

# Colorado State University 2019-2020 Cool Season Trial Performance Report



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

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## 2019-2020 Cool Season Trial Performance Report

Dr. James E. Klett, David Staats, and Rebekah Savage<sup>1</sup>

### **Introduction**

This is the twelfth year that Colorado State University has conducted a Cool Season Trial at the Annual Flower Trial Garden. It marks the twentieth year that the Annual Flower Trial Garden has been 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 November 2019, then approximately every two weeks from March-May 2020 (No data was collected in December of 2019, January of 2020, and February of 2020 due to continuous snow cover). Irrigation was monitored throughout the trials and any additional water given to these plants was recorded. Due to COVID-19, the trials were evaluated differently than previous years. This year the Cool Season Trials were evaluated by industry professionals and company representatives the week of Sunday May 3<sup>rd</sup> to Sunday May 10<sup>th</sup>. Evaluators were encouraged to evaluate the Cool Season Trials individually, rather than in a group and were given a full week rather than a specific day to evaluate.

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 Colorado State University Agricultural Experiment Station, Extension, and the Department of Horticulture and Landscape Architecture. Seed Companies that participated in this trial were: Benary, Ball, Sakata, and Syngenta.

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<sup>1</sup> Professor and Extension Landscape Horticulture Specialist; Horticulture Research Associate; Horticulture graduate student and 2019-2020 Cool

## **Cultural Data for the 2019-2020 Cool Season Trial Garden**

### Planting Days

All cool season plants were planted on October 4<sup>th</sup>, 2019. All plants arrived from Welby Gardens as rooted seedlings in cell packs that were 2.25" deep. They were transplanted into planting beds located in the Annual Flower Trial Garden at 1401 Remington Street. There were four plants per cell pack, and twelve cell packs were planted in each row of the beds.

### Watering

All precipitation and irrigation was monitored. Irrigation was utilized when natural precipitation was low and when ground media was not saturated. The winter and spring season of 2019-2020 had slightly more precipitation compared to 2018-2019 season. The Cool Season Trials were covered with snow continuously from November 26<sup>th</sup> 2019 to January 27<sup>th</sup> 2020 and again from February 3<sup>rd</sup> 2020 – February 11<sup>th</sup> 2020. The beds were watered using the gardens irrigation system in October, November, and May. Watering from March until May was done with a frost-free line. The irrigation typically ran for 2-3 hours on a weekly basis. The irrigation system applies .39 inches of water per hour.

### Weather Data October 2019 through May 2020

Winter temperatures in 2019-2020 were typical of a normal Colorado winter. This year's snow cover at the trials was longer than previous years with a total of 74 days of snow cover. The length of snow cover did not have any negative impacts on the plants in our trial. In March, some mild heaving was noted; however, the plants did not display any significant damage. The first hard freeze (temperatures below 25°F) after the trials were planted was recorded on October 10<sup>th</sup>, 2019 with a temperature of 21°F. Temperature data for the 2019-2020 Cool Season Trials are listed in Table 1. Weather records recovered from the National Oceanic and Atmospheric Administration (NOAA). Wind-chill factors are not included but can be quite significant in Colorado's winter climate.

	NOV	DEC	JAN	FEB	MAR	APR	MAY	
Precipitation (Inches)	1.3	0.3	0.1	0.9	1.3	0.5	1.7	
Snow, ice Pellets, Hail (Inches)	13.7	2.8	0.9	16.5	7.5	3.7	0.0	
Days of Snow Cover at Trials	5.0	31.0	27.0	11.0	0.0	0.0	0.0	
Temp. (°F)	Avg.	36.2	33.7	34.6	28.1	42.5	46.3	59.6
	Min.	-2.0	3.0	7.0	-5.0	11.0	11.0	30.0
	Max.	77.0	67.0	62.0	74.0	68.0	81.0	92.0
Table 1. Weather Data October 2019 through May 2020								

### Data Collection Methods

Rebekah Savage (Graduate Horticulture Student) collected data throughout the 2019-2020 Cool Season Trial.

The overall appearance 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).

The frost damage rating score was: 5 =poor condition (frost damage is significant), 4 =weak condition (struggling with some dieback), 3=average (healthy foliage), 2 =good condition (healthy foliage growth), and 1 =great condition (many flowers with healthy uniform foliage growth).

The bloom rate scoring was 1 = poor blooming (little to no blooms), 2 = minimal blooming (few blooms) 3 = average blooming (most are blooming, with several flowers), 4 = good blooming (multiple blooms on plants), 5 = great blooming (all plants are flowering prolifically)

Data was collected in November, March, April, and May. In December 2019, January, and February 2020 data was not collected due to snow cover.

## Conclusion

The 2019-2020 Cool Season Trials were a success; the trial entries were planted nearly a month earlier than the 2018-2019 trials, which accounts for the outcome of the 2019-2020 Cool Season Trials. Despite a frost on October 10<sup>th</sup> 2019, six days after the plants were transplanted into the Annual Trial Gardens; the plants did not suffer significant damage. Plants did slightly heave in the spring months but did not cause significant damage.

The evaluation day was delayed by approximately two weeks due to smaller than usual plant size among all the entries, this may have been due to the extensive length of time that the plants were under snow cover (74 days total). By evaluation week Sunday May 3<sup>rd</sup> - Sunday May 10<sup>th</sup> the plants were a good size. COVID-19 proposed unique challenges for evaluation day; however, we adapted by using an online evaluation form exclusively, encouraging evaluators to attend the gardens individually, and extending the evaluation period for a full week rather than a single day. Overall, evaluator turn out was great considering the circumstances. This is our sixth year collecting evaluation data with our online server, over the years this has been an efficient method of data collection. However, this year we were unable to collect “Best Of” votes, to accommodate the data loss we based the “Best Of” selections on average rating as well as evaluator comments.

We thank all of our cooperators in the 2019-2020 Cool Season Trials for their support and participation. We thank the evaluators for adapting to the extenuating circumstances of COVID-19 and for thorough evaluations. We look forward to your support again for the 2020-2021 Cool Season Trials.

## Best of Cool Season Trials 2019-2020

### **“Best of Show” - Pansy ‘Freefall XL™ Yellow Blotch’ from Syngenta Flowers**

This pansy ranked high for its “many flowers” and yellow color. It was voted high with comments such as “best yellow trailing”, “best yellow with blotch”, “very bright”, “very nice yellow blotch”, and “beautiful yellow”. In addition to flower color, this plant had good overwintering and tidy flowers.

### **Pansy ‘Matrix® Blue Blotch Improved’ from Ball Horticultural Company**

These full and uniform plants were so abundant in bloom that the foliage could barely be seen. Blooms were true to color with vibrant blue and a nice large blotch. The flower color popped at you on very uniform plants.

### **Pansy ‘Matrix® Yellow Purple Wing’ from Ball Horticultural Company**

This pansy was ranked great for color combination since it was showy and floriferous. The flowers are large with vibrant color combination of purple and yellow blotch. In addition, this plant was uniform and vigorous. Overall, it was an excellent and unique yellow pansy.

### **Viola ‘Sorbet® XP Blue True’ from Ball Horticultural Company**

An “excellent overall” plant fully decorated in vibrant blue flowers with good vigor and uniform growth. The uniquely blue flowers were a “rich blue color with tiny whiskers” and the blooms covered the entire plant. Throughout the entire cool season trial, Sorbet XP Blue True presented uniform growth and an abundant bloom.

### **Viola ‘Sorbet® XP Blue Blotch’ from Ball Horticultural Company**

This viola was ranked high for its uniform growth habit, “many flowers”, and “incredible color”. It had a generous display of flowers with “incredible color”. Flower color was not a true blue but an “iridescent” “deep purple”.

### **Viola ‘Quicktime™ Mickey’ from Ball Horticultural Company**

The unique flower and abundant bloom defined this cultivar. The “eye catching” flower is so unique that it was described as appearing to be painted. This petite flower blankets the plant with a “very uniform flower distribution”. The flower color is a “vibrant purple and cream” resembling Mickey Mouse faces. This plant also received praise for its uniform growth hab

### Appearance Rating by Student Coordinator<sup>2</sup>

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Bellis	Habanera Mix	Benary	3	2	2	2	3	3
Bellis	Robella	Benary	3	2	2	2	3	3
Bellis	Roggli Rose	Benary	3	1	1	1	2	2
Bellis	Roggli Red	Benary	3	1	1	1	1	1
Bellis	Speedstar® Plus Mix	Benary	3	1	1	1	1	1
Bellis	Speedstar® Plus Rose	Benary	3	1				
Bellis	Tasso™ Mix	Benary	3	1	1	2	2	2
Bellis	Tasso™ Strawberries and Cream	Benary	2	1	1	2	2	3
Bellis	Tasso™ Red	Benary	3	1	1	2	3	3
Pansy	Cats™ Mix	Benary	3	3	3	4	4	4
Pansy	Inspire DeluXXe® Blotch Mix	Benary	4	3	2	3	3	3
Pansy	Inspire® Plus Blotch Mix	Benary	3	2	2	2	3	3
Pansy	Joker Mix	Benary	4	3	3	4	5	4
Pansy	Spring Grandio Blotch Mix	Sakata	3	3	2	4	4	3
Pansy	Spring Grandio Clear Mix	Sakata	4	2	2	3	3	3
Pansy	Inspire® Purple and Orange	Benary	3	3	2	3	4	4
Pansy	Spring Grandio Clear Purple	Sakata	4	2	2	4	4	4
Pansy	Delta™ Premium Deep Blue	Syngenta	4	2	2	2	3	3
Pansy	Delta™ Premium Blue with Blotch	Syngenta	3	2	2	2	3	4
Pansy	Spring Grandio Blue with Blotch	Sakata	4	3	2	3	3	3
Pansy	Matrix® Blue Blotch Improved	Ball	3	4	3	4	4	4
Pansy	Spring Grandio Deep Blue with Blotch	Sakata	4	2	2	3	3	4

<sup>2</sup> Rating = 1(poor) to 5(good)



### Appearance Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Pansy	Delta™ Premium Lavender Blue Shades	Syngenta	3	2	3	2	2	3
Pansy	Inspire® Lilac Shades	Benary	3	2	2	3	3	3
Pansy	Delta™ Premium Pure Light Blue	Syngenta	3	2	1	1	1	2
Pansy	Delta™ Premium True Blue	Syngenta	3	2	1	1	1	1
Pansy	Spring Grandio True Blue	Sakata	3	2	2	2	3	3
Pansy	Delta™ Premium Pure Violet Improved	Syngenta	3	3	2	3	3	3
Pansy	Matrix® Midnight Glow	Ball	4	3	2	3	4	4
Pansy	Spring Grandio Clear Rose	Sakata	2	3	1	2	3	3
Pansy	Inspire® Scarlet	Benary	2	3	2	3	3	3
Pansy	Matrix® Red Blotch	Ball	2	2	1	2	3	3
Pansy	Inspire® Peach Shades	Benary	2	2	1	2	3	3
Pansy	Inspire® Terracotta	Benary	3	2	2	3	3	3
Pansy	Delta™ Premium Pure Yellow	Syngenta	2	3	3	3	4	4
Pansy	Spring Grandio Clear Yellow	Sakata	3	3	2	3	3	3
Pansy	Delta™ Premium Yellow with Blotch	Syngenta	2	2	1	1	2	2
Pansy	Matrix® Yellow Blotch	Ball	3	3	2	3	4	4
Pansy	Inspire® Yellow Red Wing	Benary	3	3	2	3	3	3
Pansy	Matrix® Yellow Purple Wing	Ball	4	2	2	3	4	4
Pansy	Delta™ Premium Pure White	Syngenta	3	3	2	3	3	3
Pansy	Spring Grandio Clear White	Sakata	2	2	2	3	3	3
Pansy	Delta™ Premium White with Blotch Improved	Syngenta	2	2	1	3	3	3
Pansy	Spring Grandio White with Blotch	Sakata	2	3	2	4	3	4
Pansy	Inspire® White Red Blotch	Benary	1	1	1	1	2	2
Pansy	Spring Grandio White with Rose Blotch	Sakata	3	3	2	3	4	3
Pansy trl	Freefall XL™ Scarlet Blotch	Syngenta	4	3	3	4	4	4

### Appearance Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Pansy trl	Freefall XL™ Victoriana	Syngenta	3	3	3	4	4	4
Pansy trl	Freefall XL™ Yellow Blotch	Syngenta	3	2	3	4	5	4
Primula	Crescendo™ Mix	Benary	3	2	2	2	3	3
Primula	Crescendo™ Blue Shades	Benary	3	1	1	1	1	1
Primula	Crescendo™ Rose Shades	Benary	2	1	1	1	1	1
Primula	Crescendo™ Bright Red	Benary	2	1	1	1	1	1
Primula	Crescendo™ Orange	Benary	3	1	1	1	1	1
Primula	Crescendo™ Yellow	Benary	3	1	2	2	2	2
Primula	Piano Mix	Benary	2	1	1	1	1	1
Primula	Piano Violet	Benary	3	1	1	1	2	2
Primula	Piano Red	Benary	3	1	2	2	3	3
Primula	Piano Yellow	Benary	3	2	2	3	3	3
Primula	Piano White	Benary	1	1	1	1	1	1
Viola	ColorMax Berry Pie	Sakata	3	3	3	3	3	3
Viola	ColorMax Citrus Mix	Sakata	3	2	3	4	3	4
Viola	ColorMax Lemonberry Pie Mix	Sakata	2	2	3	4	4	4
Viola	ColorMax Royal Mix	Sakata	2	3	3	3	3	3
Viola	ColorMax Clear Purple	Sakata	2	3	3	5	3	3
Viola	ColorMax Purple Glow	Sakata	3	3	4	4	5	4
Viola	Sorbet® XP Blue Blotch	Ball	4	3	4	4	5	5
Viola	ColorMax Icy Blue	Sakata	4	4	3	5	4	5
Viola	Quicktime™ Blue Purple Jump Up	Ball	3	2	3	3	3	3
Viola	Sorbet® XP Neptune	Ball	2	4	4	4	4	4
Viola	Quicktime™ Mickey	Ball	2	4	4	5	4	5
Viola	Sorbet® XP Blue True	Ball	4	3	4	5	5	5

### Appearance Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Viola	ColorMax Rose with Blotch	Sakata	3	3	3	4	5	5
Viola	Sorbet® XP Red Blotch	Ball	2	4	3	4	4	4
Viola	ColorMax Clear Orange	Sakata	2	2	3	4	3	4
Viola	Sorbet® XP Orange Deep	Ball	4	3	4	5	4	4
Viola	ColorMax Clear Yellow	Sakata	3	2	3	4	3	4
Viola	ColorMax Popcorn	Sakata	3	2	3	4	3	4
Viola	ColorMax Lemon Splash	Sakata	2	2	3	4	4	4
Viola	ColorMax Yellow Jump Up	Sakata	3	2	2	3	3	3
Viola	Quicktim™ Lemon Jump Up	Ball	3	3	4	3	3	3
Viola	Quicktime™ Yellow Blue Jump Up	Ball	4	2	4	4	4	4
Viola	Quicktime™ Yellow Violet Jump Up	Ball	3	2	4	3	3	3
Viola	Quicktime™ White Blotch	Ball	4	2	3	3	3	3

### Frost Damage Rating by Student Coordinator<sup>3</sup>

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Bellis	Habanera Mix	Benary	3	4	2	1	1	1
Bellis	Robella	Benary	3	4	1	1	1	1
Bellis	Roggli Rose	Benary	3	5	1	1	1	1
Bellis	Roggli Red	Benary	3	5	1	1	1	1
Bellis	Speedstar® Plus Mix	Benary	3	5	1	1	1	1
Bellis	Speedstar® Plus Rose	Benary	3	5				
Bellis	Tasso™ Mix	Benary	3	5	1	1	1	1
Bellis	Tasso™ Strawberries and Cream	Benary	3	5	1	1	1	1
Bellis	Tasso™ Red	Benary	3	5	1	1	1	1
Pansy	Cats™ Mix	Benary	2	3	2	1	1	1
Pansy	Inspire DeluXXe® Blotch Mix	Benary	2	3	3	1	1	1
Pansy	Inspire® Plus Blotch Mix	Benary	3	3	3	1	1	1
Pansy	Joker Mix	Benary	2	3	2	1	1	1
Pansy	Spring Grandio Blotch Mix	Sakata	2	3	2	1	1	1
Pansy	Spring Grandio Clear Mix	Sakata	2	4	2	1	1	1
Pansy	Inspire® Purple and Orange	Benary	2	3	2	1	1	1
Pansy	Spring Grandio Clear Purple	Sakata	2	4	2	1	1	1
Pansy	Delta™ Premium Deep Blue	Syngenta	2	4	2	1	1	1
Pansy	Delta™ Premium Blue with Blotch	Syngenta	2	3	2	1	1	1
Pansy	Spring Grandio Blue with Blotch	Sakata	2	3	3	1	1	1
Pansy	Matrix® Blue Blotch Improved	Ball	2	3	2	1	1	1

<sup>3</sup> Rating = 1(little to no dieback) to 5(severe/dead)

### Frost Damage Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Pansy	Spring Grandio Deep Blue with Blotch	Sakata	2	4	2	1	1	1
Pansy	Delta™ Premium Lavender Blue Shades	Syngenta	2	4	3	1	1	1
Pansy	Inspire® Lilac Shades	Benary	2	4	3	1	1	1
Pansy	Delta™ Premium Pure Light Blue	Syngenta	3	4	4	1	1	1
Pansy	Delta™ Premium True Blue	Syngenta	2	4	4	1	1	1
Pansy	Spring Grandio True Blue	Sakata	2	4	4	1	1	1
Pansy	Delta™ Premium Pure Violet Improved	Syngenta	2	3	2	1	1	1
Pansy	Matrix® Midnight Glow	Ball	2	3	2	1	1	1
Pansy	Spring Grandio Clear Rose	Sakata	2	3	4	1	1	1
Pansy	Inspire® Scarlet	Benary	2	3	3	1	1	1
Pansy	Matrix® Red Blotch	Ball	2	4	3	1	1	1
Pansy	Inspire® Peach Shades	Benary	2	5	3	1	1	1
Pansy	Inspire® Terracotta	Benary	2	4	3	1	1	1
Pansy	Delta™ Premium Pure Yellow	Syngenta	2	3	2	1	1	1
Pansy	Spring Grandio Clear Yellow	Sakata	2	4	3	1	1	1
Pansy	Delta™ Premium Yellow with Blotch	Syngenta	2	4	4	1	1	1
Pansy	Matrix® Yellow Blotch	Ball	2	3	2	1	1	1
Pansy	Inspire® Yellow Red Wing	Benary	2	3	2	1	1	1
Pansy	Matrix® Yellow Purple Wing	Ball	2	4	2	1	1	1
Pansy	Delta™ Premium Pure White	Syngenta	2	3	2	1	1	1
Pansy	Spring Grandio Clear White	Sakata	2	3	2	1	1	1
Pansy	Delta™ Premium White with Blotch Improved	Syngenta	2	4	2	1	1	1
Pansy	Spring Grandio White with Blotch	Sakata	2	3	2	1	1	1
Pansy	Inspire® White Red Blotch	Benary	2	4	3	1	1	1

### Frost Damage Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Pansy	Spring Grandio White with Rose Blotch	Sakata	2	3	3	1	1	1
Pansy trl	Freefall XL™ Scarlet Blotch	Syngenta	2	3	2	1	1	1
Pansy trl	Freefall XL™ Victoriana	Syngenta	2	3	2	1	1	1
Pansy trl	Freefall XL™ Yellow Blotch	Syngenta	2	3	2	1	1	1
Primula	Crescendo™ Mix	Benary	3	4	1	1	1	1
Primula	Crescendo™ Blue Shades	Benary	3	5	1	1	1	1
Primula	Crescendo™ Rose Shades	Benary	4	5	1	2	1	1
Primula	Crescendo™ Bright Red	Benary	4	5	1	1	1	1
Primula	Crescendo™ Orange	Benary	3	5	1	1	1	1
Primula	Crescendo™ Yellow	Benary	3	5	1	1	1	1
Primula	Piano Mix	Benary	3	5	1	2	1	1
Primula	Piano Violet	Benary	2	5	1	1	1	1
Primula	Piano Red	Benary	2	5	1	1	1	1
Primula	Piano Yellow	Benary	2	4	1	1	1	1
Primula	Piano White	Benary	4	5	1	1	1	1
Viola	ColorMax Berry Pie	Sakata	2	3	2	1	1	1
Viola	ColorMax Citrus Mix	Sakata	2	3	2	1	1	1
Viola	ColorMax Lemonberry Pie Mix	Sakata	2	3	2	1	1	1
Viola	ColorMax Royal Mix	Sakata	2	3	2	1	1	1
Viola	ColorMax Clear Purple	Sakata	2	2	2	1	1	1
Viola	ColorMax Purple Glow	Sakata	2	2	2	1	1	1
Viola	Sorbet® XP Blue Blotch	Ball	2	2	2	1	1	1
Viola	ColorMax Icy Blue	Sakata	2	2	2	1	1	1
Viola	Quicktime™ Blue Purple Jump Up	Ball	2	4	2	1	1	1
Viola	Sorbet® XP Neptune	Ball	2	1	2	1	1	1

### Frost Damage Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Viola	Quicktime™ Mickey	Ball	2	2	2	1	1	1
Viola	Sorbet® XP Blue True	Ball	2	2	2	1	1	1
Viola	ColorMax Rose with Blotch	Sakata	2	3	2	1	1	1
Viola	Sorbet® XP Red Blotch	Ball	2	3	2	1	1	1
Viola	ColorMax Clear Orange	Sakata	2	4	2	1	1	1
Viola	Sorbet® XP Orange Deep	Ball	2	2	2	1	1	1
Viola	ColorMax Clear Yellow	Sakata	2	3	2	1	1	1
Viola	ColorMax Popcorn	Sakata	2	3	2	1	1	1
Viola	ColorMax Lemon Splash	Sakata	2	3	2	1	1	1
Viola	ColorMax Yellow Jump Up	Sakata	2	3	2	1	1	1
Viola	Quicktim™ Lemon Jump Up	Ball	2	3	2	1	1	1
Viola	Quicktime™ Yellow Blue Jump Up	Ball	2	3	2	1	1	1
Viola	Quicktime™ Yellow Violet Jump Up	Ball	2	3	2	1	1	1
Viola	Quicktime™ White Blotch	Ball	2	4	2	1	1	1

**Bloom Rating by Student Coordinator<sup>4</sup>**

<b>Genus</b>	<b>Cultivar</b>	<b>Company</b>	<b>11/8/19</b>	<b>3/4/20</b>	<b>4/10/20</b>	<b>4/30/20</b>	<b>5/15/20</b>	<b>5/29/20</b>
Bellis	Habanera Mix	Benary	1	1	2	2	3	4
Bellis	Robella	Benary	1	1	3	3	4	5
Bellis	Roggli Rose	Benary	1	1	2	3	3	4
Bellis	Roggli Red	Benary	2	2	2	2	2	4
Bellis	Speedstar® Plus Mix	Benary	2	1	1	2	2	2
Bellis	Speedstar® Plus Rose	Benary	2	1				
Bellis	Tasso™ Mix	Benary	2	1	2	2	3	3
Bellis	Tasso™ Strawberries and Cream	Benary	1	1	1	2	3	3
Bellis	Tasso™ Red	Benary	2	1	2	2	3	4
Pansy	Cats™ Mix	Benary	3	2	3	4	5	5
Pansy	Inspire DeluXXe® Blotch Mix	Benary	3	2	2	3	4	4
Pansy	Inspire® Plus Blotch Mix	Benary	3	2	3	3	4	4
Pansy	Joker Mix	Benary	1	1	2	5	5	5
Pansy	Spring Grandio Blotch Mix	Sakata	2	2	3	4	4	4
Pansy	Spring Grandio Clear Mix	Sakata	3	2	3	4	4	5
Pansy	Inspire® Purple and Orange	Benary	2	2	2	3	4	3
Pansy	Spring Grandio Clear Purple	Sakata	2	2	3	4	5	4
Pansy	Delta™ Premium Deep Blue	Syngenta	2	2	3	3	4	4
Pansy	Delta™ Premium Blue with Blotch	Syngenta	2	2	2	3	4	3
Pansy	Spring Grandio Blue with Blotch	Sakata	2	2	4	4	5	3
Pansy	Matrix® Blue Blotch Improved	Ball	2	2	3	5	5	5
Pansy	Spring Grandio Deep Blue with Blotch	Sakata	2	2	3	4	4	4
Pansy	Delta™ Premium Lavender Blue Shades	Syngenta	3	2	4	5	4	4

<sup>4</sup> Rating = 1(no blooms) to 5(abundant blooms)



### Bloom Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Pansy	Inspire® Lilac Shades	Benary	2	2	2	4	4	4
Pansy	Delta™ Premium Pure Light Blue	Syngenta	2	2	2	2	2	2
Pansy	Delta™ Premium True Blue	Syngenta	2	1	2	2	2	2
Pansy	Spring Grandio True Blue	Sakata	2	3	3	3	3	3
Pansy	Delta™ Premium Pure Violet Improved	Syngenta	2	2	3	4	3	4
Pansy	Matrix® Midnight Glow	Ball	3	2	3	5	4	5
Pansy	Spring Grandio Clear Rose	Sakata	2	1	2	3	3	4
Pansy	Inspire® Scarlet	Benary	2	1	2	3	4	4
Pansy	Matrix® Red Blotch	Ball	2	1	2	2	3	3
Pansy	Inspire® Peach Shades	Benary	3	1	3	3	4	4
Pansy	Inspire® Terracotta	Benary	2	2	3	3	4	4
Pansy	Delta™ Premium Pure Yellow	Syngenta	2	2	4	3	5	5
Pansy	Spring Grandio Clear Yellow	Sakata	2	2	3	3	4	4
Pansy	Delta™ Premium Yellow with Blotch	Syngenta	2	1	2	2	4	3
Pansy	Matrix® Yellow Blotch	Ball	2	1	2	5	5	5
Pansy	Inspire® Yellow Red Wing	Benary	2	1	2	3	4	4
Pansy	Matrix® Yellow Purple Wing	Ball	2	2	2	4	5	5
Pansy	Delta™ Premium Pure White	Syngenta	2	1	3	4	3	4
Pansy	Spring Grandio Clear White	Sakata	2	1	3	3	4	4
Pansy	Delta™ Premium White with Blotch Improved	Syngenta	2	2	3	3	5	5
Pansy	Spring Grandio White with Blotch	Sakata	2	1	2	4	5	5
Pansy	Inspire® White Red Blotch	Benary	3	1	2	2	3	3
Pansy	Spring Grandio White with Rose Blotch	Sakata	2	1	2	5	5	5
Pansy trl	Freefall XL™ Scarlet Blotch	Syngenta	2	2	3	4	5	4
Pansy trl	Freefall XL™ Victoriana	Syngenta	3	1	3	4	4	4

### Bloom Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Pansy trl	Freefall XL™ Yellow Blotch	Syngenta	3	2	4	5	5	5
Primula	Crescendo™ Mix	Benary	1	1	2	2	2	2
Primula	Crescendo™ Blue Shades	Benary	1	1	1	1	1	1
Primula	Crescendo™ Rose Shades	Benary	1	1	1	1	1	1
Primula	Crescendo™ Bright Red	Benary	1	1	1	1	2	1
Primula	Crescendo™ Orange	Benary	1	1	1	1	1	1
Primula	Crescendo™ Yellow	Benary	1	1	1	1	1	1
Primula	Piano Mix	Benary	1	1	1	1	1	1
Primula	Piano Violet	Benary	1	1	1	1	1	2
Primula	Piano Red	Benary	1	1	2	2	1	2
Primula	Piano Yellow	Benary	1	1	3	2	2	2
Primula	Piano White	Benary	1	1	1	1	1	1
Viola	ColorMax Berry Pie	Sakata	4	3	4	5	4	4
Viola	ColorMax Citrus Mix	Sakata	2	2	4	4	5	4
Viola	ColorMax Lemonberry Pie Mix	Sakata	2	2	3	5	5	4
Viola	ColorMax Royal Mix	Sakata	2	2	4	5	4	3
Viola	ColorMax Clear Purple	Sakata	2	1	4	5	4	4
Viola	ColorMax Purple Glow	Sakata	3	2	4	5	5	5
Viola	Sorbet® XP Blue Blotch	Ball	5	4	5	5	5	5
Viola	ColorMax Icy Blue	Sakata	2	3	4	5	5	5
Viola	Quicktime™ Blue Purple Jump Up	Ball	4	2	4	5	4	4
Viola	Sorbet® XP Neptune	Ball	3	3	5	5	4	4
Viola	Quicktime™ Mickey	Ball	2	4	5	5	5	4
Viola	Sorbet® XP Blue True	Ball	5	5	5	5	5	5
Viola	ColorMax Rose with Blotch	Sakata	3	3	4	5	4	4

### Bloom Rating by Student Coordinator

Genus	Cultivar	Company	11/8/19	3/4/20	4/10/20	4/30/20	5/15/20	5/29/20
Viola	Sorbet® XP Red Blotch	Ball	2	2	4	5	4	4
Viola	ColorMax Clear Orange	Sakata	2	1	3	4	4	4
Viola	Sorbet® XP Orange Deep	Ball	3	2	4	4	4	4
Viola	ColorMax Clear Yellow	Sakata	3	4	4	5	5	5
Viola	ColorMax Popcorn	Sakata	4	4	4	5	5	5
Viola	ColorMax Lemon Splash	Sakata	4	3	3	5	5	5
Viola	ColorMax Yellow Jump Up	Sakata	4	3	2	5	4	4
Viola	Quicktim™ Lemon Jump Up	Ball	4	4	4	4	4	4
Viola	Quicktime™ Yellow Blue Jump Up	Ball	5	5	4	5	5	5
Viola	Quicktime™ Yellow Violet Jump Up	Ball	5	4	3	4	4	4
Viola	Quicktime™ White Blotch	Ball	5	5	4	5	5	5

### Overall Rating and Comments by Evaluators on Evaluation Week 5/3/2020 to 5/10/20

Genus	Species	Company	Avg. Rating	Responses	Comments
Bellis	Habanera Mix	Benary	3.16	[1] Unique Colors, [1] Vigorous Plant, [2] Low Vigor, [2] Many Flowers, [2] Unique Flower Color, [2] Vibrant Flower Color, [3] Minor Winter Damage, [3] Non-Uniform, [3] Uniform, [4] Great Foliage, [6] Few Flowers	11 alive few flowers, 11 best, 3/12 blooming , Best one, Fact it survived and looks good, Had very good winter survival and only lost one out of 12 plants, over wintered well.
Bellis	Robella	Benary	3.11	[2] Non-Uniform, [2] Vigorous Plant, [3] Great Foliage, [3] Low Vigor, [3] Many Flowers, [3] Minor Winter Damage, [3] Unique Flower Color, [5] Uniform, [6] Few Flowers	12 alive best bellis, 12 next best, color too light for Colorado, Had excellent winter survival and did not lose any plants, Nice light pink flower.
Bellis	Roggli Rose	Benary	1.95	[1] Great Foliage, [1] Many Flowers, [1] Uniform, [1] Unique Flower, [1] Unique Flower Color, [2] Vibrant Flower Color, [3] Severe Winter Damage, [4] Minor Winter Damage, [4] Non-Uniform, [6] Few Flowers, [6] Low Vigor	6 alive, Flower color nice but few plants, Not too bad too, wish more survived, The plants toward the south edge of bed for roggli rose did better and had lots of blooms nice pink color, Winter survival was only about 20%.
Bellis	Roggli Red	Benary	1.16	[1] Few Flowers, [1] Non-Uniform, [4] Low Vigor, [6] Severe Winter Damage	Only one plant has survived the winter.
Bellis	Speedstar® Plus Mix	Benary	1.05	[1] Uniform, [2] Few Flowers, [4] Low Vigor, [7] Severe Winter Damage	No plants survive the winter.
Bellis	Speedstar® Plus Rose	Benary	1	[1] Few Flowers, [1] Uniform, [3] Low Vigor, [5] Severe Winter Damage	There were not any plants that survived the winter.

Bellis	Tasso™ Mix	Benary	1.95	[1] Unique Flower Color, [2] Severe Winter Damage, [4] Minor Winter Damage, [4] Non-Uniform, [6] Few Flowers, [9] Low Vigor	Odd mix of colors, Only 6 alive, Only about a third of the plants showed any signs of life after the winter
Bellis	Tasso™ Strawberries and Cream	Benary	2.37	[2] Uniform, [3] Minor Winter Damage, [4] Non-Uniform, [7] Few Flowers, [8] Low Vigor	Approximately 75% of the plants survive but the vigor looks a little low, Nice color, Not much to look at
Bellis	Tasso™ Red	Benary	2.68	[1] Great Foliage, [1] Many Flowers, [1] Uniform, [1] Vigorous Plant, [2] Minor Winter Damage, [3] Non-Uniform, [3] Unique Flower Color, [5] Vibrant Flower Color, [6] Low Vigor, [7] Few Flowers	Approximately 70% of the plants survived the winter, Nice deep red color with the yellow center.
Pansy	Cats™ Mix	Benary	3.74	[13] Many Flowers, [1] Disease Present, [1] Great Foliage, [1] Unique Flower, [2] Minor Winter Damage, [3] Unique Flower Color, [4] Non-Uniform, [5] Vigorous Plant, [6] Uniform, [6] Unique Colors, [6] Vibrant Flower Color	Great whiskered pansies, Interesting mix of solids and faces, Love the whiskers on flowers, Loved the mix of color and sizes of the flower, One of the best, Real mix of colors.
Pansy	Inspire DeluXXe® Blotch Mix	Benary	2.95	[1] Uniform, [2] Vibrant Flower Color, [3] Unique Flower Color, [5] Minor Winter Damage, [5] Non-Uniform, [7] Low Vigor, [8] Many Flowers	Flower sizes all over the map, Real mix of colors, Vigor is a little low and plants were not uniform.
Pansy	Inspire® Plus Blotch Mix	Benary	2.79	[1] Some Chlorosis, [1] Uniform, [1] Unique Flower Color, [1] Vibrant Flower Color, [2] Few Flowers, [3] Low Vigor, [3] Unique Colors, [6] Minor Winter Damage, [8] Many Flowers, [9] Non-Uniform	About half of the plants are very tiny with low vigor, Not uniform colors in mix, Not vigorous.

Pansy	Joker Mix	Benary	3.58	[11] Many Flowers, [1] Some Chlorosis, [2] Unique Colors, [2] Unique Flower Color, [3] Non-Uniform, [3] Vibrant Flower Color, [6] Uniform, [6] Vigorous Plant	All alive, Busy mix of colors and pattern, Odd mix of colors , Stretchy pedicels, the colors in this mix do not pair well together, The blooms are tall with lots of flower.
Pansy	Spring Grandio Blotch Mix	Sakata	3.32	[12] Many Flowers, [2] Great Foliage, [2] Non-Uniform, [2] Unique Colors, [3] Unique Flower Color, [3] Vigorous Plant, [5] Uniform, [5] Vibrant Flower Color	I like the darker flower color with the mix of white or yellow to help show the darker color, Nice jewel tones, Okay mix, but uneven vigor.
Pansy	Spring Grandio Clear Mix	Sakata	2.89	[1] Great Foliage, [1] Low Vigor, [1] Uniform, [1] Unique Colors, [1] Unique Flower, [1] Vigorous Plant, [2] Unique Flower Color, [2] Vibrant Flower Color, [3] Minor Winter Damage, [6] Many Flowers, [7] Non-Uniform	About one third of the plants had low vigor, Unique mix, Vibrant colors.
Pansy	Inspire® Purple and Orange	Benary	3.37	[1] Great Foliage, [1] Minor Winter Damage, [2] Low Vigor, [2] Non-Uniform, [2] Unique Flower, [2] Vigorous Plant, [3] Uniform, [5] Unique Flower Color, [5] Vibrant Flower Color, [7] Many Flowers, [9] Unique Colors	Great orange and purple color, Love it, Nice Consistent flower color and lots of blooms, Nice color contrast, Washes out loses purple edge.
Pansy	Spring Grandio Clear Purple	Sakata	3.79	[11] Many Flowers, [1] Minor Winter Damage, [2] Unique Flower Color, [3] Great Foliage, [3] Non-Uniform, [4] Vigorous Plant, [7] Uniform, [9] Vibrant Flower Color	Deep purple color, Good color, Some of the flowers are blotched so it is not entirely clear, Very nice presentation
Pansy	Delta™ Premium Deep Blue	Syngenta Flowers	2.89	[1] Severe Winter Damage, [1] Uniform, [1] Vigorous Plant, [2] Unique Flower Color, [3] Many Flowers, [3] Vibrant Flower Color, [5] Minor Winter Damage, [6] Low Vigor, [7] Non-Uniform	

Pansy	Delta™ Premium Blue with Blotch	Syngenta Flowers	2.79	[1] Few Flowers, [1] Great Foliage, [1] Some Chlorosis, [1] Unique Flower Color, [4] Minor Winter Damage, [5] Many Flowers, [5] Non-Uniform, [5] Vibrant Flower Color, [8] Low Vigor	Not as full, Smaller than expected.
Pansy	Spring Grandio Blue with Blotch	Sakata	2.95	[1] Few Flowers, [1] Unique Flower Color, [2] Vigorous Plant, [3] Minor Winter Damage, [3] Uniform, [4] Low Vigor, [4] Non-Uniform, [5] Vibrant Flower Color, [9] Many Flowers	Consistent blue flower color with a nice purple center Growing out to a light blue color, Faded color blue, Hard to see blotches.
Pansy	Matrix® Blue Blotch Improved	Ball	4.16	[12] Many Flowers, [12] Uniform, [1] Great Foliage, [1] Minor Winter Damage, [1] Non-Uniform, [1] Some Chlorosis, [1] Unique Flower, [2] Unique Flower Color, [6] Vigorous Plant, [9] Vibrant Flower Color	Flowers cover the entire plant could barely see the foliage, Full plants, Nice large blotch on vibrant blue flowers. Very uniform and good figure relatively speaking, Really pops good color, Uniform.
Pansy	Spring Grandio Deep Blue with Blotch	Sakata	3.37	[1] Color Does Not Match Name, [1] Low Vigor, [1] Minor Winter Damage, [1] Unique Colors, [2] Unique Flower Color, [4] Vigorous Plant, [5] Uniform, [6] Vibrant Flower Color, [7] Non-Uniform, [9] Many Flowers	Deep puple color, More of a purple than a deep blue, Strong purple.
Pansy	Delta™ Premium Lavender Blue Shades	Syngenta Flowers	2.84	[1] Unique Colors, [1] Unique Flower, [1] Vigorous Plant, [2] Uniform, [2] Vibrant Flower Color, [3] Severe Winter Damage, [4] Low Vigor, [4] Unique Flower Color, [5] Minor Winter Damage, [7] Many Flowers, [7] Non-Uniform	About half of the plants did not survive the winter, very weak bigger, Many flowers but inconsistent plant. Nice color combo, Really like the color, Shades well named, Wonderful combination of color but low vigor.
Pansy	Inspire® Lilac Shades	Benary	2.53	[2] Minor Winter Damage, [2] Severe Winter Damage, [2] Uniform, [2] Unique Flower Color, [2] Vigorous Plant, [3] Unique Colors, [4] Low Vigor, [5] Many Flowers, [8] Non-Uniform	Nice light purple with the white flower color with a hint of a deep purple flower, Uneven growth habit, White fades unattractively.

Pansy	Delta™ Premium Pure Light Blue	Syngenta Flowers	1.53	[1] Unique Flower, [3] Non-Uniform, [5] Few Flowers, [7] Low Vigor, [8] Severe Winter Damage	Few plants, Little to judge.
Pansy	Delta™ Premium True Blue	Syngenta Flowers	1.16	[1] Vibrant Flower Color, [2] Non-Uniform, [4] Few Flowers, [6] Low Vigor, [9] Severe Winter Damage	Almost all plants dying during the winter, Nothing much to judge, Only small plants.
Pansy	Spring Grandio True Blue	Sakata	3.05	[11] Non-Uniform, [1] Unique Colors, [1] Vigorous Plant, [2] Great Foliage, [2] Uniform, [2] Unique Flower Color, [2] Vibrant Flower Color, [4] Low Vigor, [5] Minor Winter Damage, [8] Many Flowers	Consistent light blue color, Nicest of the true blue category with good over-winter survival rate.
Pansy	Delta™ Premium Pure Violet Improved	Syngenta Flowers	3.26	[1] Great Foliage, [1] Some Chlorosis, [1] Unique Colors, [1] Unique Flower Color, [3] Minor Winter Damage, [4] Non-Uniform, [5] Uniform, [5] Vibrant Flower Color, [6] Vigorous Plant, [8] Many Flowers	Nice violet, Vibrant deep purple flower color covers the entire plant.
Pansy	Matrix® Midnight Glow	Ball	4	[11] Vigorous Plant, [13] Many Flowers, [13] Unique Flower Color, [1] Few Flowers, [1] Great Foliage, [1] Unique Flower, [4] Unique Colors, [5] Vibrant Flower Color, [9] Uniform	Large flowers, Interesting color, It glows, Love the color, Nice yellow center that leads to a maroon yellow and then a purple, Unique color.
Pansy	Spring Grandio Clear Rose	Sakata	2.68	[1] Uniform, [1] Unique Flower, [2] Few Flowers, [3] Many Flowers, [3] Unique Flower Color, [5] Minor Winter Damage, [7] Low Vigor, [7] Non-Uniform	Color washed out, Interesting large yellow center, red fades unattractively.
Pansy	Inspire® Scaret	Benary	2.63	[1] Few Flowers, [1] Great Foliage, [1] Some Chlorosis, [1] Unique Colors, [1] Unique Flower, [1] Vibrant Flower Color, [3] Many Flowers, [4] Low Vigor, [4] Unique Flower Color, [6] Minor Winter Damage, [8] Non-Uniform	Better name is bronze, Flower color fades.



Pansy	Matrix® Red Blotch	Ball	1.95	[12] Low Vigor, [1] Some Chlorosis, [1] Unique Flower, [1] Unique Flower Color, [2] Minor Winter Damage, [4] Severe Winter Damage, [6] Non-Uniform, [8] Few Flowers	Flower color fades, not happy.
Pansy	Inspire® Peach Shades	Benary	2.32	[1] Disease Present, [1] Minor Winter Damage, [1] Uniform, [1] Unique Colors, [1] Unique Flower, [2] Color Does Not Match Name, [2] Many Flowers, [2] Severe Winter Damage, [3] Few Flowers, [5] Unique Flower Color, [7] Low Vigor, [8] Non-Uniform	Flower color fades, More cream than peach tones, Nice lighter colors gives off a warm feeling almost like a peach color, older flowers look poor and decrease the overall appearance of the plant.
Pansy	Inspire® Terracotta	Benary	3.05	[1] Unique Flower, [2] Color Does Not Match Name, [2] Low Vigor, [2] Some Chlorosis, [2] Uniform, [2] Vibrant Flower Color, [3] Minor Winter Damage, [3] Vigorous Plant, [4] Unique Colors, [6] Many Flowers, [7] Non-Uniform, [8] Unique Flower Color	Colors are not crisp. Muddy, flower color fades significantly, Interesting shades of orange and red, Not terra cotta more rose shades, Not uniform.
Pansy	Delta™ Premium Pure Yellow	Syngenta Flowers	3.84	[12] Many Flowers, [1] Some Chlorosis, [1] Unique Flower Color, [2] Great Foliage, [2] Non-Uniform, [3] Minor Winter Damage, [8] Uniform, [9] Vibrant Flower Color, [9] Vigorous Plant	All yellow color in flower, Good size to flowers, Nice clear sunny yellow, Nice pure yellow almost covers the plants.
Pansy	Spring Grandio Clear Yellow	Sakata	2.63	[10] Non-Uniform, [1] Few Flowers, [1] Severe Winter Damage, [1] Vigorous Plant, [2] Vibrant Flower Color, [3] Minor Winter Damage, [4] Many Flowers, [6] Low Vigor	Pretty severe heaving.
Pansy	Delta™ Premium Yellow with Blotch	Syngenta Flowers	1.68	[1] Vibrant Flower Color, [1] Vigorous Plant, [2] Minor Winter Damage, [4] Severe Winter Damage, [7] Few Flowers, [7] Non-Uniform, [9] Low Vigor	Not vigorous, Poor.

Pansy	Matrix® Yellow Blotch	Ball	3.63	[10] Vigorous Plant, [12] Uniform, [14] Many Flowers, [1] Some Chlorosis, [1] Unique Colors, [1] Unique Flower Color, [2] Minor Winter Damage, [5] Vibrant Flower Color	One of the best yellow pansy, Nice flower covers the entire plant, Very uniform good variety
Pansy	Inspire® Yellow Red Wing	Benary	3.53	[1] Great Foliage, [1] Minor Winter Damage, [1] Unique Flower, [3] Uniform, [4] Unique Colors, [4] Vigorous Plant, [5] Vibrant Flower Color, [6] Many Flowers, [7] Non-Uniform, [7] Unique Flower Color	Big blooms and small blooms not uniform and moderate vigor, Ruby with yellow blotches great flower color pattern, Very interesting large burgundy petals.
Pansy	Matrix® Yellow Purple Wing	Ball	4.16	[12] Uniform, [14] Many Flowers, [1] Minor Winter Damage, [2] Great Foliage, [3] Unique Flower, [6] Unique Flower Color, [7] Vigorous Plant, [8] Vibrant Flower Color	Good flower color mix, Nice color combination it pops, Really beautiful large flower another great color combination with the vibrant purple and yellow blotch, Showy and floriferous.
Pansy	Delta™ Premium Pure White	Syngenta Flowers	2.74	[2] Few Flowers, [2] Minor Winter Damage, [2] Non-Uniform, [5] Low Vigor, [6] Many Flowers, [7] Uniform	Best of the clear whites, older flowers decrease overall appearance of the plant, Petals look too delicate, did not overwinter well, Weak petals.
Pansy	Spring Grandio Clear White	Sakata	2.95	[1] Some Chlorosis, [2] Minor Winter Damage, [2] Vigorous Plant, [3] Uniform, [4] Low Vigor, [5] Non-Uniform, [6] Many Flowers	Older flowers decrease overall appearance of the plant, Smaller flower size.
Pansy	Delta™ Premium White with Blotch Improved	Syngenta Flowers	2.74	[1] Great Foliage, [1] Uniform, [1] Unique Flower, [1] Unique Flower Color, [2] Vibrant Flower Color, [2] Vigorous Plant, [6] Many Flowers, [6] Minor Winter Damage, [8] Non-Uniform	Blotches fade badly, Pale foliage, Uneven in growth, White on Petals held up well, purple Bloch fades attractively.

Pansy	Spring Grandio White with Blotch	Sakata	4.11	[11] Many Flowers, [12] Uniform, [1] Minor Winter Damage, [1] Unique Colors, [2] Unique Flower Color, [3] Great Foliage, [5] Vibrant Flower Color, [9] Vigorous Plant	Best of the white with blotch, Flower covers the entire plant and big blooms, Most vigorous and uniform of the white with a nice dark purple blotch in a pure white flower, Vigorous and larger flower.
Pansy	Inspire® White Red Blotch	Benary	1.47	[1] Many Flowers, [1] Minor Winter Damage, [1] Unique Colors, [1] Unique Flower Color, [4] Few Flowers, [6] Non-Uniform, [7] Severe Winter Damage, [9] Low Vigor	
Pansy	Spring Grandio White with Rose Blotch	Sakata	3.26	[1] Color Does Not Match Name, [1] Great Foliage, [2] Vibrant Flower Color, [4] Minor Winter Damage, [4] Uniform, [4] Unique Colors, [7] Many Flowers, [8] Unique Flower Color, [9] Non-Uniform, [9] Vigorous Plant	More of a Rosie peach color flower with white. , Blotches fade looks washed out, Fuchsia pink instead of rose, Many of the flowers were very creamy leading to a muddy overall appearance of the flower, Petals look delicate, but unique blotch colors, Red blotch fades.
Pansy (trailing)	Freefall XL™ Scarlet Blotch	Syngenta Flowers	4.11	[10] Uniform, [16] Many Flowers, [1] Non-Uniform, [2] Great Foliage, [2] Unique Flower, [3] Unique Colors, [6] Unique Flower Color, [8] Vibrant Flower Color, [9] Vigorous Plant	Flower color fades, flowers held nicely above plant. Crisp color, Good small flower size. Unique orange color, Love it very vibrant, Nice orange reddish flower color, almost like a wildfire glow at night, Very vibrant hot spot in spring.

Pansy (trailing)	Freefall XL™ Victoriana	Syngenta Flowers	3.58	[10] Vigorous Plant, [14] Many Flowers, [1] Great Foliage, [1] Minor Winter Damage, [2] Unique Colors, [3] Unique Flower, [4] Vibrant Flower Color, [6] Uniform, [6] Unique Flower Color	Looks good, Smaller size flower, striking flower pattern.
Pansy (trailing)	Freefall XL™ Yellow Blotch	Syngenta Flowers	4.53	[12] Vigorous Plant, [16] Many Flowers, [16] Uniform, [1] Minor Winter Damage, [1] Unique Colors, [1] Unique Flower, [1] Unique Flower Color, [2] Great Foliage, [9] Vibrant Flower Color	Best yellow trailing, Best yellow with blotch, Flower covers the whole plant with nice red maroonish center, Interesting small blotch, Tiny blotches but attractive, very bright, Almost no winter damage.
Primula	Crescendo™ Mix	Benary	2.63	[11] Low Vigor, [1] Vigorous Plant, [2] Minor Winter Damage, [3] Non-Uniform, [4] Uniform, [6] Few Flowers	All alive, Early still., Good survival but low vigor , Highest survival rate of primrose., Small, Superior winter survival with nearly 100% coming through the winter.
Primula	Crescendo™ Blue Shades	Benary	1.05	[1] Few Flowers, [1] Non-Uniform, [5] Low Vigor, [8] Severe Winter Damage	Approximately 90% failed to survive the winter.
Primula	Crescendo™ Rose Shades	Benary	1.42	[1] Few Flowers, [1] Non-Uniform, [1] Some Chlorosis, [4] Low Vigor, [6] Severe Winter Damage	Approximately 90% of the plants failed to survive the winter.
Primula	Crescendo™ Bright Red	Benary	1.26	[1] Few Flowers, [1] Non-Uniform, [5] Low Vigor, [7] Severe Winter Damage	All of the plants failed to survive the winter.
Primula	Crescendo™ Orange	Benary	1.16	[1] Few Flowers, [1] Non-Uniform, [6] Low Vigor, [7] Severe Winter Damage	More like golden flower color, Approximately 90% of the plants failed to survived the winter.

Primula	Crescendo™ Yellow	Benary	2.26	[2] Non-Uniform, [3] Few Flowers, [5] Minor Winter Damage, [8] Low Vigor	No color, Not in flower yet, Uniformity is not very good as only about two-thirds of the plants survived the winter.
Primula	Piano Mix	Benary	1.11	[1] Few Flowers, [1] Uniform, [3] Low Vigor, [6] Severe Winter Damage	Virtually all are dead.
Primula	Piano Violet	Benary	1.37	[1] Non-Uniform, [1] Uniform, [2] Few Flowers, [5] Severe Winter Damage, [7] Low Vigor	Slow to emerge but most plants seem to have survived but not very vigorously.
Primula	Piano Red	Benary	2.21	[3] Few Flowers, [3] Uniform, [4] Minor Winter Damage, [7] Low Vigor	Most alive, but not blooming, Nearly all plants survived but some are more vigorous than others, One of the better primula that made it through the winter.
Primula	Piano Yellow	Benary	2.74	[1] Non-Uniform, [1] Unique Flower, [1] Vibrant Flower Color, [2] Great Foliage, [3] Minor Winter Damage, [3] Vigorous Plant, [6] Low Vigor, [8] Few Flowers	Almost all the plants are better than any other primula in trial but there are one or two that have very low vigor, There are some flowers open and new buds popping up.
Primula	Piano White	Benary	1.11	[1] Few Flowers, [1] Non-Uniform, [5] Low Vigor, [6] Severe Winter Damage	Only one plant survived and at least 95% of the rest died.
Viola	ColorMax Berry Pie	Sakata	3.21	[10] Many Flowers, [1] Minor Winter Damage, [1] Unique Flower, [1] Vigorous Plant, [2] Low Vigor, [2] Unique Flower Color, [3] Uniform, [3] Unique Colors, [6] Vibrant Flower Color, [7] Non-Uniform	Cool color combo how the yellow bleeds into magenta/purple, Mix of colors, Smaller plants are attractive but color is variable.

Viola	ColorMax Citrus Mix	Sakata	3.47	[12] Many Flowers, [1] Low Vigor, [1] Unique Flower Color, [2] Non-Uniform, [2] Unique Colors, [5] Vibrant Flower Color, [6] Vigorous Plant, [7] Uniform	Good vigor and unique size of bloom and color combo. Not all plants have the white color in them though, Only a few free plants have white on them and the rest are mostly orange and yellow, Oranges don't mix well, White is weak yellow dominant.
Viola	ColorMax Lemonberry Pie Mix	Sakata	3.89	[11] Vigorous Plant, [14] Many Flowers, [1] Minor Winter Damage, [2] Unique Flower, [4] Unique Colors, [4] Vibrant Flower Color, [5] Unique Flower Color, [6] Uniform	Especially nice springtime mix with shades of soft blue vibrant yellow and a rich purple, More violet than yellow, Nice light purple flowers with the faded yellow flowers, Nice mix! Love the blue, Pretty color combo, Very attractive mix of colors and all pretty vigorous with good uniformity.
Viola	ColorMax Royal Mix	Sakata	3.32	[10] Many Flowers, [1] Great Foliage, [1] Low Vigor, [1] Unique Flower, [2] Minor Winter Damage, [2] Unique Colors, [2] Unique Flower Color, [4] Uniform, [5] Vigorous Plant, [6] Non-Uniform, [6] Vibrant Flower Color	Clean looking flower color, Good contrast, and distribution of colors, Hard to make two color mix uniform.
Viola	ColorMax Clear Purple	Sakata	3.53	[12] Many Flowers, [1] Few Flowers, [1] Great Foliage, [1] Minor Winter Damage, [3] Non-Uniform, [6] Uniform, [6] Vigorous Plant, [7] Vibrant Flower Color	Good purple color, Petal shade is unique and interesting, not extremely vigorous. Purple does not fade great, Smaller flowers but nice purple color.
Viola	ColorMax Purple Glow	Sakata	3.68	[10] Vigorous Plant, [12] Many Flowers, [12] Uniform, [1] Unique Flower, [2] Non-Uniform, [2] Unique Colors, [2] Unique Flower Color, [8] Vibrant Flower Color	Good name for, Great color blend! , Hint of yellow and blush of color and whiskers make it work, Little fading, Nice plant habit. Great color

Viola	Sorbet® XP Blue Blotch	Ball	4.37	[11] Vibrant Flower Color, [11] Vigorous Plant, [12] Uniform, [15] Many Flowers, [1] Color Does Not Match Name, [3] Great Foliage, [3] Unique Flower Color	Appears deep purple. Incredible color but not true to name, Beautiful color, Blotch not very pronounced , Deep vibrant blue color with bright yellow eye that pops, Flowers cover the entire plant, Overall excellent, Very iridescent!
Viola	ColorMax Icy Blue	Sakata	4.26	[11] Vigorous Plant, [15] Many Flowers, [1] Great Foliage, [3] Non-Uniform, [3] Vibrant Flower Color, [4] Unique Colors, [7] Unique Flower Color, [9] Uniform	Best of light blues , Fades really nicely , Few light blooms actually detract from great plant, Lovely soft blue with touches of cream flowers, Very showy.
Viola	Quicktime™ Blue Purple Jump Up	Ball	2.74	[12] Non-Uniform, [1] Uniform, [1] Vigorous Plant, [2] Unique Colors, [3] Vibrant Flower Color, [4] Unique Flower Color, [5] Minor Winter Damage, [6] Low Vigor, [8] Many Flowers	I like the deeper purple top flower petals with lighter purple bottom flower petals , Many small flowers on plants, Really love that color, Some very small plants, Very interesting blend. Interesting flower size.
Viola	Sorbet® XP Neptune	Ball	3.79	[11] Many Flowers, [1] Minor Winter Damage, [1] Unique Flower, [2] Non-Uniform, [2] Unique Colors, [3] Vibrant Flower Color, [4] Unique Flower Color, [8] Uniform, [9] Vigorous Plant	Uniform plants

Viola	Quicktime™ Mickey	Ball	4.32	[11] Vigorous Plant, [14] Uniform, [16] Many Flowers, [2] Great Foliage, [2] Unique Colors, [4] Unique Flower, [5] Vibrant Flower Color, [8] Unique Flower Color	Almost looks painted very fresh looking, Cute color pattern, Cute tiny plant, eye-catching flower. Very uniform flower distribution. Perfect name, Smaller overall flower size, Small flowers but loaded with them and great springtime color pattern in vibrant purple and cream, Very cute face, Unique and tight habit.
Viola	Sorbet® XP Blue True	Ball	4.53	[11] Vibrant Flower Color, [14] Vigorous Plant, [15] Uniform, [17] Many Flowers, [1] Great Foliage, [1] Unique Colors, [1] Unique Flower Color, [2] Unique Flower	Best medium blue, best vigor , Blooms cover the entire plant definitely a nice blue color, Excellent overall, Just good and dependable not flashy, Rich blue color with tiny whiskers plants are loaded with flowers, Very beautiful bright blue color.
Viola	ColorMax Rose with Blotch	Sakata	3.79	[10] Uniform, [14] Many Flowers, [1] Unique Flower, [2] Great Foliage, [2] Vibrant Flower Color, [3] Unique Colors, [4] Unique Flower Color, [9] Vigorous Plant	Color fades, Fading flowers, Flower color has more of a rustic/vintage reddish color to them.
Viola	Sorbet® XP Red Blotch	Ball	3.53	[11] Many Flowers, [1] Minor Winter Damage, [2] Vibrant Flower Color, [3] Unique Colors, [4] Unique Flower Color, [5] Non-Uniform, [6] Uniform, [6] Vigorous Plant	Interesting yellow edge on petal, Shades of bronze, Washed out red color.
Viola	ColorMax Clear Orange	Sakata	2.74	[1] Few Flowers, [1] Unique Colors, [1] Unique Flower, [1] Vigorous Plant, [2] Minor Winter Damage, [2] Non-Uniform, [2] Unique Flower Color, [3] Low Vigor, [3] Vibrant Flower Color, [8] Uniform, [9] Many Flowers	Moderate vigor, Nice light orange color, Not as many flowers but decent color, Soft orange color.



Viola	Sorbet® XP Orange Deep	Ball	3.89	[12] Uniform, [15] Many Flowers, [1] Non-Uniform, [1] Unique Colors, [2] Unique Flower Color, [8] Vigorous Plant, [9] Vibrant Flower Color	A wonderful orange, Best of orange viola, Fabulous rich orange color, Good solid color, Interesting petals, Moderate amount of flowers.
Viola	ColorMax Clear Yellow	Sakata	3.42	[1] Minor Winter Damage, [1] Some Chlorosis, [3] Non-Uniform, [4] Uniform, [5] Vigorous Plant, [7] Vibrant Flower Color, [8] Many Flowers	Good pure yellow, Nice vibrant yellow consistent, Some petal damage but decent vigor
Viola	ColorMax Popcorn	Sakata	3.95	[10] Uniform, [12] Many Flowers, [1] Minor Winter Damage, [1] Unique Flower, [2] Non-Uniform, [2] Unique Colors, [4] Vibrant Flower Color, [4] Vigorous Plant, [6] Unique Flower Color	Good yellow center, Nice color named well, Nice flower color I like how the yellow pops out to the white, The flowers look just like its name it definitely does look like a buttered popcorn.
Viola	ColorMax Lemon Splash	Sakata	3.79	[10] Uniform, [12] Many Flowers, [1] Unique Colors, [4] Unique Flower Color, [7] Vibrant Flower Color, [7] Vigorous Plant	Interesting color blend, maybe not enough contrast, Nice two tone variety, Overall good yellow blend.
Viola	ColorMax Yellow Jump Up	Sakata	2.74	[1] Few Flowers, [1] Great Foliage, [1] Some Chlorosis, [1] Unique Flower Color, [1] Vigorous Plant, [2] Unique Colors, [3] Vibrant Flower Color, [4] Low Vigor, [5] Minor Winter Damage, [6] Many Flowers, [9] Non-Uniform	Not all vigorous, Not the best color combo
Viola	Quicktime™ Lemon Jump Up	Ball	2.89	[12] Non-Uniform, [1] Severe Winter Damage, [1] Some Chlorosis, [1] Unique Colors, [1] Unique Flower, [1] Unique Flower Color, [1] Vigorous Plant, [2] Few Flowers, [3] Low Vigor, [3] Vibrant Flower Color, [5] Many Flowers, [8] Minor Winter Damage	More should have survived, vigor varied greatly from plant to plant

Viola	Quicktime™ Yellow Blue Jump Up	Ball	3.53	[10] Many Flowers, [1] Unique Flower, [2] Uniform, [2] Unique Colors, [3] Low Vigor, [3] Vibrant Flower Color, [4] Minor Winter Damage, [4] Vigorous Plant, [5] Unique Flower Color, [6] Non-Uniform	Flower covers the entire plant good shades of purple yellow and blue, Most did okay but one set of plants totally died out, Very interesting face, Very small flowers.
Viola	Quicktime™ Yellow Violet Jump Up	Ball	2.89	[1] Severe Winter Damage, [1] Uniform, [1] Vigorous Plant, [2] Unique Flower Color, [3] Minor Winter Damage, [4] Few Flowers, [4] Many Flowers, [5] Low Vigor, [5] Non-Uniform, [5] Vibrant Flower Color	Moderate vigor and moderate to low flowering, Some not uniform in habit.
Viola	Quicktime™ White Blotch	Ball	3.32	[10] Many Flowers, [1] Low Vigor, [1] Uniform, [1] Unique Flower, [1] Unique Flower Color, [2] Vibrant Flower Color, [4] Vigorous Plant, [6] Minor Winter Damage, [9] Non-Uniform	Rounded habit with many flowers, yellow fading into white looks kind of dirty.