant, [1] Non-Uniform, [3] Great Foliage, [3] Unique Flower, [6] Unique Colors, [8] Vibrant Flower Color	8.15	Long flower peduncle, lots of little flower petals, nice and uniform, very even, great mounding effect, very showy, great vigor and growth habit, rivals violas
Pansy	Cool Wave® Golden Yellow	Pan American Seed Co.	[14] Uniform, [16] Many Flowers, [17] Vigorous Plant, [1] Non-Uniform, [2] Great Foliage, [6] Vibrant Flower Color	8.10	Bright, even blooms, clear lemon color, blossoms are held high, nice habit for landscape
Pansy	Cool Wave® Lemon Improved	Pan American Seed Co.	[10] Uniform, [16] Many Flowers, [17] Vigorous Plant, [1] Great Foliage, [1] Unique Colors, [2] Non-Uniform, [4] Unique Flower Color, [4] Vibrant Flower Color	8.00	Best in this color group, bushy plants, excellent Cool Wave, nice yellow pastel, large flowers, lovely flower color, nice for a pastel
Pansy	Cool Wave® Morpho	Pan American Seed Co.	[14] Many Flowers, [15] Uniform, [17] Vigorous Plant, [2] Unique Flower, [4] Great Foliage, [5] Unique Colors, [6] Unique Flower Color, [9] Vibrant Flower Color	8.35	Great color and growing habit, plants floppy and open but good color, blossoms held high above plant, stretchy blossoms
Pansy	Cool Wave® Raspberry	Pan American Seed Co.	[13] Uniform, [16] Many Flowers, [19] Vigorous Plant, [2] Color Does Not Match Name, [2] Unique Flower, [3] Great Foliage, [3] Unique Flower Color, [4] Unique Colors, [4] Vibrant Flower Color	8.20	Amazing vigor and growth habit, color could use improvement, best pansy here, faded flowers cling to plant, flower stems too stretched, flower faces pointing sideways difficult to see, great uniformity, nice variety in flower color, some white faces, too purple to be raspberry, variable flower patterns, very floriferous, great for hanging baskets
Pansy	Delta Premium Blue with Blotch	Syngenta	[12] Many Flowers, [1] Low Vigor, [1] Non-Uniform, [1] Unique Flower, [2] Unique Colors, [5] Vibrant Flower Color, [7] Vigorous Plant, [9] Uniform	6.75	Best of the blue blotches group, dark, consistent flower color, flowers cover the foliage well, nothing unique
Pansy	Delta Premium Deep Blue with Blotch	Syngenta	[14] Low Vigor, [1] Uniform, [1] Vibrant Flower Color, [4] Few Flowers, [9] Non-Uniform	3.25	Die back, really small and not very colorful, significant winter kill, weaker variety

\*Number next to description denotes how many times it was mentioned by evaluators \*\*Ratings = 1 (poor) to 10 (excellent) on evaluation day by evaluators

## Overall Rating by Evaluators and Evaluator Comments

Genus	Cultivar	Company Name	Plant Description*	Rating **	Evaluators' Comments on 4/19/2017
Pansy	Delta Premium Exp. Yellow and Purple	Syngenta	[12] Many Flowers, [13] Uniform, [1] Great Foliage, [1] Low Vigor, [1] Unique Flower, [4] Vibrant Flower Color, [6] Unique Colors, [6] Unique Flower Color, [6] Vigorous Plant	7.55	Dark, rich colors, very consistent , excellent facing, gorgeous, great bicolor, nice flower size, great plant habit, Interesting mix of yellow shades with the purple
Pansy	Delta Premium Neon Violet	Syngenta	[11] Vibrant Flower Color, [13] Many Flowers, [13] Uniform, [1] Great Foliage, [1] Low Vigor, [1] Unique Flower, [1] Unique Flower Color, [5] Unique Colors, [5] Vigorous Plant	7.05	Excellent facing, fantastic rich flower color, nice compact plant
Pansy	Delta Premium Pure White	Syngenta	[1] Color Does Not Match Name, [1] Few Flowers, [1] Non-Uniform, [1] Vigorous Plant, [5] Uniform, [6] Low Vigor, [9] Many Flowers	5.25	Flowers already showing stress/poor facing, flowers aren't holding up as well as other whites, flowers curling unattractively, non-uniform color, small flowers, papery weak petals
Pansy	Delta Premium Pure Yellow Improved	Syngenta	[11] Uniform, [13] Many Flowers, [1] Great Foliage, [1] Low Vigor, [1] Unique Colors, [1] Unique Flower Color, [5] Vigorous Plant, [8] Vibrant Flower Color	6.90	Big flowers facing up, great depth of color, large flowers, like the cat whiskers from the center out on the flower
Pansy	Delta Premium Yellow with Blotch	Syngenta	[1] Low Vigor, [1] Unique Flower Color, [1] Vibrant Flower Color, [3] Non-Uniform, [3] Vigorous Plant, [6] Uniform, [9] Many Flowers	6.35	Smaller blooms, smaller growth habit
Pansy	Inspire Deluxe Deep Blue Blotch	Benary	[11] Low Vigor, [11] Non-Uniform, [1] Uniform, [1] Unique Flower, [2] Few Flowers, [3] Many Flowers	4.55	Moderate vigor, some are smaller then others, weak performer
Pansy	Inspire Deluxe Denim	Benary	[1] Few Flowers, [1] Unique Flower, [1] Vigorous Plant, [2] Unique Colors, [3] Low Vigor, [4] Unique Flower Color, [5] Uniform, [5] Vibrant Flower Color, [7] Many Flowers, [8] Non-Uniform	5.55	Average overall, flowers more sparse, not as upright as others, looks more floppy than comparable varieties, nice flower but the plants towards the back have more white then the ones in the front, not as vigorous or uniform as it's mate Plus Denim, some variation in color, variable blossom size
Pansy	Inspire Deluxe Mid Blue Blotch	Benary	[11] Many Flowers, [1] Few Flowers, [1] Unique Colors, [2] Unique Flower Color, [2] Vigorous Plant, [4] Uniform, [6] Low Vigor, [6] Vibrant Flower Color, [9] Non-Uniform	5.60	Good clear blotch, nice large flower blossoms, not quite as uniform among plants, very good flower feeling
Pansy	Inspire Deluxe Red Blotch	Benary	[1] Unique Colors, [1] Unique Flower Color, [1] Vigorous Plant, [2] Vibrant Flower Color, [3] Non-Uniform, [5] Uniform, [7] Many Flowers, [8] Low Vigor	6.35	Name matches, good red, not as uniform as they ought to be, the color changes nicely from yellow to dark red to a light red
Pansy	Inspire Deluxe Rose Blotch	Benary	[11] Non-Uniform, [13] Low Vigor, [1] Great Foliage, [1] Many Flowers, [1] Uniform, [1] Vibrant Flower Color, [3] Few Flowers	5.10	Color weak and faded, erratic blooming, small flowers, muddy color
Pansy	Inspire Deluxe Rose Face	Benary	[11] Many Flowers, [2] Color Does Not Match Name, [2] Low Vigor, [2] Unique Colors, [2] Unique Flower Color, [3] Non-Uniform, [4] Vibrant Flower Color, [7] Vigorous Plant, [8] Uniform	6.75	Consistent color of flower, great faces, holds its rose color better than most, looks promising, looks more violet/lilac than rose, vibrant yellow eye, excellent facing
Pansy	Inspire Deluxe White	Benary	[11] Many Flowers, [1] Unique Flower Color, [2] Low Vigor, [3] Non-Uniform, [6] Vigorous Plant, [7] Uniform	6.45	Better, decent white color, best of the white group, good clear white, large blooms, lot's of foliage showing, nice flower size, excellent facing, nice color and texture of flower

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Pansy	Inspire Deluxe White Blotch	Benary	[10] Uniform, [13] Many Flowers, [1] Disease Present, [1] Unique Flower Color, [1] Vibrant Flower Color, [2] Low Vigor, [2] Non-Uniform, [4] Vigorous Plant	6.30	Many flowers, excellent facing flower, good flower coverage, large flowers, even growth, very consistent in flower color
Pansy	Inspire Deluxe White Violet Wing	Benary	[11] Many Flowers, [12] Uniform, [1] Color Does Not Match Name, [2] Unique Flower, [3] Non-Uniform, [3] Unique Colors, [4] Unique Flower Color, [5] Low Vigor, [5] Vibrant Flower Color, [5] Vigorous Plant	6.20	Excellent flower facing and peduncle length, great color pattern, nice flower color, nice growth habit, compact mounds, tidy little plant habit, strong color
Pansy	Inspire Deluxe Yellow	Benary	[11] Uniform, [12] Many Flowers, [1] Great Foliage, [1] Non-Uniform, [2] Low Vigor, [2] Vibrant Flower Color, [2] Vigorous Plant	6.25	Flowers weak not aging well, messy, smaller plant, some whiskers
Pansy	Inspire Deluxe Yellow Blotch	Benary	[10] Many Flowers, [1] Great Foliage, [1] Unique Flower Color, [2] Unique Colors, [3] Vibrant Flower Color, [6] Vigorous Plant, [9] Uniform	7.10	Huge blossoms and showy blooms
Pansy	Inspire® Plus Beaconsfield	Benary	[10] Unique Flower Color, [12] Many Flowers, [14] Uniform, [1] Disease Present, [1] Low Vigor, [2] Great Foliage, [2] Unique Flower, [3] Unique Colors, [7] Vigorous Plant, [9] Vibrant Flower Color	8.00	Bright and colorful, nice plants flowers right above foliage, excellent flower facing, great looking flower petals, the white goes very well with the purple, great rich color that holds well, great show, a strong standby, great variety in flower color, more dark colors, nice contrast, very pretty
Pansy	Inspire® Plus Blue Blotch	Benary	[10] Uniform, [1] Few Flowers, [1] Unique Flower, [1] Unique Flower Color, [2] Unique Colors, [2] Vigorous Plant, [4] Non-Uniform, [5] Low Vigor, [6] Many Flowers, [6] Vibrant Flower Color	6.05	Wishing it were more burgundy in color with the same variance in habit and flower color, some of the plants are smaller than the rest, variation in flower color
Pansy	Inspire® Plus Denim	Benary	[13] Many Flowers, [1] Great Foliage, [1] Low Vigor, [2] Non-Uniform, [3] Unique Flower Color, [5] Unique Colors, [6] Vigorous Plant, [9] Uniform, [9] Vibrant Flower Color	7.00	Better than Inspire Deluxe Denim, nice color, many flowers, flower color holds better, showy, very consistent and even flower color
Pansy	Inspire® Plus Lemon	Benary	[10] Uniform, [13] Many Flowers, [1] Great Foliage, [1] Low Vigor, [1] Unique Colors, [2] Vibrant Flower Color, [4] Unique Flower Color, [5] Vigorous Plant	7.25	Color is a little soft and flat compared to other lemons, uniform, primrose color, very even in flower color, very uniform
Pansy	Inspire® Plus Marina	Benary	[10] Uniform, [13] Vigorous Plant, [15] Many Flowers, [2] Great Foliage, [2] Unique Flower, [3] Vibrant Flower Color, [4] Non-Uniform, [6] Unique Flower Color, [8] Unique Colors	7.15	Very nice flower color, color not stable, excellent facing, flowers are not uniform, interesting, lots of variation in color, no uniformity amongst flower color but still a lot of flower power, unique blotch, would be amazing if there were improvements in uniformity; old fashioned feel with color, very even grower
Pansy	Inspire® Plus Orange	Benary	[11] Vigorous Plant, [13] Uniform, [16] Many Flowers, [2] Great Foliage, [2] Unique Colors, [2] Unique Flower Color, [8] Vibrant Flower Color	8.15	Best of the orange group of pansies with flowers held tight on plant, deep flower color, excellent facing, love how the orange is dark in the center then lightens up on the edge, nice sized plant and blossom, very even grower, large blooms, good show, doesn't fade much in direct sun

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Pansy	Inspire® Plus Orange Blotch	Benary	[10] Uniform, [11] Many Flowers, [1] Low Vigor, [1] Unique Flower, [2] Non-Uniform, [2] Unique Colors, [4] Vibrant Flower Color, [6] Vigorous Plant, [7] Unique Flower Color	7.50	A little less uniform as the others, excellent flower facing, floriferous, great contrast with dark pattern, great flower, wonderful black center with orange edge, brown blotch provides nice color contrast, could use better vigor
Pansy	Inspire® Plus Red Blotch	Benary	[11] Vigorous Plant, [2] Great Foliage, [2] Unique Flower Color, [4] Vibrant Flower Color, [5] Uniform, [8] Non-Uniform, [9] Many Flowers	7.15	Best of the reds, flowers held nicely above foliage, great rich red, large flower, holding true colors, lots of color variability, nice, vigorous
Pansy	Inspire® Plus Silver Blotch	Benary	[11] Uniform, [12] Many Flowers, [1] Unique Flower, [3] Vibrant Flower Color, [4] Unique Colors, [5] Low Vigor, [5] Unique Flower Color, [5] Vigorous Plant	6.70	Amazing color with a great name, beautiful subtle patterns on petals, great flower coverage, smaller grower, very nice pastel blue for early spring
Pansy	Inspire® Plus True Blue	Benary	[12] Many Flowers, [13] Uniform, [2] Unique Flower Color, [2] Vigorous Plant, [5] Vibrant Flower Color, [6] Low Vigor	6.35	Excellent height and flower coverage, flowers tight to plant and full
Pansy	Inspire® Plus Violet	Benary	[11] Many Flowers, [12] Uniform, [1] Non-Uniform, [1] Unique Flower Color, [6] Vigorous Plant, [9] Vibrant Flower Color	6.70	Consistent blooming, nice deep purple, rich color, nice straight stems, nice tight plants with good flower coverage, large flower peduncle, velvety look
Pansy	Inspire® Plus Violet Face	Benary	[13] Many Flowers, [13] Vigorous Plant, [1] Unique Flower, [2] Non-Uniform, [3] Great Foliage, [3] Unique Colors, [6] Unique Flower Color, [6] Vibrant Flower Color, [9] Uniform	7.80	Flower stems a little long, great flower color, plant body is stretching too much, great flower pattern, looking up at us, inconsistent in size and color, unique markings, very even, attractive in the landscape, vigorous upright flowers
Pansy	Inspire® Plus White	Benary	[18] Low Vigor, [1] Disease Present, [1] Some Chlorosis, [1] Uniform, [7] Non-Uniform, [8] Few Flowers	3.45	Flowers gone from heat and stress, small flowers, small flowers, weak plants
Pansy	Inspire® Plus Yellow	Benary	[1] Non-Uniform, [2] Vibrant Flower Color, [2] Vigorous Plant, [4] Low Vigor, [9] Many Flowers, [9] Uniform	5.95	Good color, petals have some curling, smaller blooms, less vigorous
Pansy	Inspire® Plus Yellow Blotch	Benary	[11] Many Flowers, [1] Low Vigor, [1] Unique Colors, [1] Unique Flower Color, [3] Vigorous Plant, [6] Non-Uniform, [6] Uniform	6.15	Flowers not holding up well, unimpressive.
Pansy	Inspire® Plus Yellow Purple Wing	Benary	[12] Many Flowers, [2] Unique Flower Color, [3] Non-Uniform, [3] Unique Colors, [3] Vibrant Flower Color, [7] Vigorous Plant, [9] Uniform	6.60	Color more variable and fading, too much variation, yellows almost seem too variable
Pansy	Inspire® White Blotch	Benary	[1] Great Foliage, [1] Unique Colors, [1] Unique Flower Color, [1] Vigorous Plant, [2] Many Flowers, [4] Non-Uniform, [4] Uniform, [7] Low Vigor	5.15	Inconsistent size, moderate vigor, smaller blooms, the flower color is a whiter white, unimpressive, variation in color
Pansy	Matrix® Denim	Pan American Seed Co.	[1] Unique Flower, [1] Unique Flower Color, [1] Vigorous Plant, [2] Few Flowers, [2] Uniform, [2] Unique Colors, [3] Vibrant Flower Color, [6] Many Flowers, [6] Non-Uniform, [8] Low Vigor	5.45	Moderate flowering, not an even grower, seems to fade more than comparable varieties with some color breaking, some variation in color

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Genus	Cultivar	Company Name	Plant Description*	Rating **	Evaluators' Comments on 4/19/2017
Pansy	Matrix® Lemon	Pan American Seed Co.	[1] Great Foliage, [1] Low Vigor, [1] Unique Colors, [1] Vibrant Flower Color, [2] Color Does Not Match Name, [3] Non-Uniform, [3] Unique Flower Color, [4] Vigorous Plant, [7] Uniform, [9] Many Flowers	6.70	Color varies, faded flowers cling to plant, large blooms, nice name but the flower is not consistent, non-uniformity, blossoms cover plant, seems like more of a range of shades than the comparable varieties (yellow to white), the variety of flower colors is interesting but plants have average vigor, valuable color, very large flowers
Pansy	Matrix® Morpheus	Pan American Seed Co.	[12] Unique Flower Color, [13] Vigorous Plant, [14] Uniform, [15] Many Flowers, [1] Great Foliage, [1] Unique Flower, [4] Unique Colors, [8] Vibrant Flower Color	8.70	Lovely blue and yellow bicolor, nice uniformity and growth habit, very consistent in color, great display
Pansy	Matrix® Orange	Pan American Seed Co.	[11] Many Flowers, [13] Uniform, [1] Unique Colors, [3] Vibrant Flower Color, [7] Vigorous Plant	7.00	Apricot color, excellent flower facing, blossoms cover plant, fades to yellow more than others but very uniform, light color
Pansy	Matrix® Purple	Pan American Seed Co.	[1] Great Foliage, [1] Unique Flower Color, [2] Few Flowers, [2] Low Vigor, [3] Non-Uniform, [5] Vigorous Plant, [6] Uniform, [6] Vibrant Flower Color, [8] Many Flowers	6.35	Flowers too low in plants, squished down in foliage, large, showy blooms, lot of green to see, a little non-uniform
Pansy	Matrix® Rose	Pan American Seed Co.	[1] Few Flowers, [1] Great Foliage, [1] Low Vigor, [1] Uniform, [1] Unique Colors, [1] Unique Flower, [1] Vibrant Flower Color, [4] Vigorous Plant, [6] Non-Uniform, [8] Many Flowers	5.90	Big difference in growth habit, looks a bit tired, poor flower facing, severe fading
Pansy	Matrix® Rose Wing	Pan American Seed Co.	[1] Vibrant Flower Color, [2] Great Foliage, [2] Unique Flower, [3] Unique Colors, [5] Many Flowers, [5] Uniform, [6] Non-Uniform, [7] Unique Flower Color, [7] Vigorous Plant	6.35	Big flowers, friendly face, not as floriferous, open looking, showy in bed, some winter loss, not much though, this color combo is the essence of spring
Pansy	Matrix® Solar Flare	Pan American Seed Co.	[12] Uniform, [14] Many Flowers, [1] Great Foliage, [2] Unique Flower, [4] Non-Uniform, [7] Vigorous Plant, [8] Unique Colors, [8] Unique Flower Color, [9] Vibrant Flower Color	7.80	Beautiful mix of hot colors, nice habit, huge flowers, great color combinations, nice contrasting colors, nice variety in color, stout flower peduncle, excellent facing, large flowers, uniformity makes this flower shine
Pansy	Matrix® Yellow Blotch	Pan American Seed Co.	[11] Many Flowers, [14] Uniform, [1] Great Foliage, [1] Non-Uniform, [1] Unique Colors, [4] Vibrant Flower Color, [8] Vigorous Plant	7.40	Excellent, favorite of the yellow blotch, nice large flower, nice rounded mounds
Pansy	Matrix® Yellow Improved	Pan American Seed Co.	[10] Many Flowers, [12] Uniform, [1] Non-Uniform, [2] Low Vigor, [5] Vibrant Flower Color, [6] Vigorous Plant	6.95	Good color, even growing variety, large blooms, excellent facing
Pansy	Spring Matrix Beaconsfield	Pan American Seed Co.	[13] Many Flowers, [15] Uniform, [1] Great Foliage, [2] Unique Colors, [2] Unique Flower, [5] Vibrant Flower Color, [9] Unique Flower Color, [9] Vigorous Plant	7.95	Bright colors, little too much foliage showing, great bicolor, nice Beaconsfield pattern that holds color, the flower petals are smaller but the purple is a deeper color, very pretty, very uniform
Pansy	Spring Matrix Blue Blotch	Pan American Seed Co.	[13] Uniform, [13] Vigorous Plant, [14] Many Flowers, [2] Great Foliage, [7] Vibrant Flower Color	8.15	Flowers in foliage, gorgeous blue, most vigorous & most uniform, nice traditional pansy habit with vibrant deep blue flower, very even grower, very stout peduncles.

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Pansy	Spring Matrix Deep Orange	Pan American Seed Co.	[10] Many Flowers, [10] Vibrant Flower Color, [1] Color Does Not Match Name, [1] Non-Uniform, [2] Unique Colors, [3] Unique Flower Color, [7] Vigorous Plant, [9] Uniform	7.05	Deepest color, faded flowers cling to plant, foliage showing, droopy, mostly holding true color, but some fading, not as many flowers as the others, inconsistent coloring within the group, stout peduncle for color
Pansy	Spring Matrix Lemon	Pan American Seed Co.	[10] Many Flowers, [13] Uniform, [1] Great Foliage, [1] Low Vigor, [1] Unique Flower, [3] Unique Colors, [4] Vibrant Flower Color, [6] Vigorous Plant	7.20	Consistent lemon color, good depth of color, nice large flower, excellent, large flowers, nice color combo, average vigor, color variation is attractive.
Pansy	Spring Matrix Rose	Pan American Seed Co.	[13] Uniform, [14] Many Flowers, [2] Unique Colors, [5] Vibrant Flower Color, [9] Vigorous Plant	7.20	Best rose, better growth habit and vigor, good, dark consistent color, great shade of rose, the flower color is very consistent
Pansy	Spring Matrix Scarlet	Pan American Seed Co.	[15] Low Vigor, [1] Great Foliage, [1] Unique Colors, [2] Uniform, [3] Many Flowers, [3] Vibrant Flower Color, [4] Few Flowers, [4] Unique Flower Color, [6] Non-Uniform	5.35	Color not uniform, moderate flowering and vigor, small plants with uneven flowering, very nice red flower color
Pansy	Spring Matrix Yellow Blotch	Pan American Seed Co.	[12] Many Flowers, [15] Uniform, [1] Great Foliage, [1] Unique Colors, [1] Unique Flower Color, [3] Vibrant Flower Color, [9] Vigorous Plant	7.70	Best in this color group, best yellow blotch, large blossoms, very even looming, very floriferous
Pansy	Spring Matrix Yellow Blotch Improved 2017	Pan American Seed Co.	[2] Color Does Not Match Name, [2] Non-Uniform, [2] Vibrant Flower Color, [2] Vigorous Plant, [4] Low Vigor, [6] Uniform, [7] Many Flowers	6.10	Huge blossoms cover plants, nice flower color but small plant body, no blotch on the flowers, spent flowers too visible
Pansy	Xtrada Deep Rose with Blotch	HemGenetics	[13] Low Vigor, [1] Uniform, [1] Vigorous Plant, [2] Vibrant Flower Color, [3] Many Flowers, [8] Non-Uniform	5.15	Big flowers, flower fade, moderate vigor, wish the color was more consistent throughout the plants, nice strong sturdy stems, variable flower size and blotched pattern
Pansy	Xtrada Mid Blue Blotch	HemGenetics	[13] Non-Uniform, [1] Unique Colors, [1] Unique Flower, [1] Vibrant Flower Color, [2] Uniform, [2] Vigorous Plant, [3] Many Flowers, [6] Low Vigor	4.75	Full mound of blooms on each plant although moderate in vigor, plant size & color inconsistent, poor show, some dead in row
Pansy	Xtrada White	HemGenetics	[1] Unique Flower, [1] Vigorous Plant, [2] Many Flowers, [5] Few Flowers, [8] Low Vigor, [8] Uniform	4.75	Cupped, stressed flowers, flower petal curl, flower size a bit inconsistent, smaller flowers, uniform pure white color
Pansy	Xtrada White with Blotch	HemGenetics	[12] Many Flowers, [12] Uniform, [1] Great Foliage, [1] Unique Flower Color, [1] Vibrant Flower Color, [2] Low Vigor, [5] Vigorous Plant	6.95	Best of this color group, better uniformity, large, even blooming, large flowers
Pansy	Xtrada Yellow	HemGenetics	[11] Non-Uniform, [1] Great Foliage, [1] Low Vigor, [2] Vibrant Flower Color, [4] Uniform, [4] Vigorous Plant, [9] Many Flowers	5.75	Good yellow color, huge blooms, lots of whiskers, seems to fade more than the other yellows, some small plants
Viola	Admire® Blue	Benary	[10] Vigorous Plant, [13] Many Flowers, [14] Uniform, [1] Great Foliage, [1] Unique Flower Color, [4] Vibrant Flower Color	7.60	Mounding growth habit, very even, nice, rich and deluxe color.
Viola	Admire® Deep Blue	Benary	[10] Vibrant Flower Color, [12] Vigorous Plant, [13] Many Flowers, [17] Uniform, [1] Color Does Not Match Name, [1] Unique Colors, [1] Unique Flower, [2] Great Foliage, [3] Unique Flower Color	7.90	Great depth of color, lovely overall plant, very bright violet, eye-catching, violet and flowers right at foliage

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Viola	Admire® Denim	Benary	[14] Uniform, [15] Many Flowers, [2] Great Foliage, [3] Unique Colors, [7] Vibrant Flower Color, [8] Unique Flower Color, [8] Vigorous Plant	7.90	Dark, non-fading color, great blue color, awesome, great Viola, eye catching! Interesting color, seems more upright in habit
Viola	Admire® Marina	Benary	[11] Uniform, [14] Many Flowers, [1] Great Foliage, [1] Low Vigor, [1] Unique Colors, [4] Vibrant Flower Color, [6] Unique Flower Color, [9] Vigorous Plant	7.70	Even grower, nice, some color and habit variation but still very good, very fun color combo
Viola	Admire® Orange Purple Wing	Benary	[13] Many Flowers, [1] Great Foliage, [2] Unique Colors, [3] Low Vigor, [3] Non-Uniform, [3] Vibrant Flower Color, [4] Vigorous Plant, [7] Unique Flower Color, [8] Uniform	7.25	Interesting color combo, not super showy, nice color pattern, smaller flowers
Viola	Admire® Pink	Benary	[10] Many Flowers, [11] Uniform, [1] Great Foliage, [1] Low Vigor, [1] Unique Colors, [3] Color Does Not Match Name, [4] Vigorous Plant, [7] Unique Flower Color	6.40	Great color, it's more of a light purple the a pink, larger bloom size, seems more lilac?
Viola	Admire® Pink Surprise	Benary	[11] Uniform, [12] Many Flowers, [1] Great Foliage, [1] Unique Colors, [5] Vigorous Plant, [6] Unique Flower Color	6.35	Good flower coverage, lot of fading of bloom color, nice viola but color is too soft in our high light, looks very washed out, variable color
Viola	Admire® Purple White Face	Benary	[10] Vigorous Plant, [13] Uniform, [1] Unique Colors, [4] Unique Flower Color, [5] Vibrant Flower Color, [9] Many Flowers	7.85	Like the flower petals, nice white face, growth habit is fantastic
Viola	Admire® Red blotch	Benary	[1] Great Foliage, [1] Unique Colors, [2] Low Vigor, [2] Non-Uniform, [2] Unique Flower Color, [4] Vigorous Plant, [8] Uniform, [9] Many Flowers	6.15	Dark red colors, like the margins, moderate vigor, very good color retention, yellow edge is striking
Viola	Admire® Ruby Gold	Benary	[10] Many Flowers, [10] Vigorous Plant, [1] Great Foliage, [1] Unique Colors, [2] Non-Uniform, [3] Unique Flower, [3] Vibrant Flower Color, [5] Unique Flower Color, [9] Uniform	7.05	Long flower petals, moderate vigor and flowering, richly colored two toned flowers but stretchy peduncles, showy, even grower, sunny look, thin yellow edge very subtle but lovely
Viola	Admire® White	Benary	[12] Many Flowers, [13] Uniform, [1] Great Foliage, [1] Low Vigor, [1] Vibrant Flower Color, [4] Vigorous Plant	7.45	Clear white flowers, larger blooms, flower size is not very consistent , nice mounded habit
Viola	Admire® White Purple Wing	Benary	[1] Color Does Not Match Name, [1] Great Foliage, [1] Vibrant Flower Color, [2] Vigorous Plant, [3] Low Vigor, [3] Unique Flower Color, [4] Uniform, [5] Non-Uniform, [6] Many Flowers	5.85	A bit much yellow in some of the faces, color not uniform, lots of yellow, nice mound of color, one off type, some variation in flower color, the white is not very consistent has a lot more yellow than white, variable color.
Viola	Admire® Yellow	Benary	[11] Uniform, [12] Many Flowers, [6] Vibrant Flower Color, [8] Vigorous Plant	7.80	Deepest color (gold), deep, non-fading blooms, tight mound, nice whiskers
Viola	Admire® Yellow Blotch	Benary	[12] Many Flowers, [12] Uniform, [1] Great Foliage, [1] Non-Uniform, [1] Unique Flower Color, [1] Vibrant Flower Color, [6] Vigorous Plant	6.40	Okay, smaller blooms, some sun browning
Viola	Admire® Yellow Purple Wing	Benary	[12] Vigorous Plant, [13] Many Flowers, [16] Uniform, [1] Great Foliage, [1] Unique Flower, [3] Unique Flower Color, [8] Vibrant Flower Color	8.10	Stable color, very consistent in flower color, has a great growth habit, very even, consistent grower

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Viola	Corina Black-N-White	HemGenetics	[1] Unique Flower, [2] Color Does Not Match Name, [2] Great Foliage, [4] Unique Flower Color, [5] Uniform, [5] Unique Colors, [7] Non-Uniform, [9] Many Flowers, [9] Vigorous Plant	5.55	Lots of foliage coming through; not enough white, mixed plants, needs more white, color ratio unbalanced, not a uniform mix, some sporting of color, too many off type flower color, too much black, unbalanced colors, very unique colors on this plant, white not overly present
Viola	Corina Deep Blue Blotch	HemGenetics	[11] Many Flowers, [1] Color Does Not Match Name, [1] Low Vigor, [1] Unique Flower Color, [3] Vibrant Flower Color, [5] Uniform, [6] Non-Uniform, [6] Vigorous Plant	6.85	Blotch barely noticeable, Great color and growth habit, Like the more spreading habit
Viola	Corina Lemon Purple Wing	HemGenetics	[10] Many Flowers, [15] Uniform, [1] Low Vigor, [1] Non-Uniform, [1] Unique Colors, [2] Vibrant Flower Color, [3] Unique Flower Color, [5] Vigorous Plant	7.15	Great color pattern, love the mounds and slight color variation, smaller grower, very nice spring looking bicolor with nice flower size
Viola	Corina Marina	HemGenetics	[12] Many Flowers, [12] Uniform, [1] Color Does Not Match Name, [1] Great Foliage, [1] Unique Colors, [1] Vibrant Flower Color, [3] Unique Flower Color, [6] Vigorous Plant	7.95	The flower color is very consistent, uniform, very pastel, wonderful color with cute face.
Viola	Corina Pure White	HemGenetics	[1] Uniform, [2] Few Flowers, [4] Many Flowers, [8] Non-Uniform, [9] Low Vigor	5.30	Flower cupped from sun and heat, flowers very small , moderate flowering and vigor, open
Viola	Corina Terracotta	HemGenetics	[12] Many Flowers, [2] Great Foliage, [2] Non-Uniform, [2] Unique Flower, [2] Vigorous Plant, [4] Unique Colors, [6] Uniform, [8] Low Vigor, [9] Unique Flower Color	6.10	Flowers don't hold up to sun or heat, I could see being used more in containers than ground planting. Interesting color, but small blooms, interesting new color!, love this one, wish the flower color was more consistent, like how it has more reddish orange color, not great color, not showy at all, not very showy but interesting color, tiny flower size, unique color but too small
Viola	Corina Violet	HemGenetics	[1] Few Flowers, [1] Unique Colors, [2] Unique Flower Color, [2] Vigorous Plant, [3] Vibrant Flower Color, [4] Uniform, [7] Many Flowers, [7] Non-Uniform	6.55	Moderate vigor and flowering, nice color and face
Viola	Corina Violet Yellow Face	HemGenetics	[12] Vigorous Plant, [13] Many Flowers, [14] Uniform, [1] Unique Flower, [2] Vibrant Flower Color, [5] Unique Flower Color	7.95	Great color pattern, great tricolor, peduncles a little too stretchy, upright looking, very variable color.
Viola	Corina White Purple Wing	HemGenetics	[11] Non-Uniform, [1] Few Flowers, [2] Low Vigor, [2] Uniform, [2] Unique Flower Color, [2] Vigorous Plant, [5] Many Flowers	5.50	Some did well some didn't and the ones that did well look great, variable color
Viola	Corina Yellow Blotch	HemGenetics	[12] Many Flowers, [2] Vibrant Flower Color, [3] Non-Uniform, [6] Vigorous Plant, [8] Uniform	7.00	Flowers holding up better
Viola	Endurio® Blue Yellow with Purple Wing	Syngenta	[14] Vigorous Plant, [16] Many Flowers, [16] Uniform, [2] Great Foliage, [2] Unique Colors, [2] Unique Flower, [7] Vibrant Flower Color, [9] Unique Flower Color	8.25	Classic colors, gorgeous! love the mini size of the blossom, perfect viola, the best!, very cute old school viola look, very even grower
Viola	Endurio® Exp. Red Flare	Syngenta	[1] Few Flowers, [1] Unique Flower Color, [2] Uniform, [3] Unique Colors, [4] Many Flowers, [7] Low Vigor, [9] Non-Uniform	5.00	Color fades and looks muddy, moderate vigor, not a standout viola, not as vigorous, open looking, small grower

\*Number next to description denotes how many times it was mentioned by evaluators \*\*Ratings = 1 (poor) to 10 (excellent) on evaluation day by evaluators

## Overall Rating by Evaluators and Evaluator Comments

Genus	Cultivar	Company Name	Plant Description*	Rating **	Evaluators' Comments on 4/19/2017
Viola	Endurio® Exp. Yellow	Syngenta	[12] Uniform, [1] Unique Colors, [4] Vibrant Flower Color, [8] Vigorous Plant, [9] Many Flowers	7.45	Great growth habit, has a very nice light yellow, low growers, smaller flowers
Viola	Endurio® Pure Violet	Syngenta	[10] Uniform, [10] Vigorous Plant, [1] Non-Uniform, [2] Unique Colors, [2] Unique Flower Color, [3] Vibrant Flower Color, [9] Many Flowers	6.80	Bright eye, dull color, moderate vigor and flowering, nicely spreading, very open growth, yellow eye really stands out
Viola	Endurio® Sky Blue	Syngenta	[12] Uniform, [16] Many Flowers, [1] Great Foliage, [1] Unique Flower, [2] Non-Uniform, [2] Vibrant Flower Color, [3] Unique Flower Color, [9] Vigorous Plant	7.40	Compact uniform mounds, not as showy flower as some others
Viola	Endurio® Yellow with Red Wing	Syngenta	[14] Many Flowers, [14] Vigorous Plant, [15] Uniform, [1] Great Foliage, [1] Unique Colors, [1] Unique Flower, [2] Color Does Not Match Name, [3] Unique Flower Color, [7] Vibrant Flower Color	8.50	Love that the blossoms are held high around plant, nice spreading habit, rich flower color, stable color, very nice, wing looks more violet than red
Viola	Penny Exp. Black	Syngenta	[10] Many Flowers, [12] Unique Flower Color, [15] Uniform, [1] Vibrant Flower Color, [2] Few Flowers, [2] Great Foliage, [2] Unique Colors, [5] Vigorous Plant	7.35	Awesome color!, flowers too far down in foliage, love the color, wish the flower petals were bigger. The foliage is growing with the flower petals obscuring flower, same variable flower color, seems to hold black color well, small flowers, nice foliage flower contrast, some off-type, very even blooming
Viola	Penny Exp. Yellow	Syngenta	[10] Uniform, [12] Many Flowers, [1] Vibrant Flower Color, [2] Color Does Not Match Name, [2] Non-Uniform, [2] Unique Flower Color, [3] Low Vigor, [6] Vigorous Plant	6.85	Bright bicolor, flower color is good but has lots of other colors, not yellow, very even, smaller growth habit
Viola	PennyYellow	Syngenta	[13] Many Flowers, [13] Vigorous Plant, [3] Non-Uniform, [5] Vibrant Flower Color, [8] Uniform	7.50	Bright, consistent color, has lots of flowers, taller than the rest-may be good or not
Viola	Sorbet Honeybee	Pan American Seed Co.	[1] Low Vigor, [1] Vibrant Flower Color, [2] Great Foliage, [2] Non-Uniform, [3] Unique Flower, [4] Uniform, [4] Unique Flower Color, [5] Unique Colors, [5] Vigorous Plant, [7] Many Flowers	5.90	Perfect uniformity, container plant for accent couldn't see it being a great looking mass planting, cupped heat and sun flowers, flower color fades a lot, not enough of the bronze pattern in the flowers, old fashioned and drab, very consistent flower color, weak color, fading
Viola	Sorbet XP Beaconsfield	Pan American Seed Co.	[14] Vigorous Plant, [16] Many Flowers, [16] Uniform, [1] Great Foliage, [1] Unique Flower, [2] Unique Colors, [4] Vibrant Flower Color, [7] Unique Flower Color	8.65	Bravo, excellent, excellent color pattern variation, great smoky color on petals, pretty flower
Viola	Sorbet XP Blue Blotch Improved	Pan American Seed Co.	[11] Many Flowers, [1] Unique Flower, [2] Low Vigor, [2] Vibrant Flower Color, [3] Color Does Not Match Name, [4] Non-Uniform, [4] Vigorous Plant, [5] Uniform	6.95	Blotch not noticeable , dark, consistent blooms, moderate vigor, pretty small blotch, violet not blue blotch
Viola	Sorbet XP Blue Jeans	Pan American Seed Co.	[10] Many Flowers, [1] Disease Present, [1] Great Foliage, [2] Some Chlorosis, [3] Low Vigor, [3] Unique Colors, [3] Unique Flower Color, [4] Non-Uniform, [6] Uniform, [6] Vibrant Flower Color, [7] Vigorous Plant	7.15	Great habit, amazing color, size of plant is not very consistent , Wow

## Overall Rating by Evaluators and Evaluator Comments

Genus	Cultivar	Company Name	Plant Description*	Rating **	Evaluators' Comments on 4/19/2017
Viola	Sorbet XP Deep Orange	Pan American Seed Co.	[1] Great Foliage, [1] Non-Uniform, [2] Unique Colors, [2] Unique Flower Color, [2] Vigorous Plant, [4] Low Vigor, [4] Vibrant Flower Color, [7] Uniform, [8] Many Flowers	6.65	Excellent color/habit/peduncle length for color, good orange!, love the color but small plants, moderate vigor, true orange, not a lot of fading
Viola	Sorbet XP Delft Blue	Pan American Seed Co.	[11] Uniform, [12] Many Flowers, [2] Low Vigor, [2] Non-Uniform, [2] Unique Colors, [2] Unique Flower, [2] Vibrant Flower Color, [3] Great Foliage, [8] Unique Flower Color, [8] Vigorous Plant	7.20	Barely enough white, nice blue white combo. great for spring, very even grower
Viola	Sorbet Xp Orange Jump Up	Pan American Seed Co.	[10] Uniform, [1] Great Foliage, [1] Unique Colors, [1] Unique Flower, [2] Non-Uniform, [2] Unique Flower Color, [3] Low Vigor, [3] Vibrant Flower Color, [3] Vigorous Plant, [9] Many Flowers	6.50	More vibrant color, nice color contrast
Viola	Sorbet XP Primrose Blotch	Pan American Seed Co.	[10] Many Flowers, [1] Unique Colors, [1] Unique Flower, [1] Vibrant Flower Color, [2] Vigorous Plant, [3] Unique Flower Color, [4] Non-Uniform, [7] Low Vigor, [7] Uniform	6.25	Great pastel, unique yellow for a viola, nice, mounded, petite habit, like the different shades of yellow
Viola	Sorbet XP Red Blotch	Pan American Seed Co.	[1] Unique Flower, [2] Low Vigor, [2] Vibrant Flower Color, [3] Vigorous Plant, [4] Unique Flower Color, [5] Non-Uniform, [5] Uniform, [7] Many Flowers	6.30	Color is more of a rust than red, larger, showy bloom color, moderate vigor, nice orange red color, yellow edge is striking
Viola	Sorbet XP True Blue	Pan American Seed Co.	[11] Vigorous Plant, [14] Uniform, [17] Many Flowers, [1] Great Foliage, [1] Unique Flower, [1] Unique Flower Color, [2] Unique Colors, [7] Vibrant Flower Color	8.15	Great deep blue color with lovely whisker pattern. Holds color well, Just exceptional, Lovely, nice mounded plant, growth habit is compact, really covered with flowers, very even grower
Viola	Sorbet XP White	Pan American Seed Co.	[10] Many Flowers, [11] Uniform, [1] Low Vigor, [2] Non-Uniform, [5] Vigorous Plant	6.55	Flower cupping in heat
Viola	Sorbet XP White Blotch	Pan American Seed Co.	[10] Uniform, [12] Many Flowers, [1] Great Foliage, [1] Unique Colors, [1] Vibrant Flower Color, [3] Unique Flower Color, [7] Vigorous Plant	7.35	Good contrast of color on blooms, good flower coverage, nice plant, some uneven color, unique, small blotch - almost looks like salt and pepper, very nice
Viola	Sorbet XP Yellow	Pan American Seed Co.	[12] Many Flowers, [1] Low Vigor, [1] Non-Uniform, [5] Vibrant Flower Color, [5] Vigorous Plant, [8] Uniform	7.20	Deep, rich colors
Viola	Sorbet XP Yellow Blotch Improved	Pan American Seed Co.	[11] Uniform, [14] Many Flowers, [1] Low Vigor, [1] Unique Colors, [1] Vibrant Flower Color, [2] Unique Flower Color, [6] Vigorous Plant	7.20	Love the airiness in between stems and blossoms, very good flower facing
Viola	Sorbet XP Yellow Violet Jump Up	Pan American Seed Co.	[1] Unique Flower, [1] Unique Flower Color, [3] Vibrant Flower Color, [4] Low Vigor, [4] Uniform, [6] Vigorous Plant, [7] Non-Uniform, [9] Many Flowers	6.45	Peduncles are a little too stretchy
Viola	Sorbet Yellow Blue Jump Up	Pan American Seed Co.	[12] Many Flowers, [1] Great Foliage, [1] Vibrant Flower Color, [2] Non-Uniform, [2] Unique Colors, [2] Unique Flower, [8] Vigorous Plant, [9] Uniform, [9] Unique Flower Color	7.70	Fabulous color combination, good, gorgeous plant!, Great color coverage, really unique soft blue and lemon combo, Very consistent flower color, new color