Colorado State University

2017 Perennial Flower Trial

Performance Report

Department of Horticulture and Landscape Architecture

1401 Remington Street

Fort Collins, CO 80523

www.flowertrials.colostate.edu

(Click on “Trials” tab and select “Perennial Results”)

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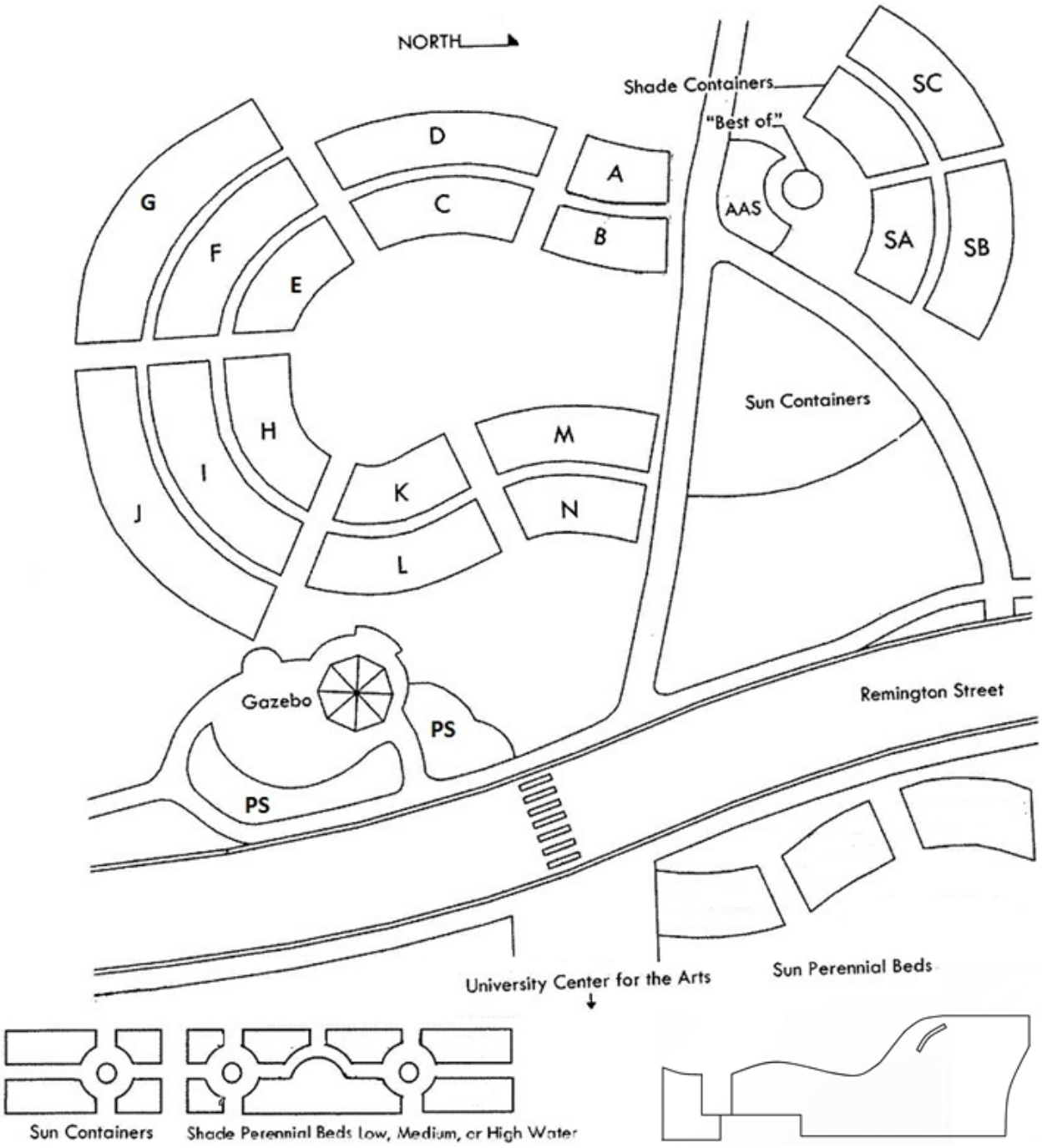

GARDEN MAP

Note: The Perennial Trials are part of the Annual Flower Trial Garden program and are located directly across the street in front of the Center for the Arts.

Colorado State University

2017 Perennial Trial Garden

Performance Report

Dr. James E. Klett, David Staats and Shana Brown

Introduction

Dr. James E. Klett is the faculty coordinator for the Annual and Perennial Flower Trial Gardens. In 2000, the annual trial garden was moved from its site at PERC (Plant Environmental Research Center) to the park located at the corner of Remington and Lake Street. The relocation of the annual garden to this more spacious and visible site furthered its mission by more effectively extending education, research and outreach to students, home gardeners, Master Gardeners, community members, and Green Industry personnel. In 2007, the Perennial Trials were created in response to increased interest in new perennial cultivars. The Perennial Trials are located directly across the street to the east from the Annual Trial Garden in front of the University Center for the Arts. It is managed by staff from the CSU Department of Horticulture and Landscape Architecture with substantial oversight from the Perennial Trial subcommittee which is part of the Annual Flower Trial Garden committee. Each entry must have been introduced within the past three years and is evaluated for three complete years and two winters to determine hardiness and consistent landscape performance.

The purpose of the trial garden is to evaluate the performance of herbaceous perennial plant species and cultivars under our unique Rocky Mountain environmental conditions. Our growing conditions are characterized by high altitude, intense solar radiation, drying winds, severe hailstorms, large fluctuations between day and night temperatures, and a season-long need for irrigation. Plants are evaluated for plant vigor, uniformity, floriferousness, and tolerance to environmental and biotic stresses. Data (ratings and photos) were collected every two weeks (May to early October) by the Perennial Trial Garden Coordinator. Plants were also evaluated once a month by some members of the Perennial Trial subcommittee. The Perennial Trial subcommittee met November 20th, 2017 to review data and photos to vote on which entries should be designated a “Top Performer” for the class of 2015.

The project is mostly funded by the entry fees collected from the plant breeding companies and perennial propagators who have chosen to participate in the trials. Additional financial assistance and supplies for the trial operations are donated by a number of sources. These sources include individuals, various foundations, nurseries, greenhouse growers and plant and seed production companies from across the nation. The trial garden at Colorado State University receives no operating dollars directly allocated from state funds. Some operational and staff dollars have come from the Colorado State Agricultural Experiment Station, Extension, the College of Agricultural Sciences, and the Department of Horticulture and Landscape Architecture.

Acknowledgements

The Department of Horticulture and Landscape Architecture at Colorado State University would first like to thank the many plant and seed companies who continue to participate in the trials year after year. Without their cooperation and support, the research done at the trial garden would not be possible. This year, the following 18 plant and seed companies participated in the trials, entering 98 new varieties of herbaceous perennial plants for a total of 257 entries in the trials:

Blooms of Bressingham
Cultivaris
Danziger
Darwin Perennials
Dummen Orange
Eason Horticulture Resources
Hilverdakooij
Intrinsic Perennial Gardens
Jelitto Perennial Seeds
North Creek Nurseries
PanAmerican/Kieft
Plant Select®
Plants Nouveau
Schoneveld
Skagit Gardens
Star Roses and Plants/Conard-Pyle Co.
Terra Nova Nurseries
Walters Gardens/Proven Winners

We would like to recognize several companies that have donated supplies to the program. Thanks are extended to GreenCare Fertilizers, Inc. for donating the water soluble fertilizer used in both the greenhouses and the garden. We would like to thank Gulley Greenhouse, Altman Plants, and Pindstrup, for donating the potting media for all the vegetatively propagated plants grown in our greenhouses. Thank you to Everris, Inc. for donating the slow release fertilizer that was used in the ground beds. Thank you to Organix for donating organic media to amend newly established ground beds. And thanks to Welby Gardens for growing all seed propagated perennial plants at a substantially reduced cost to the trial.

The Department of Horticulture and Landscape Architecture would like to recognize and thank the following people for making the trial gardens happen this year.

The Annual Trial Garden Staff – Sean Markovic, Burton Thomas, Emily Helmus, and Sam White
All the Larimer County Master Gardeners who volunteered their time and hard work.
The Trial Garden Advisory Committee – Harvey Lang (Syngenta Flowers), Melissa Main (Ernst Benary of America, Inc.), Dan Gerace (Welby Gardens), Al Gerace (Welby Gardens), Diana Reavis (Eason Horticultural Resources Inc.), Duane Sinning (Colorado Department of Agriculture), Eric Pitzen (Syngenta Flowers), Frank Yantorno (Center Greenhouse, Inc.), Galen Dokter (Vaughan's Horticulture), Gene Pielin (Gulley Greenhouse), Jim Devereux (Green Fuse), David Gartner (Tagawa Greenhouses), Milan Clinkingbeard (Tagawa Greenhouses), Karl Trellinger (Syngenta Flowers), Keith Stieduhar (City of Westminster), Bridget Blomquist (Denver Botanic Gardens), Mark Seguin (Sakata Ornamentals), Merle Moore (retired, Denver Zoological Gardens), Ron Brum (Ball Horticultural Company), Amy Gonzales (Syngenta Flowers), Luke Ellington (Express Seed Company), Susan Stauber (Ball Horticultural Company), Traicer Gray (Elitch Gardens), Julie Lehman (Denver City Park Greenhouse), Richard Anderson (Denver Tech Center), Reese Niles (retired, Walters Gardens), Brian Austin (Dutch Heritage Gardens), Emily Mason (Dummen Orange), Jini Bates (Bloomin'), Debra Pfaff (City of Broomfield), Holly Shields (Denver City Parks), Nick Marinelli (Weston Landscape and Design), Scott Fulton (Botany Lane Greenhouse),

Aaron Bivens (Altman Plants), Sean Moody (Ceres Land Care), Steven Engel (Pan American Seed), Chris Berg (Westhoff), Beth Gulley (Gulley Greenhouse), Kathy McKay (Flamingo Holland)

And a special thanks to those who served on the Perennial Trial Sub-Committee - Jini Bates from Bloomin' Landscapes, Aaron Bivens from Altman Plants, Bridget Blomquist from Denver Botanic Gardens, Ron Brum and Susan Stauber from Ball Horticultural Company, Dan Gerace from Welby Gardens, Beth Gulley and Gene Pielin from Gulley Greenhouse, Sean Moody from Ceres Land Care, Merle Moore formerly of Denver Zoological Gardens, Richard Anderson from the Denver Tech Center, Galen Dokter from Vaughan's Horticulture, and Diana Reavis from Eason Horticultural Resources.

Perhaps most importantly, much thanks and appreciation goes to the Perennial Trial Garden staff at the university that has worked diligently to prepare and maintain the garden. These people include:

Horticulture Research Associate	David Staats
Perennial Trial Coordinator	Shana Brown
Perennial Trial Assistant Coordinator	Ariana Feist

For further information on the Annual and Perennial Flower Trial Garden at Colorado State University, feel free to write, call or e-mail:

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This report is also available online at:
www.flowertrials.colostate.edu
(Click on "Trials" tab and select "Perennial Results")

An Invitation

You are cordially invited to tour the garden at your leisure to enjoy the color and ambiance of a place that is like no other in Colorado. Any suggestions you may have for future programs or improvements are strongly encouraged, so please feel free to contact us with your ideas.

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Cultural Data[1]

Growing

Vegetative propagated plants did not arrive all at the same time or at the same growth stage. All of the new entries were planted in the garden in May and June. Most vegetative varieties were received as plugs and transplanted into 4" pots shortly after arriving at Colorado State University. Bare root varieties were transplanted into #3 containers. They were planted into the garden when they established well in their pot. Seed entries arrived in early June and were planted directly into the garden.

Fertilization in the Greenhouses

Dosatron® fertilizer injectors rated at 7 GPM were used in the greenhouses to fertilize plants at every watering. GreenCare 14-4-14 water soluble fertilizer was used. They received fertilization at a rate of 200ppm. All plants were grown in the greenhouses at the CSU Horticulture Center, with the exception of the seed varieties which were grown at Welby Gardens.

Chemicals Used in the Greenhouses

Banrot® (6 oz/gallon) and Rootshield® (0.5 tsp/gallon) was applied to all plugs immediately after arrival and prior to potting.

Soil Amendments and Preparation

All beds were raked clean of old mulch, dead plant material and weeds prior to planting. Newly established beds were amended with media donated by Organix.

Planting

Plants were grown in highly amended beds (see soil analysis table). Entries were planted in beds that corresponded with their preferred sun or shade requirements. Beds were fertilized (see fertilization section for details) and new beds were tilled prior to planting new varieties. Planting holes were prepared by hand to the correct depth for root ball prior to planting.

[1] No endorsement of products named is intended nor is criticism of products not mentioned.

Bed Spacing

Entries were planted in the ground based on estimated mature plant size and how many were sent. Generally, plants were spaced at one foot centers with one row of nine plants. If fewer plants were sent they may have been planted at wider spacing. There were approximately 18 inches between entries in the beds.

Watering

All beds in the trial garden received the same water amounts. An irrigation audit was conducted at the beginning of the season to determine the irrigation rate per bed. This rate was used to calculate the total length of time to irrigate each bed. Plant beds were watered with 1.0-1.5 inches per week depending on the amount of natural precipitation received and newly planted varieties received more initially. The irrigation was sometimes adjusted as needed to make sure plants were not stressed.

Fertilization in the Garden

After planting, Osmocote® (17-5-11) was applied to all beds at the rate of 6 grams/sq. ft. (suggested medium rate on label). GreenCare water soluble fertilizer (20-10-20) was dispensed through a 100 GPM Dosatron® twice a week at a rate of 200 ppm.

Maintenance of Flowers

All flowers were deadheaded as needed to give a clean appearance and encourage secondary blooming. Most plants are cut back to the ground in late fall or early spring.

Weed Control

Glyphosate was applied as a spot treatment to control encroaching grass around the edges of the beds in June. Later in the season herbicide applications along edge of beds were only done on a need basis. Otherwise, all weeding was done by hand throughout the season inside garden beds.

Pest Control in Garden

There were no major pest problems in the garden this year, so no chemicals were used for pest control.

Disease Control in Garden

Powdery mildew was a problem on several varieties in late summer and it was noted in the comment section of the data tables.

Dates of Severe Weather

The weather was warm and dry in the late winter and spring until May 18th when there was a significant snowstorm. After the snow was cleared, the weather remained dry through the summer until August when we got a few weeks of rain. Fall was warm and moist with the first frost date (Below 32°F) occurring on October 2nd, 2017.

Monthly Temperatures and Precipitation for Winter 2016-2017

Month	Avg. Maximum Temperature	Avg. Minimum Temperature	Precipitation (Inches)
November	60.4 °F	30.1 °F	0.43
December	39.7 °F	14.9 °F	0.52
January	43.0 °F	17.7 °F	0.89
February	54.5 °F	26.6 °F	0.52
March	63.4 °F	33.5 °F	0.99

Monthly Temperatures and Precipitation for Summer 2017

Month	Avg. Maximum Temperature	Avg. Minimum Temperature	Precipitation (Inches)
April	63.3° F	37.1° F	2.12
May	70.6° F	42.7° F	4.44
June	83.8° F	53.9° F	0.14
July	89.3° F	59.9° F	0.95
August	82.4° F	55.3° F	2.38
September	74.1° F	48.1° F	2.09
October	54.3° F	29.5° F	1.65

*Weather information for the Fort Collins area provided by the Colorado State University at: http://ccc.atmos.colostate.edu/sum_form.html as well as U.S. Climate Data website at: http://www.usclimatedata.com/climate/fort-collins/colorado/united-states/usco0140

Data Collection Methods

Plant Size

Height and width measurements were taken once toward the end of the growing season on September 12th, 2017. This was done to determine the approximate average size and growth performance of the mature plants. For plants that were planted in 2017, their height and width were also taken to get a feel for how their first season growth performance was. For consistency in bed data collection, the third plant from the front of the left row was measured; however, if that plant was noticeably smaller or larger than average, an alternate plant was selected for measurement. Measurements were taken at the highest and widest parts of the plant, including any flowers.

Soil Samples

Numerous samples were taken from individual ground beds on March 27th, 2017 and were combined into a single sample and submitted to the CSU Soil Testing Lab. The results are as follows:

Soil Analysis

Location	pH	E.C. mmhos/ cm	Lime Estimate	% OM	NO_3-N ppm	P ppm	K ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm	Texture
Perennial Beds	7.4	1.0	Low	7.8	49.6	348	434	20.9	153	11.4	9.0	Sandy Loam

Performance Evaluation

Photos and data on plants and flowers were collected on a bi-weekly basis from May to early October. Dead plants in the trial were not considered in the bi-weekly evaluation; thus, the ratings given only reflect the live plants. Members from the Perennial Trial subcommittee also came and wrote comments for each plant in June, July, and August. Plants and flowers were rated 0-5 using the following scale:

0 = Dead/No flowers

1 = Poor: Plants are very sick or dying, extremely few flowers

2 = Below Average: Plants are unattractive in some form, i.e. – leggy growth habit, chlorotic or low vigor, flowers are few and occurring sporadically

3 = Average: Plant appearance with growth characteristics that would be expected for the time of season; flowers would be few but uniform across the plants

4 = Good: Plants look attractive (foliage, growth habit, etc.,); flowers are blooming strong and showy

5 = Excellent: Plants are very healthy and uniform; flowering is impressive

Selection of "Top Performers"

On November 20th, 2017, a conference call was convened with CSU staff and the Perennial Trial Garden Subcommittee. Pictures of entries from the 2015 planting were posted to the Perennial Trial website for review. Data from the growing season was compiled and emailed to each evaluator prior to the conference call for review. After discussion and looking at the pictures taken throughout the season, each plant was voted on by each member of the committee as to whether it should be awarded the designation as a "Top Performer".

"Top Performers" for 2017 Season
Class of 2015 Grown 3 Summers and 2 Winters

Kahori® Border Pink from Bartels
(Dianthus 'Kahori')
Noted as an impressive advancement in breeding, evaluators described this as the new standard for Dianthus. The vibrant pink flowers cover the plants at peak bloom and create a mat of stunning color. This entry is superior for an extremely long period of bloom and exceptional uniformity. It has proven to be reliably winter hardy and would look great in a rock garden or crevice garden. It looks great in ground beds and would make a beautiful border, but is a great choice to use in containers since it is always in bloom. This selection remains very compact and has great heat tolerance during the peak of summer temperatures. It was very attractive even during its first year in the garden and has only gotten better each year since it was planted.

Winterbells® Helleborus from Hilverdakooij
(Helleborus Interspecific 'JWLS')
This winner was selected in part for its unique ability to bloom over the entire spring and summer. It adds a touch of elegance to the garden with delicate nodding bells, glossy dark green foliage and a very attractive dense, compact growth habit. Narrow, graceful foliage can be evergreen if planted in a protected location and is relatively low maintenance. The subtly beautiful bell shaped flowers provide a long season of interest as they emerge a dusty pink, becoming pale yellow, white, and then light green by summer. Besides making a great groundcover, the flowers are useful for cut flower production throughout the year.

PHENOMENAL™ Lavender from Cultivaris
(Lavandula x intermedia 'Niko'[PP24193])
The abundant, tall graceful flower stalks are held high above the foliage for maximum display. Besides being very uniform, all plants had excellent cold hardiness. It was noted that they would do best if grown on the drier side to avoid lodging of the flower stalks. Pollinators are very attracted to this plant and it has a high oil content that makes is very attractive to commercial production as well as providing the classic lavender fragrance to the garden.

Flame® Blue Phlox from Bartels
(Phlox paniculata Flame® Blue)
Abundant blue and white flowers are held upright on sturdy stems that never lodged despite overhead irrigation used in the garden. Flower color is a subtle blue that is strongest in early summer and again late in the season as the temperature cools. It was a relatively early bloomer starting in mid-July and could continue through October if deadheaded. Self-branching plants had a very full and uniform growth habit as well as superior resistance to powdery mildew.

Jacob's Gold® Jacob's Ladder from Blooms of Bressingham
(Polemonium reptans)
Foliage emerges in the spring with a very unique blend of pink, purple and green. April brings a flush of delicate pale blue flowers held above the soft textured foliage. As the season progresses, the new foliage makes a very attractive cream and green variegation which then matures to a more solid green appearance. Jacob's Gold makes an excellent ground cover throughout the season with attractive foliage that will brighten up any shady garden.

Ronica™ Dark Pink Veronica from Danziger
(Veronica Ronica™ Dark Pink)
Big, fat and sassy flower spikes put on an eye-catching show of vibrant pink flowers. Plants keep a very formal appearance with great uniformity and glossy emerald green foliage that really sets off the pink flowers. Bloom period was very long especially if deadheaded. Had superior resistance to powdery mildew compared to other entries growing in the trial. Growth habit was very full and dense.

"Too Good to Wait" Performers for 2017 Season
Class of 2016 Grown 2 Summers and 1 Winter

The Perennial Trial Garden Sub-committee likes to award the 'Top Performer' designation to superior plants that have been in the ground 2 winters and 3 growing seasons. This category is to acknowledge an upcoming plant that has been in the ground one winter and two growing seasons and shows excellent performance thus far in the trial. The following plant impressed the Perennial Trial Garden Sub-committee so much that they designated the category name: "Too Good to Wait Performer".

KISMET™ Intense Orange Coneflower from Terra Nova Nurseries
(Echinacea 'TNECHKIO'[PPAF])
The sheer mass of vibrant flowers draws people all the way from across the street. Prolific flowers form a solid canopy of blooms over the plants which makes this variety a great choice for the home gardener or landscaper looking for a showstopper. The intense orange color almost seems to glow at its peak. Flower color fades to an attractive shade of pale yellow to maintain a long season of bloom. Foliage is also very unique and attractive early in the season. Plants have a very uniform growth habit and good branching. The **KISMET™** series also features colors of raspberry, red and yellow.

Entries that Failed to Overwinter

Some plants had extreme winter losses but if at least one plant survived through the winter they were included in the data even if it died out later in the season. Plants listed below are varieties that had a zero percent survival rate for the 2016-2017 winter.

Genus	Cultivar	Company	Year Planted
Coreopsis	Sun Swirl	Dummen Orange	2016
Coreopsis	UpTick™ Cream	Darwin Perennials	2016
Coreopsis	UpTick™ Cream & Red	Darwin Perennials	2016
Coreopsis	UpTick™ Gold & Bronze	Darwin Perennials	2016
Coreopsis	UpTick™ Yellow& Red	Darwin Perennials	2016
Dianthus	Odessa Bling Bling	Bartels	2015
Dianthus	Odessa Orange Bling Bling	Bartels	2015
Dianthus	Odessa Red	Bartels	2015
Dianthus	Sunflor Allura Red	Bartels	2015
Dianthus	Sunflor Luigi	Bartels	2015
Dianthus	Sunflor Mimi	Dummen Orange	2016
Heucherella	HAPPY HOUR™ Lime	Terra Nova Nurseries	2016
Heucherella	Honey Rose	Terra Nova Nurseries	2015
Heucherella	Plum CASCADE™	Terra Nova Nurseries	2016
Monarda	M0015	Dummen Orange	2016
Penstemon	Cha Cha™ Hot Pink	Terra Nova Nurseries	2015
Penstemon	Cherry Sparks	Darwin Perennials	2016
Penstemon	MissionBells™ Deep Rose	Darwin Perennials	2016
Penstemon	Peptalk Cerise	Dummen Orange	2016
Penstemon	Peptalk Hot Pink	Dummen Orange	2016
Penstemon	Peptalk Purple	Dummen Orange	2016

Penstemon	Peptalk Red	Dummen Orange	2016
Schizachyrium	Blue Paradise [PPAF]	Walter's Gardens	2016
Stokesia	Blue Frills	Blooms of Bressingham	2015
Stokesia	Blue Frills	Blooms of Bressingham	2016
Viola	Celestial™ Midnight	Darwin Perennials	2015

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Achillea	Little Moonshine	Blooms of Bressingham	yellow	H: 15 W: 19.5	2015

Rating June: 5 Comments: some lodging, probably from snow
Rating July: 3 Comments: lodging a lot
Rating Aug.: 2.8 Comments: plants very irregular, some chlorosis
Rating Sept.: 3.5 Comments: low vigor for achillea, some chlorosis

 # Planted: 18
% Survived: 83

Additional Comments: Uniform with good vigor through summer. Some lodging later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Agastache	Little Adder	Darwin Perennials	light purple	H: 23 W: 37	2015

Rating June: 2 Comments: irregular
Rating July: 2 Comments: healthy
Rating Aug.: 3.2 Comments: fungus, lodging
Rating Sept.: 2.5 Comments: looks like dying of root rot or fungus

 # Planted: 20
% Survived: 15

Additional Comments: One plant stands out, other two are average. Uniform later in season. Some stems lodged later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Alstroemeria	Inticancha® Indian Summer	HilverdaKooij	yellow, orange, and red	H: 30 W: 31.5	2015

Rating June: 2 Comments: irregular
Rating July: 4 Comments: small non-uniform plants
Rating Aug.: 4.3 Comments: very minor lodging, flowers bright
Rating Sept.: 5 Comments: healthy with vibrant flowers

 # Planted: 18
% Survived: 17

Additional Comments: Weak and low vigor in early summer. Uniform and vigorous later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Alstroemeria	Inticancha® Summer Breeze	HilverdaKooij	yellow, white, and orange	H: 26 W: 28.5	2015

Rating June: 2 Comments: irregular
Rating July: 4 Comments: small, non-uniform plants
Rating Aug.: 4.3 Comments: minor lodging, flowers impressively bright
Rating Sept.: 5 Comments: healthy and floriferous

 # Planted: 18
% Survived: 17

Additional Comments: Weak and low vigor in early summer. Uniform and vigorous later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Fygi	Bartels	pink	H: 4 W: 7	2015

Rating June: 3 Comments: sparse
Rating July: 3 Comments: healthy with vibrant blooms
Rating Aug.: 1.3 Comments: low vigor, leaf spot
Rating Sept.: 1.5 Comments: nearly dead

 # Planted: 6
% Survived: 17

Additional Comments: Some emerged sparse in spring. Low vigor and health through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Odessa Pierrot	Bartels	maroon and white	H: 7.5 W: 13.25	2015

Rating June: 5 Comments: dense, vigorous
Rating July: 3 Comments: healthy with vibrant blooms
Rating Aug.: 2.3 Comments: severe leaf spot, maybe losing one or two plants
Rating Sept.: 2 Comments: severe leaf spot

 # Planted: 6
% Survived: 83

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Sofia	Bartels	red and white	H: 6 W: 9	2015

Rating June: 3 Comments: irregular
Rating July: 3 Comments: low vigor
Rating Aug.: 1.8 Comments: leaves yellowing
Rating Sept.: 3 Comments: irregular with leaf spot

 # Planted: 6
% Survived: 50

Additional Comments: Emerged patchy in spring. Little vigor and bad health through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Kahori®	Bartels	dark pink	H: 6.5 W: 17.5	2015

Rating June: 5 Comments: dense, uniform, floriforous
Rating July: 3 Comments: uniform, one plant flowered and finished before rest of row
Rating Aug.: 3.5 Comments: dense mat of foliage, fairly even flower cover
Rating Sept.: 4 Comments: minor chlorosis, one plant not flowering because of insect nest underneath

 # Planted: 6
% Survived: 100

Additional Comments: Emerged dense, uniform, and floriforous. Uniform and compact with many flowers and very showy through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Odessa Easy Pink	Bartels	pink	H: 10 W: 22.5	2015

Rating June: 3 Comments: irregular
Rating July: 4 Comments: not uniform, but flowers are nice with good bright pink color
Rating Aug.: 2.7 Comments: irregular plants, branches dying off some
Rating Sept.: 3 Comments: irregular with leaf spot

 # Planted: 6
% Survived: 67

Additional Comments: Emerged patchy in spring. Vigorous with silver-blue foliage through summer.Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Odessa Pure	Bartels	white	H: 8.5 W: 12.75	2015

Rating June: 3 Comments: sparse
Rating July: 3 Comments: one plant dying, one looks healthy
Rating Aug.: 1.5 Comments: only one plant blooming
Rating Sept.: 3.5 Comments: leaf spot fungus

 # Planted: 6
% Survived: 33

Additional Comments: Emerged sparse with winter burn. Overall low vigor and health through summer. One plant managed to flower, the other remained weak.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Mooodz® Cosy	HilverdaKooij	light pink/purple	H: 19 W: 15.5	2015

Rating June: 1 Comments: low vigor
Rating July: 3 Comments: unhealthy, aster yellows
Rating Aug.: 1.3 Comments: aster yellows present
Rating Sept.: 2 Comments: severe aster yellows

 # Planted: 18
% Survived: 28

Additional Comments: Low vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Mooodz® Joy	HilverdaKooij	pink/orange	H: 24 W: 24	2015

Rating June: 1 Comments: sparse
Rating July: 3 Comments: plants not uniform, aster yellows on most
Rating Aug.: 3.2 Comments: irregular plants, aster yellows present
Rating Sept.: 2 Comments: severe leaf hopper damage and aster yellows

 # Planted: 18
% Survived: 56

Additional Comments: Emerged sparse in spring. Lacks vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Mooodz® In Love	HilverdaKooij	pink	H: 20 W: 22.5	2015

Rating June: 1 Comments: sparse
Rating July: 4 Comments: plants not uniform, aster yellows on most
Rating Aug.: 3.5 Comments: irregular plants, aster yellows present
Rating Sept.: 2 Comments: severe leaf hopper damage and aster yellows

 # Planted: 18
% Survived: 78

Additional Comments: Emerged sparse in spring. Variable uniformity through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Mooodz® Shiny	HilverdaKooij	light yellow	H: 0 W: 0	2015

Rating June: 1 Comments: budding
Rating July: 3 Comments: aster yellows,
Rating Aug.: 1.3 Comments: died since last data taken, probably aster yellows or fungus
Rating Sept.: 0 Comments: dead

 # Planted: 18
% Survived: 11

Additional Comments: Medium vigor in early summer. Lack of vigor over time.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Mooodz® Awake	HilverdaKooij	pink/purple	H: 14 W: 21	2015

Rating June: 2 Comments: only one vigorous plant
Rating July: 3 Comments: aster yellows, not all plants look like same variety
Rating Aug.: 2.2 Comments: aster yellows present
Rating Sept.: 2.5 Comments: plants sparse, aster yellows

 # Planted: 20
% Survived: 20

Additional Comments: One plant stands out, other two are average. Lack of vigor over time.

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*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Gaura	Grace™ Haze	Danziger	white	H: 38 W: 39	2015

Rating June: 1 Comments: sparse, still just poking up
Rating July: 3 Comments: one plant looks healthy of the 3
Rating Aug.: 3 Comments: spectaular blooms from one plant, others still small
Rating Sept.: 4 Comments: very floriferous with light airy appearance

 # Planted: 20
% Survived: 15

Additional Comments: Only one emerged in spring looking good. Variable uniformity and sporadic flowering through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Geranium oxonianum	Miss Heidi	Darwin Perennials	pink	H: 19 W: 32.5	2015

Rating June: 3 Comments: stood back up after snow
Rating July: 4 Comments: vigorous and floriferous
Rating Aug.: 3.7 Comments: flower stalks all lodged, leaves show symptoms of possible bacterial infection
Rating Sept.: 4 Comments: mostly lush, flower stalks all lodged

 # Planted: 12
% Survived: 92

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Geranium pratense	Summer Skies	Blooms of Bressingham	white	H: 15 W: 23.5	2015

Rating June: 4 Comments: dense, uniform
Rating July: 2 Comments: uniform, few flowers, but lovely dark foliage
Rating Aug.: 2.8 Comments: mildew starting
Rating Sept.: 3 Comments: severe mildew

 # Planted: 10
% Survived: 50

Additional Comments: Foliage compliments the flowers well in early summer. Few flowers later in the summer. Showed some powdery mildew later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Geum	Fire Storm	Terra Nova Nurseries	orange	H: 16.5 W: 25.5	2015

Rating June: 3 Comments: flower stalks lodged
Rating July: 3 Comments: mostly covered by miss heidi
Rating Aug.: 2.3 Comments: plants lush and dense where not competing with neighbor
Rating Sept.: 1.5 Comments: some chlorosis

 # Planted: 18
% Survived: 72

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heliopsis helianthoides	Double Sunstruck	Darwin Perennials	yellow	H: 22 W: 30.5	2015

Rating June: 3 Comments: low vigor, some reversion, just starting to bloom
Rating July: 4 Comments: some plants reverting to green leaf, some to single petal
Rating Aug.: 3.7 Comments: plants irregular, lots of reversion to green leaf or single petal or both
Rating Sept.: 3.5 Comments: lodging, low vigor

 # Planted: 18
% Survived: 50

Additional Comments: Emerged sparse in spring. Low vigor and some missing plants in early summer. Reversion of variegation and lack of uniformity later in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Helleborus	Winterbells®	HilverdaKooij	greenish white	H: 15 W: 22	2015

Rating June: 3 Comments: some aphids
Rating July: 3 Comments: flowers faded to pale green but still attractive
Rating Aug.: 3.3 Comments: flowers abundant but not particularly showy
Rating Sept.: 4 Comments: some aphids, mostly dense and healthy

 # Planted: 13
% Survived: 100

Additional Comments: Uniform and compact habit with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Helleborus 'H 0251'	Snow Crystal®	HilverdaKooij	white	H: 5 W: 10.75	2015

Rating June: 1 Comments: flowers fading, very little new foliage, some aphids
Rating July: 1 Comments: cut back after being sprayed for aphids, very sparse
Rating Aug.: 0.7 Comments: sparse, irregular
Rating Sept.: 0.5 Comments: sparse, lots of aphids

 # Planted: 24
% Survived: 54

Additional Comments: Weak and low vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heuchera	Black Taffeta	Terra Nova Nurseries	pale pink	H: 6 W: 15.5	2015

Rating June: 1 Comments: sparse, irregular
Rating July: 2 Comments: plants not uniform, some very sparse
Rating Aug.: 1.2 Comments: irregular plants
Rating Sept.: 1 Comments: mildew starting on leaves

 # Planted: 20
% Survived: 95

Additional Comments: Lacks vigor in early summer. Lacked vigor through season. Showed some powdery mildew later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heuchera	Glitter	Terra Nova Nurseries	dark pink	H: 15 W: 16	2015

Rating June: 3 Comments: low vigor
Rating July: 3 Comments: low vigot
Rating Aug.: 2.3 Comments: low vigor, but otherwise nice foliage and flower color
Rating Sept.: 2.5 Comments: low vigor, mostly done flowering

 # Planted: 20
% Survived: 25

Additional Comments: Lacks vigor in early summer. Lacked vigor through season. Few flowers late in season

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heuchera sanguinea	Frosty Morn	Darwin Perennials	bright pink	H: 16 W: 14.5	2015

Rating June: 3 Comments: some sparsevplants
Rating July: 4 Comments: a few sparse plants, but great white varigated foliage with bright pink flowers
Rating Aug.: 2.8 Comments: compact, mounds with glowing nearly white foliage, a few bright flowers
Rating Sept.: 4.5 Comments: compact with bright foliage

 # Planted: 21
% Survived: 62

Additional Comments: Lacks vigor in early summer. Uniform habit later in season. Few floers later in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heuchera villosa hybrid	Carnival Candy Apple	Darwin Perennials	pale pink	H: 14.5 W: 17.5	2015

Rating June: 3 Comments: rich leaf color
Rating July: 3 Comments: uniform with good color variation from green to red
Rating Aug.: 2.7 Comments: foliage ranges from red to green with a few pale flowers left
Rating Sept.: 4.5 Comments: uniform with nice red leaf color

 # Planted: 18
% Survived: 67

Additional Comments: Foliage compliments the flowers well through summer. Few flowers later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heuchera villosa hybrid	Carnival Black Olive	Darwin Perennials	pale pink	H: 22 W: 19.5	2015

Rating June: 2 Comments: dense
Rating July: 3 Comments: a couple small plants in row
Rating Aug.: 4.2 Comments: prolific blooms, but not very showy, foliage shows slug damage
Rating Sept.: 4.5 Comments: healthy and mostly uniform

 # Planted: 20
% Survived: 60

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Hosta	Shadowland™ Coast to Coast	Walter's Gardens/Proven Winners	white/pale lavender	H: 15 W: 23	2015

Rating June: 5 Comments: dense, bright foliage
Rating July: 4 Comments: healthy and vigorous with bright lime colored foliage
Rating Aug.: 2.2 Comments: a few leaves burned on edges
Rating Sept.: 1 Comments: leaves starting to burn on edges

 # Planted: 18
% Survived: 67

Additional Comments: Vigorous and uniform through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Kniphofia	Papaya Popsicle™	Terra Nova Nurseries	orange and yellow	H: 30 W: 42	2015

Rating June: 2 Comments: irregular
Rating July: 4 Comments: healthy, but not uniform
Rating Aug.: 4.7 Comments: second round of flowers is shorter than first, hidden by fading stalks
Rating Sept.: 3 Comments: plants healthy but severely lodged

 # Planted: 20
% Survived: 100

Additional Comments: Some emerged sparse in spring. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lavandula	PHENOMENAL™	Cultivaris	lavender	H: 29 W: 41.5	2015

Rating June: 2 Comments: a bit of winter dieback, starting to bud
Rating July: 3 Comments: tall graceful flower stems just starting to bloom
Rating Aug.: 4 Comments: minor leaf spot, full plants, flower stalks lodging
Rating Sept.: 4 Comments: older flower stalks lodged, new are upright, foliage has some leaf spot but all new growth looks healthy

 # Planted: 20
% Survived: 100

Additional Comments: Severe winter dieback. Heavily budded in early summer. Stems often lodged in summer. Uniform habit and good vigor later in the season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lavandula	Platinum Blonde™	Cultivaris	pale lavender	H: 22 W: 21.25	2015

Rating June: 1 Comments: patchy, most stems died over winter
Rating July: 3 Comments: plants not uniform
Rating Aug.: 3.2 Comments: some leaf spot, lower leaves dying
Rating Sept.: 3.5 Comments: plants not uniform, some minor leaf spot, new growth looks healthy

 # Planted: 18
% Survived: 61

Additional Comments: Severe winter dieback. Dieback was cleaned up with some recovery but moslty low vigor for the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lychnis flos-cuculi	Petite Jenny	Blooms of Bressingham	light pink	H: 7 W: 17	2015

Rating June: 3 Comments: floriforous, foliage doesn't look very healthy
Rating July: 4 Comments: plants not uniform, some foliage burn
Rating Aug.: 2.3 Comments: leaf spot and insect damage on leaves, flower stalks all lodged
Rating Sept.: 1.5 Comments: some bronzing and insect damage

 # Planted: 18
% Survived: 61

Additional Comments: Lodging stems unable to support flowers through summer. Uniform with good vigor. Few flowers later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Leading Lady Lilac	Walters Gardens/ Proven Winners	lavender	H: 19 W: 21.5	2015

Rating June: 3 Comments: dense, healthy
Rating July: 4 Comments: upright, floriferous, no mildew yet
Rating Aug.: 1.7 Comments: some purpling of leaves, new growth healthy
Rating Sept.: 1.5 Comments: older foliage bronzing, new looks healthy

 # Planted: 5
% Survived: 100

Additional Comments: Very uniform and vigorous through summer. Bloomed heavily. Showed some sunburn later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Balmy™ Rose	Darwin Perennials	fuchsia	H: 17.5 W: 25.5	2015

Rating June: 2 Comments: non uniform
Rating July: 4 Comments: healthy and floriferous, a few lodged stems
Rating Aug.: 0.8 Comments: severe powdery mildew
Rating Sept.: 1 Comments: mildew, new growth healthy

 # Planted: 26
% Survived: 12

Additional Comments: Emerged cholorotic and patchy. Good green foliage and uniform habit through summer. Very floriferous at peak bloom. Heavy powdery mildew later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Balmy™ Pink	Darwin Perennials	pink	H: 19 W: 24.5	2015

Rating June: 2 Comments: some insect damage
Rating July: 4 Comments: healthy and floriferous
Rating Aug.: 0.8 Comments: severe powdery mildew
Rating Sept.: 2.5 Comments: mildew, new growth healthy

 # Planted: 8
% Survived: 88

Additional Comments: Emerged cholorotic and patchy. Good green foliage and uniform habit through summer. Very floriferous at peak bloom. Heavy powdery mildew later in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Balmy™ Lilac	Darwin Perennials	purple	H: 18 W: 24.5	2015

Rating June: 2 Comments: non uniform
Rating July: 4 Comments: healthy and floriferous
Rating Aug.: 0.8 Comments: severe powdery mildew
Rating Sept.: 1 Comments: mildew, new growth healthy

 # Planted: 10
% Survived: 90

Additional Comments: Emerged cholorotic and patchy. Good green foliage and uniform habit through summer. Very floriferous at peak bloom. Heavy powdery mildew later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monardella macrantha 'Marian	Hummingbird Trumpet Mint	Plant Select®	red	H: 4 W: 7.5	2015

Rating June: 1 Comments: sparse, chlorotic
Rating July: 2 Comments: chlorotic and sickly
Rating Aug.: 1.5 Comments: dense mat of foliage
Rating Sept.: 0.5 Comments: looksnearly dead

 # Planted: 18
% Survived: 22

Additional Comments: Emerged very sparse with some chlorosis. Chlorotic and barely alive in early summer. Poor vigor and chlorotic foliage through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Nepeta	Aroma Violet	Danziger	purple	H: 22 W: 38	2015

Rating June: 4 Comments: open in center from snow, in full bloom
Rating July: 3 Comments: cut back all lodged stems from may snow, plants compact, with minor chlorosis
Rating Aug.: 3.3 Comments: lots of chlorosis
Rating Sept.: 3 Comments: severely chlorotic

 # Planted: 12
% Survived: 100

Additional Comments: Started to flower very early. Uniform in habit and lodging in early summer. Compact after cutting back. Chlorotic foliage with some lodging again in the late summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Nepeta	Purple Haze	Terra Nova Nurseries	light purple	H: 17 W: 43	2015

Rating June: 5 Comments: slightly open from snow, full bloom
Rating July: 2 Comments: older foliage chlorotic with leaf spot
Rating Aug.: 3 Comments: aggressive, lots of flowers, color not that showy
Rating Sept.: 4.5 Comments: aggressive, flowers have marginal impact

 # Planted: 22
% Survived: 86

Additional Comments: Some emerged sparse in spring. Uniform and compact with good vigor with some lodging in early summer. Chlorosis and non-uniform later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Panicum virgatum	Hot Rod	Eason Horticulture Resources		H: 50 W: 24	2015

Rating June: 2 Comments: healthy, irregular
Rating July: 3 Comments: healthy but not uniform, some reddish foliage color
Rating Aug.: 3.3 Comments: fairly uniform, good purple leaf color
Rating Sept.: 4 Comments: plumes not very impressive, but foliage color is turning dark reddish purple

 # Planted: 27
% Survived: 78

Additional Comments: Foliage green with some red tint.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Panicum virgatum	Cape Breeze	North Creek Nurseries	khaki	H: 41 W: 49	2015

Rating June: 3 Comments: healthy
Rating July: 5 Comments: vigorous, lush
Rating Aug.: 3.3 Comments: healthy but severely lodged
Rating Sept.: 3.5 Comments: severe lodging

 # Planted: 24
% Survived: 88

Additional Comments: Uniform with good vigor through summer. Some lodging later in season. Bloomed heavily.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Penstemon 'Novapename'	Amethyst Quartz™	Star Roses and Plants/ The Conard-Pyle Co.	light purple with white throat	H: 22 W: 25	2015

Rating June: 1 Comments: sparse
Rating July: 5 Comments: plants not uniform
Rating Aug.: 3.8 Comments: irregular plants, but healthy
Rating Sept.: 4 Comments: healthy and uniform, blooms held erect

 # Planted: 21
% Survived: 33

Additional Comments: Emerged very sparse in spring. Lacked vigor in early summer. Large flowers on strong stems with uniform and vigorous habit later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Penstemon 'Novapenbel'	Little Bells™	Star Roses and Plants/ The Conard-Pyle Co.	purple	H: 9 W: 10.5	2015

Rating June: 3 Comments: irregular
Rating July: 4 Comments: plants showing signs of leaf spot fungus from last year
Rating Aug.: 2.8 Comments: severe leaf spot, new growth looks healthy
Rating Sept.: 3 Comments: some leaf spot fungus

 # Planted: 21
% Survived: 57

Additional Comments: Emerged patchy in spring. Uniform habit with some stems lodging through summer. Leaf spot developed late in the summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Penstemon 'Novapenpin'	Pink Rock Candy™	Star Roses and Plants/ The Conard-Pyle Co.	pink	H: 13 W: 26	2015

Rating June: 5 Comments: plants vigorous, starting to bloom
Rating July: 3 Comments: all flower stalks lodged
Rating Aug.: 2.2 Comments: some fungus, second round of blooms is pretty heavy
Rating Sept.: 3.5 Comments: plants irregular with some chlorosis, late season flower cover is very good

 # Planted: 16
% Survived: 100

Additional Comments: Some emerged sparse in spring. Uniform and compact with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Penstemon 'Novapenpur'	Purple Rock Candy™	Star Roses and Plants/ The Conard-Pyle Co.	dark purple	H: 14 W: 15.5	2015

Rating June: 4 Comments: non uniform, blooms bright and upright
Rating July: 3 Comments: most of row done flowering
Rating Aug.: 2.5 Comments: a few plants reblooming well
Rating Sept.: 3 Comments: some leaf spot, flowers sporadic

 # Planted: 14
% Survived: 93

Additional Comments: Emerged patchy with leaf spot. Variable vigor and habit through summer.

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*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Penstemon 'Novapenros'	Rose Quartz™	Star Roses and Plants/ The Conard-Pyle Co.	light pink with white throat	H: 22 W: 21.5	2015

Rating June: 2 Comments: irregular
Rating July: 3 Comments: plants not uniform, great flower color
Rating Aug.: 3.3 Comments: healthy, with luminous blooms
Rating Sept.: 4.5 Comments: plants irregular, flowers vibrant

 # Planted: 20
% Survived: 20

Additional Comments: Emerged very sparse in spring. Varied from vigorous to weak through summer.

Penstemon x 'Coral Baby'	Coral Baby	Plant Select®	dark coral	H: 18 W: 23.5	2015

Rating June: 5 Comments: some chlorosis
Rating July: 3 Comments: flowers starting to fade
Rating Aug.: 3 Comments: some leaf spot, reblooming since deadheaded
Rating Sept.: 3.5 Comments: foliage somewhat dull with minor leaf spot, good secondary bloom

 # Planted: 21
% Survived: 91

Additional Comments: Emerged very sparse in spring. Uniform with good vigor through summer.

Penstemon x mexicali	Carolyn's Hope	Plant Select®	light pink	H: 17 W: 22	2015

Rating June: 2 Comments: sparse
Rating July: 4 Comments: plants healthy but not uniform, few flowers
Rating Aug.: 3.3 Comments: irregular, but foliage looks healthy
Rating Sept.: 4 Comments: healthy and lush

 # Planted: 21
% Survived: 57

Additional Comments: Emerged sparse with some chlorosis. Variable vigor and uniformity through summer.

Perovskia 'Novaperlac'	Little Lace™	Star Roses and Plants/ The Conard-Pyle Co.	lavender	H: 52 W: 47.5	2015

Rating June: 3 Comments: mostly uniform
Rating July: 4 Comments: vigorous and uniform
Rating Aug.: 4.5 Comments: upright, uniform, still maintaining good flower color
Rating Sept.: 3.5 Comments: compact and upright, mostly done flowering

 # Planted: 18
% Survived: 100

Additional Comments: Very uniform and vigorous through summer.

Phlox	Spring Purple®	Bartels	purple	H: 7 W: 24	2015

Rating June: 3 Comments: some winter burn
Rating July: 2 Comments: some foliage burn
Rating Aug.: 1.8 Comments: a few stray blooms
Rating Sept.: 2.5 Comments: a couple brown areas

 # Planted: 6
% Survived: 100

Additional Comments: Emerged with some winter burn. Uniform with good vigor through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Spring Dark Pink®	Bartels	dark pink	H: 8 W: 25	2015

Rating June: 2 Comments: some winter burn
Rating July: 2 Comments: thick mat of foliage
Rating Aug.: 2 Comments: dense lush mat
Rating Sept.: 2.5 Comments: lush and filled in

 # Planted: 6
% Survived: 100

Additional Comments: Emerged with some winter burn. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Spring Light Pink®	Bartels	pink	H: 8 W: 28.5	2015

Rating June: 2 Comments: some winter burn
Rating July: 2 Comments: thick mat of foliage
Rating Aug.: 2 Comments: dense lush mat
Rating Sept.: 1.5 Comments: lush and filled in

 # Planted: 6
% Survived: 100

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Spring Blue®	Bartels	pale blue	H: 7 W: 27	2015

Rating June: 1 Comments: large dead areas
Rating July: 2 Comments: large necrotic patches
Rating Aug.: 1.2 Comments: some dead areas, lower vigor
Rating Sept.: 2.5 Comments: many sparse areas of dieback

 # Planted: 6
% Survived: 100

Additional Comments: Emerged with some winter burn. Plants dying in center in early summer. Lacked vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Spring Lavender®	Bartels	lavender	H: 12 W: 29.5	2015

Rating June: 3 Comments: some winter burn
Rating July: 2 Comments: healthy, green foliage
Rating Aug.: 2 Comments: a few stray flowers
Rating Sept.: 2 Comments: a few sparse areas

 # Planted: 6
% Survived: 100

Additional Comments: Emerged with some winter burn. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Spring White®	Bartels	white	H: 6 W: 29	2015

Rating June: 3 Comments: some winter burn
Rating July: 2 Comments: thick mat of foliage
Rating Aug.: 1.8 Comments: some dead foliage
Rating Sept.: 2 Comments: lush and filled in

 # Planted: 6
% Survived: 100

Additional Comments: Emerged with some winter burn. Uniform with good vigor through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox paniculata	Flame® Blue	Bartels	pale blue	H: 33 W: 33	2015

Rating June: 2 Comments: vigorous but lodged after snow
Rating July: 5 Comments: upright and floriferous
Rating Aug.: 3.7 Comments: very little mildew, blooms faded to white with heat, no lodging
Rating Sept.: 2.5 Comments: minor mildew, no lodging, still floriferous

 # Planted: 6
% Survived: 100

Additional Comments: Emerged very vigorously in spring. Uniform with good vigor through summer. Bloomed heavily. No mildew in August.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox paniculata	Early Light Pink®	Bartels	light pink	H: 23 W: 23	2015

Rating June: 4 Comments: lodging and chlorosis
Rating July: 3 Comments: chlorotic, lodged and morphing to dark pink
Rating Aug.: 2.8 Comments: severe mildew
Rating Sept.: 2.5 Comments: severe mildew, lodging

 # Planted: 6
% Survived: 100

Additional Comments: Emerged with some chlorosis. Non-uniform in early summer. Flowers non-uniform and sporadic. Did not compete with other plants, showed mildew in late summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox paniculata	Early Pink Dark Eye®	Bartels	pink with dark eye	H: 33 W: 26.5	2015

Rating June: 3 Comments: vigorous
Rating July: 5 Comments: upright and floriferous, minor chlorosis
Rating Aug.: 4.3 Comments: moderate mildew, little lodging
Rating Sept.: 2.5 Comments: minor mildew, no lodging

 # Planted: 6
% Survived: 100

Additional Comments: Emerged looking good in spring. Uniform with good vigor through summer. Showed mildew in late summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox paniculata	Early White®	Bartels	white with pink eye	H: 28 W: 20.5	2015

Rating June: 3 Comments: some chlorosis
Rating July: 4 Comments: chlorotic,
Rating Aug.: 2.3 Comments: severe mildew
Rating Sept.: 2.5 Comments: severe mildew

 # Planted: 6
% Survived: 100

Additional Comments: Early flowers in early summer. Non-uniform habit and flowering. Showed mildew later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox paniculata	Early Purple®	Bartels	purple	H: 24 W: 20	2015

Rating June: 4 Comments: healthy
Rating July: 4 Comments: front plant not blooming, others look great
Rating Aug.: 3.2 Comments: moderate mildew
Rating Sept.: 2.5 Comments: moderate mildew, no lodging

 # Planted: 6
% Survived: 100

Additional Comments: Uniform and compact habit with good vigor through summer. Few flowers late in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Polemonium reptans	Jacobs Gold	Blooms of Bressingham	pale blue	H: 17 W: 23.5	2015

Rating June: 2 Comments: past bloom and somewhat lodging but uniform
Rating July: 2 Comments: deadheaded last week, foliage showing some stippling maybe from insect or mite dmg
Rating Aug.: 2.2 Comments: very uniform, soft foliage texture
Rating Sept.: 2 Comments: extremely uniform mounds with delicate variegation

 # Planted: 18
% Survived: 94

Additional Comments: Emerged with some chlorosis. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Salute Iceblue®	Bartels	light blue	H: 16 W: 28.5	2015

Rating June: 4 Comments: open in center a little
Rating July: 3 Comments: lodging from May snow
Rating Aug.: 2.3 Comments: some chlorosis, lodging
Rating Sept.: 1.5 Comments: chlorotic and lodging

 # Planted: 6
% Survived: 67

Additional Comments: Uniform habit with good vigor with some lodging through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Salute Pink®	Bartels	pink	H: 18 W: 37.5	2015

Rating June: 4 Comments: minor lodging from snow
Rating July: 3 Comments: lodging from May snow
Rating Aug.: 2.5 Comments: lodging
Rating Sept.: 2.5 Comments: chlorotic and lodging

 # Planted: 6
% Survived: 100

Additional Comments: Uniform habit with good vigor with some lodging through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Salute Deep Blue®	Bartels	dark purple	H: 19 W: 28.5	2015

Rating June: 3 Comments: very open in center from snow
Rating July: 3 Comments: cut back all lodged stems from May snow, plants showing signs of mildew
Rating Aug.: 2 Comments: powdery mildew and insect damage
Rating Sept.: 2.5 Comments: mildew, chlorosis

 # Planted: 6
% Survived: 83

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia nemorosa	Lyrical™ White	Darwin Perennials	white	H: 16 W: 25.5	2015

Rating June: 4 Comments: open in center from snow
Rating July: 3 Comments: lodged after snow storm, but filled in open centers already
Rating Aug.: 2.8 Comments: healthy since being cut back
Rating Sept.: 3.5 Comments: some chlorosis

 # Planted: 10
% Survived: 100

Additional Comments: Some emerged sparse in spring. Good color but considerable lodging through summer. Weak and non-uniform for the majority of the season.

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*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia nemorosa	Color Spires® Pink Dawn	Walters Gardens/ Proven Winners	pink	H: 24 W: 42	2015

Rating June:	3	Comments:	lodging
Rating July:	4	Comments:	cut back plants after snow, one looks like it has a virus
Rating Aug.:	2.5	Comments:	vigorous since being cut back
Rating Sept.:	4	Comments:	vigorous and floriferous since cutting back

 # Planted: 6
% Survived: 100

Additional Comments: Some emerged sparse in spring. Uniform habit through summer. Bloomed heavily and had good vigor.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia nemorosa	Color Spires® Violet Riot	Walters Gardens/ Proven Winners	violet	H: 19 W: 29.5	2015

Rating June:	5	Comments:	filled out well with some lodging
Rating July:	3	Comments:	lodging from May snow
Rating Aug.:	2.3	Comments:	some chlorosis
Rating Sept.:	3.5	Comments:	some chlorosis

 # Planted: 12
% Survived: 83

Additional Comments: Some emerged sparse in spring. Uniform with good vigor in early summer. Lacked vigor and uniformity later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Teucrium	Tickle™ Pink	Danziger	pink	H: 10 W: 35.5	2015

Rating June:	3	Comments:	dense carpet
Rating July:	4	Comments:	lush and vigorous
Rating Aug.:	3.3	Comments:	some foliage melted out after rainy period, new growth underneath looks healthy
Rating Sept.:	2.5	Comments:	a few dead spots, new growth healthy

 # Planted: 20
% Survived: 100

Additional Comments: Uniform with good vigor through summer. Parts of plants died later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Veronica	Ronica™ Dark Pink	Danziger	dark pink	H: 19 W: 25.5	2015

Rating June:	5	Comments:	dense
Rating July:	4	Comments:	mostly uniform with lush foliage
Rating Aug.:	3.8	Comments:	uniform, reblooming well after deadheading, mild mildew
Rating Sept.:	3.5	Comments:	mildew, new growth healthy

 # Planted: 21
% Survived: 100

Additional Comments: Uniform with good green foliage through summer. Showed some powdery mildew later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Veronica 'Novaverblu'	Dark Blue Moody Blues™	Star Roses and Plants/ The Conard-Pyle Co.	dark blue	H: 14 W: 18.5	2015

Rating June:	3	Comments:	irregular
Rating July:	4	Comments:	small, but floriferous
Rating Aug.:	3.8	Comments:	uniform and floriferous
Rating Sept.:	3	Comments:	no mildew, mostly done flowering

 # Planted: 22
% Survived: 91

Additional Comments: Uniform with average vigor through summer. Bloomed heavily.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

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Class of 2015 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Veronica 'Novavermau'	Mauve Moody Blues™	Star Roses and Plants/ The Conard-Pyle Co.	mauve	H: 17 W: 21	2015

Rating June: 4 Comments: mostly uniform
Rating July: 4 Comments: uniform and floriferous
Rating Aug.: 3.7 Comments: no mildew, very floriferous
Rating Sept.: 4.5 Comments: uniform and floriferous

 # Planted: 17
% Survived: 100

Additional Comments: Uniform with average vigor through summer. Bloomed heavily.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Veronica 'Novaverpin'	Pink Moody Blues™	Star Roses and Plants/ The Conard-Pyle Co.	light pink	H: 17 W: 18	2015

Rating June: 2 Comments: just coming into bloom, a few smaller plants
Rating July: 4 Comments: minor lodging from snow
Rating Aug.: 3.3 Comments: plants that were cut back are putting on vigorous new growth, starting to flower
Rating Sept.: 3 Comments: lush and vigorous where cut back, some mildew where not cut back

 # Planted: 23
% Survived: 91

Additional Comments: Uniform with average vigor through summer. Bloomed heavily. Some stems lodged later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Veronica 'Novaversky'	Sky Blue Moody Blues™	Star Roses and Plants/ The Conard-Pyle Co.	light blue	H: 18 W: 22.75	2015

Rating June: 3 Comments: vigorous, budding
Rating July: 4 Comments: some minor lodging from may snow
Rating Aug.: 3.7 Comments: insect damage, maybe some fungus
Rating Sept.: 3 Comments: some fungus

 # Planted: 20
% Survived: 95

Additional Comments: One emerged very sparse in spring. Vigorous and uniform with many buds through summer. Some lodging later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Veronica 'Novaverwhi'	White Moody Blues™	Star Roses and Plants/ The Conard-Pyle Co.	white	H: 15 W: 18.75	2015

Rating June: 5 Comments: budding
Rating July: 4 Comments: mostly uniform
Rating Aug.: 3.3 Comments: reblooming since deadheading
Rating Sept.: 2.5 Comments: new growth a bit chlorotic

 # Planted: 20
% Survived: 100

Additional Comments: Some emerged sparse in spring. Compact and uniform with good vigor through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of: 2015

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Achillea	Little Moonshine	P	3	4	3	2.5	2.5	2	2.5	2.5	3	2.8
		F	3	4.5	4	3.5	2.5	3	3	3	2	3.2
Agastache	Little Adder	P	3	3.5	3	3.5	3	4	2	2	2	2.9
		F	0	0	0	0.5	2	3	2	2	3	1.4
Alstroemeria	Inticancha® Indian Summer	P	2	3	2	3	3	4	3	4	4	3.1
		F	0	1	2	4	3	4	4	3.5	4	2.8
Alstroemeria	Inticancha® Summer Breeze	P	2	3	2	3	3	3	3	3	4	2.9
		F	0	1	2	4	3	4	4	4	5	3
Dianthus	Sunflor Fygi	P	1	2	2	3	2	2	1	1	1	1.7
		F	2	4	1	3	1	0	0	1	0	1.3
Dianthus	Odessa Pierrot	P	4	4	4	3.5	3	3	2	2.5	2	3.1
		F	5	3	3	3	2	1	1	1	2	2.3
Dianthus	Sunflor Sofia	P	2	4	3	2.5	3	3	2	2	2	2.6
		F	2	3	3	2.5	2	1	1	1	2	1.9
Dianthus	Kahori®	P	5	5	4	5	4.5	5	4	4	3	4.4
		F	5	4	3	3	2.5	3	3	4	3	3.4
Dianthus	Odessa Easy Pink	P	3	3.5	3	3	3	3	2.5	2	2.5	2.8
		F	3	2	2.5	4	2	3	2	2	2	2.5
Dianthus	Odessa Pure	P	2	2	2	3	2	2	3	2	3	2.3
		F	2	2	1	2	1	3	2	2.5	1	1.8
Echinacea	Mooodz® Cosy	P	2	2	1	3	2	3	2	2	2	2.1
		F	0	1	2	4	3	3	2	1	1	1.9
Echinacea	Mooodz® Joy	P	2	1.5	3	2.5	2	3	2	2	2	2.2
		F	0	0	2	4	4	4	3	2	1	2.2
Echinacea	Mooodz® In Love	P	2	2	2	2.5	2	2	2	2	2	2.1
		F	0	1	3	4	4	3	3	3	3	2.7
Echinacea	Mooodz® Shiny	P	3	3	2	3	2	0.5	0	0	0	1.5
		F	1	1	3	3	3	0	0	0	0	1.2
Echinacea	Mooodz® Awake	P	3	3	2	2.5	2	2	2	2	2	2.3
		F	0	1	3	4	3	4	2.5	2	1	2.3

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Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Gaura	Grace™ Haze	P	1	2	2.5	2	3	5	3	3	3	2.7
		F	0	0	0	1	3	5	5	5	5	2.7
Geranium oxonianum	Miss Heidi	P	4	5	4	4	3	5	2.5	3	4	3.8
		F	3	5	4	4	3	2	2	1	1	2.8
Geranium pratense	Summer Skies	P	4	4.5	3	5	3.5	4	2.5	2	1	3.3
		F	0	3	3	0	1	1	1	1	0	1.1
Geum	Fire Storm	P	3	3.5	3	4	3	3	3	2.5	3	3.1
		F	2	1.5	0	0.5	0	0	0	0	0	0.4
Heliopsis helianthoides	Double Sunstruck	P	2	3.5	3	3.5	3	3	2.5	2	2	2.7
		F	1	3.5	3	4.5	4	5	3	3	2	3.2
Helleborus	Winterbells®	P	3	4	2.5	4	3.5	5	3.5	4	4	3.7
		F	4	4	3	2	1	4	2.5	3	3	2.9
Helleborus 'H 0251'	Snow Crystal®	P	2	2	1	1.5	2	2	1	2	1	1.6
		F	2	1	0	0	0	0	0	0	0	0.3
Heuchera	Black Taffeta	P	2	2	2	3	2.5	3	2.5	2	2	2.3
		F	0	0	1	2	0	0	0	0	0	0.3
Heuchera	Glitter	P	2	3	2.5	3	2.5	3	3	3	3	2.8
		F	0	1	1	0	2.5	3	2	1	0	1.2
Heuchera sanguinea	Frosty Morn	P	3	3.5	3	4.5	3	4	3.5	3.5	3.5	3.5
		F	2	4	3	5	2	2	1.5	1	1	2.4
Heuchera villosa hybrid	Carnival Candy Apple	P	3	4	3	3	3.5	4	4	4	4	3.6
		F	1	2	1	2	2	2	1.5	1	1	1.5
Heuchera villosa hybrid	Carnival Black Olive	P	3	4	3	4	3.5	3.5	3.5	3.5	3	3.4
		F	0	1	2	4	3	4	3	3	3	2.6
Hosta	Shadowland™ Coast to Coast	P	4	4	4	2	3	3	3	2.5	2	3.1
		F	1	2	2	0	0	0	0	0	0	0.6
Kniphofia	Papaya Popsicle™	P	3	3	3	3	3	5	3	2.5	2.5	3.1
		F	0	0	0	1	3.5	5	2	2.5	2.5	1.8
Lavandula	PHENOMENAL™	P	2	3	4	5	4	4	3.5	3.5	4	3.7
		F	0	0.5	2	4	4	4	4	3.5	3	2.8

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Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Lavandula	Platinum Blonde™	P	1	2	2.5	2	2	3	3	3	3	2.4
		F	0	0	0	0.5	2	3	2	1	2	1.2
Lychnis flos-cuculi	Petite Jenny	P	3	2	2	3	2.5	3	2.5	2.5	2.5	2.6
		F	5	2.5	3	3	1	1	1	0	0	1.8
Monarda	Leading Lady Lilac	P	4	4.5	4	4	3	3	3	3	3	3.5
		F	0	2	5	4	0	0	0	0	0	1.2
Monarda	Balmy™ Rose	P	3	3.5	3	4.5	2	1	2	2.5	3	2.7
		F	0	0	4	5	1	0	0.5	1	1	1.4
Monarda	Balmy™ Pink	P	3	3.5	4	4	2	2	2	2.5	3	2.9
		F	0	0	4	5	1	1	1	1	0	1.4
Monarda	Balmy™ Lilac	P	3	3	3	4	2	2	2	2.5	3	2.7
		F	0	0	4	5	0	1	0.5	1	1	1.4
Monardella macrantha 'Marian Sampson'	Hummingbird Trumpet Mint	P	1	2	2	2	1	1	1	1	1	1.3
		F	1	3.5	1	1	1	1	1	0	0	1.1
Nepeta	Aroma Violet	P	2.5	3.5	3	4	3	3	2.5	3	2.5	3
		F	5	3.5	2	2	3	4	3	3.5	3	3.2
Nepeta	Purple Haze	P	4	3.5	2	2.5	3	4	3	3	4	3.2
		F	5	4	4	0	1	1	2	3	5	2.8
Panicum virgatum	Hot Rod	P	3	3.5	3	3	3	3	3	4	4	3.3
		F	0	0	0	1	3	5	2	2	2	1.7
Panicum virgatum	Cape Breeze	P	3	4	4	3.5	3	3	2.5	3	2.5	3.2
		F	0	0	0	5	3	5	2	3	2	2.2
Penstemon 'Novapename'	Amethyst Quartz™	P	2	3.5	3	3.5	3	4	3	3.5	3.5	3.2
		F	0	2	3	4	3	4	2	3	2.5	2.6
Penstemon 'Novapenbel'	Little Bells™	P	2.5	3	2	3.5	2.5	2.5	2	2	2	2.4
		F	2	4	3	4.5	3.5	2	2	0	1	2.4
Penstemon 'Novapenpin'	Pink Rock Candy™	P	4	4	3.5	3	2.5	3	3	2.5	3	3.2
		F	2	4	3	1	1	2	2.5	2.5	2	2.2
Penstemon 'Novapenpur'	Purple Rock Candy™	P	3	2.5	3	2	2.5	3	2.5	2.5	3	2.7
		F	4	4	2	2	2.5	4	2	2	2	2.7

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Class of: 2015

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Penstemon 'Novapenros'	Rose Quartz™	P	2.5	3	3	3	3	3	3	3	3	2.9
		F	0	1.5	3	3	3	3	2.5	2	3	2.3
Penstemon x 'Coral Baby'	Coral Baby	P	3	4	3	3.5	2.5	3	2.5	2.5	2	2.9
		F	2	4.5	3	2	2	3	2	3	3	2.7
Penstemon x mexicali	Carolyn's Hope	P	2	2.5	3	4	3	4	3	3.5	3.5	3.2
		F	0	0	2	4	2.5	2	1	1.5	2	1.7
Perovskia 'Novaperlac'	Little Lace™	P	3	3.5	4	4	4	4	5	5	5	4.2
		F	0	0	0	2	5	5	4	2	4	2.4
Phlox	Spring Purple®	P	4	4	3	3	3.5	4	3	3	3	3.4
		F	0	0	0	0	0	0	1	1	0	0.2
Phlox	Spring Dark Pink®	P	4	4	3	4	4	5	4	4	4	4
		F	0	0	0	0	0	0	0	1	0	0.1
Phlox	Spring Light Pink®	P	4	4	3	3	3	5	3	4	4	3.7
		F	1	0	0	0	0	0	0	0	0	0.1
Phlox	Spring Blue®	P	2	2	2	2	2.5	3	2.5	2.5	2.5	2.3
		F	0	0	0	0	0	0	1	1	1	0.3
Phlox	Spring Lavender®	P	5	5	5	3	4.5	5	3	3.5	4	4.2
		F	0	0	0	0	0	0	0	0	0	0
Phlox	Spring White®	P	4	5	4	4	4	5	4	5	4	4.3
		F	0	0	0	0	0	0	0	0	0	0
Phlox paniculata	Flame® Blue	P	4	4	4	4	3	4	3.5	3.5	3	3.7
		F	0	0	3	5	4	4	2.5	3	2	2.6
Phlox paniculata	Early Light Pink®	P	3	3.5	2.5	3	2.5	3	2	2	2	2.6
		F	2	3.5	4	3	4	3	2	1	1	2.6
Phlox paniculata	Early Pink Dark Eye®	P	4	4.5	3	4	4	4	3	3	2.5	3.6
		F	0	0.5	4	5	5	5	2	1	1	2.6
Phlox paniculata	Early White®	P	2	4	2.5	2.5	3	3	2	2	2	2.6
		F	2	4	3	3	4	2	1	1	1	2.3
Phlox paniculata	Early Purple®	P	4	4	3	4	4	3	3	2.5	3	3.4
		F	1	2.5	3.5	3.5	4	3	2	2.5	3	2.8

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Class of: 2015

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Polemonium reptans	Jacobs Gold	P	3	4	3	4	3	5	5	4.5	4	3.9
		F	1	0	0	0	0	0	0	0	0	0.1
Salvia	Salute Iceblue®	P	3.5	4	3	3	2.5	4	2.5	2	2	2.9
		F	4	4.5	2.5	4	2	2	2	2	2	2.8
Salvia	Salute Pink®	P	4	4	3	3	2	3	3	2.5	2	2.9
		F	4	4.5	3	3	1	2	1	1	0	2.2
Salvia	Salute Deep Blue®	P	2.5	3.5	2	3	2	3	2	2	1.5	2.4
		F	4	3.5	3	2	1	1	2	2	1	2.2
Salvia nemorosa	Lyrical™ White	P	3	3	3	3.5	2	1	3	3	3	2.7
		F	4	5	5	5	3	0	0	1	1	2.7
Salvia nemorosa	Color Spires® Pink Dawn	P	3	3.5	2	3.5	2.5	4	3.5	3.5	2	3.1
		F	4	3.5	2	3	1	2	3	3	3	2.7
Salvia nemorosa	Color Spires® Violet Riot	P	3	4	3	2	2	3	3	2.5	2.5	2.8
		F	4	5	2	2	1	1	2.5	3	3	2.6
Teucrium	Tickle™ Pink	P	5	5	5	5	4.5	3	2.5	2.5	3	3.9
		F	0	0	1	2	2	2	1	1	1	1.1
Veronica	Ronica™ Dark Pink	P	3	3.5	3.5	4	3	4	3	2.5	2.5	3.2
		F	1	4	4	5	3	2	3	2.5	2	2.9
Veronica 'Novaverblu'	Dark Blue Moody Blues™	P	3	3.5	3	3.5	4	4	4	3.5	3	3.5
		F	2	4	4	4.5	4	4	3	2	1.5	3.2
Veronica 'Novavermau'	Mauve Moody Blues™	P	4	4	4	4	4	5	4	4	4	4.1
		F	1	5	5	4	2	4	5	4	3	3.7
Veronica 'Novaverpin'	Pink Moody Blues™	P	3	4	3	4	3	3	3	3	3	3.2
		F	0	2	4	5	2	2	2.5	3	4	2.7
Veronica 'Novaversky'	Sky Blue Moody Blues™	P	5	4	4	4.5	3	3	2.5	2.5	3	3.5
		F	1	3	5	5	2	3	2	2.5	3	2.9
Veronica 'Novaverwhi'	White Moody Blues™	P	3.5	3.5	3	2	2.5	3	3	2.5	2.5	2.8
		F	1	3.5	4.5	3.5	3	2	2	3	3	2.8

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*F indicates flower rating on a scale of 0 to 5.

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NP = Not Present/Planted

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Achillea	New Vintage™ Rose	Darwin Perennials	pink	H: 12 W: 31.5	2016

Rating June: 3 Comments: filled out well, one bald spot
Rating July: 4 Comments: no lodging, buds just starting to open
Rating Aug.: 1.2 Comments: lots of growth and a few flowers since being cut back
Rating Sept.: 4 Comments: healthy and lush since being cut back

 # Planted: 13
% Survived: 100

Additional Comments: Strong plants with uniform and habit and good vigor in early summer. Stems lodged later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Achillea	New Vintage™ Red	Darwin Perennials	red	H: 12 W: 24.5	2016

Rating June: 3 Comments: filled out well with a few plants lodged
Rating July: 4 Comments: some lodging, floriferous
Rating Aug.: 1.2 Comments: lots of growth and a few flowers since being cut back
Rating Sept.: 4 Comments: healthy and lush since being cut back

 # Planted: 6
% Survived: 100

Additional Comments: Strong plants with uniform and habit and good vigor and some lodging through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Achillea B12SB533	Yarrow	Blooms of Bressingham	dark pink	H: 22.5 W: 24.5	2016

Rating June: 4 Comments: some lodging, probably from snow
Rating July: 3 Comments: some lodging
Rating Aug.: 3.5 Comments: dense and upright since being cut back
Rating Sept.: 4 Comments: dense and lush since being cut back, reblooming

 # Planted: 12
% Survived: 100

Additional Comments: Uniform with good vigor through summer. Some lodging later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Achillea B12SB534	Yarrow	Blooms of Bressingham	red	H: 16 W: 22.5	2016

Rating June: 3 Comments: some lodging, probably from snow
Rating July: 3 Comments: major lodging
Rating Aug.: 2.3 Comments: some chlorosis, lodging
Rating Sept.: 3 Comments: sparse and chlorotic since being cut back

 # Planted: 12
% Survived: 100

Additional Comments: Uniform with some shaded plants lodging through summer. Chlorosis developed in late summer with few flowers with weak stems.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Aubrieta x cultorum	Pixie Pearls	Jelitto Perennial Seeds	white	H: 6 W: 14	2016

Rating June: 1 Comments: flattened, floppy
Rating July: 2 Comments: deadheaded last week, a little sparse looking now
Rating Aug.: 1.3 Comments: mostly uniform, compact mounds with soft visual texture
Rating Sept.: 4 Comments: plants healthy but irregular

 # Planted: 18
% Survived: 100

Additional Comments: Emerged looking good in spring. Uniform with good vigor through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	Madras Magic	Terra Nova Nurseries	red and cream	H: 14 W: 28.5	2016

Rating June: 2 Comments: irregular, but healthy
Rating July: 2 Comments: plants healthy but not uniform
Rating Aug.: 3.8 Comments: plants irregular, but floriferous
Rating Sept.: 3 Comments: plants irregular but healthy, minor lodging

 # Planted: 18
% Survived: 94

Additional Comments: Uniform and compact habit with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Delosperma	Alan's Apricot	Plant Select®	light peach	H: 4 W: 32.5	2016

Rating June: 5 Comments: dense carpet
Rating July: 3 Comments: vigorous and healthy
Rating Aug.: 4.7 Comments: a few spots melted out
Rating Sept.: 4.5 Comments: a few areas melted out, mostly still dense and floriferous

 # Planted: 18
% Survived: 100

Additional Comments: Emerged vigorously early in spring. Foliage hidden from all the flowers in early summer. Foliage vigorous through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Delosperma 'PWWG02S'	Red Mountain® Flame Ice Plant	Plant Select®	scarlet red	H: 2 W: 27	2016

Rating June: 4 Comments: intense flower carpet when in sun, barely any foliage showing
Rating July: 3 Comments: some brownish patches, chlorosis, done flowering
Rating Aug.: 3.3 Comments: a few spots melted out, flowers sparse
Rating Sept.: 3.5 Comments: some areas melted out, sparse, still a few flowers

 # Planted: 18
% Survived: 100

Additional Comments: Emerged vigorous in spring. Good vigor and abundant flowers in early summer. Foliage color variable through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dendranthema	Dainty Pink Igloo	Blooms of Bressingham	pink	H: 26 W: 30	2016

Rating June: 1 Comments: irregular, low vigor
Rating July: 2 Comments: plants not uniform
Rating Aug.: 2 Comments: vigorous and uniform, heavily budded
Rating Sept.: 3 Comments: starting to bloom, dense plants covered in buds

 # Planted: 12
% Survived: 100

Additional Comments: Some emerged sparse in spring. Variable habit in early summer and good vigor. Pale-foliage later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dendranthema	Harvest Igloo	Blooms of Bressingham	orange	H: 27 W: 42.5	2016

Rating June: 2 Comments: uniform, vigorous
Rating July: 2 Comments: uniform and vigorous
Rating Aug.: 3.8 Comments: some lodging, but flowers abundant. Not all plants flowering at the same time
Rating Sept.: 3 Comments: major lodging, intense and complete flower cover, like an orange carpet where lodging doesn't reveal foliage

 # Planted: 12
% Survived: 100

Additional Comments: Uniform habit and good vigor through season and heavily budded. Some stems lodged later in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dendranthema	Sundance Igloo	Blooms of Bressingham	yellow	H: 26 W: 39	2016

Rating June: 2 Comments: irregular
Rating July: 2 Comments: one tiny plant
Rating Aug.: 2 Comments: vigorous and uniform, heavily budded
Rating Sept.: 2 Comments: dense wuth a few flowers opening

 # Planted: 12
% Survived: 100

Additional Comments: Some emerged sparse in spring. Variable habit in early summer and good vigor. Uniform habit later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Desire	Dummen Orange	red	H: 8 W: 13.5	2016

Rating June: 1 Comments: sparse
Rating July: 3 Comments: sparse
Rating Aug.: 1.5 Comments: leaf spot
Rating Sept.: 2 Comments: leaf spot fungus

 # Planted: 6
% Survived: 67

Additional Comments: Emerged very sparse in spring. Few small
linving plants through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Odessa Aston	Dummen Orange	pink	H: 7.5 W: 11.75	2016

Rating June: 3 Comments: irregular, but healthy
Rating July: 3 Comments: healthy with bright flowers
Rating Aug.: 2.8 Comments: leaf spot
Rating Sept.: 3.5 Comments: leaf spot fungus

 # Planted: 6
% Survived: 100

Additional Comments: Emerged patchy in spring. Modest vigor and little uniformity in early summer. Good uniformity and vigor later in season. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Beetle	Dummen Orange	burgundy	H: 7 W: 9.75	2016

Rating June: 4 Comments: dense, floriforous
Rating July: 3 Comments: losing one plant, others showing dull foliage and maybe fungus
Rating Aug.: 2.5 Comments: leaf spot
Rating Sept.: 3 Comments: leaf spot fungus

 # Planted: 6
% Survived: 67

Additional Comments: Emerged patchy in spring. Compact and uniform through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Beauties Kate	Dummen Orange	pink	H: 4 W: 8.5	2016

Rating June: 4 Comments: mostly uniform
Rating July: 3 Comments: uniform and floriferous
Rating Aug.: 2.8 Comments: leaf spot
Rating Sept.: 3 Comments: leaf spot fungus

 # Planted: 6
% Survived: 100

Additional Comments: Emerged nice and dense. Uniform and compact with good vigor through summer. Few flowers late in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Dynamite	Dummen Orange	red	H: 6.5 W: 14.25	2016

Rating June: 5 Comments: dense, profuse buds
Rating July: 4 Comments: very lush, unifprm and floriferous, some minor lodfing right after watering
Rating Aug.: 2.8 Comments: minor leaf spot
Rating Sept.: 3 Comments: minor leaf spot

 # Planted: 6
% Survived: 100

Additional Comments: Emerged with most looking great in spring. Uniform and vigorous through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Maserati	Dummen Orange	scarlet	H: 7.5 W: 12.75	2016

Rating June: 4 Comments: dense, healthy
Rating July: 4 Comments: lush and floriferous
Rating Aug.: 3.2 Comments: leaf spot, few flowers
Rating Sept.: 2.5 Comments: one plant crispy, some leaf spot

 # Planted: 6
% Survived: 83

Additional Comments: Some emerged sparse in spring. Uniform and vigorous through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Jaguar	Dummen Orange	red and burgundy	H: 6 W: 11.25	2016

Rating June: 4 Comments: mostly uniform, tight mounds
Rating July: 3 Comments: mostly uniform, back two plants look stunted maybe from irrigation coverage
Rating Aug.: 2.3 Comments: leaf spot
Rating Sept.: 2 Comments: mostly uniform, but have leaf spot

 # Planted: 6
% Survived: 100

Additional Comments: Some emerged sparse in spring. Very uniform and compact with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Red Esta	Dummen Orange	red and white	H: 9 W: 10	2016

Rating June: 3 Comments: irregular
Rating July: 3 Comments: healthy
Rating Aug.: 2 Comments: leaf spot, few flowers
Rating Sept.: 2.5 Comments: leaf spot fungus

 # Planted: 6
% Survived: 100

Additional Comments: Some emerged sparse in spring. Average uniformity and vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Olivia Sweet	Dummen Orange	red and white	H: 4.5 W: 6.25	2016

Rating June: 3 Comments: sparse, tiny
Rating July: 2 Comments: sparse, low vigor
Rating Aug.: 1.2 Comments: low vigor
Rating Sept.: 2 Comments: low vigor, but foliage healthy

 # Planted: 6
% Survived: 83

Additional Comments: Emerged very sparse in spring. Low vigor and weak through summer. Plants began to look dead in late summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Beauties Doutzen	Dummen Orange	white	H: 7.5 W: 17.5	2016

Rating June: 5 Comments: vigorous, lush
Rating July: 4 Comments: some lodging with overhead water
Rating Aug.: 2.8 Comments: minor leaf spot, few flowers
Rating Sept.: 3 Comments: plants sparse, leaf spot fungus

 # Planted: 6
% Survived: 100

Additional Comments: Emerged looking good in spring. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Olivia Cherry	Dummen Orange	red and pink	H: 3.5 W: 9	2016

Rating June: 3 Comments: sparse
Rating July: 3 Comments: sparse, low vigor
Rating Aug.: 1.7 Comments: low vigor
Rating Sept.: 2.5 Comments: some leaf spot

 # Planted: 6
% Survived: 50

Additional Comments: Emerged patchy in spring. Few small living plants through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Beauties Naomi	Dummen Orange	pink	H: 4.5 W: 11	2016

Rating June: 5 Comments: uniform, floriforous
Rating July: 3 Comments: unifprm, healthy
Rating Aug.: 2.7 Comments: minor leaf spot
Rating Sept.: 2.5 Comments: leaf spot fungus

 # Planted: 6
% Survived: 100

Additional Comments: Emerged patchy in spring. Compact and uniform through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	KISMET™ Intense Orange	Terra Nova Nurseries	orange	H: 25 W: 28.5	2016

Rating June: 5 Comments: mostly uniform,
Rating July: 5 Comments: very vigorous despite symptoms of aster yellows last season
Rating Aug.: 4.8 Comments: aster yellows present, but not affecting vigor or flower impact, some lodging
Rating Sept.: 2.5 Comments: flowers fading, some lodging

 # Planted: 18
% Survived: 94

Additional Comments: Uniform and compact with good vigor through summer. Bloomed very heavily.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	KISMET™ Raspberry	Terra Nova Nurseries	deep pink to plum	H: 25 W: 28	2016

Rating June: 5 Comments: uniform, vigorous,
Rating July: 5 Comments: very vigorous despite symptoms of aster yellows last season
Rating Aug.: 5 Comments: aster yellows present, but not affecting vigor or flower impact
Rating Sept.: 3 Comments: flowers fading, but plants still uniform and erect

 # Planted: 18
% Survived: 100

Additional Comments: Uniform and compact with good vigor through summer. Bloomed very heavily.

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*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Epimedium	Pink Champagne	Eason Horticulture Resources	light pink	H: 8 W: 15.25	2016

Rating June: 2 Comments: flowers almost done, were amazing!
Rating July: 2 Comments: some chlorosis, plants mostly look healthy
Rating Aug.: 1.7 Comments: a few plants chlorotic
Rating Sept.: 1.5 Comments: a few chlorotic plants in row, most healthy

 # Planted: 19
% Survived: 95

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Gaillardia	Spintop Yellow Touch	Dummen Orange	dark orange and yellow	H: 13.5 W: 25	2016

Rating June: 5 Comments: dense, vigorous
Rating July: 5 Comments: very vigorous and uniform, floriferous
Rating Aug.: 3.8 Comments: insect damage, flower impact still impressice
Rating Sept.: 4 Comments: one plant melting out, others dense and floriferous

 # Planted: 6
% Survived: 100

Additional Comments: Uniform and compact habit with good vigor through summer. Flowers were held above foliage.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Geum	RUSTICO™ Orange	Terra Nova Nurseries	orange/red	H: 20 W: 25.5	2016

Rating June: 3 Comments: almost done blooming, dense, lush uniform mounds
Rating July: 3 Comments: lush green mounds of foliage hide deadheads well
Rating Aug.: 2.5 Comments: lush dense, uniform mounds of foliage
Rating Sept.: 2 Comments: uniform lush mounds

 # Planted: 18
% Survived: 100

Additional Comments: Emerged looking good in spring. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heliopsis helianthoides var.	Burning Hearts	Jelitto Perennial Seeds	yellow with dark eye	H: 43 W: 45	2016

Rating June: 4 Comments: irregular
Rating July: 5 Comments: plants a little leggy, but flowers are bright and vibrant against dark foliage
Rating Aug.: 4.5 Comments: lodging, but good dark leaf color and flower cover
Rating Sept.: 3 Comments: lodging from too much shade, flowers starting to wind down, maintaining dark leaf color

 # Planted: 18
% Survived: 78

Additional Comments: Uniform with good vigor through summer. Bloomed heavily.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heliopsis helianthoides var.	Prima Ballerina	Jelitto Perennial Seeds	yellow	H: 29 W: 50.5	2016

Rating June: 3 Comments: one plant showing viral symptoms
Rating July: 5 Comments: plants dense and upright, one looks virusy with chlorotic paaterns on foliage
Rating Aug.: 4.3 Comments: lots of insect damage on leaves, lodging
Rating Sept.: 2.5 Comments: severe insect damage, lodging, but still flowering pretty strong

 # Planted: 18
% Survived: 89

Additional Comments: Emerged with some chlorosis. Uniform with good vigor through summer. Bloomed heavily. Some stems lodged later in the season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Hemerocallis	Double Pardon Me	Darwin Perennials	burgundy	H: 21 W: 36	2016

Rating June: 3 Comments: fairly uniform
Rating July: 5 Comments: a few necrotic leaves
Rating Aug.: 3.7 Comments: leaves starting to brown, a few flowers yet
Rating Sept.: 3 Comments: a few flowers, foliage starting to brown

 # Planted: 11
% Survived: 100

Additional Comments: Vigorous and uniform through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Hibiscus	SUMMERIFIC® Perfect Storm	Walters Gardens	light pink with dark variegation	H: 51 W: 55.5	2016

Rating June: 2 Comments: vigorous, mostly uniform
Rating July: 2 Comments: full, vigorous
Rating Aug.: 2.3 Comments: vigorous and uniform, even flower cover
Rating Sept.: 4.5 Comments: vigorous plants with numerous large flowers

 # Planted: 11
% Survived: 100

Additional Comments: Very uniform and vigorous through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lavandula	Lavance Deep Purple	PanAmerican/Kieft	dark lavender	H: 22 W: 18	2016

Rating June: 4 Comments: uniform, small, budding
Rating July: 4 Comments: deep purple flowers are lovely, plants are pretty small yet
Rating Aug.: 4 Comments: some leaf spot, spectacular deep purple flowers, upright habit
Rating Sept.: 3.5 Comments: rich flower color, some lower foliage dropping, some leaf spot, new growth looks healthy

 # Planted: 18
% Survived: 94

Additional Comments: Uniform and compact through summer. Good vigor through the end of the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lavandula angustifolia	Wee One	Plant Select®	lavender	H: 17.5 W: 23	2016

Rating June: 5 Comments: uniform and vigorous, budding
Rating July: 4 Comments: uniform and floriferous
Rating Aug.: 3.5 Comments: lots of dieback at base of plants, leaf spot fungus
Rating Sept.: 2.5 Comments: plants have opened in the center, lower foliage dropping, continuing to flower. New growth looks healthy

 # Planted: 18
% Survived: 100

Additional Comments: Uniform and compact with many buds through summer. Many pollinators. Good vigor.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lupinus	Westcountry™ Gladiator	Eason Horticulture Resources	orange	H: 10 W: 18.5	2016

Rating June: 3 Comments: some lodging, probably from snow, flowers huge and impressive
Rating July: 3 Comments: some leaf spot developing on back of row from irrigation issues
Rating Aug.: 1.2 Comments: severe chlorosis
Rating Sept.: 1 Comments: chlorotic and sparse

 # Planted: 18
% Survived: 100

Additional Comments: Emerged with some chlorosis. Vigorous in summer. New growth chlorotic later in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lupinus	Westcountry™ Red Rum	Eason Horticulture Resources	red	H: 11 W: 24	2016

Rating June: 3 Comments: some lodging, probably from snow, flowers huge and impressive
Rating July: 3 Comments: some leaf spot developing on back of row from irrigation issues
Rating Aug.: 1.5 Comments: severe chlorosis
Rating Sept.: 1 Comments: some chlorosis, dense foliage

 # Planted: 18
% Survived: 100

Additional Comments: Emerged looking good in spring. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Balmy™ Purple	Darwin Perennials	reddish purple	H: 6.5 W: 9.5	2016

Rating June: 1 Comments: sparse, low vigor
Rating July: 4 Comments: plants not uniform, some very sparse
Rating Aug.: 0.8 Comments: severe powdery mildew
Rating Sept.: 1 Comments: new growth looks fairly healthy since being cut back

 # Planted: 13
% Survived: 77

Additional Comments: Emerged sparse in spring. Good green foliage and uniform habit through summer. Very floriferous at peak bloom. Heavy powdery mildew later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda M0011	M0011	Dummen Orange	light pink	H: 28 W: 27.5	2016

Rating June: 3 Comments: vigorous
Rating July: 5 Comments: plants uniform, flowers just starting to open
Rating Aug.: 2.3 Comments: uniform plants, but severe mildew
Rating Sept.: 1 Comments: severe mildew

 # Planted: 6
% Survived: 100

Additional Comments: Very uniform and vigorous through summer. Few flowers late in season and heavily covered in mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda M0013	M0013	Dummen Orange	magenta	H: 34 W: 24.5	2016

Rating June: 3 Comments: healthy
Rating July: 4 Comments: some chlorosis, plants not uniform
Rating Aug.: 2.8 Comments: severe mildew
Rating Sept.: 0.5 Comments: severe mildew

 # Planted: 6
% Survived: 83

Additional Comments: Very uniform and vigorous through summer. Few flowers late in season and heavily covered in mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda M0014	M0014	Dummen Orange	lavender	H: 40 W: 32	2016

Rating June: 3 Comments: healthy
Rating July: 4 Comments: no mildew yet
Rating Aug.: 1.8 Comments: severe mildew and lodging
Rating Sept.: 0.5 Comments: severe mildew

 # Planted: 6
% Survived: 67

Additional Comments: Emerged patchy in spring. Very uniform and vigorous through summer. Few flowers late in season and heavily covered in mildew.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda M0017	M0017	Dummen Orange	dark pink/lavender	H: 11 W: 9	2016

Rating June: 1 Comments: low vigor
Rating July: 1 Comments: very small, some chlorosis and mildew
Rating Aug.: 1.2 Comments: small, chlorotic and mildewy
Rating Sept.: 0.5 Comments: severe mildew

 # Planted: 6
% Survived: 67

Additional Comments: Emerged sparse in spring. Low vigor and weak plants through summer. Few flowers late in season and heavily covered in mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda M0021	M0021	Dummen Orange		H: 35 W: 25.5	2016

Rating June: 3 Comments: vigorous
Rating July: 3 Comments: some mildew
Rating Aug.: 2.5 Comments: uniform plants, but severe mildew
Rating Sept.: 1 Comments: severe mildew

 # Planted: 6
% Survived: 100

Additional Comments: Very uniform and vigorous through summer. Some powdery mildew beginning in July. Few flowers late in season and heavily covered in mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Perovskia	Blue Steel	PanAmerican/Kieft	lavender	H: 37 W: 59	2016

Rating June: 3 Comments: mostly uniform, some chlorosis
Rating July: 2 Comments: vigorous and mostly uniform
Rating Aug.: 3 Comments: good flower coverage, but severe lodging is distracting
Rating Sept.: 3 Comments: major lodging, flower color still vibrabt

 # Planted: 18
% Survived: 100

Additional Comments: Very uniform and vigorous through summer. Stems lodged later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Perovskia	Blue Jean Baby	Walters Gardens	lavender	H: 30 W: 42.5	2016

Rating June: 3 Comments: mostly uniform
Rating July: 5 Comments: vigorous and uniform, fairly dwarf so far
Rating Aug.: 3.7 Comments: severe lodging, some chlorosis
Rating Sept.: 3 Comments: severe lodging and minor chlorosis

 # Planted: 18
% Survived: 100

Additional Comments: Uniform and vigorous through summer. Stem lodged later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Trio Confetti Flame 1	Dummen Orange	white, magenta, and bright coral	H: 19 W: 24.25	2016

Rating June: 2 Comments: vigorous
Rating July: 4 Comments: one plant very small, purple blooming first
Rating Aug.: 3.7 Comments: severe powdery mildew
Rating Sept.: 2 Comments: severe mildew

 # Planted: 6
% Survived: 100

Additional Comments: Unifrom habit in early summer with good vigor. Purple plants more vigorous through summer. Bloomed heavily. Some powdery mildew.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Flame New Improved Pink	Dummen Orange	bubblegum pink with dark eye	H: 16 W: 17.75	2016

Rating June: 3 Comments: non uniform
Rating July: 4 Comments: a few small plants in row
Rating Aug.: 3.7 Comments: moderate powdery mildew
Rating Sept.: 2 Comments: severe mildew

 # Planted: 6
% Survived: 83

Additional Comments: One emerged very sparse in spring. Pale green foliage in early summer. Uniform and compact habit with good green color through summer. Bloomed heavily. Some powdery mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Sweet Seduction Blue	Dummen Orange	lavender	H: 3 W: 31.5	2016

Rating June: 2 Comments: filling in
Rating July: 2 Comments: filling in nicely
Rating Aug.: 2 Comments: dense and lush foliage holds tight to the ground
Rating Sept.: 1.5 Comments: some chlorotic and sparse areas

 # Planted: 6
% Survived: 100

Additional Comments: Emerged looking good in spring. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Trio Confetti Early 1	Dummen Orange	light purple, bright pink, and light pink with dark eye	H: 19 W: 20.75	2016

Rating June: 3 Comments: mostly uniform
Rating July: 3 Comments: all three colors blooming together on most plants
Rating Aug.: 3.2 Comments: moderate powdery mildew
Rating Sept.: 2 Comments: moderate mildew

 # Planted: 6
% Survived: 100

Additional Comments: Uniform habit with good vigor through the summer. Some powdery mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Sweet Seduction Pink	Dummen Orange	pink	H: 3.5 W: 28.5	2016

Rating June: 2 Comments: filling in
Rating July: 2 Comments: filling in nicely
Rating Aug.: 2 Comments: dense and lush foliage holds tight to the ground
Rating Sept.: 1.5 Comments: lush and dense carpet

 # Planted: 6
% Survived: 100

Additional Comments: Emerged looking good in spring. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Flame New Improved Red	Dummen Orange	scarlet	H: 28 W: 26.5	2016

Rating June: 2 Comments: leaf spot fungus
Rating July: 3 Comments: leaf spot fungus on a few plants
Rating Aug.: 3.5 Comments: some mildew and leaf spot
Rating Sept.: 2.5 Comments: vibrant red blooms, some mildew

 # Planted: 6
% Survived: 100

Additional Comments: Uniform and compact through summer. Sporadic blooms. No mildew in August.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Early Cerise	Dummen Orange	fuchsia	H: 16.5 W: 14.25	2016

Rating June: 1 Comments: non uniform
Rating July: 3 Comments: plants not uniform, but flower color is vibrant
Rating Aug.: 3.2 Comments: severe powdery mildew
Rating Sept.: 2 Comments: severe mildew

 # Planted: 6
% Survived: 66

Additional Comments: Emerged sparse in spring. Variable habit in early summer with low vigor. Sporadic flowering through summer. Some powdery mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Early Pink Blush	Dummen Orange	light pink with dark eye	H: 10 W: 16.25	2016

Rating June: 3 Comments: blooms look kind of purple, plants not uniform
Rating July: 3 Comments: plants very uneven, a little chlorotic
Rating Aug.: 2.5 Comments: low vigor, severe powdery mildew
Rating Sept.: 2 Comments: one plant looks terrible, others only have moderate mildew

 # Planted: 5
% Survived: 80

Additional Comments: Some emerged sparse in spring. Variable habit in early summer. Uniform habit through rest of the summer. Some powdery mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Flame New Improved Purple	Dummen Orange	fuchsia	H: 19 W: 20.5	2016

Rating June: 4 Comments: uniform and vigorous
Rating July: 4 Comments: very uniform, floriferous
Rating Aug.: 4.5 Comments: moderate powdery mildew
Rating Sept.: 2 Comments: minor mildew with evenly distributed flowers

 # Planted: 6
% Survived: 83

Additional Comments: Plants were uniform and vigorous through the summer. Bloomed heavily with large florets. Some powdery mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Trio Confetti Spring 1	Dummen Orange	dark pink	H: 5 W: 21	2016

Rating June: 2 Comments: filling in
Rating July: 2 Comments: some foliage burn
Rating Aug.: 1.2 Comments: brown dead areas, a couple blooms
Rating Sept.: 0.5 Comments: many crispy areas

 # Planted: 6
% Survived: 100

Additional Comments: Uniform with good vigor through summer. Parts of plants died later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Early White Improved	Dummen Orange	white, magenta, and bright coral	H: 11.5 W: 13.75	2016

Rating June: 1 Comments: non uniform
Rating July: 3 Comments: a few small plants in row
Rating Aug.: 2.5 Comments: low vigor, severe powdery mildew
Rating Sept.: 2 Comments: low vigor, mildew

 # Planted: 6
% Survived: 66

Additional Comments: Some emerged sparse in spring. Variable habit and flowering through summer and low vigor. Some powdery mildew.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Caramia	Dummen Orange	dark purple	H: 25.5 W: 39.5	2016

Rating June: 5 Comments: smushed from snow
Rating July: 3 Comments: lodging from May snow
Rating Aug.: 2.8 Comments: very vigorous since being cut back
Rating Sept.: 3 Comments: severe lodging

 # Planted: 6
% Survived: 100

Additional Comments: Emerged looking good in spring. Some lodging in early summer. Lacked vigor and uniformity later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Blue Marvel	Darwin Perennials	blue/purple	H: 21.5 W: 27.5	2016

Rating June: 5 Comments: vigorous
Rating July: 3 Comments: very vigorous without lodging, bright vibrabt blue flowers
Rating Aug.: 2.5 Comments: even flower cover
Rating Sept.: 3.5 Comments: dense and floriferous since cutting back

 # Planted: 13
% Survived: 100

Additional Comments: Uniform with good vigor in early summer. Some lodging later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Scabiosa	Flutter™ Rose Pink	Darwin Perennials	light pink	H: 19 W: 29	2016

Rating June: 3 Comments: okay health
Rating July: 5 Comments: one plant very small, others vigorous and floriferous
Rating Aug.: 4 Comments: dense and floriferous
Rating Sept.: 4 Comments: minor mildew starting

 # Planted: 11
% Survived: 36

Additional Comments: Uniform and compact habit with good vigor through summer. Bloomed heavily. Showed some powdery mildew later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Scabiosa	Flutter™ Deep Blue	Darwin Perennials	light blue	H: 20 W: 28	2016

Rating June: 2 Comments: okay health
Rating July: 3 Comments: healthy
Rating Aug.: 3.7 Comments: floriferous
Rating Sept.: 3.5 Comments: minor mildew

 # Planted: 14
% Survived: 21

Additional Comments: One good looking plant, one weak one in early summer. Low vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Solidago canadensis	Little Miss Sunshine	Jelitto Perennial Seeds	yellow	H: 14.5 W: 15	2016

Rating June: 5 Comments: some lodging, probably from snow
Rating July: 5 Comments: some powdery mildew and lodging, just starting to bloom
Rating Aug.: 2.8 Comments: lodging and severe powdery mildew
Rating Sept.: 3.5 Comments: very minor mildew since being cut back

 # Planted: 18
% Survived: 100

Additional Comments: Emerged with some chlorosis. Uniform and compact with good vigor. Stems lodged later in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2016 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Sorghastrum nutans 'Thin Man' PPAF	Thin Man	Plant Select®	straw yellow	H: 75 W: 37.5	2016

Rating June: 3 Comments: uniform, vigorous
Rating July: 2 Comments: one row upright, the other lodging
Rating Aug.: 2.5 Comments: severe lodging
Rating Sept.: 3.5 Comments: severe lodging , attractive straw colored plumes

 # Planted: 18
% Survived: 100

Additional Comments: Uniform with good vigor through summer. Stems lodged and there were few flowers later in the summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Trifolium rubens	Frosty Feathers	Jelitto Perennial Seeds	white	H: 19 W: 14.5	2016

Rating June: 2 Comments: only minor rabbit damage this year
Rating July: 3 Comments: some chlorosis, plants not uniform
Rating Aug.: 1.2 Comments: chlorotic new growth
Rating Sept.: 1 Comments: new growth chlorotic

 # Planted: 18
% Survived: 100

Additional Comments: Uniform with good vigor through summer. Very short blooming season. New grwth chlorotic later in the season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of: 2016

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Achillea	New Vintage™ Rose	P	5	4	5	3.5	2	1	3	3.5	4	3.4
		F	0	0	3	4	3	0	1	1	1	1.4
Achillea	New Vintage™ Red	P	3	4	3	2.5	2	1	3	3	3	2.7
		F	0	0	4	4	3	0	1	1	1	1.6
Achillea B12SB533	Yarrow	P	4	4	3	3	3	3	4	4	4	3.6
		F	2	5	4	1	2	1	2.5	3	2	2.5
Achillea B12SB534	Yarrow	P	3.5	3	2.5	2	3	3	2.5	2.5	2	2.7
		F	2	4	3	2	1	1	2	2.5	2	2.2
Aubrieta x cultorum	Pixie Pearls	P	3	4	2	3	2.5	4	3	3.5	4	3.2
		F	1	0	1	0	0	0	1	2	2.5	0.3
Coreopsis	Madras Magic	P	3	2.5	3	3	3	3	3	3	3	2.9
		F	0	0	0	1	3	4	3	3	3	1.9
Delosperma	Alan's Apricot	P	5	5	5	5	4.5	5	3	3	3	4.3
		F	4	5	4	4	3.5	5	4	3	3	3.9
Delosperma 'PWWG02S'	Red Mountain® Flame Ice Plant	P	4	4	2	3	3	4	3	3	3	3.2
		F	5	3	1	2	2	3	2	2	1	2.3
Dendranthema	Dainty Pink Igloo	P	2.5	2.5	3	3.5	3	4	4	4	4	3.4
		F	0	0	0	0	0	0	0	2	5	0.8
Dendranthema	Harvest Igloo	P	4	4	4	4	4	4	3	3	2	3.6
		F	0	0	0	0	1	2	2.5	5	3	1.5
Dendranthema	Sundance Igloo	P	3	3	3	3.5	4	4	4	4.5	4	3.7
		F	0	0	0	0	0	0	3	1	3	0.8
Dianthus	Sunflor Desire	P	2	2.5	2	2.5	2.5	2	2	2.5	2	2.2
		F	0	0	0	2.5	2.5	3	2	1	1	1.3
Dianthus	Odessa Aston	P	1	3.5	3	3	3	3	2.5	2.5	2	2.6
		F	3	2.5	4	3	1.5	1	2	1	1	2.1
Dianthus	Sunflor Beetle	P	4	3.5	2.5	3	2.5	3	2	2	2	2.7
		F	5	3.5	2	3	2.5	3	2	2.5	2	2.8
Dianthus	Beauties Kate	P	4	5	3	3	3	4	2	2	2	3.1
		F	4	5	4	2.5	2	2	2	2	3	2.9

*P indicates plant rating on a scale of 0 to 5.
*F indicates flower rating on a scale of 0 to 5.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/No Flwoers
Ratings of 3 and above are considered showy for most landscapes. NP = Not Present/Planted

Class of: 2016

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Dianthus	Sunflor Dynamite	P	4	4	4	3.5	4	4	3	2.5	4	3.7
		F	2	4.5	4.5	3	1	3	3	2.5	1	2.7
Dianthus	Sunflor Maserati	P	3	3.5	3	3	3	3	2	2	3	2.8
		F	3	3	4	3.5	1	2	2	1	1	2.3
Dianthus	Sunflor Jaguar	P	3	3	3	3	3	3	2.5	2.5	2	2.8
		F	3	3	2	3	1	2	1	1	1	1.9
Dianthus	Sunflor Red Esta	P	3	3	3	3	2.5	3	2	2	2	2.6
		F	1	2.5	3	3.5	1	1	1	1	1	1.7
Dianthus	Olivia Sweet	P	1.5	1	2	1.5	1.5	1	1	2.5	1	1.4
		F	3	2	1	2	1	1	1	2	2	1.7
Dianthus	Beauties Doutzen	P	4.5	4	3	4	4	4	3	2	2.5	3.4
		F	3	4	4	4	1	2	2	2	1	2.6
Dianthus	Olivia Cherry	P	3	2	2	2.5	2	2	3	2.5	3	2.4
		F	3	3	3	3	3	1	2	2	2	2.4
Dianthus	Beauties Naomi	P	4	4	3	3	3	3	2.5	2.5	3	3.1
		F	5	5	3	3	2.5	3	2	1	2	2.9
Echinacea	KISMET™ Intense Orange	P	4	3.5	5	4.5	4.5	4.5	3.5	3	3	3.9
		F	1	1.5	4	5	5	4.5	4	2	2	3.2
Echinacea	KISMET™ Raspberry	P	5	4	5	4.5	5	5	4.5	4	5	4.7
		F	1	1	3.5	5	5	5	3	2	1	2.9
Epimedium	Pink Champagne	P	4	3.5	2.5	2.5	3	3	3	3	3	3.1
		F	1	0	0	0	0	0	0	0	0	0.1
Gaillardia	Spintop Yellow Touch	P	5	4	4.5	5	3	4	3	3.5	3	3.9
		F	0	2	3	5	4	4	4	4.5	4	3.4
Geum	RUSTICO™ Orange	P	5	5	5	4	5	5	5	4.5	5	4.8
		F	1	0	0	0	0	0	0	0	0	0.1
Heliopsis helianthoides var. scabra	Burning Hearts	P	3	4.5	3	3	3	3	3	3	3	3.2
		F	0	3	3.5	5	3.5	5	4	2	2	3.1
Heliopsis helianthoides var. scabra	Prima Ballerina	P	3	3	4	3.5	3	3	3	2.5	2	3
		F	0	1	3	5	4	5	4	3.5	2	3.1

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Class of: 2016

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Hemerocallis	Double Pardon Me	P	4	3	3	4	3	3	2.5	3	3	3.2
		F	0	0	0	2	3	4	1	1	0	1.2
Hibiscus	SUMMERIFIC® Perfect Storm	P	4	5	5	5	5	5	5	5	5	4.9
		F	0	0	0	0	0	0	3.5	4	3	1.2
Lavandula	Lavance Deep Purple	P	4	2.5	4	3.5	3	3	2.5	3	3	3.2
		F	1	3.5	4	5	3	4	4	4	4	3.6
Lavandula angustifolia	Wee One	P	4	4	5	5	3	2	2	2.5	2	3.3
		F	1	4	5	5	3	2	2	2	3	3
Lupinus	Westcountry™ Gladiator	P	4	4	2.5	3	2	2	1.5	2	2	2.6
		F	5	2	1	0	1	0	0	0	0	1
Lupinus	Westcountry™ Red Rum	P	3	3.5	2.5	3	2.5	2	2	3	3	2.7
		F	5	2	1	1	0	0	0	0	0	1
Monarda	Balmy™ Purple	P	2.5	2.5	3	3	2	2	1.5	3	3	2.5
		F	0	0	2	4	2	1	1	0	0	1.1
Monarda M0011	M0011	P	5	5	5	5	4	3	2.5	2	2	3.7
		F	0	0	2	5	1	1	0	0	0	1
Monarda M0013	M0013	P	4	4	3	3.5	3	2	2	2	3	2.9
		F	0	0	0	5	4.5	1	1	0	0	1.3
Monarda M0014	M0014	P	3	3	3	3	2	1	1.5	2	2	2.3
		F	0	0	0	5	2	0	0	0	0	0.8
Monarda M0017	M0017	P	2	2.5	2	2	1.5	2	1.5	1.5	2	1.9
		F	0	0	0	0	1	2	1	0	0	0.4
Monarda M0021	M0021	P	4	4.5	3	3	3.5	3	2.5	2	2	3.1
		F	0	0	0	3	4	3	0	0	0	1.1
Perovskia	Blue Steel	P	3	4	4	4.5	3	3	3	3	2	3.3
		F	0	0	0	1	3	5	3	3	4	2.1
Perovskia	Blue Jean Baby	P	4	4	4	5	3	3	2.5	2.5	2	3.3
		F	0	0	0	4	5	5	2.5	2.5	3	2.4
Phlox	Trio Confetti Flame 1	P	4	3.5	3	3.5	3	4	2	2	2.5	3.1
		F	0	1	3	4.5	4.5	3	1	1	1	2.1

*P indicates plant rating on a scale of 0 to 5.
*F indicates flower rating on a scale of 0 to 5.
Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/No Flwoers
Ratings of 3 and above are considered showy for most landscapes. NP = Not Present/Planted

Class of: 2016

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Phlox	Flame New Improved Pink	P	3	3	3	4.5	3	4	2.5	2	2.5	3.1
		F	1	3	3	4	4	3	1	1	0	2.2
Phlox	Sweet Seduction Blue	P	3	5	3	5	3	5	3	3	3	3.7
		F	1	0	0	0	0	0	0	0	0	0.1
Phlox	Trio Confetti Early 1	P	3	3.5	3	4	3	4	2.5	2.5	2.5	3.1
		F	0	2.5	3	4	4	4	1	1	1	2.3
Phlox	Sweet Seduction Pink	P	3	5	3	5	3	5	3.5	4	4	3.9
		F	1	0	0	0	0	0	0	0	0	0.1
Phlox	Flame New Improved Red	P	2.5	2.5	2	2	2.5	3	2.5	3	3	2.6
		F	0	0	0	3	4.5	4	4	3.5	3	2.4
Phlox	Early Cerise	P	2	2.5	3	3	3	2	2	2	2	2.4
		F	0	0	2	3.5	3	3	1	1	1	1.6
Phlox	Early Pink Blush	P	3	3	3	3.5	3	3	2	2	1.5	2.7
		F	2	3	4	4	3	2	1	1	1	2.3
Phlox	Flame New Improved Purple	P	5	4	4	4	3.5	4	3	3	3	3.7
		F	0	3.5	5	4	4.5	3	1	2.5	2.5	2.9
Phlox	Trio Confetti Spring 1	P	3	3	3	2	2	3	2	2	1.5	2.4
		F	0	0	0	0	0	0	1	1	0	0.2
Phlox	Early White Improved	P	2.5	2	3	3	2.5	2	2	2	1.5	2.3
		F	0	1	3	3.5	3	2	1	1	1	1.7
Salvia	Caramia	P	3	3.5	3	2	3	5	3.5	2.5	2	3.1
		F	4	5	2	2	2	1	3	3.5	2	2.7
Salvia	Blue Marvel	P	3	4	4	3	2	3	3	3	3	3.1
		F	4	5	4	4	3	3	3	3.5	3	3.6
Scabiosa	Flutter™ Rose Pink	P	3	4	3	5	3	5	4	3	2	3.6
		F	0	2	4	5	4	5	4	4	3	3.4
Scabiosa	Flutter™ Deep Blue	P	3	3	3	4	3	4	3	3	3	3.2
		F	2	4	3	4	3	4	4	4	2	3.3
Solidago canadensis	Little Miss Sunshine	P	3	4	2.5	3.5	2	2	2.5	3	3	2.8
		F	0	0	3	4.5	3	1	1	2	3	1.9

*P indicates plant rating on a scale of 0 to 5.
*F indicates flower rating on a scale of 0 to 5.
Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/No Flwoers
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Class of: 2016

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Sorghastrum nutans 'Thin Man' PPAF	Thin Man	P	5	5	3	4	3	3	2	3	2.5	3.4
		F	0	0	1	1	1	2	2	3	4	1.6
Trifolium rubens	Frosty Feathers	P	3	4	2.5	3	2.5	3	2.5	2.5	2	2.8
		F	0	3	2.5	2	1	1	0	0	1	1.2

*P indicates plant rating on a scale of 0 to 5.

*F indicates flower rating on a scale of 0 to 5.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/No Flwoers

Ratings of 3 and above are considered showy for most landscapes.

NP = Not Present/Planted

Spacing and Location Changes for Class of 2017

We had a wonderful response in 2017 from our cooperators with almost 100 new varieties and created a new bed to help accommodate these plants. Since our greatest cooperator concern in the past has been placing plants too close together, we wanted to ensure that new varieties being planted this year had ample space to thrive without competing with their neighbors. In order to provide the necessary spacing, we split the trials into two locations. Instead of planting two rows of 9 plants as we usually do (18 plants total), we planted a single row of each new variety in the trial garden (Approximately 9 plants), while placing the remaining plants in a second location in our new display/demonstration/research garden in clumps of 5 to 7 plants depending on their size. Any plants in this location are considered part of the permanent display and research data will be collected for the lifetime of the plants. The display/demonstration/research garden coordinator will collect data on the plants' performance as well as take photographs throughout the growing season to document flowering quality and vigor. This solution allowed us to provide proper spacing while also giving cooperators the chance to see their new varieties in a designed perennial border as well as a traditional row trial.

Our new perennial display/demonstration/research garden is located just north of the University Center for the Arts, just steps away from the trial beds. This garden space was constructed in 2016 as the new home for the Plant Environmental Research Center (PERC) Perennial Garden. It is a beautiful location with a gazebo, arched vine collection, sitting benches and water feature.

This change in protocol was presented to cooperators for feedback before it was executed and no concerns were voiced. It is anticipated that this change will only be for the class of 2017 because there are more plants being removed in 2018 that should allow room for new varieties.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Agastache	Morello	Terra Nova Nurseries	pink	H: 25 W: 39	2017

Rating June: 4 Comments: started blooming in greenhhouse, uniform plants
Rating July: 4 Comments: uniform, started flowering in greenhouse. Pink flowers with purplish edge
Rating Aug.: 2 Comments: front of row looks stunted, back 2/3 looks full and floriferous
Rating Sept.: 3.5 Comments: most plants vigorous with huge deep pink flower spikes
 # Planted: 9

Additional Comments: Uniform and compact with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Allium	Millenium	Eason Horticulture Resources	pinkish lavender	H: 16 W: 22	2017

Rating June: 2 Comments: not planted yet, too small
Rating July: 4 Comments: healthy, started budding in greenhouse, not much color yet
Rating Aug.: 3.7 Comments: glossy foliage and attractive seed heads despit being done flowering
Rating Sept.: 3.5 Comments: foliage glossy and erect, seed heads attractive
 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Amsonia tabernaemontana	Storm Cloud	Walters Gardens, Inc. /Proven Winners®	pale blue	H: 19 W: 29.5	2017

Rating June: 2 Comments: chlorotic, a little sunburn after planting
Rating July: 2 Comments: a little chlorotic
Rating Aug.: 0.8 Comments: extreme chlorosis and bleaching of new leaves
Rating Sept.: 1 Comments: chlorotic with no new growth since planting
 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Pale green to chlorotic foliage later in season. Showed sun burn late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Armeria	Dreameria™ Daydream	Darwin Perennials	light pink	H: 10.5 W: 11.25	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: a little tip burn, good flower coverage
Rating Aug.: 3.5 Comments: uniform plants with even flower cover
Rating Sept.: 3.5 Comments: uniform with even flower cover
 # Planted: 13

Additional Comments: Uniform with good vigor through summer. Flowers high above foliage.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Armeria	Dreameria™ Sweet Dreams	Darwin Perennials	light pink	H: 12 W: 11.75	2017

Rating June: 3 Comments: healthy
Rating July: 4 Comments: flowers more sparse, plants more vigorous
Rating Aug.: 3.2 Comments: uniform plants with irregular flower cover
Rating Sept.: 3 Comments: uniform plants with uneven flower cover
 # Planted: 13

Additional Comments: Uniform with good vigor through summer. Flowers high above foliage. Few flowers late in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Asclepias tuberosa	Blonde Bombshell	Walters Gardens, Inc.	yellow	H: 14 W: 20.75	2017

Rating June: 3 Comments: non uniform, not rooted out very well when planted
Rating July: 3 Comments: plants very uneven, a little chlorotic
Rating Aug.: 2.2 Comments: insect damage, irregular plants
Rating Sept.: 2.5 Comments: chlorotic with insect damage

 # Planted: 9

Additional Comments: Some chlorosis and stunted growth early in summer. Non-uniform and few flowers through summer. Chlorotic and weak for the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Brunnera	Sea Heart	Plants Nouveau	blue	H: 9 W: 18	2017

Rating June: 2 Comments: healthy
Rating July: 2 Comments: foliage has a lot of silver, healthy since transplant
Rating Aug.: 2.2 Comments: lovely dense mounds of green and silvery foliage
Rating Sept.: 1.5 Comments: uniform plants with glowing silvery foliage

 # Planted: 17

Additional Comments: Strongly heart shaped foliage. Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Campanula	Adansa White	Schoneveld	white	H: 6 W: 8.75	2017

Rating June: 3 Comments: started blooming in greenhouse
Rating July: 3 Comments: deadheaded last week, still flowering
Rating Aug.: 2.2 Comments: healthy, continuing to bloom
Rating Sept.: 2.5 Comments: healthy and continuing to flower

 # Planted: 9

Additional Comments: Uniform with good vigor in through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Campanula	Adansa Pink	Schoneveld	dusty pink	H: 5.5 W: 10.25	2017

Rating June: 2 Comments: started blooming in greenhouse
Rating July: 3 Comments: deadheaded last week,
Rating Aug.: 2.2 Comments: healthy, continuing to bloom
Rating Sept.: 3 Comments: healthy and continuing to flower

 # Planted: 9

Additional Comments: Uniform with good vigor in through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Campanula	Ambella White	Schoneveld	white	H: 6 W: 9.75	2017

Rating June: 3 Comments: healthy, started blooming in greenhouse
Rating July: 3 Comments: deadheaded last week, still flowering
Rating Aug.: 2.7 Comments: lovely, compact mounds with dense flower cover
Rating Sept.: 3.5 Comments: dense, compact mounds covered in flowers

 # Planted: 8

Additional Comments: Uniform with modest vigor through summer. Good foliage color later in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Campanula	Adansa Purple	Schoneveld	periwinkle	H: 8 W: 11.5	2017

Rating June:	2	Comments:	started blooming in greenhouse
Rating July:	3	Comments:	deadheaded last week
Rating Aug.:	2.3	Comments:	healthy and vigorous with good flower coverage
Rating Sept.:	3	Comments:	healthy, vigorous and continuing to flower

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Good foliage color later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Campanula	Ambella Dark Blue	Schoneveld	royal purple	H: 5.5 W: 10	2017

Rating June:	3	Comments:	healthy, started blooming in greenhouse
Rating July:	3	Comments:	deadheaded last week, still flowering
Rating Aug.:	2.8	Comments:	lovely, compact mounds with dense flower cover
Rating Sept.:	3.5	Comments:	dense, compact mounds covered in flowers

 # Planted: 9

Additional Comments: Uniform with modest vigor through summer. Good foliage color later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	Little Bang™ Starbright	Dummen Orange	yellow with burgundy center	H: 20.5 W: 18	2017

Rating June:	2	Comments:	uniform
Rating July:	3	Comments:	healthy plants, only one flowering
Rating Aug.:	2.7	Comments:	plants not uniform
Rating Sept.:	3.5	Comments:	not all plants flowering, but all very dense and healthy

 # Planted: 9

Additional Comments: Uniform and good green color through summer, non-uniform flowering.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	Solanna™ Glow	Danziger	pale yellow	H: 18 W: 24	2017

Rating June:	3	Comments:	floppy, started blooming in greenhouse
Rating July:	4	Comments:	healthy, floriferous
Rating Aug.:	4.2	Comments:	healthy, floriferous, plants irregular
Rating Sept.:	4	Comments:	healthy and floriferous with lush green foliage

 # Planted: 9

Additional Comments: Good vigor and attracts pollinators through summer. Numerous flowers on plant constantly.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	Rosanna	Danziger	deep red with yellow underside	H: 13 W: 18.75	2017

Rating June:	3	Comments:	uniform, started bloomin in greenhouse
Rating July:	4	Comments:	uniform and compact, velvety red flowers on delicate lacy plants
Rating Aug.:	3.8	Comments:	upright, uniform with velvety red flowers
Rating Sept.:	4.5	Comments:	healthy, uniform and continuing to flower

 # Planted: 9

Additional Comments: Uniform and compact with good vigor through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	Gilded Lace	Plants Nouveau	yellow	H: 23 W: 25	2017

Rating June: 3 Comments: healthy but floppy, started blooming in greenhouse
Rating July: 4 Comments: healthy, upright after trimming leggy growth developed in greenhouse
Rating Aug.: 3.5 Comments: floriferous, not much new growth since planting
Rating Sept.: 3 Comments: floriferous, little new growth since transplant

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	Solanna™ Golden Crown	Danziger	gold	H: 18 W: 28.5	2017

Rating June: 3 Comments: started blooming in greenhouse
Rating July: 3 Comments: some flower stalks lodged
Rating Aug.: 3.5 Comments: plants fairly uniform, but flowers too heavy for stems hang down, hiding color
Rating Sept.: 3.5 Comments: healthy plants, floriferous, but flowers lodged

 # Planted: 9

Additional Comments: Uniform and compact with good vigor through summer. Heavy flower stalks often lodge.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	SunKiss	PanAmerican/Kieft	yellow with dark center	H: 18 W: 21.5	2017

Rating June: 3 Comments: uniform
Rating July: 4 Comments: small still, but healthy since transplant
Rating Aug.: 3.7 Comments: healthy, floriferous, somewhat irregular plants
Rating Sept.: 4 Comments: healthy and floriferous

 # Planted: 9

Additional Comments: Uniform with low vigor in early summer. Uniform and compact through rest of season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	Little Bang™ Starstruck	Dummen Orange	burgundy and pink	H: 19 W: 23.25	2017

Rating June: 3 Comments: started blooming in greenhouse, a little floppy
Rating July: 3 Comments: not uniform, but flowers are nice with good dark color
Rating Aug.: 3.5 Comments: healthy, floriferous, somewhat erratic form
Rating Sept.: 3.5 Comments: vigorous, but somewhat irregular

 # Planted: 9

Additional Comments: Uniform with pale green foliage and many pollinators through season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Coreopsis	Solanna™ Golden Sphere	Danziger	gold	H: 14 W: 17.25	2017

Rating June: 3 Comments: healthy, started blooming in greenhouse
Rating July: 4 Comments: very compact foliage, dark green and healthy
Rating Aug.: 3.8 Comments: plants create dense mounds with erect flowers held just above foliage
Rating Sept.: 4 Comments: dense and floriferous, deadheads unsightly

 # Planted: 9

Additional Comments: Uniform and compact through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Delosperma	Stireman Raspberry	Plant Select®	raspberry	H: 2 W: 23	2017

Rating June:	2	Comments:	healthy
Rating July:	3	Comments:	healthy and vigorous since transplant
Rating Aug.:	4.3	Comments:	very vigorous, even flower cover
Rating Sept.:	4	Comments:	vigorous with lush shiny foliage

 # Planted: 18

Additional Comments: Uniform and modest vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Delosperma	Stireman Orange	Plant Select®	orange with yellow center	H: 3.5 W: 17	2017

Rating June:	2	Comments:	healthy
Rating July:	2	Comments:	healthy since transplant
Rating Aug.:	3.5	Comments:	mostly uniform, floriferous
Rating Sept.:	4	Comments:	uniform, dense and still flowering

 # Planted: 18

Additional Comments: Uniform and modest vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	American Pie™ Georgia Peach Pie	Eason Horticulture Resources	light pink with dark eye	H: 10 W: 10.25	2017

Rating June:	4	Comments:	healthy, started budding in greenhouse
Rating July:	2	Comments:	healthy, flower stalks very tall, above compact mounds of bluish foliage
Rating Aug.:	2.8	Comments:	one plant dead, two more look stressed with yellowing leaves. Soil too wet?
Rating Sept.:	3	Comments:	some plants turning brown, root rot?

 # Planted: 9

Additional Comments: Uniform with moderate through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Esmay	Dummen Orange	burgundy	H: 6 W: 7.75	2017

Rating June:	3	Comments:	healthy
Rating July:	3	Comments:	small but healthy since transplant
Rating Aug.:	2.5	Comments:	flower cover good, but some leaf spot
Rating Sept.:	2.5	Comments:	small plants, some leaf spot fungus

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Flowers high above foliage. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Mountain Frost™ White Twinkle	Darwin Perennials	white with burgundy eye	H: 5 W: 10	2017

Rating June:	3	Comments:	healthy
Rating July:	3	Comments:	small mounds, healthy
Rating Aug.:	2.8	Comments:	small, but floriferous
Rating Sept.:	3.5	Comments:	small dense pin cushion like mounds with bright wight flowers

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Mountain Frost™ Pink Twinkle	Darwin Perennials	light pink with dark eye	H: 7 W: 12	2017

Rating June: 3 Comments: healthy
Rating July: 4 Comments: uniform and healthy
Rating Aug.: 3.3 Comments: leaf spot
Rating Sept.: 4 Comments: a few plants chlorotic, most dense and floriferous

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Good green foliage.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Mountain Frost™ Pink PomPom	Darwin Perennials	pink	H: 5 W: 14	2017

Rating June: 3 Comments: healthy
Rating July: 4 Comments: uniform mounds with many bright pink flowers
Rating Aug.: 4 Comments: dense uniform mounds, floriferous
Rating Sept.: 3.5 Comments: uniform, dense, compact and floriferous

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Mountain Frost™ Pink Carpet	Darwin Perennials	light pink with dark eye	H: 10.5 W: 16.5	2017

Rating June: 3 Comments: healthy
Rating July: 4 Comments: very uniform mounds, flowers sparse but evenly distributed
Rating Aug.: 3.3 Comments: dense mossy looking mounds with flowers that appear to float a few inches above foliage
Rating Sept.: 3.5 Comments: dense mossy mounds, starting to open in center slightly

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Mountain Frost™ Rose Bouquet	Darwin Perennials	fuchsia	H: 8 W: 15.5	2017

Rating June: 4 Comments: healthy
Rating July: 4 Comments: very vigorous and uniform, floriferous
Rating Aug.: 3.7 Comments: dense, lush mounds, few flowers
Rating Sept.: 4 Comments: dense lush mounds with vibrant single petal blooms

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Flowers high above foliage. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Abby	Dummen Orange	bright pink	H: 8 W: 13	2017

Rating June: 4 Comments: healthy
Rating July: 4 Comments: healthy and floriferous
Rating Aug.: 2.8 Comments: leaf spot
Rating Sept.: 3 Comments: some leaf spot, still floriferous

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Flowers high above foliage. Few flowers late in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Flow™ Grace Bay	Hilverdakooij	cream with pink edge	H: 8 W: 8.75	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: healthy since transplant
Rating Aug.: 2.3 Comments: healthy, few flowers
Rating Sept.: 3 Comments: plants healthy but irregular

 # Planted: 14

Additional Comments: Very uniform in habit in midsummer, nice color range in flowers, flowers large and fully double.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Mountain Frost™ Silver Strike	Darwin Perennials	pale plum with darker eye	H: 12 W: 15.5	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: healthy mounds of silver foliage with tall flower stalks
Rating Aug.: 3.5 Comments: healthy silvery mounds with erect flower stalks
Rating Sept.: 4 Comments: vigorous with pale gray foliage and tall flower stalks

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Silvery blue foliage. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Mimi	Dummen Orange	coral	H: 8.5 W: 9.75	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: small but healthy since transplant, vibrant coral flowers
Rating Aug.: 2.7 Comments: healthy, flower cover somewhat uneven
Rating Sept.: 2.5 Comments: healthy with unique coral flower color

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Kahori Pink	Dummen Orange	pink	H: 5 W: 9.75	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: healthy since transplant
Rating Aug.: 3 Comments: healthy and uniform
Rating Sept.: 3.5 Comments: minor leaf spot, uniform and floriferous

 # Planted: 9

Additional Comments: Uniform habit through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Kahori Scarlet	Dummen Orange	scarlet	H: 6.5 W: 9	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: healthy and floriferous since transplant
Rating Aug.: 2.7 Comments: uniform and healthy
Rating Sept.: 3 Comments: healthy and mostly uniform

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

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*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Flow™ Punta Cana	Hilverdakooij	pale yellow	H: 7.5 W: 9	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: healthy since transplant
Rating Aug.: 2.2 Comments: low vigor compared to rest of series
Rating Sept.: 3 Comments: plants healthy but irregular

 # Planted: 14

Additional Comments: Very uniform in habit in midsummer, nice color range in flowers, flowers large and fully double.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Flow™ Blinky Beach	Hilverdakooij	magenta	H: 9 W: 9.5	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: healthy since transplant
Rating Aug.: 2.7 Comments: healthy, flowers show thrips damage
Rating Sept.: 3 Comments: plants healthy but irregular

 # Planted: 14

Additional Comments: Very uniform in habit in midsummer, nice color range in flowers, flowers large and fully double.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Rockin'™ Red	PanAmerican/Kieft	red	H: 20 W: 16.5	2017

Rating June: 2 Comments: healthy
Rating July: 4 Comments: very vibrant red flowers
Rating Aug.: 3.8 Comments: plants irregular, but flowers rich and overall impact is very nice
Rating Sept.: 4 Comments: intense red flowers, upright plants

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Desire	Dummen Orange	red	H: 6.5 W: 11.75	2017

Rating June: 3 Comments: healthy
Rating July: 4 Comments: uniform plants, flowers vibrant
Rating Aug.: 2.8 Comments: dense and uniform mounds, few flowers
Rating Sept.: 3 Comments: uniform mounds with rich red flowers

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Odessa Joelle	Dummen Orange	magenta	H: 10 W: 15	2017

Rating June: 3 Comments: healthy
Rating July: 3 Comments: plants uniform, few flowers
Rating Aug.: 2.7 Comments: some leaf spot, few flowers
Rating Sept.: 2.5 Comments: plants dense, but few flowers

 # Planted: 11

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Flow™ Crane Beach	Hilverdakooij	red	H: 8.5 W: 10.25	2017

Rating June:	3	Comments:	healthy	
Rating July:	3	Comments:	healthy since transplant	
Rating Aug.:	2.7	Comments:	healthy, few flowers	
Rating Sept.:	3	Comments:	plants healthy but irregular	

 # Planted: 14

Additional Comments: Very uniform in habit in midsummer, nice color range in flowers, flowers large and fully double.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Nora	Dummen Orange	salmon pink	H: 6 W: 9	2017

Rating June:	3	Comments:	healthy	
Rating July:	3	Comments:	small but healthy since transplant	
Rating Aug.:	2.7	Comments:	small, but floriferous	
Rating Sept.:	2.5	Comments:	healthy and uniform	

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Flowers high above foliage. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Odessa Amy	Dummen Orange	burgundy with white edge	H: 10 W: 13.25	2017

Rating June:	3	Comments:	healthy	
Rating July:	4	Comments:	healthy since transplant	
Rating Aug.:	3	Comments:	erect flower stalks, plants fairly uniform	
Rating Sept.:	3	Comments:	uniform plants, need deadheading	

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Megan	Dummen Orange	pale pink with darker center	H: 5 W: 8.5	2017

Rating June:	3	Comments:	healthy	
Rating July:	3	Comments:	small but healthy since transplant	
Rating Aug.:	2.3	Comments:	small plants	
Rating Sept.:	2.5	Comments:	deadheads unsightly, flowers fade quickly	

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Olivia Bella	Dummen Orange	light pink with darker center	H: 6.5 W: 9.5	2017

Rating June:	3	Comments:	low vigor, very small	
Rating July:	3	Comments:	small, sparse plants	
Rating Aug.:	2.2	Comments:	small, but floriferous	
Rating Sept.:	3	Comments:	dwarf plants, bright and floriferous	

 # Planted: 11

Additional Comments: Uniform with good vigor through summer. Plants small compared to other Dianthus and lacked vigor in late season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Flow™ White Bay	Hilverdakooij	white	H: 7 W: 10.5	2017

Rating June:	3	Comments:	healthy
Rating July:	3	Comments:	healthy since transplant
Rating Aug.:	2.5	Comments:	healthy, few flowers
Rating Sept.:	3	Comments:	plants healthy but irregular

 # Planted: 14

Additional Comments: Very uniform in habit in midsummer, nice color range in flowers, flowers large and fully double.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Dianthus	Sunflor Kaylee	Dummen Orange	burgundy and white	H: 5.5 W: 8.5	2017

Rating June:	3	Comments:	healthy
Rating July:	3	Comments:	small but healthy since transplant
Rating Aug.:	2.7	Comments:	small, but floriferous
Rating Sept.:	2.5	Comments:	healthy and mostly uniform

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Sombrero® Sangrita	Darwin Perennials	plum	H: 24.5 W: 20	2017

Rating June:	4	Comments:	started budding in greenhouse
Rating July:	4	Comments:	awesome bright orangy red flowers
Rating Aug.:	3.3	Comments:	intensely brilliant flowers, healthy plants are mostly uniform, aster yellows present
Rating Sept.:	5	Comments:	floriferous with healthy lush foliage, some aster yellows

 # Planted: 9

Additional Comments: Uniform and compact habit with good vigor in early summer. Flowers fade quickly.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Sombrero® Granada Gold	Darwin Perennials	gold	H: 21 W: 17	2017

Rating June:	3	Comments:	started budding in greenhouse
Rating July:	4	Comments:	some lodging, started blooming in greenhouse
Rating Aug.:	2.7	Comments:	aster yellows present
Rating Sept.:	4	Comments:	vigorous and floriferous, aster yellows

 # Planted: 9

Additional Comments: Uniform with numerous pollinators in early summer. Shows good vigor through season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Sombrero® Lemon Yellow Improved	Darwin Perennials	yellow	H: 16.5 W: 18.5	2017

Rating June:	3	Comments:	started budding in greenhouse
Rating July:	3	Comments:	some lodging, started blooming in greenhouse
Rating Aug.:	2.7	Comments:	aster yellows present
Rating Sept.:	4	Comments:	one plant looks like different variety, some aster yellows

 # Planted: 9

Additional Comments: Uniform with numerous pollinators in early summer. Flowers fade over time. Shows good vigor through season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea	Butterfly™ Rainbow Marcella	Plants Nouveau	light orange to rose	H: 28 W: 23	2017

Rating June:	2	Comments:	healthy, started budding in greenhouse
Rating July:	3	Comments:	some lodging, flowers open orange and change to pink in center, then entire flower giving the rainbow effect
Rating Aug.:	2.2	Comments:	aster yellows present
Rating Sept.:	4	Comments:	beautiful erect plants with large flower heads, but all show symptoms of aster yellows

 # Planted: 9

Additional Comments: Uniform in early summer. Petal burn on most flowers.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Echinacea purpurea	Green Twister	Jelitto Perennial Seeds	green and purple	H: 26 W: 18.5	2017

Rating June:	2	Comments:	not planted yet, too small
Rating July:	2	Comments:	healthy, small
Rating Aug.:	1.2	Comments:	petals just starting to expand
Rating Sept.:	3.5	Comments:	plants somewhat irregular, finally starting to bloom, with huge 5" flowers, but now have aster yellows

 # Planted: 9

Additional Comments: Uniform with good green foliage through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Epimedium	Dark Beauty	Eason Horticulture Resources	light pink	H: 6.5 W: 10.5	2017

Rating June:		Comments:	not planted yet, late arrival
Rating July:	2	Comments:	planted today, all look healthy
Rating Aug.:	1	Comments:	no new growth since planting, some insect or slug damage
Rating Sept.:	1	Comments:	no new growth since transplant, some insect damage

 # Planted:

Additional Comments: Low vigor and few flowers through season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Gaillardia	Spintop Red	Dummen Orange	red	H: 18 W: 24.5	2017

Rating June:	4	Comments:	vigorous, healthy, started blooming in greenhouse
Rating July:	4	Comments:	healthy, started blooming in greenhouse, plants vigorous and uniform
Rating Aug.:	3.8	Comments:	extraordinarily uniform dense mounds, even flower cover with deep red petals
Rating Sept.:	4.5	Comments:	dense, uniform, floriferous, with bright flower color

 # Planted: 9

Additional Comments: Uniform and compact with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Gaillardia	Galya™ Yellow	Danziger	yellow with gold center	H: 16 W: 23.5	2017

Rating June:	4	Comments:	healthy, started blooming in greenhouse
Rating July:	3	Comments:	healthy, started blooming in greenhouse
Rating Aug.:	4	Comments:	mostly unoform, floriferous
Rating Sept.:	4	Comments:	one plant melting out, others dense and floriferous

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Some flowers buried in foliage.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Gaillardia	Galya™ Wild Fire	Danziger	red with yellow tips	H: 11.5 W: 17	2017

Rating June: 3 Comments: healthy, started blooming in greenhouse
Rating July: 4 Comments: healthy, started blooming in greenhouse
Rating Aug.: 3 Comments: floriferous
Rating Sept.: 3.5 Comments: somewhat irregular, flowers are bright
 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Some flowers buried in foliage.

Gaillardia	Spintop Orange Halo	Dummen Orange	red with yellow tips	H: 14 W: 22.5	2017

Rating June: 3 Comments: healthy, started blooming in greenhouse
Rating July: 4 Comments: healthy, started blooming in greenhouse
Rating Aug.: 3.2 Comments: extraordinarily uniform dense mounds, even flower cover
Rating Sept.: 4 Comments: one plant very pale, others uniform and floriferous
 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Some flowers buried in foliage.

Gaillardia	Galya™ Blazing Sun	Danziger	yellow with dark red center	H: 10.5 W: 14.5	2017

Rating June: 3 Comments: dried out in beds slightly afternplanting, recovered, but look a little sad
Rating July: 4 Comments: healthy, started blooming in greenhouse
Rating Aug.: 2.7 Comments: irregular, low vigor, wilt at midday most days
Rating Sept.: 3 Comments: plants sparse and irregular
 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Some flowers buried in foliage.

Gaura	Grace™ Blush	Danziger	pale pink	H: 27 W: 33	2017

Rating June: 3 Comments: dense, started blooming in greenhouse
Rating July: 3 Comments: vigorous and uniform since planting
Rating Aug.: 3.5 Comments: small tight mounds with reddish foliage, sparse flower cover
Rating Sept.: 4 Comments: dense, compact mounds covered in flowers
 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Gaura	Grace™ Haze	Danziger	white	H: 52 W: 53.5	2017

Rating June: 3 Comments: healthy, vigorous, started blooming in greenhouse
Rating July: 4 Comments: healthy
Rating Aug.: 3.7 Comments: very vigorous and floriferous, tall graceful flower stalks, no lodging
Rating Sept.: 4.5 Comments: giant, uniform and floriferous
 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Gypsophila	Festival™ White Flare	Danziger	white	H: 14 W: 21	2017

Rating June:	4	Comments:	started blooming in greenhouse, plants flop at crown
Rating July:	3	Comments:	started flowering in greenhouse, almost done
Rating Aug.:	2.7	Comments:	plants not uniform, reblooming after deadheading
Rating Sept.:	3	Comments:	flower cover irregular, but plants look healthy

 # Planted: 9

Additional Comments: Compact with numerous flowers and many butterflies in early summer. Requires deadheading through season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Gypsophila	Festival™ Pink Splash	Danziger	pale pink	H: 7 W: 18.5	2017

Rating June:	3	Comments:	started blooming in greenhouse
Rating July:	4	Comments:	started flowering in greenhouse, continuing to send up more
Rating Aug.:	2.8	Comments:	fairly uniform, low mounds, continuing to bloom sparsely but with even distribution
Rating Sept.:	3	Comments:	very uniform plants with sparse but even flower cover

 # Planted: 9

Additional Comments: Uniform and compact and attracts many butterflies through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Helenium	Mariachi™ Bandera	Plants Nouveau	red and orange	H: 15.5 W: 14.5	2017

Rating June:	2	Comments:	some chlorosis
Rating July:	3	Comments:	bright orange and red flowers started blooming in greenhouse
Rating Aug.:	3	Comments:	new basal growth, flowers fading
Rating Sept.:	2	Comments:	older foliage is bronzing, new basal growth healthy and green

 # Planted: 9

Additional Comments: Compact and uniform through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Helianthus	Autumn Gold	Darwin Perennials	golden yellow	H: 17 W: 22	2017

Rating June:	2	Comments:	healthy, uniform
Rating July:	2	Comments:	healthy and uniform since transplant
Rating Aug.:	2	Comments:	uniform and vigorous, lots of buds
Rating Sept.:	3.5	Comments:	dense and uniform, just starting to flower

 # Planted: 9

Additional Comments: Uniform habit and dark green foliage through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heuchera	NORTHERN EXPOSURE™ Lime	Terra Nova Nurseries	lime green	H: 7.5 W: 16.5	2017

Rating June:	3	Comments:	healthy
Rating July:	2	Comments:	some leaf spot developing since transplant
Rating Aug.:	2	Comments:	very uniform and luminous
Rating Sept.:	1.5	Comments:	uniform, bright green, some insect damage

 # Planted: 18

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heuchera	NORTHERN EXPOSURE™ Amber	Terra Nova Nurseries	lime green/light yellow	H: 20 W: 14.75	2017

Rating June:	3	Comments:	healthy
Rating July:	2	Comments:	healthy since transplant
Rating Aug.:	3.8	Comments:	very uniform plants, only 3 flowering
Rating Sept.:	3	Comments:	uniform and vigorous since transplant, flower stalks very tall

 # Planted: 18

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Heuchera	NORTHERN EXPOSURE™ Silver	Terra Nova Nurseries	pale pink	H: 24 W: 17.5	2017

Rating June:		Comments:	not planted yet, too small
Rating July:	4	Comments:	healthy and vigorous since transplant
Rating Aug.:	4.3	Comments:	very uniform with full flower cover
Rating Sept.:	4	Comments:	uniform and vigorous since transplant, flower stalks very tall

 # Planted: 18

Additional Comments: Uniform with grey-green foliage.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Hibiscus	SUMMERIFIC® Cherry Choco Latte	Walters Gardens, Inc. /Proven Winners®	light pink with red eye	H: 39.5 W: 29.25	2017

Rating June:	2	Comments:	vigorous, started budding in greenhouse
Rating July:	3	Comments:	healthy, started blooming in greenhouse, stems erect with attractive dark red leaf
Rating Aug.:	1.5	Comments:	healthy starting to bloom again after first flush initiated in greenhouse
Rating Sept.:	2	Comments:	healthy, done blooming

 # Planted: 5

Additional Comments: Attractive foliage, good vigor, and buds early in summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Iberis	Snowsation	Darwin Perennials	white	H: 7 W: 13.5	2017

Rating June:	2	Comments:	healthy
Rating July:	2	Comments:	lots of lush green growth since transplant
Rating Aug.:	1.3	Comments:	becoming more dense and uniform over the season, healthy lush green foliage
Rating Sept.:	1.5	Comments:	becoming more uniform, lush green shiny foliage

 # Planted: 14

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Kniphofia	Mango Popsicle™	Terra Nova Nurseries	orange with yellow throat	H: 41 W: 36.5	2017

Rating June:	2	Comments:	foliage is floppy
Rating July:	3	Comments:	started blooming in greenhouse, flowers are mango orange that is bright yellow toward center of stalk, giving a glowing appearance
Rating Aug.:	3.8	Comments:	vigorous, with upright flower stalks, reblooming since deadheaded
Rating Sept.:	3.5	Comments:	vigorous, erect plants with vibrant flowers

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Kniphofia	Redhot Popsicle™	Terra Nova Nurseries	dark orange	H: 34 W: 39	2017

Rating June: 3 Comments: foliage is floppy
Rating July: 3 Comments: started blooming in greenhouse, flowers a vibrant dark orange
Rating Aug.: 2.3 Comments: vigorous, with upright flower stalks, reblooming since deadheaded
Rating Sept.: 3.5 Comments: vigorous and floriferous

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lamium	Lami™ Dark Purple	Danziger	purple	H: 6 W: 17.75	2017

Rating June: 2 Comments: healthy, bloomed and deadheaded in greenhouse
Rating July: 2 Comments: healthy since transplant
Rating Aug.: 2.8 Comments: healthy with even flower cover
Rating Sept.: 3 Comments: small yet, maybe getting too much sun/heat next to stone wall

 # Planted: 18

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lamium	Lami™ Mega Purple	Danziger	light purple	H: 8 W: 34.5	2017

Rating June: 2 Comments: healthy, bloomed and deadheaded in greenhouse
Rating July: 2 Comments: healthy since transplant
Rating Aug.: 1.8 Comments: open in center, some reddening of leaves, too much sun?
Rating Sept.: 3.5 Comments: vigorously filling in

 # Planted: 18

Additional Comments: Uniform with good vigor through summer. Few flowers and variable vigor into late summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Leucanthemum	White Magic	Darwin Perennials	white	H: 20 W: 26	2017

Rating June: 3 Comments: vigorous, started blooming in greenhouse
Rating July: 3 Comments: healthy, started blooming in greenhouse
Rating Aug.: 2 Comments: one plant died, remaining plants irregular and stressed, wilt almost every day
Rating Sept.: 3 Comments: plants irregular with areas melted out

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Late season growth weak and lacked vigor.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Leucanthemum	Sweet Daisy Christine	Dummen Orange	white	H: 19 W: 21.5	2017

Rating June: 3 Comments: healthy, started blooming in greenhouse
Rating July: 4 Comments: healthy, started blooming in greenhouse
Rating Aug.: 3.7 Comments: plants somewhat irregular, good flower cover
Rating Sept.: 4.5 Comments: dense, uniform, complete flower cover, one plant in row melted out, others look amazing

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

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*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Leucanthemum	Lucille™ Chic	Danziger	white	H: 18.5 W: 22.5	2017

Rating June: 3 Comments: healthy, started blooming in greenhouse
Rating July: 2 Comments: healthy, deadheaded last week, lots of new vegetative growth
Rating Aug.: 3 Comments: dense flower cover on uniform plants, lovely overall impact
Rating Sept.: 4 Comments: dense and floriferous

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Leucanthemum	Lucille™ White	Danziger	white	H: 18 W: 22	2017

Rating June: 3 Comments: healthy, started blooming in greenhouse
Rating July: 3 Comments: mostly deadheaded
Rating Aug.: 3.8 Comments: mostly unoform, floriferous
Rating Sept.: 3.5 Comments: plants opening in center slightly

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lewisia	CONSTANT™ Coral	Terra Nova Nurseries	coral	H: 4 W: 7.5	2017

Rating June: 2 Comments: bloomed in greenhouse, deadheaded
Rating July: 2 Comments: started blooming in greenhouse, deadheaded before planting, reblooming now
Rating Aug.: 1.77 Comments: some leaf spot and reddening of lower leaves
Rating Sept.: 1 Comments: some leaf spot, little new growth since planting

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Lupinus	Westcountry™ Blacksmith	Eason Horticulture Resources	violet	H: 10 W: 20.5	2017

Rating June: 2 Comments: healthy
Rating July: 2 Comments: healthy since transplant
Rating Aug.: 2 Comments: dense green mounds of foliage
Rating Sept.: 2 Comments: uniform plants, minor chlorosis

 # Planted: 18

Additional Comments: Uniform with good vigor through summer. Slightly chlorotic later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Miscanthus	Bandwidth	Darwin Perennials		H: 26 W: 24	2017

Rating June: 2 Comments: healthy
Rating July: 2 Comments: some foliage burn
Rating Aug.: 1.2 Comments: one row covered by neighbor, visible plants look great
Rating Sept.: 1.5 Comments: uniform with nice banding

 # Planted: 12

Additional Comments: Uniform habit and very compact through summer.

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*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Pocahontas White Blush	Dummen Orange	light pink	H: 22 W: 19	2017

Rating June: 2 Comments: healthy, uniform
Rating July: 2 Comments: healthy since transplant
Rating Aug.: 2 Comments: mildew starting
Rating Sept.: 1.5 Comments: some mildww on lower stems

 # Planted: 9

Additional Comments: Compact and uniform habit with good vigor through summer. No powdery mildew in August. Some powdery mildew very late in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Pocahontas Pink	Dummen Orange	pink	H: 17 W: 26.5	2017

Rating June: 2 Comments: healthy, uniform
Rating July: 2 Comments: healthy since transplant
Rating Aug.: 2 Comments: moderate powdery mildew
Rating Sept.: 1.5 Comments: severe mildew on lower stems

 # Planted: 9

Additional Comments: Compact and uniform habit with good vigor through summer. No powdery mildew in August. Some powdery mildew very late in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Pochahontas Red Rose	Dummen Orange	scarlet	H: 13 W: 17	2017

Rating June: 2 Comments: healthy, just starting to bud
Rating July: 3 Comments: healthy since transplant
Rating Aug.: 2.5 Comments: very minor powdery mildew
Rating Sept.: 3.5 Comments: almost no mildew, compact growth habit

 # Planted: 9

Additional Comments: Compact and uniform habit with good vigor through summer. Earliest to flower of series. No powdery mildew in August.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Pochahontas Purple Rose	Dummen Orange	light purple	H: 13 W: 15.75	2017

Rating June: 2 Comments: healthy, just starting to bud
Rating July: 3 Comments: healthy since transplant, one plant flowering, looks like red rose color
Rating Aug.: 2.2 Comments: moderate powdery mildew, chlorosis
Rating Sept.: 3 Comments: chlorotic with mildew, compact growth habit

 # Planted: 9

Additional Comments: Compact and uniform habit with good vigor through summer. Some chlorosis later in season. Heavily covered in powdery mildew later in the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Monarda	Bee-You™ Bee-Merry	Plants Nouveau	bright pink	H: 16 W: 24.5	2017

Rating June: 2 Comments: healthy
Rating July: 2 Comments: healthy since transplant
Rating Aug.: 2 Comments: powdery mildew severe on fowering stalks, minor elsewhere
Rating Sept.: 1 Comments: severe mildew, large vibrant pink flowers

 # Planted: 9

Additional Comments: Uniform and compact with good vigor through summer. No powdery mildew in August.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Mukgenia	Nova™ Flame	Terra Nova Nurseries	dark pink	H: 7 W: 12.75	2017

Rating June: 2 Comments: healthy
Rating July: 2 Comments: healthy lush foliage
Rating Aug.: 1.8 Comments: a few leaves dying throughout
Rating Sept.: 1.5 Comments: a few crispy or chlorotic leaves, mostly lush and shiny

 # Planted: 18

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Nepeta	Aroma Violet	Danziger	purple	H: 20 W: 26.5	2017

Rating June: 3 Comments: uniform
Rating July: 4 Comments: healthy since transplant
Rating Aug.: 4.2 Comments: floriferous, some chlorosis
Rating Sept.: 3.5 Comments: uniform and floriferous with minor chlorosis

 # Planted: 9

Additional Comments: Uniform and compact through summer. Good silver/green foliage color. Good vigor through end of the season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Phlox	Cherry Cream	Darwin Perennials	light pink with dark eye	H: 15 W: 13	2017

Rating June: 2 Comments: started blooming in greenhouse
Rating July: 3 Comments: healthy, started blooming in greenhouse
Rating Aug.: 2.8 Comments: chlorotic, some mildew
Rating Sept.: 2 Comments: chlorotic and covered in mildew

 # Planted: 18

Additional Comments: Uniform habit in early summer. Chlorotic with modest vigor through summer. Some powdery mildew.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Rudbeckia	American Gold Rush	Intrinsic Perennial Gardens	yellow	H: 25.5 W: 28.5	2017

Rating June: 4 Comments: started blooming in greenhouse
Rating July: 5 Comments: very uniform, started blooming in greenhouse
Rating Aug.: 4.7 Comments: initial flowers starting to fade, many secondary buds, uniform plants
Rating Sept.: 4 Comments: vigorous, with second flush of blooms held above deadheads of first flush

 # Planted: 9

Additional Comments: Very early flowers with good vigor and uniform habit through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Rose Marvel	Darwin Perennials	deep pink	H: 16 W: 19	2017

Rating June: Comments: not planted yet, too small
Rating July: 4 Comments: healthy since transplant
Rating Aug.: 3.7 Comments: flower color is awesome with pink and a hint of purple, insect damage present
Rating Sept.: 3.5 Comments: rich flower color, leaf hopper damage

 # Planted:

Additional Comments: Medium vigor with uniformity through summer.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Shangri-la sage	Plant Select®	lavender	H: 13.5 W: 31.5	2017

Rating June: 2 Comments: chlorotic, new growth looks good, bloomed and deadheaded in greenhouse
Rating July: 2 Comments: bloomed in greenhouse, deadheaded, putting on new growth since planted out
Rating Aug.: 2.2 Comments: vigorous with huge foliage
Rating Sept.: 1.5 Comments: huge silvery foliage, vigorous and healthy

 # Planted: 9

Additional Comments: Uniform with good vigor in early summer. Very large silvery leaves.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Sallyrosa™ Jumbo Pink	Danziger	pink	H: 19 W: 26.5	2017

Rating June: 2 Comments: bloomed in greenhouse, some chlorosis
Rating July: 3 Comments: some lodging
Rating Aug.: 3.7 Comments: insect damage, some lodging
Rating Sept.: 3.5 Comments: plants lodged and open, some chlorosis

 # Planted: 10

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	Spring King	Dummen Orange	violet	H: 22 W: 23	2017

Rating June: 2 Comments: bloomed in greenhouse
Rating July: 4 Comments: very upright flower stalks
Rating Aug.: 2.8 Comments: severe insect damage
Rating Sept.: 3 Comments: plants upright, leaf hopper damage

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Salvia	April Night	Danziger	royal purple	H: 19.5 W: 19.75	2017

Rating June: 2 Comments: bloomed in greenhouse, deadheaded
Rating July: 4 Comments: healthy, since transplant
Rating Aug.: 3.2 Comments: severe insect damage
Rating Sept.: 2 Comments: leaf hopper damage, minor lodging

 # Planted: 9

Additional Comments: Uniform with good vigor through summer.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Scrophularia	Cardinale™ Red	Terra Nova Nurseries	scarlet	H: 14.5 W: 23.25	2017

Rating June: Comments: not planted yet, too small
Rating July: 3 Comments: healthy, started blooming in greenhouse
Rating Aug.: 2.7 Comments: uniform, plants and flower cover
Rating Sept.: 4 Comments: floriferous with healthy lush foliage

 # Planted: 9

Additional Comments: Compact and uniform through summer.

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*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of 2017 Size, Hardiness Data and Comments for 2017

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Sedum	Peace and Joy	Intrinsic Perennial Gardens	pink	H: 11 W: 18	2017

Rating June: 3 Comments: started blooming in greenhouse, flopped at crown
Rating July: 3 Comments: stems lodged, started flowering in greenhouse
Rating Aug.: 2.8 Comments: floppy, but healthy, putting up secondary blooms since previous flush initiated in greenhouse
Rating Sept.: 3 Comments: second flush of flowers since planting

 # Planted: 9

Additional Comments: Uniform and has many buds, attracts many butterflies in early summer. Lodged later in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Veronica	Ronica™ Blue	Danziger	blue	H: 26 W: 18	2017

Rating June: 2 Comments: lush, uniform
Rating July: 3 Comments: very lush shiny green foliage
Rating Aug.: 3 Comments: deep green glossy foliage, just barely showing signs of powdery mildew
Rating Sept.: 3.5 Comments: upright with very tall primary flower stalks (10+ inches) minor mildew

 # Planted: 9

Additional Comments: Uniform with good vigor through summer. Few flowers late in season.

Genus	Common Name	Company	Color	Height and Width on 09/12	Year Planted
Veronica	Ronica™ Fuchsia	Danziger	dark pink	H: 21 W: 18	2017

Rating June: 2 Comments: started blooming in greenhouse
Rating July: 4 Comments: very lush shiny green foliage, bloomed in greenhouse, deadheaded, starting to put up new buds
Rating Aug.: 4 Comments: severe powdery mildew
Rating Sept.: 3.5 Comments: severe mildew, flowers still very bright

 # Planted: 10

Additional Comments: Uniform with good vigor through summer. Showed some powdery mildew later in season.

*Height and width measurements in inches.

Rating Scale: 5=Excellent, 4=Good, 3=Average, 2=Below Average, 1=Poor, 0=Dead/None. Average ratings based on evaluations by Perennial subcommittee members.

Percent survived is based on plants surviving from initial planting.

Class of: 2017

Coordinator Plant and Flower Ratings for 2017

Genus	Common Name		6/7	6/19	7/3	7/17	7/31	8/14	8/28	9/10	9/29	Average
Agastache	Morello	P	4	3	4	4	3	3	3.5	3	3	3.4
		F	4	3.5	4	4	2	5	4.5	5	4	4
Allium	Millenium	P		3	3	4	4	5	4	4	4	3.4
		F		0	2	3	3	1	1	2	1	1.4
Amsonia tabernaemontana	Storm Cloud	P	3	2	2.5	3	2	2	2	2	1	2.2
		F	0	0	0	0	0	1	0	0	0	0.1
Armeria	Dreameria™ Daydream	P	4	3	3	3.5	5	4	4	4	4.5	3.9
		F	2	4	3	3	3	4	2	3	2	2.9
Armeria	Dreameria™ Sweet Dreams	P	4	3	4	4	5	4	4	4	5	4.1
		F	4	3	2	3	2	1	1.5	2	1	2.2
Asclepias tuberosa	Blonde Bombshell	P	3	2	2	3	2	3	2	2	2	2.3
		F	2	1	1	0.5	1	2	2	1	1	1.3
Brunnera	Sea Heart	P	4	3	3	4	4	4	4.5	5	5	4.1
		F	0	0	0	0	0	0	0	0	0	0
Campanula	Adansa White	P	3	3	3	3	3	3	3	3	2.5	2.9
		F	3	2.5	2	3	2	3	2.5	2	2	2.4
Campanula	Adansa Pink	P	3	3	3	3	3	2	3	3	3	2.9
		F	2	1	1	2	3	4	3.5	3	2.5	2.4
Campanula	Ambella White	P	3	3	4	5	4.5	4	4.5	5	5	4.2
		F	4	3	2	3	3	5	4	3.5	3	3.4
Campanula	Adansa Purple	P	3	3	3	3.5	3	3	3	3.5	4	3.2
		F	2	0.5	0	3	3	4	3.5	3.5	3.5	2.6
Campanula	Ambella Dark Blue	P	3	3	3	4	4	4	4	4.5	4.5	3.8
		F	3	2	2	3	3	5	4	3.5	3	3.2
Coreopsis	Little Bang™ Starbright	P	4	3	4	4	3	3	3	3	3	3.3
		F	0	1	1	1	1	2	2	2.5	3	1.5
Coreopsis	Solanna™ Glow	P	3	3	3	3.5	3	3	3.5	3.5	3	3.2
		F	4	3	4	4	3.5	5	4	4	3	3.8
Coreopsis	Rosanna	P	4	3	4	4	4	5	4	4	3	3.9
		F	2	2	3	4	4.5	4	3	3	2	3.1

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Coordinator Plant and Flower Ratings for 2017

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Coreopsis	Gilded Lace	P	3	3	3	4	3	5	3	3	3	3.3
		F	3	2	3	4	4	5	3.5	3.5	4	3.6
Coreopsis	Solanna™ Golden Crown	P	3	3	3	4	3	4	3	3	4	3.3
		F	3	2	3.5	4	3	5	2	3.5	2	3.1
Coreopsis	SunKiss	P	4	3	3	3.5	3	4	3	3.5	3	3.3
		F	1	1	2	2	2.5	5	3	4	3	2.6
Coreopsis	Little Bang™ Starstruck	P	3	3	3	3.5	3	4	3	3	3	3.2
		F	3	3.5	4	4	4	4	3.5	3.5	3	3.6
Coreopsis	Solanna™ Golden Sphere	P	3	3	4	5	4.5	4	4	4	4	3.9
		F	2	2	2	2	2.5	4	3	4	3	2.7
Delosperma	Stireman Raspberry	P	3	3.5	3	4	4.5	5	4.5	4.5	4.5	4.1
		F	0	0	1	3	3	4	3	2	1	1.9
Delosperma	Stireman Orange	P	3	3	3	4	4	4	4	3.5	3	3.5
		F	0	0	1	1	2	3	3	2	2	1.6
Dianthus	American Pie™ Georgia Peach Pie	P	4	3	3	3	4	4	2	2	2	3
		F	3	2	2	0.5	1	1	1	1	1	1.4
Dianthus	Sunflor Esmay	P	3	2.5	3	3	3.5	3	3	2.5	2	2.8
		F	3	1	3	3	2	3	3.5	3	2	2.6
Dianthus	Mountain Frost™ White Twinkle	P	4	3	3	3.5	4	4	4	4	3	3.6
		F	4	3	2.5	3	4	5	3.5	3	3	3.4
Dianthus	Mountain Frost™ Pink Twinkle	P	4	3	4	4.5	5	5	3	3.5	2	3.8
		F	2	3	3	4	4	4	3	3	3	3.2
Dianthus	Mountain Frost™ Pink PomPom	P	4	3	4	5	5	5	5	5	4	4.4
		F	4	3	4	4	5	5	4	3.5	4	4.1
Dianthus	Mountain Frost™ Pink Carpet	P	4	3.5	4	5	5	5	4.5	4	2	4.1
		F	3	2.5	3	2	2	3	2.5	3	2	2.6
Dianthus	Mountain Frost™ Rose Bouquet	P	4	3	4	4	4.5	5	4	4.5	4	4.1
		F	2	3	5	3	2	1	1	3	4	2.7

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Dianthus	Sunflor Abby	P	3	3	3	3.5	3.5	4	3	3	3	3.2
		F	5	3	3	4	4	2	2	2	3	3.1
Dianthus	Flow™ Grace Bay	P	3	3	3	3	3	3	3	3	2.5	2.9
		F	2	2.5	3	4	3	2	1.5	1.5	1	2.3
Dianthus	Mountain Frost™ Silver Strike	P	4	3	4	3.5	4	4	4.5	4.5	5	4.1
		F	4	3.5	2	3	3	4	3.5	3	2	3.1
Dianthus	Sunflor Mimi	P	3	3	3	3	3.5	4	3	3.5	3	3.2
		F	4	2.5	3	3	3	4	2	2.5	2	2.9
Dianthus	Kahori Pink	P	3	3	3	3	4	2	3.5	3.5	4	3.2
		F	3	2	3	4	3.5	3	2.5	3.5	4	3.2
Dianthus	Kahori Scarlet	P	3	3	3	3.5	3.5	3	3.5	3.5	3	3.2
		F	3	3	4	4	3.5	2	2	2.5	3	3
Dianthus	Flow™ Punta Cana	P	3	2.5	3	2.5	2.5	2	2.5	2.5	2	2.5
		F	3	3	3		2	3	2	1	1	2
Dianthus	Flow™ Blinky Beach	P	3	3	3	3	3	3	3	3	2.5	2.9
		F	3	2	2	3	3	3	2	2	1	2.3
Dianthus	Rockin'™ Red	P	3	2.5	3	4	3.5	3	3	4	4	3.3
		F	0	1	3	4	3.5	5	4.5	5	4.5	3.4
Dianthus	Sunflor Desire	P	4	3	4	3	4	4	4	4	4	3.8
		F	4	3	3	3	3	3	1	2.5	3	2.8
Dianthus	Odessa Joelle	P	4	3	4	4	4	5	3	4	4	3.9
		F	1	3	1	2	2.5	1	1	1	1	1.5
Dianthus	Flow™ Crane Beach	P	3	2	3	3	3	3	3	3	3	2.9
		F	2	2.5	2.5	3	2	2	2	2	1	2.1
Dianthus	Sunflor Nora	P	3	3	3	3	3.5	4	3	2.5	3	3.1
		F	4	2	2	2.5	3	4	3	3	2	2.8
Dianthus	Odessa Amy	P	4	3	3	3	4	4	3.5	3.5	2	3.3
		F	4	3.5	2	2.5	3	4	2	2.5	3	2.9
Dianthus	Sunflor Megan	P	3	3	3	3	3	2	2.5	3	3	2.8
		F	4	2	2	3	3	4	2	3	2	2.8

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Dianthus	Olivia Bella	P	2	2	2	2.5	2.5	3	3	3	3	2.6
		F	2	2	3	4.5	4	4	3	3.5	4	3.3
Dianthus	Flow™ White Bay	P	3	3	3	3	3	3	3	3	3	3
		F	2	2	2	1	2	3	2	1	1	1.8
Dianthus	Sunflor Kaylee	P	3	2.5	3	2.5	3	2	3	3	2.5	2.7
		F	4	3	3	2	3	3	3	3	2.5	2.9
Echinacea	Sombrero® Sangrita	P	3	3	3	3.5	3.5	4	3	4	4	3.4
		F	1	2	4	4	3.5	3	3	4.5	5	3.3
Echinacea	Sombrero® Granada Gold	P	3.5	3	3	3	4	4	3	4	5	3.6
		F	3	3.5	4	4	3	2	2	3	4	3.2
Echinacea	Sombrero® Lemon Yellow Improved	P	3	2	3	3	3.5	4	3	3.5	4	3.2
		F	3	2	2	3	3	3	2	3	3	2.7
Echinacea	Butterfly™ Rainbow Marcella	P	3	3	3	3	3	3	3	4	3	3.1
		F	1	2.5	4	4	2	1	1.5	3	3	2.4
Echinacea purpurea	Green Twister	P		2.5	3	2.5	3	3	3	3	2	2.4
		F		0	0	0	0	0	1	3	4	0.9
Epimedium	Dark Beauty	P			3	3	3	3	2.5	2.5	2	2.1
		F			0	0	0	0	0	0	0	0
Gaillardia	Spintop Red	P	4	3	4	4	5	5	5	5	4.5	4.4
		F	2	2.5	3	3	3	4	3.5	4	4	3.2
Gaillardia	Galya™ Yellow	P	3	3	3	4	3	5	4	3.5	3	3.5
		F	4	3	3	3	3	4	3	4	4	3.4
Gaillardia	Galya™ Wild Fire	P	3	3	3	3	3	4	3	2.5	3	3.1
		F	2	1.5	4	3.5	3	4	3.5	2.5	2	2.9
Gaillardia	Spintop Orange Halo	P	3	2.5	3	3.5	5	5	5	4	4	3.9
		F	4	1.5	3	3	2	4	3.5	3.5	2.5	3
Gaillardia	Galya™ Blazing Sun	P	3	3	3	3	2.5	3	2.5	3	2	2.8
		F	3	2	4.5	4	3	3.5	2.5	2	2	2.9
Gaura	Grace™ Blush	P	4	3.5	4	4	3.5	5	4	4	3	3.9
		F	1	2	3	1	3	1	2.5	4	2	2.2

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Gaura	Grace™ Haze	P	3	3	3	3.5	4.5	5	4	5	5	4
		F	2	2	3	3	3.5	5	5	5	2	3.4
Gypsophila	Festival™ White Flare	P	3	3	3	3	3	3	3	3	3	3
		F	5	4	1	2	2	2	2.5	3	3	2.7
Gypsophila	Festival™ Pink Splash	P	4	3	3	4	4	4	4	5	5	4
		F	3	3	3	5	5	5	2	2	2	3.3
Helenium	Mariachi™ Bandera	P	3	3	3	3	3	3	3	3	3	3
		F	0	0.5	3	3	4	3	2.5	1	0	1.9
Helianthus	Autumn Gold	P	4	2.5	4	4	5	5	5	4.5	5	4.3
		F	0	0	0	0	0	0	0	1	4	0.6
Heuchera	NORTHERN EXPOSURE™ Lime	P	3	2.5	3	3	3	4	5	4	4	3.5
		F	0	0	0	2	0	0	0	0	0	0.2
Heuchera	NORTHERN EXPOSURE™ Amber	P	4	3	3.5	5	4.5	5	5	5	5	4.4
		F	0	0	0	0	1	1	1	1	1	0.6
Heuchera	NORTHERN EXPOSURE™ Silver	P		3	4	5	5	5	5	5	5	4.1
		F		0	1	5	4	5	4	4	3	2.9
Hibiscus	SUMMERIFIC® Cherry Choco Latte	P	5	3	3	4	3	3	3	3.5	3	3.4
		F	0	2	3	0.5	0	0	1	0	1	0.8
Iberis	Snowsation	P	3	2.5	3	3	3	3	3.5	4	4	3.2
		F	0	0	0	0	0	0	0	0	0	0
Kniphofia	Mango Popsicle™	P	3	3	3	4	3	4	4	4.5	4	3.6
		F	0	3	4	2	3	4	2.5	3	3	2.7
Kniphofia	Redhot Popsicle™	P	3	3	3	4	3.5	4	4	4	4	3.6
		F	3	2	2	1	1	3	3	3	3	2.3
Lamium	Lami™ Dark Purple	P	3	3	3	3	3	4	3	3	3	3.1
		F	2	3.5	1.5	1.5	2	4	3	1	1	2.2
Lamium	Lami™ Mega Purple	P	3	3	3	4	3.5	4	2.5	3	4	3.3
		F	1	0	0	0	0	1	1	1	1	0.6
Leucanthemum	White Magic	P	4	3	3	3.5	2	3	2.5	2.5	3	2.9
		F	5	2.5	3	0.5	1	2	2	2	2	2.2

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Leucanthemum	Sweet Daisy Christine	P	3	3	3	3	4	4	3.5	4	3	3.4
		F	4	3	3.5	3	2	5	4.5	5	4	3.8
Leucanthemum	Lucille™ Chic	P	3	3	3	4	4	4	5	4	3	3.7
		F	4	3	0	0	1	4	5	4.5	2	2.6
Leucanthemum	Lucille™ White	P	3	3	3	3	3	4	4	3.5	3	3.3
		F	4	3	1	0.5	1	5	5	3.5	2	2.8
Lewisia	CONSTANT™ Coral	P	4	3	3	2.5	3	2	2.5	2.5	2.5	2.8
		F	0	2	4	0	1	2	0	0.5	1	1.2
Lupinus	Westcountry™ Blacksmith	P	4	2.5	3	4	4	4	5	3.5	3	3.7
		F	0	0	0	0	0	0	0	0	0	0
Miscanthus	Bandwidth	P	3	3	3	4	3.5	5	3	4	4.5	3.7
		F	0	0	0	0	0	0	0	0	0	0
Monarda	Pocahontas White Blush	P	4	3	4	4	3	3	2.5	3	2	3.2
		F	0	0	0	0	0	0	0	0	0	0
Monarda	Pocahontas Pink	P	4	3	3	3	3	4	2.5	2.5	2	3
		F	0	0	0	0	0	0	0	0	0	0
Monarda	Pochahontas Red Rose	P	4	3	3	3.5	3	4	3	3.5	2	3.2
		F	1	1	3	4	2	0	3	3	3	2.2
Monarda	Pochahontas Purple Rose	P	3	2.5	3	3.5	3	2	2	2.5	2	2.6
		F	1	0.5	1	0.5	2	1	1	1	2	1.1
Monarda	Bee-You™ Bee-Merry	P	4	3	3	3.5	3	3	2	2	2	2.8
		F	0	0	0	0	1	2	2	2	2	1
Mukgenia	Nova™ Flame	P	4	3	3	3	3.5	3	4	3.5	3	3.3
		F	1	0.5	1	0	0	0	0	0	0	0.3
Nepeta	Aroma Violet	P	4	3	3	4	5	4	3	4	3	3.7
		F	2	2	3	2.5	4	5	4	4	4	3.4
Phlox	Cherry Cream	P	3	2	3	3	2	3	2	2.5	2	2.5
		F	2	1	1	3	3	3	2	1.5	1	1.9
Rudbeckia	American Gold Rush	P	5	4.5	4	4	5	4	4	4	4	4.3
		F	3	4.5	5	5	5	5	4	4	5	4.5

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Salvia	Rose Marvel	P			3	3	3	3	3	2.5	2.5	2.2
		F			0	3	4	3	3	3	3	2.1
Salvia	Shangri-la sage	P	2	2.5	3	3	4	4	4	3.5	3.5	3.3
		F	0	0	0	0	0	0	0	0	0	0
Salvia	Sallyrosa™ Jumbo Pink	P	3	3	3	3	4	4	3	2.5	2	3.1
		F	0	2	3	3	3	3	3.5	2.5	2	2.4
Salvia	Spring King	P	3	3	4	3.5	3	4	2.5	2.5	3	3.2
		F	0	1	3	3.5	2	3	2.5	2	1	2
Salvia	April Night	P	3	2.5	3	3.5	4	4	3	2.5	3	3.2
		F	1	1	2	3.5	3	3	1	2	2	2.1
Scrophularia	Cardinale™ Red	P			3	3	3	4	4	4	4	2.8
		F			3	4	3	4	3	4	3	2.7
Sedum	Peace and Joy	P	3	3	3	3	3	3	3	2.5	2	2.8
		F	1	3.5	4	3	4	3	2	3.5	2	2.9
Veronica	Ronica™ Blue	P	4	3	4	3.5	4	4	4	3.5	4	3.8
		F	0	0	0	0.5	1	2	2	2.5	3	1.2
Veronica	Ronica™ Fuchsia	P	4	3	4	4	4.5	4.5	2.5	2	2	3.4
		F	3	0.5	1	3	3	4	3	3	2	2.5

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