

Colorado State University

2018-2019 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

Table of Contents

Table of Contents	2
Introduction.....	3
Cultural Data for the 2018-2019 Cool Season Trial Garden	3
Weather Data Tables.....	4
Data Collection Methods.....	5
Conclusion	5
2018-2019 Cool Season “Best Of” Selections	6
Appearance Data.....	7
Frost Damage Data.....	13
Ratings of Plant Blooms by Date	19
Overall Ratings and Comments by Evaluators on Evaluation Day	25

For further information contact:

James E. Klett

Director, Annual Garden, Perennial Garden & Cool Season Trials

Faculty Coordinator

Phone: (970) 218-0104

Fax: (970) 491-7745

E-mail: jim.klett@colostate.edu

Department of Horticulture and Landscape Architecture

Campus Delivery 1173

Fort Collins, CO 80523-1173

2018-2019 Cool Season Trial Performance Report

Dr. James E. Klett, David Staats and April Ferzoco

Introduction

This is the eleventh year that Colorado State University conducted a Cool Season Trial at the Annual Flower Trial Garden in Fort Collins. Marking its nineteenth year being 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 and climates. Initial data was recorded in December 2018, then approximately every two weeks from February-April 2019 (Some data was not collected 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 May 15, 2019.

The Cool Season Trials at Colorado State University is not funded by 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 starting the Cool Season Trial seed varieties. 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, Floranova, Syngenta Flowers, and Ball Seed.

Cultural Data for the 2018-2019 Cool Season Trial Garden

Planting Day

All cool season plants were planted on October 30th, 2018. All plants arrived from Welby Gardens as rooted seedlings in cell packs that were 2.25" deep. They were then transplanted into 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 done either by hand, sprinkler or through the irrigation system. Watering was done when natural precipitation was low and when the ground media was not saturated. The beds were watered by hand twice during the first week of establishment. After the garden's irrigation system was winterized in November, there were four dates (11/20, 12/18, 1/16, 2/11) when the cool season entries were watered using a frost-free water line. In mid-March we began using fertilizer that is injected through the irrigation system. A 20-10-20 fertilizer was used. Watering from late-March through May was done with the underground 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.

Weather Data November-May

A general lack of snow cover until late spring seemed to have an effect on the plants in our trial combined with the hard frosts we received following planting. The first hard freeze after the trials were planted, was recorded on November 8, 2018, (about 1 week after planting) when the low temperature was recorded to be 22°F. A late planting date (October 30th), low temperatures and lack of snow cover seemed to result in an unusual amount of plants being heaved up from the ground which resulted in significant damage despite efforts to protect exposed roots. 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.

WEATHER TOTALS	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
PRECIPITATION	0.62	0.03	0.49	0.16	2.02	1.19	1.13
SNOW	5.6	1.4	2.5	3.9	13.3	12.8	0.3
FROST DAYS	17	29	27	25	21	3	0
AVG DAILY TEMP	38	31	33	29	36	50	50
AVG LOW TEMP	26	18	19	15	24	36	37
MINIMUM LOW TEMP	13	4	0	-7	-8	20	29
AVG HIGH TEMP	40	55	47	42	49	63	62

Data Collection Methods

April Ferzoco (undergraduate Horticulture student) collected data throughout the 2018-19 Cool Season Trial. The coordinator took frost damage data, overall appearance data, and bloom rate data. CSU staff and Flower Trial Committee members did a formal evaluation on May 15, 2019.

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 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 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)

A record of each entry was taken in the months of December 2018 through May 2019. In December blooming data was not recorded due to the general lack of flowers caused by the weather conditions. In January, frost data was not taken due to partial snow cover on the day data was taken.

Conclusion

The 2018-2019 Cool Season Trials were very challenging. The trial was planted later than normal (October 30th) partly due to a delay in getting seed which pushed the original planting day back by at least two weeks since the plants were still small in the greenhouse on the original target date for planting. Plants seemed to have a difficult establishment period as it was cold and rainy when planted and then there was a hard freeze about a week later. With the cold temperatures, difficult establishment of roots and lack of snow cover early in the winter, heaving of plants was much more of a problem than in past trials. Efforts were made to protect exposed roots, but damage seemed to occur regardless. For future trials, the Flower Trial Committee recommended to cut off submission of entries by July 1st on order to allow for proper seed germination in the greenhouse and meet a goal of planting the trial in the ground by October 1st so that plants get established. The overall weather during December through February was cold, windy and fairly dry, though we had three significant snow storms from March to May. The trials this year showed that certain varieties are hardier than others and that they can withstand the harsh winter of Colorado.

The majority of the data was taken electronically out in the trial gardens using our online server. Results and comments are taken from our evaluation database either online or from the evaluation forms. The collected results from this evaluation showed that overall feedback was that given the harsh winter and lack of natural moisture some varieties were superior to others and overall a good trial for adaptability to the Colorado climate.

We thank all our cooperators in the 2018-19 Cool Season Trials for their support of these trials and without their monetary support they would not be possible. We look forward to your support again for the 2019-20 Cool Season Trials.

2018-2019 Cool Season Trial Winners

Pansy 'Joker Mahogany-Gold' from Benary

Vibrant flowers had an impressive contrast for a very bold appearance. Blooms were noted for standing up with their face held upward to create maximum flower power. Plants had excellent winter survival and were very uniform overall.

Pansy (Trailing) 'Freefall® XL Azure Blue' from Floranova

Plants were noted for strong flower power and a very uniform overall appearance. Prolific blue flowers covered the plants. Plants were vigorous and would make a nice ground cover as well as having a good trailing growth habit that would work well for containers.

Viola 'Fuseabes® Sunny Skies' from PanAmerican Seed

Flowers were noted for their attractive blend of blue and yellow flowers that can't help but "create a happy feeling". Plants were very uniform with excellent vigor and great flower coverage. Nice mix of flowers also produce labor savings for growers that don't have to combine other plants to create the same effect.

Viola 'Admire® Deep Purple Face' from Benary

The rich, velvet purple flower color was very impressive. Prolific blooming and a mounded growth habit made a great looking plant. Plants were a little more upright and very uniform overall.

Cheiranthus 'Sugar Rush Orange' from Floranova

Plants were noted for superior cold hardiness and good uniformity. Would make a good companion plant for pansies. Provides color for both fall and early spring. Flowers are attractive with shades of orange and yellow. Plants had an attractive busy growth habit and dark green foliage.

Dianthus 'I.Q. Blueberry Picotee' from Floranova

Great uniformity even after a very harsh winter made this the best Dianthus in the trial. Plants had abundant bud count and excellent vigor with attractive green foliage.

Appearance Rating Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	1/18	2/25	3/8	3/25	4/3	4/26
Bellis	Bam Bam Red Imp	Floranova	2	1	1	1	1	1	1
Bellis	Bambino Red	Floranova	2	1	1	1	1	1	1
Bellis	Bambino Rose	Floranova	2	1	1	1	1	1	1
Cheiranthus	Sugar Rush Orange	Floranova	4	3	2	2	1	1	3
Cheiranthus	Sugar Rush Primrose	Floranova	4	3	1	1	1	1	1
Cheiranthus	Sugar Rush Purple Bicolor	Floranova	3	4	2	2	1	1	2
Cheiranthus	Sugar Rush Red	Floranova	3	3	1	1	1	1	2
Cheiranthus	Sugar Rush Yellow	Floranova	3	3	2	1	1	1	2
Dianthus	I.Q. Blueberry Picotee	Floranova	3	3	1	1	2	2	2
Dianthus	I.Q. Purple	Floranova	3	3	2	1	2	2	1
Dianthus	I.Q. Purple Ice	Floranova	3	4	2	2	3	3	2
Dianthus	I.Q. Raspberry Picotee	Floranova	2	3	2	1	1	2	2
Dianthus	I.Q. Red	Floranova	4	2	1	2	3	2	2
Dianthus	I.Q. Red Picotee	Floranova	4	3	1	1	1	1	1
Dianthus	I.Q. White	Floranova	4	3	2	1	1	1	2
Pansy	Black Atlas	Benary	4	3	1	1	1	1	2
Pansy	Cats Exp. Purple & White	Benary	4	4	1	3	3	2	4
Pansy	Cats Exp. White	Benary	3	2	2	1	1	2	3
Pansy	Cats Exp. Yellow	Benary	4	2	2	1	1	1	1
Pansy	Cats Exp. Yellow & Blue	Benary	3	2	1	1	1	1	4
Pansy	Cats Light Blue	Benary	4	2	3	2	2	2	3
Pansy	Cats Orange	Benary	4	2	2	1	2	2	3
Pansy	Cats Purple & White	Benary	4	2	1	2	2	3	1

Appearance Rating Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	1/18	2/25	3/8	3/25	4/3	4/26
Pansy	Cats Red & Gold	Benary	3	2	1	2	2	2	2
Pansy	Cats White	Benary	3	2	2	1	1	2	2
Pansy	Cats Yellow	Benary	3	4	1	1	1	1	1
Pansy	Delta™ Premium Blue Morpho	Syngenta	4	2	1	1	1	1	1
Pansy	Delta™ Premium Blue with Blotch	Syngenta	3	4	1	1	1	1	2
Pansy	Delta™ Premium Deep Blue	Syngenta	4	4	1	1	1	1	2
Pansy	Delta™ Premium Gold with Blotch	Syngenta	4	3	1	1	1	2	2
Pansy	Delta™ Premium Pure Orange	Syngenta	4	2	2	1	1	1	2
Pansy	Delta™ Premium Pure Violet Imp	Syngenta	4	4	1	1	1	1	1
Pansy	Delta™ Premium Pure White	Syngenta	3	2	2	2	2	2	3
Pansy	Delta™ Premium Pure Yellow	Syngenta	4	2	2	2	2	2	1
Pansy	Delta™ Premium True Blue	Syngenta	4	3	2	1	1	2	2
Pansy	Delta™ Premium White with Blotch Imp.	Syngenta	3	2	2	1	1	1	2
Pansy	Delta™ Premium Yellow with Purple Wing	Syngenta	3	2	1	2	2	1	4
Pansy	Fuseables Flower Date	Ball	4	3	1	1	1	1	3
Pansy	Inspire DeluXXe Denim	Benary	4	2	2	2	2	2	1
Pansy	Inspire DeluXXe Exp. Light Rose Blotch	Benary	4	2	2	2	2	2	4
Pansy	Inspire DeluXXe Ocean	Benary	4	2	1	1	1	1	3
Pansy	Inspire DeluXXe White Blotch	Benary	3	2	2	1	1	1	3
Pansy	Inspire DeluXXe White Violet Wing	Benary	3	2	1	1	1	2	3
Pansy	Inspire DeluXXe Yellow	Benary	4	4	1	2	2	2	2
Pansy	Inspire DeluXXe Yellow Blotch	Benary	4	4	1	1	1	2	3
Pansy	Inspire Plus Blue Blotch	Benary	3	4	1	1	1	1	1

Appearance Rating Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	1/18	2/25	3/8	3/25	4/3	4/26
Pansy	Inspire Plus Blue Velvet	Benary	4	2	1	1	1	1	2
Pansy	Inspire Plus Exp. Blue Blotch	Benary	4	3	2	1	1	1	1
Pansy	Inspire Plus Exp. Light Blue	Benary	4	2	2	1	1	2	3
Pansy	Inspire Plus Marina	Benary	3	2	1	1	1	1	3
Pansy	Inspire Plus Orange	Benary	3	2	1	2	1	1	2
Pansy	Inspire Plus Orange Blotch	Benary	4	2	1	1	1	1	2
Pansy	Inspire Plus Red Blotch	Benary	4	2	1	1	1	1	3
Pansy	Inspire Plus True Blue	Benary	4	2	2	2	2	2	2
Pansy	Inspire Plus White Blotch	Benary	3	2	2	1	1	1	3
Pansy	Inspire Plus Yellow	Benary	3	4	2	1	1	1	1
Pansy	Inspire Plus Yellow Blotch	Benary	4	3	1	1	1	2	3
Pansy	Inspire Plus Yellow Purple Wing	Benary	4	2	1	3	3	2	2
Pansy	Joker Light Blue	Benary	3	2	1	2	2	2	2
Pansy	Joker Mahogany & Gold	Benary	4	2	1	1	1	1	2
Pansy	Joker Poker Face	Benary	3	2	1	1	1	2	2
Pansy	Joker Red & Gold	Benary	4	2	1	1	1	1	1
Pansy	Joker Violet & Gold	Benary	4	2	1	1	1	1	1
Pansy	Jolly Joker	Benary	3	2	1	2	2	2	2
Pansy	Matrix Blue Blotch	Ball	4	3	2	1	1	1	2
Pansy	Matrix Morpheus	Ball	3	2	1	1	1	1	2
Pansy	Matrix Orange	Ball	4	2	1	1	1	1	2
Pansy	Matrix Red Blotch	Ball	3	2	1	1	1	1	1
Pansy	Matrix Rose Blotch	Ball	4	2	2	2	2	2	3

*Ratings = 1 (poor) to 5 (good)

Appearance Rating Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	1/18	2/25	3/8	3/25	4/3	4/26
Pansy	Matrix White Blotch	Ball	3	4	2	1	1	1	3
Pansy	Matrix Yellow	Ball	4	3	1	2	2	2	1
Pansy (Trailing)	Cool Wave Fire	Ball	4	2	1	2	2	2	1
Pansy (Trailing)	Cool Wave Raspberry	Ball	4	2	1	1	1	1	2
Pansy (Trailing)	Cool Wave Raspberry Swirl	Ball	4	2	1	1	1	1	4
Pansy (Trailing)	Cool Wave Yellow Golden	Ball	3	2	1	2	2	2	3
Pansy (Trailing)	Exp. Freefall XL Fire	Floranova	4	2	1	1	1	1	4
Pansy (Trailing)	Exp. Freefall XL Golden Yellow	Floranova	4	2	1	2	2	2	4
Pansy (Trailing)	Exp. Freefall XL Lavender Wing	Floranova	4	2	2	1	1	1	4
Pansy (Trailing)	Exp. Freefall XL Scarlet Blotch	Floranova	4	2	1	1	1	2	4
Pansy (Trailing)	Exp. Freefall XL Victoriana	Floranova	4	2	1	1	1	1	3
Pansy (Trailing)	Exp. Freefall XL White	Floranova	4	2	1	2	2	2	4
Pansy (Trailing)	Exp. Freefall XL Yellow Blotch	Floranova	4	2	2	2	2	2	4
Pansy (Trailing)	Freefall XL Azure Blue	Floranova	4	2	3	2	2	2	2
Pansy (Trailing)	Freefall XL Bright Yellow	Floranova	4	2	1	2	2	1	3
Pansy (Trailing)	Freefall XL Purple Face	Floranova	4	2	2	2	2	2	4
Pansy (Trailing)	Freefall XL Red Wing	Floranova	4	2	2	3	3	2	4
Viola	Admire® Blue	Benary	3	4	1	3	3	3	3
Viola	Admire® Deep Blue	Benary	4	2	3	3	3	2	4
Viola	Admire® Deep Marina	Benary	3	4	2	3	3	2	4
Viola	Admire® Deep Purple Face	Benary	4	3	2	3	3	3	4
Viola	Admire® Exp. Jolly Face	Benary	4	3	1	2	2	2	3
Viola	Admire® Exp. Yellow Purple Wing	Benary	4	3	1	1	1	1	2

*Ratings = 1 (poor) to 5 (good)

Appearance Rating Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	1/18	2/25	3/8	3/25	4/3	4/26
Viola	Admire® Marina	Benary	4	3	2	2	3	3	3
Viola	Admire® Orange Purple Wing	Benary	4	3	1	2	2	2	3
Viola	Admire® Red Blotch	Benary	4	2	1	1	1	1	2
Viola	Admire® White Purple Wing	Benary	3	3	2	2	2	2	4
Viola	Admire® Yellow	Benary	3	3	3	3	3	3	4
Viola	Admire® Yellow Blotch	Benary	4	3	2	2	2	2	2
Viola	Admire® Yellow Purple Wing	Benary	3	3	2	1	1	1	3
Viola	Endurio® Blue Yellow with Purple Wing	Syngenta	4	3	2	3	3	2	5
Viola	Endurio® White Imp	Syngenta	4	4	1	2	2	2	4
Viola	Endurio® Yellow Imp.	Syngenta	4	3	1	3	3	3	4
Viola	Endurio® Red Flare	Syngenta	4	3	1	1	1	1	4
Viola	Fuseables Sunny Skies	Ball	3	3	1	2	2	2	1
Viola	Penny™ Black Exp.	Syngenta	4	2	2	2	2	1	4
Viola	Penny™ Blue	Syngenta	3	4	2	3	3	3	4
Viola	Penny™ Clear Yellow	Syngenta	4	4	1	2	2	2	3
Viola	Penny™ Deep Blue Imp.	Syngenta	3	4	3	3	3	2	4
Viola	Penny™ Orange	Syngenta	4	2	1	2	2	2	3
Viola	Penny™ Orange Jump Up	Syngenta	4	3	1	1	1	1	2
Viola	Penny™ Red Wing	Syngenta	3	3	2	1	1	1	3
Viola	Penny™ Violet	Syngenta	3	3	1	2	2	1	4
Viola	Penny™ Violet Face	Syngenta	4	3	1	2	2	2	3
Viola	Penny™ White	Syngenta	3	3	1	2	2	2	4
Viola	Penny™ White Jump Up	Syngenta	4	3	1	2	2	2	3

Appearance Rating Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	1/18	2/25	3/8	3/25	4/3	4/26
Viola	Penny™ Yellow Jump Up Exp.	Syngenta	3	3	1	2	2	2	2
Viola	Sorbet XP Blue Blotch	Ball	4	2	3	3	3	3	3
Viola	Sorbet XP Orange	Ball	4	2	1	1	1	1	3
Viola	Sorbet XP Purple	Ball	4	4	3	3	3	3	4
Viola	Sorbet XP Yellow Blotch	Ball	4	3	1	1	1	1	3
Viola	Sorbet XP Yellow Blue Jump Up	Ball	4	3	2	3	2	2	3
Viola	Sorbet XP Yellow Improved	Ball	3	4	1	2	2	2	3

Frost Damage Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	2/25	3/8	3/25	4/3	4/26
Bellis	Bam Bam Red Imp	Floranova	4	5	5	5	5	5
Bellis	Bambino Red	Floranova	4	5	5	5	5	5
Bellis	Bambino Rose	Floranova	4	5	5	5	5	5
Cheiranthus	Sugar Rush Orange	Floranova	2	5	5	5	5	2
Cheiranthus	Sugar Rush Primrose	Floranova	2	5	5	5	5	5
Cheiranthus	Sugar Rush Purple Bicolor	Floranova	3	5	5	5	5	4
Cheiranthus	Sugar Rush Red	Floranova	1	5	5	5	5	3
Cheiranthus	Sugar Rush Yellow	Floranova	1	5	5	5	5	3
Dianthus	I.Q. Blueberry Picotee	Floranova	3	5	3	3	4	3
Dianthus	I.Q. Purple	Floranova	3	4	4	4	5	4
Dianthus	I.Q. Purple Ice	Floranova	3	3	2	2	4	3
Dianthus	I.Q. Raspberry Picotee	Floranova	4	3	4	4	4	3
Dianthus	I.Q. Red	Floranova	2	5	2	2	3	3
Dianthus	I.Q. Red Picotee	Floranova	2	5	5	5	4	3
Dianthus	I.Q. White	Floranova	1	4	4	5	5	3
Pansy	Black Atlas	Benary	1	5	5	5	5	3
Pansy	Cats Exp. Purple & White	Benary	2	3	2	2	3	3
Pansy	Cats Exp. White	Benary	3	4	4	4	4	3
Pansy	Cats Exp. Yellow	Benary	1	5	4	4	4	5
Pansy	Cats Exp. Yellow & Blue	Benary	3	4	4	4	4	3
Pansy	Cats Light Blue	Benary	1	4	4	4	4	2

**Ratings = 1 (little to no dieback) to 5 (Severe/Dead)

Frost Damage Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	2/25	3/8	3/25	4/3	4/26
Pansy	Cats Orange	Benary	2	3	3	3	4	3
Pansy	Cats Purple & White	Benary	1	4	3	3	4	5
Pansy	Cats Red & Gold	Benary	2	3	4	4	4	3
Pansy	Cats White	Benary	2	4	4	4	4	3
Pansy	Cats Yellow	Benary	3	4	4	4	4	5
Pansy	Delta™ Premium Blue Morpho	Syngenta	1	4	5	5	4	5
Pansy	Delta™ Premium Blue with Blotch	Syngenta	2	5	5	5	5	3
Pansy	Delta™ Premium Deep Blue	Syngenta	2	5	5	5	5	3
Pansy	Delta™ Premium Gold with Blotch	Syngenta	2	4	4	4	4	3
Pansy	Delta™ Premium Pure Orange	Syngenta	1	4	4	4	4	3
Pansy	Delta™ Premium Pure Violet Imp	Syngenta	2	5	5	5	5	4
Pansy	Delta™ Premium Pure White	Syngenta	2	3	4	4	4	4
Pansy	Delta™ Premium Pure Yellow	Syngenta	2	4	3	3	5	5
Pansy	Delta™ Premium True Blue	Syngenta	1	4	5	5	5	3
Pansy	Delta™ Premium White with Blotch Imp.	Syngenta	2	3	5	5	5	4
Pansy	Delta™ Premium Yellow with Purple Wing	Syngenta	3	3	4	4	4	3
Pansy	Fuseables Flower Date	Ball	1	4	5	5	5	3
Pansy	Inspire DeluXXe Denim	Benary	1	3	4	4	5	4
Pansy	Inspire DeluXXe Exp. Light Rose Blotch	Benary	1	4	3	3	4	3
Pansy	Inspire DeluXXe Ocean	Benary	1	4	3	5	5	2
Pansy	Inspire DeluXXe White Blotch	Benary	2	3	5	5	5	3

**Ratings = 1 (little to no dieback) to 5 (Severe/Dead)

Frost Damage Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	2/25	3/8	3/25	4/3	4/26
Pansy	Inspire DeluXXe White Violet Wing	Benary	2	4	4	4	4	3
Pansy	Inspire DeluXXe Yellow	Benary	2	4	3	3	4	4
Pansy	Inspire DeluXXe Yellow Blotch	Benary	2	3	4	4	4	3
Pansy	Inspire Plus Blue Blotch	Benary	3	5	5	5	5	4
Pansy	Inspire Plus Blue Velvet	Benary	1	3	5	5	5	3
Pansy	Inspire Plus Exp. Blue Blotch	Benary	1	4	4	4	5	5
Pansy	Inspire Plus Exp. Light Blue	Benary	1	4	4	4	4	1
Pansy	Inspire Plus Marina	Benary	2	3	4	4	4	3
Pansy	Inspire Plus Orange	Benary	3	3	3	3	4	2
Pansy	Inspire Plus Orange Blotch	Benary	1	4	4	4	4	3
Pansy	Inspire Plus Red Blotch	Benary	2	5	5	5	5	3
Pansy	Inspire Plus True Blue	Benary	1	4	4	4	5	3
Pansy	Inspire Plus White Blotch	Benary	2	3	5	5	5	3
Pansy	Inspire Plus Yellow	Benary	3	4	4	4	4	4
Pansy	Inspire Plus Yellow Blotch	Benary	1	4	4	4	4	3
Pansy	Inspire Plus Yellow Purple Wing	Benary	2	4	3	3	4	3
Pansy	Joker Light Blue	Benary	2	4	2	2	3	3
Pansy	Joker Mahogany & Gold	Benary	1	5	5	5	4	4
Pansy	Joker Poker Face	Benary	3	4	4	4	4	5
Pansy	Joker Red & Gold	Benary	1	4	5	5	5	5
Pansy	Joker Violet & Gold	Benary	1	4	2	2	2	5

**Ratings = 1 (little to no dieback) to 5 (Severe/Dead)

Frost Damage Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	2/25	3/8	3/25	4/3	4/26
Pansy	Jolly Joker	Benary	3	4	4	4	3	5
Pansy	Matrix Blue Blotch	Ball	2	4	5	5	5	3
Pansy	Matrix Morpheus	Ball	2	4	5	5	4	3
Pansy	Matrix Orange	Ball	2	4	4	4	4	3
Pansy	Matrix Red Blotch	Ball	3	5	5	5	5	3
Pansy	Matrix Rose Blotch	Ball	2	3	4	4	5	4
Pansy	Matrix White Blotch	Ball	2	4	4	4	5	4
Pansy	Matrix Yellow	Ball	2	3	4	4	4	4
Pansy (Trailing)	Cool Wave Fire	Ball	2	5	4	4	4	5
Pansy (Trailing)	Cool Wave Raspberry	Ball	2	4	4	4	4	4
Pansy (Trailing)	Cool Wave Raspberry Swirl	Ball	2	4	4	4	4	3
Pansy (Trailing)	Cool Wave Yellow Golden	Ball	3	5	4	4	5	3
Pansy (Trailing)	Exp. Freefall XL Fire	Floranova	2	4	5	5	4	2
Pansy (Trailing)	Exp. Freefall XL Golden Yellow	Floranova	2	5	3	3	4	3
Pansy (Trailing)	Exp. Freefall XL Lavender Wing	Floranova	2	4	5	5	4	3
Pansy (Trailing)	Exp. Freefall XL Scarlet Blotch	Floranova	2	3	5	5	5	3
Pansy (Trailing)	Exp. Freefall XL Victoriana	Floranova	1	5	5	5	5	3
Pansy (Trailing)	Exp. Freefall XL White	Floranova	1	5	5	5	4	3
Pansy (Trailing)	Exp. Freefall XL Yellow Blotch	Floranova	2	5	3	3	3	2
Pansy (Trailing)	Freefall XL Azure Blue	Floranova	2	2	4	4	4	3
Pansy (Trailing)	Freefall XL Bright Yellow	Floranova	1	4	3	3	3	2

**Ratings = 1 (little to no dieback) to 5 (Severe/Dead)

Frost Damage Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	2/25	3/8	3/25	4/3	4/26
Pansy (Trailing)	Freefall XL Purple Face	Floranova	1	3	4	4	4	3
Pansy (Trailing)	Freefall XL Red Wing	Floranova	2	4	3	3	4	2
Viola	Admire® Blue	Benary	3	4	2	2	2	1
Viola	Admire® Deep Blue	Benary	2	4	3	3	3	2
Viola	Admire® Deep Marina	Benary	3	3	2	2	3	1
Viola	Admire® Deep Purple Face	Benary	1	4	3	3	3	2
Viola	Admire® Exp. Jolly Face	Benary	2	4	4	4	3	2
Viola	Admire® Exp. Yellow Purple Wing	Benary	2	4	4	4	4	3
Viola	Admire® Marina	Benary	2	5	4	4	4	2
Viola	Admire® Orange Purple Wing	Benary	2	4	4	4	3	2
Viola	Admire® Red Blotch	Benary	1	5	4	4	3	3
Viola	Admire® White Purple Wing	Benary	3	4	4	4	4	2
Viola	Admire® Yellow	Benary	3	3	3	3	3	2
Viola	Admire® Yellow Blotch	Benary	2	4	4	4	4	3
Viola	Admire® Yellow Purple Wing	Benary	3	4	4	4	4	3
Viola	Endurio® Blue Yellow with Purple Wing	Syngenta	1	3	3	2	2	1
Viola	Endurio® White Imp	Syngenta	2	5	4	4	4	3
Viola	Endurio® Yellow Imp.	Syngenta	2	4	3	3	4	3
Viola	Endurio®Red Flare	Syngenta	2	5	4	4	4	2
Viola	Fuseables Sunny Skies	Ball	2	4	4	4	4	4
Viola	Penny™ Black Exp.	Syngenta	1	3	3	4	4	3

**Ratings = 1 (little to no dieback) to 5 (Severe/Dead)

Frost Damage Data by Student Coordinator

Genus	Cultivar	Company Name	12/13	2/25	3/8	3/25	4/3	4/26
Viola	Penny™ Blue	Syngenta	3	4	4	4	4	2
Viola	Penny™ Clear Yellow	Syngenta	1	4	4	4	4	2
Viola	Penny™ Deep Blue Imp.	Syngenta	3	3	3	3	3	1
Viola	Penny™ Orange	Syngenta	2	4	4	4	4	3
Viola	Penny™ Orange Jump Up	Syngenta	2	5	4	4	4	3
Viola	Penny™ Red Wing	Syngenta	3	4	2	4	4	3
Viola	Penny™ Violet	Syngenta	2	4	4	4	4	3
Viola	Penny™ Violet Face	Syngenta	1	4	4	4	4	3
Viola	Penny™ White	Syngenta	3	5	4	4	4	2
Viola	Penny™ White Jump Up	Syngenta	2	4	3	3	3	2
Viola	Penny™ Yellow Jump Up Exp.	Syngenta	3	4	3	3	3	3
Viola	Sorbet XP Blue Blotch	Ball	2	4	3	3	4	3
Viola	Sorbet XP Orange	Ball	1	4	4	4	4	3
Viola	Sorbet XP Purple	Ball	2	4	2	2	2	1
Viola	Sorbet XP Yellow Blotch	Ball	2	4	4	4	3	2
Viola	Sorbet XP Yellow Blue Jump Up	Ball	1	4	3	3	4	3
Viola	Sorbet XP Yellow Improved	Ball	3	4	4	4	4	2

Ratings of Plant Bloom by Student Coordinator

Genus	Cultivar	Company Name	1/18	2/25	3/8	3/25	4/3	4/26
Bellis	Bam Bam Red Imp	Floranova	2	1	1	1	1	1
Bellis	Bambino Red	Floranova	2	1	1	1	1	1
Bellis	Bambino Rose	Floranova	2	1	1	1	1	1
Cheiranthus	Sugar Rush Orange	Floranova	3	1	1	1	1	4
Cheiranthus	Sugar Rush Primrose	Floranova	2	1	1	1	1	1
Cheiranthus	Sugar Rush Purple Bicolor	Floranova	3	1	1	1	1	2
Cheiranthus	Sugar Rush Red	Floranova	3	1	1	1	1	2
Cheiranthus	Sugar Rush Yellow	Floranova	3	1	1	1	1	3
Dianthus	I.Q. Blueberry Picotee	Floranova	3	1	1	1	1	2
Dianthus	I.Q. Purple	Floranova	3	2	2	2	1	1
Dianthus	I.Q. Purple Ice	Floranova	3	2	1	1	2	2
Dianthus	I.Q. Raspberry Picotee	Floranova	2	2	1	1	1	2
Dianthus	I.Q. Red	Floranova	1	1	1	1	1	2
Dianthus	I.Q. Red Picotee	Floranova	4	1	1	1	2	2
Dianthus	I.Q. White	Floranova	4	2	1	1	1	1
Pansy	Black Atlas	Benary	4	1	1	1	1	2
Pansy	Cats Exp. Purple & White	Benary	3	1	3	3	3	3
Pansy	Cats Exp. White	Benary	2	1	1	1	2	3
Pansy	Cats Exp. Yellow	Benary	4	2	1	1	1	1
Pansy	Cats Exp. Yellow & Blue	Benary	2	1	1	1	1	2
Pansy	Cats Light Blue	Benary	2	2	1	1	2	2
Pansy	Cats Orange	Benary	2	2	1	1	1	2
Pansy	Cats Purple & White	Benary	2	1	1	1	1	1

* 1 = no blooms, 5 = abundant blooms

Ratings of Plant Bloom by Student Coordinator

Genus	Cultivar	Company Name	1/18	2/25	3/8	3/25	4/3	4/26
Pansy	Cats Red & Gold	Benary	2	2	1	1	2	2
Pansy	Cats White	Benary	2	1	1	1	1	3
Pansy	Cats Yellow	Benary	4	2	1	1	2	1
Pansy	Delta™ Premium Blue Morpho	Syngenta	2	1	1	1	2	1
Pansy	Delta™ Premium Blue with Blotch	Syngenta	3	1	1	1	1	1
Pansy	Delta™ Premium Deep Blue	Syngenta	3	2	2	1	1	2
Pansy	Delta™ Premium Gold with Blotch	Syngenta	4	1	2	2	3	3
Pansy	Delta™ Premium Pure Orange	Syngenta	2	1	1	1	1	2
Pansy	Delta™ Premium Pure Violet Imp	Syngenta	4	1	1	1	1	1
Pansy	Delta™ Premium Pure White	Syngenta	2	1	1	1	2	3
Pansy	Delta™ Premium Pure Yellow	Syngenta	4	3	3	3	3	1
Pansy	Delta™ Premium True Blue	Syngenta	2	1	1	1	2	2
Pansy	Delta™ Premium White with Blotch Imp.	Syngenta	2	1	1	1	1	3
Pansy	Delta™ Premium Yellow with Purple Wing	Syngenta	3	1	2	2	2	3
Pansy	Fuseables Flower Date	Ball	4	1	1	1	1	3
Pansy	Inspire DeluXXe Denim	Benary	3	1	1	1	1	2
Pansy	Inspire DeluXXe Exp. Light Rose Blotch	Benary	2	1	2	2	2	3
Pansy	Inspire DeluXXe Ocean	Benary	2	1	1	1	2	2
Pansy	Inspire DeluXXe White Blotch	Benary	2	1	1	1	1	3
Pansy	Inspire DeluXXe White Violet Wing	Benary	2	1	1	1	1	2
Pansy	Inspire DeluXXe Yellow	Benary	4	1	2	2	2	1
Pansy	Inspire DeluXXe Yellow Blotch	Benary	4	1	2	2	3	2
Pansy	Inspire Plus Blue Blotch	Benary	3	1	1	1	2	1

* 1 = no blooms, 5 = abundant blooms

Ratings of Plant Bloom by Student Coordinator

Genus	Cultivar	Company Name	1/18	2/25	3/8	3/25	4/3	4/26
Pansy	Inspire Plus Blue Velvet	Benary	2	1	2	1	1	2
Pansy	Inspire Plus Exp. Blue Blotch	Benary	3	1	1	1	1	1
Pansy	Inspire Plus Exp. Light Blue	Benary	2	1	1	1	2	4
Pansy	Inspire Plus Marina	Benary	2	1	2	2	2	3
Pansy	Inspire Plus Orange	Benary	2	1	1	1	1	2
Pansy	Inspire Plus Orange Blotch	Benary	2	1	2	2	2	2
Pansy	Inspire Plus Red Blotch	Benary	2	1	1	1	1	2
Pansy	Inspire Plus True Blue	Benary	2	1	1	1	1	2
Pansy	Inspire Plus White Blotch	Benary	2	1	1	1	1	2
Pansy	Inspire Plus Yellow	Benary	4	1	2	2	3	1
Pansy	Inspire Plus Yellow Blotch	Benary	4	1	1	1	2	2
Pansy	Inspire Plus Yellow Purple Wing	Benary	2	1	3	3	2	3
Pansy	Joker Light Blue	Benary	3	1	2	2	3	3
Pansy	Joker Mahogany & Gold	Benary	2	1	1	1	2	2
Pansy	Joker Poker Face	Benary	2	1	1	1	2	1
Pansy	Joker Red & Gold	Benary	2	1	1	1	2	1
Pansy	Joker Violet & Gold	Benary	2	1	4	4	1	1
Pansy	Jolly Joker	Benary	2	1	1	1	1	1
Pansy	Matrix Blue Blotch	Ball	3	2	2	1	1	2
Pansy	Matrix Morpheus	Ball	3	1	1	1	1	3
Pansy	Matrix Orange	Ball	2	1	1	1	1	3
Pansy	Matrix Red Blotch	Ball	2	1	1	1	1	2
Pansy	Matrix Rose Blotch	Ball	2	2	2	2	2	2

* 1 = no blooms, 5 = abundant blooms

Ratings of Plant Bloom by Student Coordinator

Genus	Cultivar	Company Name	1/18	2/25	3/8	3/25	4/3	4/26
Pansy	Matrix White Blotch	Ball	2	1	1	1	1	2
Pansy	Matrix Yellow	Ball	4	1	2	2	2	1
Pansy (Trailing)	Cool Wave Fire	Ball	2	1	1	1	2	1
Pansy (Trailing)	Cool Wave Raspberry	Ball	2	1	1	1	1	2
Pansy (Trailing)	Cool Wave Raspberry Swirl	Ball	2	1	1	1	2	2
Pansy (Trailing)	Cool Wave Yellow Golden	Ball	2	1	1	1	3	3
Pansy (Trailing)	Exp. Freefall XL Fire	Floranova	2	1	1	1	1	3
Pansy (Trailing)	Exp. Freefall XL Golden Yellow	Floranova	2	1	2	2	3	4
Pansy (Trailing)	Exp. Freefall XL Lavender Wing	Floranova	2	1	1	1	2	2
Pansy (Trailing)	Exp. Freefall XL Scarlet Blotch	Floranova	2	1	1	1	1	3
Pansy (Trailing)	Exp. Freefall XL Victoriana	Floranova	2	1	1	1	1	3
Pansy (Trailing)	Exp. Freefall XL White	Floranova	2	1	1	1	2	3
Pansy (Trailing)	Exp. Freefall XL Yellow Blotch	Floranova	2	2	2	2	2	4
Pansy (Trailing)	Freefall XL Azure Blue	Floranova	2	3	1	1	2	3
Pansy (Trailing)	Freefall XL Bright Yellow	Floranova	2	1	2	2	1	4
Pansy (Trailing)	Freefall XL Purple Face	Floranova	2	2	3	3	2	4
Pansy (Trailing)	Freefall XL Red Wing	Floranova	2	2	2	2	2	2
Viola	Admire® Blue	Benary	4	1	3	3	3	4
Viola	Admire® Deep Blue	Benary	3	3	4	4	4	4
Viola	Admire® Deep Marina	Benary	4	3	3	3	4	5
Viola	Admire® Deep Purple Face	Benary	4	3	4	4	4	4
Viola	Admire® Exp. Jolly Face	Benary	4	1	3	3	3	4
Viola	Admire® Exp. Yellow Purple Wing	Benary	3	1	2	2	2	3

* 1 = no blooms, 5 = abundant blooms

Ratings of Plant Bloom by Student Coordinator

Genus	Cultivar	Company Name	1/18	2/25	3/8	3/25	4/3	4/26
Viola	Admire® Marina	Benary	3	3	3	2	3	4
Viola	Admire® Orange Purple Wing	Benary	3	1	1	1	1	4
Viola	Admire® Red Blotch	Benary	3	1	1	1	2	2
Viola	Admire® White Purple Wing	Benary	2	2	2	2	2	4
Viola	Admire® Yellow	Benary	3	3	3	3	2	4
Viola	Admire® Yellow Blotch	Benary	4	2	1	1	2	2
Viola	Admire® Yellow Purple Wing	Benary	3	1	1	1	2	4
Viola	Endurio® Blue Yellow with Purple Wing	Syngenta	4	3	3	3	4	4
Viola	Endurio® White Imp	Syngenta	4	1	1	1	1	4
Viola	Endurio® Yellow Imp.	Syngenta	4	2	2	2	2	4
Viola	Endurio® Red Flare	Syngenta	3	1	1	1	1	4
Viola	Fuseables Sunny Skies	Ball	3	1	1	1	2	1
Viola	Penny™ Black Exp.	Syngenta	2	2	1	1	1	4
Viola	Penny™ Blue	Syngenta	4	2	2	2	3	4
Viola	Penny™ Clear Yellow	Syngenta	4	2	1	1	1	3
Viola	Penny™ Deep Blue Imp.	Syngenta	4	3	4	4	3	4
Viola	Penny™ Orange	Syngenta	3	1	2	2	2	2
Viola	Penny™ Orange Jump Up	Syngenta	3	1	1	1	1	3
Viola	Penny™ Red Wing	Syngenta	3	2	1	1	1	2
Viola	Penny™ Violet	Syngenta	3	1	2	2	2	3
Viola	Penny™ Violet Face	Syngenta	4	1	2	2	2	2
Viola	Penny™ White	Syngenta	3	1	1	1	1	4
Viola	Penny™ White Jump Up	Syngenta	2	2	2	2	2	4

* 1 = no blooms, 5 = abundant blooms

Ratings of Plant Bloom by Student Coordinator

Genus	Cultivar	Company Name	1/18	2/25	3/8	3/25	4/3	4/26
Viola	Penny™ Yellow Jump Up Exp.	Syngenta	2	1	1	1	2	2
Viola	Sorbet XP Blue Blotch	Ball	4	3	4	4	4	3
Viola	Sorbet XP Orange	Ball	3	1	1	1	2	2
Viola	Sorbet XP Purple	Ball	4	3	3	3	3	4
Viola	Sorbet XP Yellow Blotch	Ball	4	1	1	1	1	3
Viola	Sorbet XP Yellow Blue Jump Up	Ball	3	2	1	1	2	4
Viola	Sorbet XP Yellow Improved	Ball	4	1	1	1	2	4

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Bellis	Bam Bam Red Imp	Floranova	[1] Few Flowers, [1] Low Vigor, [6] Severe Winter Damage	1.00	All died during winter, did not overwinter
Bellis	Bambino Red	Floranova	[1] Few Flowers, [1] Low Vigor, [5] Severe Winter Damage	1.00	All died during winter , did not overwinter
Bellis	Bambino Rose	Floranova	[1] Few Flowers, [1] Low Vigor, [5] Severe Winter Damage	1.00	All died during winter, did not overwinter
Cheiranthus	Sugar Rush Orange	Floranova	[1] Color Does Not Match Name, [1] Great Foliage, [1] Unique Colors, [2] Minor Winter Damage, [2] Vibrant Flower Color, [3] Few Flowers, [3] Non-Uniform, [4] Low Vigor, [5] Many Flowers	5.70	Best in class., Best of it's kind, Flowers more yellow in appearance , Interesting leaf, many survived tho not vigorous, Moderate flowering but almost all survived the winter
Cheiranthus	Sugar Rush Primrose	Floranova	[1] Few Flowers, [1] Low Vigor, [4] Severe Winter Damage	1.00	All died during winter
Cheiranthus	Sugar Rush Purple Bicolor	Floranova	[1] Minor Winter Damage, [1] Non-Uniform, [1] Unique Flower, [1] Unique Flower Color, [2] Unique Colors, [4] Few Flowers, [5] Severe Winter Damage, [8] Low Vigor	2.80	4 plants alive, Less then half survived , some lived but doing poorly
Cheiranthus	Sugar Rush Red	Floranova	[1] Many Flowers, [1] Minor Winter Damage, [1] Uniform, [3] Few Flowers, [3] Non-Uniform, [4] Severe Winter Damage, [5] Low Vigor	3.30	7 plants alive, Good yellow
Cheiranthus	Sugar Rush Yellow	Floranova	[1] Uniform, [3] Few Flowers, [3] Non-Uniform, [5] Severe Winter Damage, [6] Low Vigor	2.30	4 plants alive, few survived, Good shape , Most didn't survive , Very small foliage
Dianthus	I.Q. Blueberry Picotee	Floranova	[1] Low Vigor, [2] Non-Uniform, [2] Uniform, [3] Great Foliage, [5] Few Flowers, [5] Vigorous Plant	4.70	All survived, no flowers yet, Just beginning to bloom, Loaded with buds and fairly uniform, plants vigorous with nice foliage , Vigorous
Dianthus	I.Q. Purple	Floranova	[1] Uniform, [2] Vibrant Flower Color, [3] Great Foliage, [3] Minor Winter Damage, [4] Non-Uniform, [5] Few Flowers, [7] Low Vigor	4.10	All foliage, not in flower yet, Smaller plants than other Dianthus due to some winter dieback
Dianthus	I.Q. Purple Ice	Floranova	[1] Low Vigor, [1] Minor Winter Damage, [1] Non-Uniform, [2] Great Foliage, [4] Uniform, [5] Few Flowers, [6] Vigorous Plant	4.80	All foliage but plants are vigorous with nice foliage, No signs of flowers yet but should be fairly close. Plants look relatively healthy, Slow to flower
Dianthus	I.Q. Raspberry Picotee	Floranova	[1] Great Foliage, [1] Severe Winter Damage, [1] Unique Flower Color, [2] Minor Winter Damage, [5] Few Flowers, [6] Low Vigor, [6] Non-Uniform	3.90	All foliage, Just beginning to bloom
Dianthus	I.Q. Red	Floranova	[1] Minor Winter Damage, [1] Severe Winter Damage, [1] Uniform, [1] Unique Flower Color, [1] Vigorous Plant, [2] Great Foliage, [3] Low Vigor, [4] Few Flowers, [4] Non-Uniform	4.30	Very vigorous
Dianthus	I.Q. Red Picotee	Floranova	[1] Uniform, [1] Vibrant Flower Color, [2] Great Foliage, [2] Low Vigor, [2] Minor Winter Damage, [5] Few Flowers, [5] Non-Uniform	4.20	Just beginning to show color, Stronger plants

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Dianthus	I.Q. White	Floranova	[1] Great Foliage, [1] Minor Winter Damage, [2] Few Flowers, [4] Non-Uniform, [5] Low Vigor, [6] Severe Winter Damage	2.30	Just beginning to show a little color, Roughly half didn't make it to the evaluation date
Pansy	Black Atlas	Benary	[1] Few Flowers, [1] Non-Uniform, [4] Low Vigor, [7] Severe Winter Damage	1.10	Almost all plants died overwinter, Only one survived. Good purple flower color
Pansy	Cats Exp. Purple & White	Benary	[1] Few Flowers, [1] Unique Flower, [1] Vigorous Plant, [2] Great Foliage, [2] Low Vigor, [2] Uniform, [2] Unique Colors, [3] Minor Winter Damage, [3] Non-Uniform, [4] Vibrant Flower Color, [5] Unique Flower Color, [7] Many Flowers	5.00	
pansy	Cats Exp. White	Benary	[1] Some Chlorosis, [2] Minor Winter Damage, [2] Unique Flower, [3] Few Flowers, [3] Severe Winter Damage, [4] Non-Uniform, [8] Low Vigor	2.80	Not as successful as cats white , Whisker patem more prominent
Pansy	Cats Exp. Yellow	Benary	[1] Many Flowers, [1] Minor Winter Damage, [2] Vibrant Flower Color, [3] Few Flowers, [4] Severe Winter Damage, [5] Non-Uniform, [6] Low Vigor	2.60	
Pansy	Cats Exp. Yellow & Blue	Benary	[1] Few Flowers, [1] Many Flowers, [1] Some Chlorosis, [1] Unique Flower, [1] Vibrant Flower Color, [2] Minor Winter Damage, [2] Severe Winter Damage, [2] Uniform, [3] Unique Colors, [4] Unique Flower Color, [5] Non-Uniform, [7] Low Vigor	3.80	Cat pattern not really prominent, unstable flower color
Pansy	Cats Light Blue	Benary	[1] Some Chlorosis, [1] Uniform, [1] Unique Flower, [2] Many Flowers, [2] Unique Flower Color, [3] Few Flowers, [3] Non-Uniform, [5] Severe Winter Damage, [7] Low Vigor	3.50	Creamy white color appears "dirty"
Pansy	Cats Orange	Benary	[1] Few Flowers, [1] Some Chlorosis, [1] Unique Colors, [1] Unique Flower, [1] Vigorous Plant, [2] Low Vigor, [2] Minor Winter Damage, [2] Unique Flower Color, [4] Many Flowers, [5] Uniform, [6] Vibrant Flower Color	4.20	Good name, Nice rich color to bloom, whisker pattern not very prominent
Pansy	Cats Purple & White	Benary	[1] Minor Winter Damage, [1] Non-Uniform, [1] Severe Winter Damage, [1] Unique Flower, [2] Many Flowers, [2] Uniform, [2] Unique Colors, [2] Unique Flower Color, [2] Vibrant Flower Color, [3] Vigorous Plant, [4] Low Vigor, [6] Few Flowers	4.40	More successful 'Cats' cultivar, but low vigor
Pansy	Cats Red & Gold	Benary	[1] Few Flowers, [1] Severe Winter Damage, [1] Some Chlorosis, [1] Unique Flower, [1] Vigorous Plant, [2] Vibrant Flower Color, [3] Non-Uniform, [3] Uniform, [3] Unique Colors, [3] Unique Flower Color, [4] Low Vigor, [4] Many Flowers	4.20	Love the flower pattern, pattern isn't very stable but still attractive, very similar flower to Joker Red & Gold
Pansy	Cats White	Benary	[1] Many Flowers, [1] Some Chlorosis, [1] Uniform, [2] Non-Uniform, [2] Severe Winter Damage, [2] Unique Flower, [3] Few Flowers, [3] Minor Winter Damage, [8] Low Vigor	3.00	Whisker pattern not very evident

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Pansy	Cats Yellow	Benary	[1] Severe Winter Damage, [1] Unique Flower Color, [2] Few Flowers, [2] Minor Winter Damage, [3] Non-Uniform, [3] Uniform, [3] Vibrant Flower Color, [4] Many Flowers, [6] Low Vigor	3.70	Do not like the lines inside the petals
pansy	Delta™ Premium Blue Morpho	Syngenta	[1] Unique Colors, [1] Vibrant Flower Color, [2] Few Flowers, [3] Non-Uniform, [8] Low Vigor, [9] Severe Winter Damage	2.00	Mostly dead
Pansy	Delta™ Premium Deep Blue	Syngenta	[1] Some Chlorosis, [2] Minor Winter Damage, [2] Non-Uniform, [5] Few Flowers, [5] Severe Winter Damage, [9] Low Vigor	2.30	Not many alive, Only half survived
Pansy	Delta™ Premium Gold with Blotch	Syngenta	[1] Color Does Not Match Name, [1] Few Flowers, [1] Non-Uniform, [1] Severe Winter Damage, [1] Some Chlorosis, [1] Unique Flower Color, [1] Vigorous Plant, [2] Minor Winter Damage, [3] Vibrant Flower Color, [4] Low Vigor, [4] Many Flowers, [4] Uniform	3.70	More maroon blotch, Unique mix of red and brown in blotch
Pansy	Delta™ Premium Pure Blue with Blotch	Syngenta	[2] Many Flowers, [2] Vibrant Flower Color, [4] Few Flowers, [4] Non-Uniform, [5] Severe Winter Damage, [7] Low Vigor	3.20	Only half survived, plants that lived doing ok.
Pansy	Delta™ Premium Pure Orange	Syngenta	[1] Severe Winter Damage, [1] Some Chlorosis, [1] Unique Flower Color, [1] Vibrant Flower Color, [1] Vigorous Plant, [2] Few Flowers, [2] Minor Winter Damage, [3] Many Flowers, [3] Non-Uniform, [3] Uniform, [4] Low Vigor	3.90	Color not very unique
Pansy	Delta™ Premium Pure Violet Improved	Syngenta	[1] Unique Flower Color, [2] Minor Winter Damage, [2] Uniform, [3] Few Flowers, [3] Severe Winter Damage, [4] Non-Uniform, [4] Vibrant Flower Color, [5] Many Flowers, [9] Low Vigor	4.10	Small foliage unique
Pansy	Delta™ Premium Pure White	Syngenta	[1] Minor Winter Damage, [2] Non-Uniform, [3] Few Flowers, [3] Severe Winter Damage, [3] Uniform, [8] Low Vigor	2.80	Unique flower size
Pansy	Delta™ Premium Pure Yellow	Syngenta	[1] Non-Uniform, [1] Severe Winter Damage, [1] Some Chlorosis, [1] Vigorous Plant, [2] Minor Winter Damage, [3] Low Vigor, [5] Uniform, [5] Vibrant Flower Color, [7] Many Flowers	4.20	
Pansy	Delta™ Premium True Blue	Syngenta	[2] Color Does Not Match Name, [3] Non-Uniform, [4] Few Flowers, [5] Severe Winter Damage, [9] Low Vigor	1.80	Not many alive
Pansy	Delta™ Premium White with Blotch Improved	Syngenta	[1] Minor Winter Damage, [1] Some Chlorosis, [1] Uniform, [1] Unique Colors, [1] Unique Flower, [1] Vibrant Flower Color, [2] Non-Uniform, [2] Unique Flower Color, [3] Severe Winter Damage, [4] Few Flowers, [7] Low Vigor	3.20	Flower is vibrant with nice dark purple center and white edge
Pansy	Delta™ Premium Yellow with Purple Wing	Benary	[1] Great Foliage, [1] Non-Uniform, [1] Vigorous Plant, [2] Low Vigor, [2] Minor Winter Damage, [2] Unique Colors, [2] Unique Flower, [3] Unique Flower Color, [4] Vibrant Flower Color, [6] Uniform, [8] Many Flowers	5.10	Good complementary shades of yellow and purple

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Pansy	Fuseables Flower Date	Ball FloraPlant	[1] Great Foliage, [1] Low Vigor, [1] Non-Uniform, [2] Minor Winter Damage, [2] Unique Flower Color, [3] Vibrant Flower Color, [4] Uniform, [4] Vigorous Plant, [5] Unique Colors, [6] Many Flowers	4.80	Nice contrasting colors but yellow dominated, Nice pansy mix needs more purple
Pansy	Inspire® DeluXXe Denim	Benary	[1] Color Does Not Match Name, [1] Few Flowers, [1] Non-Uniform, [1] Unique Colors, [2] Great Foliage, [2] Low Vigor, [2] Unique Flower Color, [2] Vigorous Plant, [3] Minor Winter Damage, [4] Many Flowers, [5] Vibrant Flower Color, [6] Uniform	4.80	Nice large flowers
Pansy	Inspire® DeluXXe Light Rose Blotch	Benary	[1] Color Does Not Match Name, [1] Minor Winter Damage, [1] Severe Winter Damage, [1] Some Chlorosis, [2] Few Flowers, [2] Uniform, [2] Unique Colors, [2] Unique Flower Color, [3] Non-Uniform, [4] Many Flowers, [6] Low Vigor	4.00	Nice color combos with bright yellow eye
Pansy	Inspire® DeluXXe Ocean	Benary	[1] Minor Winter Damage, [1] Unique Colors, [3] Few Flowers, [4] Non-Uniform, [5] Severe Winter Damage, [7] Low Vigor	2.20	Only half survived
Pansy	Inspire® DeluXXe White Blotch	Benary	[1] Some Chlorosis, [1] Unique Flower, [2] Minor Winter Damage, [3] Non-Uniform, [3] Severe Winter Damage, [4] Few Flowers, [9] Low Vigor	2.90	Look "dirty"
Pansy	Inspire® DeluXXe White Violet Wing	Benary	[1] Few Flowers, [1] Uniform, [1] Vigorous Plant, [2] Severe Winter Damage, [2] Unique Colors, [4] Low Vigor, [4] Many Flowers, [4] Unique Flower Color, [4] Vibrant Flower Color, [5] Non-Uniform	4.30	Flowers are large and showy but half the plants had severe winter damage
Pansy	Inspire® DeluXXe Yellow	Benary	[1] Few Flowers, [1] Severe Winter Damage, [1] Some Chlorosis, [1] Vigorous Plant, [2] Minor Winter Damage, [2] Non-Uniform, [3] Uniform, [4] Low Vigor, [4] Many Flowers, [4] Vibrant Flower Color	3.60	
Pansy	Inspire® DeluXXe Yellow Blotch	Benary	[1] Minor Winter Damage, [1] Some Chlorosis, [1] Uniform, [2] Non-Uniform, [4] Few Flowers, [5] Severe Winter Damage, [8] Low Vigor	2.10	
Pansy	Inspire® Plus Blue Blotch	Benary	[1] Uniform, [4] Non-Uniform, [6] Few Flowers, [8] Severe Winter Damage, [9] Low Vigor	1.80	Barely alive, Very small in overall size
Pansy	Inspire® Plus Blue Velvet	Benary	[1] Great Foliage, [1] Low Vigor, [1] Vigorous Plant, [2] Minor Winter Damage, [2] Unique Flower Color, [4] Uniform, [4] Vibrant Flower Color, [8] Many Flowers	5.40	Beautiful depth of flower color, Good mix of colors in one flower
Pansy	Inspire® Plus Exp. Blue Blotch	Benary	[1] Minor Winter Damage, [1] Unique Flower Color, [1] Vibrant Flower Color, [2] Many Flowers, [4] Few Flowers, [4] Non-Uniform, [4] Severe Winter Damage, [5] Low Vigor	3.30	Only half survived , The ruffled petals are interesting
Pansy	Inspire® Plus Exp. Light Blue	Benary	[1] Disease Present, [1] Minor Winter Damage, [1] Some Chlorosis, [1] Unique Flower Color, [2] Non-Uniform, [4] Few Flowers, [5] Severe Winter Damage, [9] Low Vigor	2.70	Very small

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Pansy	Inspire® Plus Marina	Benary	[1] Great Foliage, [1] Low Vigor, [1] Unique Colors, [2] Vibrant Flower Color, [3] Minor Winter Damage, [3] Non-Uniform, [3] Uniform, [4] Unique Flower Color, [4] Vigorous Plant, [6] Many Flowers	5.10	Interesting blotch in center
Pansy	Inspire® Plus Orange	Benary	[1] Many Flowers, [1] Some Chlorosis, [1] Unique Flower Color, [1] Vigorous Plant, [2] Non-Uniform, [2] Severe Winter Damage, [2] Vibrant Flower Color, [3] Few Flowers, [3] Minor Winter Damage, [3] Uniform, [4] Low Vigor	3.70	
Pansy	Inspire® Plus Orange Blotch	Benary	[1] Unique Flower, [1] Vigorous Plant, [2] Minor Winter Damage, [2] Non-Uniform, [2] Unique Colors, [3] Low Vigor, [3] Unique Flower Color, [3] Vibrant Flower Color, [4] Uniform, [6] Many Flowers	4.80	Nice contrasting blotch
Pansy	Inspire® Plus Red Blotch	Benary	[1] Some Chlorosis, [1] Uniform, [1] Vigorous Plant, [2] Low Vigor, [2] Unique Colors, [2] Vibrant Flower Color, [4] Unique Flower Color, [5] Minor Winter Damage, [5] Non-Uniform, [7] Many Flowers	4.00	Saturated color
Pansy	Inspire® Plus True Blue	Benary	[1] Minor Winter Damage, [1] Vibrant Flower Color, [4] Few Flowers, [4] Severe Winter Damage, [5] Non-Uniform, [7] Low Vigor	2.50	Only half survived
pansy	Inspire® Plus White Blotch	Benary	[1] Few Flowers, [1] Severe Winter Damage, [1] Some Chlorosis, [1] Unique Colors, [1] Vigorous Plant, [2] Low Vigor, [3] Minor Winter Damage, [4] Many Flowers, [5] Non-Uniform	3.70	Decent flower size, Flowers looking up. Blotch was a good size - well balanced with white field, Has relatively large flowers, Not as many alive, Unique dark purple blotch
Pansy	Inspire® Plus Yellow	Benary	[1] Non-Uniform, [1] Some Chlorosis, [2] Minor Winter Damage, [2] Severe Winter Damage, [3] Vibrant Flower Color, [4] Many Flowers, [6] Uniform, [7] Low Vigor	3.20	
Pansy	Inspire® Plus Yellow Blotch	Benary	[1] Color Does Not Match Name, [1] Minor Winter Damage, [1] Non-Uniform, [1] Uniform, [4] Few Flowers, [5] Severe Winter Damage, [8] Low Vigor	2.10	
pansy	Inspire® Plus Yellow Purple Wing	Benary	[1] Non-Uniform, [1] Unique Flower, [1] Vigorous Plant, [2] Few Flowers, [2] Low Vigor, [2] Minor Winter Damage, [2] Unique Colors, [4] Unique Flower Color, [4] Vibrant Flower Color, [6] Uniform, [8] Many Flowers	5.80	Very unique flower pattern
Pansy	Joker Light Blue	Benary	[1] Uniform, [1] Vibrant Flower Color, [2] Great Foliage, [2] Minor Winter Damage, [2] Unique Flower, [3] Unique Colors, [3] Unique Flower Color, [5] Vigorous Plant, [7] Non-Uniform, [8] Many Flowers	5.40	Decent winter survival, growth habit seems a little leggy, Really cool face the blotch makes
pansy	Joker Mahogany & Gold	Benary	[1] Minor Winter Damage, [1] Unique Flower, [2] Great Foliage, [2] Unique Colors, [5] Uniform, [5] Unique Flower Color, [6] Vibrant Flower Color, [9] Many Flowers, [9] Vigorous Plant	6.50	Nice flower color combination flowers stand tall against foliage, Pattern isn't very stable but still attractive, Yellow edge against dark maroon petal very effective contrast

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Pansy	Joker Poker Face	Benary	[1] Few Flowers, [1] Low Vigor, [1] Unique Flower, [2] Great Foliage, [2] Minor Winter Damage, [4] Unique Colors, [4] Unique Flower Color, [4] Vigorous Plant, [5] Many Flowers, [5] Vibrant Flower Color, [7] Uniform	5.90	More successful purple orange combo with dark blotch in center
pansy	Joker Red & Gold	Benary	[1] Some Chlorosis, [1] Unique Flower, [1] Vibrant Flower Color, [1] Vigorous Plant, [2] Minor Winter Damage, [2] Uniform, [2] Unique Colors, [3] Low Vigor, [3] Non-Uniform, [5] Unique Flower Color, [6] Many Flowers	5.00	Interesting yellow edge around red petals, Very similar flower to cats red & gold
Pansy	Joker Violet & Gold	Benary	[1] Low Vigor, [1] Minor Winter Damage, [1] Non-Uniform, [1] Unique Flower, [2] Unique Colors, [3] Unique Flower Color, [3] Vigorous Plant, [5] Uniform, [6] Many Flowers, [7] Vibrant Flower Color	5.80	Boston blues, Bright magenta purple unique and effective against yellow
Pansy	Jolly Joker	Benary	[1] Low Vigor, [1] Severe Winter Damage, [2] Few Flowers, [2] Minor Winter Damage, [2] Non-Uniform, [2] Unique Colors, [2] Unique Flower Color, [2] Vigorous Plant, [4] Uniform, [5] Many Flowers, [5] Vibrant Flower Color	4.80	Odd color combo. Orange is too dark next to dark purple. Pansy face too small , Small flower, unique pattern
Pansy	Matrix Blue Blotch	Ball FloraPlant	[1] Many Flowers, [1] Non-Uniform, [1] Some Chlorosis, [2] Minor Winter Damage, [2] Uniform, [2] Vibrant Flower Color, [3] Severe Winter Damage, [4] Few Flowers, [7] Low Vigor	3.60	
Pansy	Matrix Morpheus	Ball FloraPlant	[1] Many Flowers, [1] Minor Winter Damage, [1] Non-Uniform, [1] Some Chlorosis, [1] Vigorous Plant, [2] Uniform, [2] Vibrant Flower Color, [3] Few Flowers, [3] Severe Winter Damage, [3] Unique Flower Color, [4] Unique Colors, [8] Low Vigor	3.30	
Pansy	Matrix Red Blotch	Ball FloraPlant	[1] Unique Colors, [3] Few Flowers, [3] Non-Uniform, [4] Low Vigor, [8] Severe Winter Damage	1.80	Mostly dead
Pansy	Matrix Rose Blotch	Ball FloraPlant	[1] Color Does Not Match Name, [1] Severe Winter Damage, [1] Unique Flower Color, [1] Vibrant Flower Color, [1] Vigorous Plant, [2] Few Flowers, [2] Non-Uniform, [3] Many Flowers, [3] Minor Winter Damage, [3] Uniform, [3] Unique Colors, [4] Low Vigor	4.20	Good shades of pink , Large flower with nice dark center
pansy	Matrix White Blotch	Ball FloraPlant	[1] Minor Winter Damage, [1] Some Chlorosis, [1] Unique Colors, [1] Unique Flower, [1] Vibrant Flower Color, [4] Few Flowers, [4] Severe Winter Damage, [5] Low Vigor, [5] Non-Uniform	3.30	
Pansy	Matrix® Orange	Ball FloraPlant	[1] Many Flowers, [1] Minor Winter Damage, [1] Some Chlorosis, [2] Non-Uniform, [2] Uniform, [4] Severe Winter Damage, [5] Few Flowers, [8] Low Vigor	2.70	
pansy	Matrix® Yellow	Ball FloraPlant	[1] Few Flowers, [1] Minor Winter Damage, [1] Some Chlorosis, [1] Vibrant Flower Color, [1] Vigorous Plant, [2] Non-Uniform, [2] Severe Winter Damage, [2] Uniform, [4] Low Vigor, [4] Many Flowers	3.60	One plant maybe reverting with purple wings

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Pansy (Trailing)	Cool Wave Fire	Ball FloraPlant	[1] Uniform, [1] Unique Flower Color, [1] Vigorous Plant, [2] Few Flowers, [2] Minor Winter Damage, [2] Vibrant Flower Color, [3] Low Vigor, [3] Unique Colors, [5] Many Flowers, [7] Non-Uniform	4.90	Great survivability
Pansy (Trailing)	Cool Wave Raspberry	Ball FloraPlant	[1] Some Chlorosis, [1] Uniform, [1] Unique Colors, [2] Few Flowers, [2] Severe Winter Damage, [2] Unique Flower Color, [2] Vibrant Flower Color, [3] Many Flowers, [3] Minor Winter Damage, [5] Non-Uniform, [7] Low Vigor	4.20	
Pansy (Trailing)	Cool Wave® Raspberry Swirl	Ball FloraPlant	[1] Some Chlorosis, [1] Uniform, [1] Vibrant Flower Color, [1] Vigorous Plant, [2] Few Flowers, [2] Low Vigor, [2] Many Flowers, [2] Minor Winter Damage, [2] Severe Winter Damage, [3] Unique Colors, [5] Non-Uniform, [5] Unique Flower Color	4.20	
Pansy (Trailing)	Cool Wave® Yellow Golden	Ball FloraPlant	[1] Unique Flower Color, [1] Vigorous Plant, [2] Minor Winter Damage, [4] Vibrant Flower Color, [5] Low Vigor, [5] Many Flowers, [6] Uniform	4.80	
Pansy (Trailing)	Exp. Freefall Victoriana	Floranova	[1] Few Flowers, [1] Unique Flower, [1] Vigorous Plant, [2] Low Vigor, [2] Uniform, [2] Unique Flower Color, [2] Vibrant Flower Color, [3] Minor Winter Damage, [3] Unique Colors, [4] Non-Uniform, [7] Many Flowers	5.20	Sweet ruffle petals
Pansy (Trailing)	Exp. Freefall XL Fire	Floranova	[1] Great Foliage, [1] Severe Winter Damage, [1] Unique Flower, [1] Vibrant Flower Color, [1] Vigorous Plant, [2] Minor Winter Damage, [2] Uniform, [2] Unique Colors, [3] Non-Uniform, [3] Unique Flower Color, [5] Low Vigor, [5] Many Flowers	4.60	Interested petal shape , not all true to type
Pansy (Trailing)	Exp. Freefall XL Golden Yellow	Floranova	[1] Great Foliage, [1] Low Vigor, [1] Unique Flower Color, [2] Minor Winter Damage, [5] Vibrant Flower Color, [5] Vigorous Plant, [6] Uniform, [8] Many Flowers	5.70	Doesn't seem to be trailing
Pansy (Trailing)	Exp. Freefall XL Lavender Wing	Floranova	[1] Severe Winter Damage, [1] Vibrant Flower Color, [2] Minor Winter Damage, [2] Non-Uniform, [2] Unique Flower Color, [3] Uniform, [5] Many Flowers, [9] Low Vigor	3.90	Flowers are mostly white with not much lavender possibly due to weakened state from hard winter, not all true to type, small flower too close to ground to be effective
Pansy (Trailing)	Exp. Freefall XL Scarlet Blotch	Floranova	[1] Severe Winter Damage, [1] Unique Colors, [1] Vigorous Plant, [2] Minor Winter Damage, [2] Non-Uniform, [3] Low Vigor, [3] Vibrant Flower Color, [5] Uniform, [6] Many Flowers	5.00	Good red/orange
Pansy (Trailing)	Exp. Freefall XL White	Floranova	[1] Few Flowers, [1] Great Foliage, [1] Unique Flower Color, [2] Severe Winter Damage, [5] Low Vigor, [5] Many Flowers, [5] Uniform	4.90	Most flowers held their color but there are a couple that are mostly yellow instead of mostly White
Pansy (Trailing)	Exp. Freefall XL Yellow Blotch	Floranova	[1] Great Foliage, [1] Non-Uniform, [2] Minor Winter Damage, [2] Unique Flower Color, [2] Vigorous Plant, [4] Vibrant Flower Color, [7] Many Flowers, [7] Uniform	5.20	Better winter survivability, blotch stands out in comparison to yellow on flower, blotch too small

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Pansy (Trailing)	Freefall XL Azure Blue	Floranova	[1] Few Flowers, [1] Non-Uniform, [1] Unique Flower, [2] Great Foliage, [2] Low Vigor, [2] Minor Winter Damage, [2] Unique Colors, [3] Unique Flower Color, [5] Uniform, [5] Vibrant Flower Color, [9] Many Flowers, [9] Vigorous Plant	7.10	Flowers stand tall compared to foliage
Pansy (Trailing)	Freefall XL Bright Yellow	Floranova	[1] Low Vigor, [1] Unique Colors, [2] Minor Winter Damage, [3] Vigorous Plant, [4] Vibrant Flower Color, [7] Many Flowers, [7] Uniform	4.80	
Pansy (Trailing)	Freefall XL Purple Face	Floranova	[1] Great Foliage, [2] Low Vigor, [2] Minor Winter Damage, [2] Unique Colors, [2] Unique Flower Color, [2] Vibrant Flower Color, [2] Vigorous Plant, [3] Non-Uniform, [4] Uniform, [7] Many Flowers	5.20	
Pansy (Trailing)	Freefall XL Red Wing	Floranova	[1] Severe Winter Damage, [1] Unique Colors, [1] Unique Flower Color, [2] Vigorous Plant, [3] Minor Winter Damage, [4] Non-Uniform, [8] Many Flowers	5.00	Flower pattern break, Flower pattern is not stable, red/orange not effective
Viola	Admire® Blue	Benary	[1] Non-Uniform, [1] Unique Colors, [2] Few Flowers, [2] Many Flowers, [2] Minor Winter Damage, [2] Severe Winter Damage, [2] Uniform, [7] Low Vigor	4.00	
Viola	Admire® Deep Blue	Benary	[1] Great Foliage, [1] Unique Flower Color, [2] Few Flowers, [3] Minor Winter Damage, [5] Vibrant Flower Color, [5] Vigorous Plant, [7] Many Flowers, [8] Uniform	6.30	
Viola	Admire® Deep Marina	Benary	[1] Great Foliage, [1] Minor Winter Damage, [1] Unique Flower, [2] Unique Colors, [3] Unique Flower Color, [3] Vibrant Flower Color, [5] Vigorous Plant, [7] Uniform, [8] Many Flowers	6.60	
Viola	Admire® Deep Purple Face	Benary	[10] Many Flowers, [10] Vigorous Plant, [2] Great Foliage, [2] Unique Flower, [3] Color Does Not Match Name, [3] Unique Flower Color, [6] Vibrant Flower Color, [9] Uniform	7.40	Its great, nice growth habit and vigor
Viola	Admire® Exp. Jolly Face	Benary	[1] Severe Winter Damage, [1] Unique Flower, [1] Vibrant Flower Color, [2] Vigorous Plant, [3] Low Vigor, [3] Minor Winter Damage, [4] Unique Flower Color, [5] Uniform, [8] Many Flowers	5.50	Nice face pattern
Viola	Admire® Exp. Yellow Purple Wing	Benary	[1] Unique Flower Color, [2] Few Flowers, [2] Low Vigor, [2] Minor Winter Damage, [2] Unique Colors, [2] Vigorous Plant, [3] Vibrant Flower Color, [5] Many Flowers, [6] Uniform	5.60	
Viola	Admire® Marina	Benary	[1] Minor Winter Damage, [1] Severe Winter Damage, [1] Unique Colors, [1] Unique Flower, [1] Vibrant Flower Color, [1] Vigorous Plant, [3] Non-Uniform, [3] Uniform, [3] Unique Flower Color, [4] Low Vigor, [5] Many Flowers	5.20	

*Number next to description indicates the number of times it was noted by evaluators; **Ratings = 1 (poor) to 10 (excellent) on evaluation day by evaluators

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Viola	Admire® Orange Purple Wing	Benary	[1] Few Flowers, [1] Great Foliage, [1] Non-Uniform, [1] Unique Flower, [1] Unique Flower Color, [2] Minor Winter Damage, [2] Vibrant Flower Color, [2] Vigorous Plant, [3] Low Vigor, [3] Unique Colors, [4] Uniform, [5] Many Flowers	5.00	
Viola	Admire® Orange Purple Wing	Benary	[1] Few Flowers, [1] Low Vigor, [1] Minor Winter Damage, [1] Unique Flower, [2] Unique Colors, [3] Vibrant Flower Color, [4] Vigorous Plant, [5] Unique Flower Color, [6] Many Flowers, [8] Uniform	6.10	
Viola	Admire® Red Blotch	Benary	[1] Severe Winter Damage, [2] Low Vigor, [2] Vibrant Flower Color, [2] Vigorous Plant, [3] Minor Winter Damage, [3] Unique Flower Color, [6] Many Flowers, [6] Uniform	4.40	Good deep red color
Viola	Admire® White Purple Wing	Benary	[1] Few Flowers, [1] Severe Winter Damage, [1] Unique Colors, [1] Vibrant Flower Color, [2] Minor Winter Damage, [2] Non-Uniform, [2] Unique Flower Color, [2] Vigorous Plant, [3] Low Vigor, [5] Many Flowers, [5] Uniform	4.90	
Viola	Admire® Yellow	Benary	[1] Great Foliage, [1] Minor Winter Damage, [5] Vibrant Flower Color, [5] Vigorous Plant, [8] Uniform, [9] Many Flowers	5.90	Golden yellow not as vibrant , nice plant habit
Viola	Admire® Yellow Blotch	Benary	[1] Great Foliage, [1] Vibrant Flower Color, [2] Minor Winter Damage, [2] Unique Flower Color, [4] Vigorous Plant, [9] Many Flowers, [9] Uniform	5.50	
Viola	Admire® Yellow Purple Wing	Benary	[1] Low Vigor, [1] Non-Uniform, [1] Vigorous Plant, [2] Minor Winter Damage, [2] Unique Colors, [2] Vibrant Flower Color, [3] Unique Flower Color, [5] Uniform, [7] Many Flowers	5.50	
Viola	Endurio White Imp.	Syngenta	[1] Minor Winter Damage, [1] Severe Winter Damage, [2] Low Vigor, [2] Vibrant Flower Color, [2] Vigorous Plant, [8] Many Flowers, [8] Uniform	5.30	Best white variety , bright white
Viola	Endurio Yellow Imp.	Syngenta	[2] Few Flowers, [2] Many Flowers, [2] Severe Winter Damage, [2] Vibrant Flower Color, [3] Minor Winter Damage, [3] Uniform, [4] Non-Uniform, [6] Low Vigor	4.10	Color seems to be fading on some flowers, Flower too small
Viola	Endurio® Red Flare	Syngenta	[1] Many Flowers, [2] Minor Winter Damage, [2] Severe Winter Damage, [2] Uniform, [2] Unique Flower Color, [4] Non-Uniform, [5] Few Flowers, [7] Low Vigor	4.20	Dull flower color
Viola	Endurio® Blue Yellow with Purple Wing	Syngenta	[1] Minor Winter Damage, [1] Unique Flower, [2] Great Foliage, [2] Vibrant Flower Color, [3] Unique Colors, [4] Unique Flower Color, [4] Vigorous Plant, [8] Many Flowers, [8] Uniform	6.00	
Viola	Fuseables Sunny Skies	Ball FloraPlant	[10] Many Flowers, [1] Great Foliage, [1] Minor Winter Damage, [2] Non-Uniform, [3] Unique Flower Color, [4] Uniform, [5] Unique Colors, [5] Vibrant Flower Color, [6] Vigorous Plant	6.20	Nice combination of colors, Nice flower color mixture, Nice mix of light purple and yellow some missing yellow, survived well!, the various shades of blue are really stunning

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Viola	Penny™ Blue	Syngenta	[1] Minor Winter Damage, [1] Severe Winter Damage, [2] Few Flowers, [2] Many Flowers, [5] Uniform, [6] Low Vigor	4.10	
Viola	Penny™ Clear Yellow	Syngenta	[1] Unique Flower Color, [1] Vibrant Flower Color, [2] Severe Winter Damage, [3] Minor Winter Damage, [3] Uniform, [4] Few Flowers, [6] Low Vigor	3.70	
Viola	Penny™ Deep Blue Improved	Syngenta	[1] Many Flowers, [1] Severe Winter Damage, [1] Unique Flower Color, [1] Vibrant Flower Color, [3] Few Flowers, [3] Minor Winter Damage, [3] Uniform, [7] Low Vigor	4.00	
Viola	Penny™ Exp. Black	Syngenta	[1] Few Flowers, [1] Minor Winter Damage, [1] Non-Uniform, [1] Severe Winter Damage, [1] Vibrant Flower Color, [2] Unique Colors, [2] Vigorous Plant, [4] Low Vigor, [4] Unique Flower Color, [5] Many Flowers, [5] Uniform	5.20	Flowers are small in size, I would like to see more cultivars with this color
Viola	Penny™ Exp. Yellow Jump up	Syngenta	[1] Vigorous Plant, [2] Low Vigor, [2] Unique Colors, [2] Vibrant Flower Color, [3] Minor Winter Damage, [3] Non-Uniform, [3] Unique Flower Color, [5] Many Flowers, [5] Uniform	5.00	Nice flower with purple white yellow and dark yellow eye, Small flowered
Viola	Penny™ Orange	Syngenta	[1] Some Chlorosis, [1] Unique Flower Color, [2] Few Flowers, [2] Severe Winter Damage, [2] Vibrant Flower Color, [3] Minor Winter Damage, [4] Non-Uniform, [6] Low Vigor	3.60	
Viola	Penny™ Orange Jump	Syngenta	[1] Few Flowers, [1] Low Vigor, [1] Minor Winter Damage, [1] Vibrant Flower Color, [2] Non-Uniform, [3] Unique Colors, [3] Unique Flower Color, [4] Uniform, [4] Vigorous Plant, [6] Many Flowers	5.70	
Viola	Penny™ Red Wing	Syngenta	[1] Severe Winter Damage, [1] Vibrant Flower Color, [1] Vigorous Plant, [2] Many Flowers, [2] Uniform, [2] Unique Colors, [2] Unique Flower Color, [3] Minor Winter Damage, [4] Few Flowers, [5] Low Vigor, [5] Non-Uniform	4.20	
Viola	Penny™ Violet	Syngenta	[1] Non-Uniform, [1] Severe Winter Damage, [1] Vibrant Flower Color, [2] Many Flowers, [3] Minor Winter Damage, [4] Uniform, [5] Few Flowers, [5] Low Vigor	4.30	
Viola	Penny™ Violet Face	Syngenta	[1] Unique Colors, [1] Vibrant Flower Color, [2] Severe Winter Damage, [3] Unique Flower, [3] Unique Flower Color, [5] Low Vigor, [6] Many Flowers, [6] Uniform	4.70	Cute pattern!, Small flowers, White blotch might be too small
Viola	Penny™ White	Syngenta	[1] Non-Uniform, [2] Severe Winter Damage, [2] Uniform, [3] Minor Winter Damage, [4] Few Flowers, [8] Low Vigor	3.40	Small flowers
Viola	Penny™ White Jump Up	Syngenta	[1] Great Foliage, [1] Minor Winter Damage, [1] Unique Colors, [1] Unique Flower, [2] Vibrant Flower Color, [4] Vigorous Plant, [5] Unique Flower Color, [7] Many Flowers, [7] Uniform	5.50	Flower colors contrast for vibrant show

Overall Rating and Comments by Evaluators on Evaluation Day 5/15/2019

Genus	Cultivar	Company Name	Evaluator Comments*	Rating **	Additional Comments on 5/15/2019
Viola	Sorbet XP Blue Blotch	Ball FloraPlant	[1] Great Foliage, [1] Minor Winter Damage, [1] Non-Uniform, [1] Severe Winter Damage, [2] Low Vigor, [2] Vigorous Plant, [5] Many Flowers, [5] Uniform, [5] Vibrant Flower Color	4.90	
Viola	Sorbet XP Orange	Ball FloraPlant	[1] Non-Uniform, [1] Severe Winter Damage, [1] Unique Flower Color, [1] Vigorous Plant, [2] Low Vigor, [2] Minor Winter Damage, [3] Vibrant Flower Color, [6] Uniform, [7] Many Flowers	4.70	
Viola	Sorbet XP Purple	Ball FloraPlant	[1] Low Vigor, [1] Minor Winter Damage, [2] Great Foliage, [6] Uniform, [6] Vibrant Flower Color, [7] Vigorous Plant, [9] Many Flowers	6.70	
Viola	Sorbet XP Yellow Blotch	Ball FloraPlant	[1] Few Flowers, [1] Severe Winter Damage, [1] Some Chlorosis, [1] Vigorous Plant, [2] Vibrant Flower Color, [3] Minor Winter Damage, [4] Low Vigor, [4] Uniform, [5] Many Flowers	4.30	
Viola	Sorbet XP Yellow Blue Jump Up	ball	[1] Great Foliage, [2] Minor Winter Damage, [2] Vibrant Flower Color, [3] Low Vigor, [3] Unique Colors, [3] Vigorous Plant, [6] Unique Flower Color, [7] Uniform, [8] Many Flowers	5.60	Unique flower color with soft blue white yellow and pronounced whiskers
Viola	Sorbet XP Yellow Improved	Ball FloraPlant	[1] Great Foliage, [1] Low Vigor, [1] Minor Winter Damage, [3] Vibrant Flower Color, [4] Vigorous Plant, [5] Uniform, [9] Many Flowers	5.80	