2024 SPRING-SUMMER ORNAMENTALS TRIAL: TOP PERFORMERS

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2024 Spring-Summer Ornamentals Trial: Top Performers

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ABSTRACT

Ornamental trials were conducted at the Mississippi Agricultural and Forestry Experiment Station's Truck Crops Branch in Crystal Springs, MS, evaluating 271 entries in the spring and summer of 2024. It included 112 perennials, 59 containerized plants, 98 annuals, and 2 edible entries. Plants were evaluated for their flower coverage, leaf health, and landscape impact and were assigned a rating of 1 to 5, with 5 being the highest score. Of the entries, 153 (56.4%) received a 3.0 or higher rating and performed well throughout the trial period, and 93 (34.3%) received a score of at least 4.0. None of the entries performed at a perfect 5.0 rating. In our consumer preference panel, we had 64 participants select their top three favorite plants in the trial—ones they would consider for purchase at the garden center. *Lobelia* Heatopia[™] Dark Blue and *Hibiscus* Summerific® 'Valentine's Crush' were tied for first place, *Pennisetum* Jade Princess won second place, and *Hibiscus* Summerific® 'All Eyes On Me' won third place.

INTRODUCTION

Companies release new plant material each year. These releases have the potential to outcompete and replace current cultivars and varieties on the market today or can expand the offerings of companies to producers and consumers. They may offer new characteristics, such as improved disease resistance, increased flowering, or novel attributes, such as an altered plant architecture or flower shape. While companies may market plants as having improved performance, this may not be true for each plant in our region. Environmental factors highly influence plant performance. Regional trials provide useful information to commercial producers and plant breeders to aid in the plant selection of annuals and perennials. Trials also help introduce new plant materials to consumers by providing examples of their performance in a local landscape. Additionally, these trials serve as a resource for horticultural professionals, educators, and home gardeners in Mississippi and surrounding areas in the southeastern U.S. This ornamental trial evaluates the performance of various bedding and garden plants in central Mississippi.



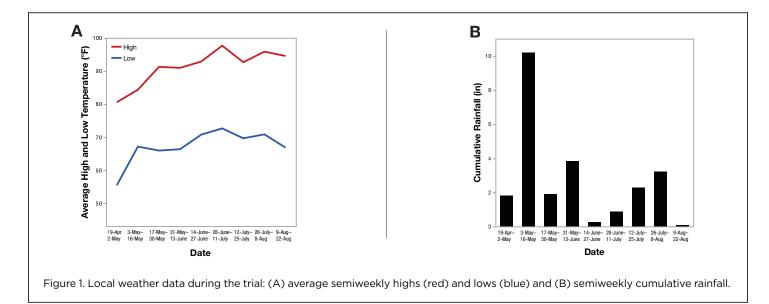
MATERIALS AND METHODS

The ornamental trial of 230 cultivars was conducted at the Mississippi Agricultural and Forestry Experiment Station's Truck Crops Branch in Crystal Springs, Mississippi (USDA Zone 8b). Forty-one entries were trialed under two conditions (e.g., sun vs. shade; inground vs. container). Entries were supplied from Ball FloraPlant, Darwin Perennials, Proven Winners, Selecta One, and Walter's Gardens, as rooted plugs or finished containers. Entries from PanAmerican Seed and Kieft Seed were supplied as seed. Sowing dates were cultivarspecific. Seeds were sown in 72-cell plug trays filled with soilless medium (Pro-Mix BX; Premier Tech, Ltd.). The sowing dates were based on recommended production timelines. Plants requiring longer production were sown in January, while other entries with short production were sown in March. In April, the containerized trial entries were transplanted into 30-cm hanging baskets or 30-cm containers filled with soilless growing medium (Pro-Mix BX; Premier Tech, Ltd.) and grown according to industry recommendations. The annuals and perennials were planted in 20-cm tall, raised boxes containing native soil. Irrigation was supplied through drip tape as needed. No herbicides were applied; weeds were pulled manually. Pesticides were used sparingly on an as-needed basis, such as for fire-ant control.

Semimonthly ratings were based on a 1–5 scale, with 5 representing the best rating. Criteria for the ratings included flower coverage, leaf health, and landscape impact. Ratings correlated with percentages. For example, a flower coverage rating of 5 indicates that at least 90% of the plant's terminal buds were in flower. A leaf health rating of 5 would indicate that at least 90% of the foliage is free of disease symptoms. Ratings were based on trial criteria per cultivar and not comparisons between cultivars (Table 1). Local weather data were collected during the trial (Figure 1).

Consumer preference ratings were based on 64 participants, who were each provided with three utility flags to select plants they would consider purchasing if available. Flags were tallied after the event to identify those with the most votes.

Table 1. Planting trial rating scale						
Score	Description					
5	Excellent - 90%+					
4	Good - 75%+					
3	Fair - 50+					
2	Poor - 25%+					
1	Unacceptable - <25%					



This season's weather was typical for most years, with moderate rainfall in the spring and more sporadic but heavy rainfall in the summer. Summer high temperatures were particularly warm in July. Most entries (153; 56.4%) received a 3.0 or higher rating and performed well throughout the trial period, and 93 entries (34.3%) received a score of at least 4.0. Highlighted below are top-performing cultivars from specific categories that received a score of 4.0 or more (Table 2). A full list of performance ratings for the evaluation criteria was also included (Table 3).

		le 2. Top-performing trial garden entr			
Туре	Rank	Cultivar	Company	Overall Score	
sun perennial Y2	1	Caryopteris Gold Crest	Darwin Perennials	4.9	
shade container	2	Impatiens Beacon® Bright Red	PanAmerican Seed	4.9	
shade container	3	Impatiens Beacon® Otway Mix	PanAmerican Seed	4.9	
shade container	4	Impatiens Beacon® Salmon	PanAmerican Seed	4.9	
shade container	5	Impatiens Beacon® Violet Shades	PanAmerican Seed	4.9	
sun annual	6	<i>Coleus</i> Colorblaze [®] Mini Me™ Chartreuse	Proven Winners	4.8	
sun annual	7	Helianthus Suncredible® Yellow	Proven Winners	4.8	
sun annual	8	<i>Coleus</i> Flamethrower™ Adobo Pink	Ball FloraPlant	4.8	
sun annual	9	Coleus Marble Mania	Ball FloraPlant	4.8	
shade container	10	Impatiens Beacon [®] Chicago Mix	PanAmerican Seed	4.8	
shade container	11	Impatiens Beacon® Coral Improved	PanAmerican Seed	4.8	
shade container	12	Impatiens Beacon® Orange	PanAmerican Seed	4.8	
shade container	13	Impatiens Beacon® Rose	PanAmerican Seed	4.8	
shade container	14	Impatiens Beacon® White Pearl	PanAmerican Seed	4.8	
sun perennial Y1	15	Lantana Lucky™ Gold	Ball FloraPlant	4.8	
sun perennial Y1	16	<i>Coreopsis</i> Uptick™ Gold	Darwin Perennials	4.7	
sun perennial Y1	17	Lantana Passionfruit	Ball FloraPlant	4.7	
sun annual	18	Coleus Colorblaze® Lime Time	Proven Winners	4.7	
shade annual	19	<i>Coleus</i> Colorblaze [®] Mini Me™ Watermelon	Proven Winners	4.7	
sun annual	20	Alternanthera Purple Prince	PanAmerican Seed	4.7	
sun annual	21	Catharanthus Titan-Ium™ Apricot	PanAmerican Seed	4.7	
sun annual	22	Catharanthus Titan-Ium™ Blush	PanAmerican Seed	4.7	
sun annual	23	Catharanthus Titan-Ium™ White	PanAmerican Seed	4.7	
shade container	24	Impatiens Beacon® Lipstick	PanAmerican Seed	4.7	
sun annual	25	Catharanthus Titan-Ium™ Punch	PanAmerican Seed	4.6	
sun perennial Y3	26	Salvia Blue Chill	Ball FloraPlant	4.6	
sun annual	27	<i>Coleus</i> Colorblaze [®] Mini Me™ Watermelon	Proven Winners	4.6	
sun annual	28	Catharanthus Titan-Ium™ Polka Dot	PanAmerican Seed	4.6	
shade container	29	Impatiens Solarscape® XL Lilac Spark	PanAmerican Seed	4.6	
sun container	30	Mandevilla Tourmaline Fuchsia	Ball FloraPlant	4.6	
sun annual	31	Scaevola Whirlwind [®] Blue	Proven Winners	4.6	
sun annual	32	Catharanthus Titan-Ium™ Really Red	PanAmerican Seed	4.6	

Table 2. Top-performing trial garden entries for 2024

Туре	Rank	Cultivar	Company	Overall Score	
sun annual 33		Heliotropium Augusta® Lavender	Proven Winners	4.6	
shade annual	34	<i>Coleus</i> Colorblaze [®] Mini Me [™] Chartreuse	Proven Winners	4.6	
sun container	35	Mandevilla Agate Rose Pink	Ball FloraPlant	4.6	
sun container	36	Mandevilla Agate XXL White	Ball FloraPlant	4.5	
shade annual	37	Coleus Colorblaze® Lime Time	Proven Winners	4.5	
shade container	38	Impatiens Solarscape® XL Pink Jewel	PanAmerican Seed	4.5	
sun perennial Y1	39	Salvia Unplugged [®] White	Proven Winners	4.5	
sun perennial Y1	40	Achillea New Vintage™ Terracotta	Darwin Perennials	4.5	
sun perennial Y1	41	Cuphea Vermillionaire®	Proven Winners	4.5	
sun annual	42	Scaevola Whirlwind® White	Proven Winners	4.5	
sun annual	43	Gomphrena Fireworks	PanAmerican Seed	4.4	
shade annual	44	Impatiens Beacon® Rose	PanAmerican Seed	4.4	
sun perennial Y1	45	Achillea New Vintage™ Violet	Darwin Perennials	4.4	
sun annual	46	Portulaca Mojave® Yellow	Proven Winners	4.4	
shade container	47	Coleus Premium Sun Coral Candy	PanAmerican Seed	4.4	
sun annual	48	<i>Cuphea</i> Enchantia™ White	Ball FloraPlant	4.4	
sun annual	49	Helianthus Suncredible® Saturn	Proven Winners	4.4	
sun perennial Y1	50	Ageratum Monarch Magic	Ball FloraPlant	4.3	
sun annual	51	Catharanthus Titan-Ium™ Dark Red	PanAmerican Seed	4.3	
sun annual	52	Catharanthus Titan-lum™ Mix	PanAmerican Seed	4.3	
shade annual	53	Impatiens Beacon® Salmon	PanAmerican Seed	4.3	
shade annual	54	Impatiens Beacon [®] Violet Shades	PanAmerican Seed	4.3	
sun annual	55	Pennisetum Jade Princess	PanAmerican Seed	4.3	
sun annual	56	<i>Scaevola</i> Stardiva™ White	Proven Winners	4.3	
sun annual	57	Scaevola Whirlwind® Pink	Proven Winners	4.3	
sun perennial Y1	58	<i>Veronica</i> Skyward™ Lilac	Darwin Perennials	4.3	
shade container	59	Coleus Premium Sun Crimson Gold	PanAmerican Seed	4.3	
sun perennial Y2	60	Lagerstroemia Barista® 'Cherry Mocha'	Walter's Gardens	4.3	
sun perennial Y2	61	Lagerstroemia Barista® 'Like A Latte'	Walter's Gardens	4.3	
sun perennial Y1	62	Buddleia Chrysalis™ Pink	Darwin Perennials	4.3	
shade annual	63	Impatiens Beacon® Otway Mix	PanAmerican Seed	4.3	
sun perennial Y2	64	Lagerstroemia Barista® 'Sweet Macciato'	Walter's Gardens	4.3	
sun container	65	Mixmasters™ Passion Project	Ball FloraPlant	4.3	
sun container	66	Begonia Dragon Wing® Pink Bronze Leaf	PanAmerican Seed	4.3	
sun container	78	Angelonia Guardian Angel™ Berry Sparkler	Ball FloraPlant	4.1	
sun annual	79	Heliotropium Aromagica™ Purple	Proven Winners	4.1	
sun perennial Y3	69	Juncus Graceful Grasses® Blue Mohawk	Proven Winners	4.3	
sun container	70	Angelonia Angelflare™ Black	Ball FloraPlant	4.2	

	Tabl	e 2. Top-performing trial garden entri	es for 2024	
Туре	Rank	Cultivar	Company	Overall Score
sun container	71	Lantana Shamrock™ Rose Imp	Ball FloraPlant	4.2
sun perennial Y1	72	Dianthus Jolt™ Pink Magic	PanAmerican Seed	4.2
shade annual	73	Impatiens Beacon® White Pearl	PanAmerican Seed	4.2
sun container	74	Mixmasters™ Summer Splendor	Ball FloraPlant	4.2
sun basket	75	Portulaca Portogrande™ Citrus Crush	Selecta One	4.2
shade annual	76	Impatiens Beacon [®] Coral Improved	PanAmerican Seed	4.2
sun container	77	Lantana Shamrock™ Red	Ball FloraPlant	4.2
sun container	78	Angelonia Guardian Angel™ Berry Sparkler	Ball FloraPlant	4.1
sun annual	79	Heliotropium Aromagica™ Purple	Proven Winners	4.1
sun annual	80	<i>Scaevola</i> Stardiva™ Blue	Proven Winners	4.1
sun container	81	Angelonia Angelflare™ Orchid Pink	Ball FloraPlant	4.1
shade perennial Y3	82	Tradescantia Proven Accents® Purple Queen	Proven Winners	4.1
sun perennial Y1	83	Achillea 'Firefly Fuchsia'	Walter's Gardens/ Proven Winners	4.1
sun basket	84	Portulaca Portogrande™ Lemon Creamsicle	Selecta One	4.1
sun annual	85	Cuphea Totally Tempted™ Watermelon Wine™	Proven Winners	4.1
sun perennial Y3	86	Hibiscus Summerific [®] 'Edge Of Night'	Walter's Gardens/ Proven Winners	4.1
sun perennial Y3	87	Salvia Rockin'® Blue Suede Shoes	Proven Winners	4.1
sun perennial Y1	88	<i>Tecoma</i> Kalama™ Blood Orange	Selecta One	4.0
shade perennial Y2	89	Ordenia 'Fusion Of Fire'	Walter's Gardens	4.0
sun container	90	Begonia Hula™ Red	PanAmerican Seed	4.0
shade annual	91	Impatiens Beacon [®] Orange	PanAmerican Seed	4.0
sun annual	92	<i>Scaevola</i> Stardiva™ Pink	Proven Winners	4.0

Top Consumer Preference Trial Picks

93

Entries that were preferred the most by consumers were *Lobelia* Heatopia[™] Dark Blue and *Hibiscus* Summerific® 'Valentine's Crush' with nine votes. *Pennisetum* Jade Princess was second place with seven votes. *Hibiscus* Summerific® 'All Eyes On Me' received third place with five votes. These entries performed well during the trial and received an overall average score of 3.7 and above across the season. *Pennisetum* was in the top performing varieties, receiving an overall average score of 4.3.

Portulaca Mojave[®] Mango

Proven Winners

4.0

sun annual

In-Ground Annuals

Of the 79 in-ground sun annual entries, thirty-one received a score of at least 4.0, and thirty-three received an overall score above 3.0. Some top performers were *Coleus* ColorBlaze® Mini Me[™] Chartreuse, *Helianthus* Suncredible® Yellow, *Coleus* FlameThrower[™] Adobo Pink, and *Coleus* Marble Mania (overall score of 4.8). *Coleus* ColorBlaze® Lime Time, *Alternanthera* Purple Prince, *Catharanthus* Titan-ium[™] Apricot, *Catharanthus* Titan-ium[™] Blush, and *Catharanthus* Titan-ium[™] all received an overall score of 4.7.



Figure 2. Top performing in-ground annuals. (A) *Coleus* ColorBlaze® Mini Me[™] Chartreuse, the photo was taken 06/28/2024, overall score 4.8; (B) *Helianthus* Suncredible® Yellow, 06/28/2024, 4.8; (C) *Coleus* FlameThrower[™] Adobo Pink, 07/26/2024, 4.8; (D), *Coleus* ColorBlaze® Lime Time 07/12/2024, 4.7; (E) *Alternanthera* Purple Prince 07/12/2024, 4.7; (F) *Catharanthus* Titan-ium[™] Apricot 08/23/2024, 4.7.

Flowering Annuals

The top performing annuals grown for color (flowering) were *Impatiens* Beacon® Bright Red and *Angelonia* Angelface® Blue, both having a perfect score of 5. Other top performing flowering annuals were *Impatiens* Beacon® Chicago Mix, *Impatiens* Beacon® Rose, *Impatiens* Beacon® Violet Shades, and *Impatiens* Beacon® White Pearl with overall flowering scores of 4.8. The *Impatiens* grown in shade did exceptionally well.



Figure 3. Top performing flowering annuals (A) *Impatiens* Beacon® Bright Red, photo taken 06/28/2024, overall flowering score 5; (B) *Angelonia* Angelface® Blue, 07/26/2024, 5; (C) *Impatiens* Beacon® Chicago Mix, 06/28/2024, 4.8.

Containerized Plant Entries

Generally, the containerized plants performed well this year. The *Impatiens* were the best performing in the containers, all receiving an average rating above 4.5. The best performing *Impatiens* varieties include *Impatiens* Beacon® Bright Red, *Impatiens* Beacon® Otway Mix, *Impatiens* Beacon® Salmon, and *Impatiens* Beacon® Violet Shades all receiving an overall rating of 4.9. These varieties of *Impatiens* were grown in shade. *Impatiens* Beacon® was one of the top performing plants across the entire trial, scoring well in all areas. *Coleus* varieties Premium Sun Coral Candy and Sun Crimson Gold also had high ratings of 4.4 and 4.3. Containers were also placed in full sun. Some well performing sun containers were *Mandevilla* Tourmaline Fuchsia, *Mandevilla* Agate Rose Pink, and *Mandevilla* Agate XXL White. These varieties received an overall score of 4.5 or higher.



Figure 4. Top performing containerized plants (A) *Impatiens* Beacon® Salmon, photo taken 05/31/2024, overall flowering score 4.9; (B) *Impatiens* Beacon® Violet Shades 05/31/2024, 4.9; (C) *Coleus* Premium Sun Coral Candy, 05/31/2024, 4.4; (D) *Coleus* Sun Crimson Gold, 06/28/2024, 4.3; (E) *Mandevilla* Tourmaline Fuchsia, 06/28/2024, 4.6; (F) *Mandevilla* Agate Rose Pink, 07/12/2024, 4.6.

Shade Annuals

The top-performing shade annual was *Coleus* ColorBlaze® Mini Me[™] Watermelon with an overall rating of 4.7. *Coleus* ColorBlaze® Mini Me[™] Chartreuse and *Coleus* ColorBlaze® Lime Time were not far behind with overall ratings of 4.6 and 4.5. The next top performing plant was *Impatiens* Beacon® Rose with an overall rating of 4.4. Overall, the shade annuals performed better this year than previous years.



Figure 5. Top performing shade annuals (A) *Coleus* ColorBlaze® Mini Me[™] Watermelon, Photo taken 07/26/2024, Overall score 4.7; (B) *Coleus* ColorBlaze® Mini Me[™] Chartreuse, 06/28/2024, 4.6; (C) *Impatiens* Beacon® Rose, 06/28/2024, 4.4.

Sun Perennials

A total of 112 sun perennials were grown with an average overall rating of 3.3, with 21 plants receiving an overall score of 4.0 or higher. *Caryopteris* Gold Crest was not only the highest overall rate of the sun perennials, but it was the best-performing plant across the entire trial (overall rating of 4.9). The *Caryopteris* is a second-year perennial. The *Lantana* Lucky[™] Gold performed almost as well as the *Caryopteris*, with an overall rating of 4.8. The next best-performing varieties, with an overall rating of 4.7, were *Coreopsis* UpTick[™] Gold and *Lantana* PassionFruit.



Figure 6. Top-performing sun perennials. (A) *Caryopteris* Gold Crest, the photo was taken 06/17/2024, 4.9; (B) *Lantana* Lucky[™] Gold, 08/09/2024, 4.8; (C) *Coreopsis* UpTick[™] Gold, 05/31/2024, 4.7; (D) *Lantana* PassionFruit, 08/09/2024, 4.7.

Shade Perennials

The shade perennials did not perform as well as the sun perennials. Of the four shade perennial cultivars, the overall score was 3.1. Only two varieties out of the total four shade perennials received a score of 4.0 or higher. These include *Tradescantia* Proven Accents® Purple Queen and *Ordenia* 'Fusion of Fire', receiving scores of 4.1 and 4.0. *Tradescantia* is a year three perennial, and *Ordenia* is a year two perennial.



Figure 7. Top performing shade perennials (A) *Tradescantia* Proven Accents® Purple Queen, photo taken 07/26/2024, overall score 4.0; (B) *Ordenia* 'Fusion of Fire', 05/02/2024, 4.0.

Cultivar	Туре	Leaf	Flower	Landscape Impact	Average
Achillea 'Firefly Fuchsia'	sun perennial Y1	4.9	3.9	3.6	4.1
Achillea 'Firefly Red Pop'	sun perennial Y1	4.7	3.5	3.2	3.8
Achillea Milly Rock™ Yellow Terracotta	sun perennial Y3	2.5	2.8	2.2	2.5
Achillea New Vintage™ Terracotta	sun perennial Y1	4.9	4.3	4.3	4.5
Achillea New Vintage™ Violet	sun perennial Y1	4.9	4.1	4.2	4.4
Agastache Meant To Bee™ Queen Nectarine	sun perennial Y3	3.0	3.2	2.9	3.0
Agastache Summerlong™ Lemon	sun perennial Y1	2.8	4.0	2.3	2.8
Ageratum Monarch Magic	sun perennial Y1	2.5	2.4	2.2	2.3
Ageratum Monarch Magic	sun basket	4.8	4.2	4.0	4.3
Alternanthera Purple Prince	sun annual	5.0	5.0	4.3	4.7
Angelonia Angelface [®] Blue	sun annual	5.0	3.1	3.1	3.8
Angelonia Angelface [®] Perfectly Pink	sun annual	4.9	2.9	3.0	3.7
Angelonia Angelface [®] Wedgwood Blue	sun annual	4.9	2.6	2.9	3.6
Angelonia Angelface [®] Wedgwood Pink	sun annual	5.0	2.7	3.1	3.7
Angelonia Angelface [®] White Improved	sun annual	5.0	3.3	3.3	3.9
Angelonia Angelflare™ Black	sun container	5.0	4.2	3.7	4.2
Angelonia Angelflare™ Orchid Pink	sun container	4.8	3.9	3.8	4.1
Angelonia Guardian Angel™ Berry Sparkler	sun annual	5.2	2.3	3.2	3.7
Angelonia Guardian Angel™ Berry Sparkler	sun container	5.0	4.0	3.6	4.1
Angelonia Guardian Angel™ Blue	sun annual	5.1	2.9	3.5	3.9
Angelonia Guardian Angel™ Blue	sun container	5.0	3.0	3.0	3.7
Armeria Dreameria [®] Hypnotic Dreams	sun perennial Y1	2.4	2.0	1.6	2.0
Artemisia 'Silver Lining'	sun perennial Y2	3.2		3.3	3.2
Astilbe 'Dark Side Of The Moon'	sun perennial Y3	4.2	3.0	3.9	3.9
Baptisia 'Grape Escape'	sun perennial Y2	2.3	2.0	2.0	2.1
<i>Begonia</i> Dragon Wing [®] Pink Bronze Leaf	sun container	4.3	4.3	4.2	4.3
<i>Begonia</i> Hula™ Pink	sun annual	3.7	3.5	2.9	3.3
<i>Begonia</i> Hula [™] Pink	sun container	3.8	4.0	3.7	3.8
<i>Begonia</i> Hula [™] Red	sun annual	3.9	3.9	3.6	3.8
<i>Begonia</i> Hula™ Red	sun container	3.9	4.1	4.0	4.0
Begonia Hula™ Red And White Mix	sun annual	4.1	3.8	3.6	3.8
<i>Begonia</i> Hula™ White	sun annual	4.0	3.8	3.6	3.8
<i>Begonia</i> Hula™ White	sun container	3.7	4.0	3.7	3.8
Begonia Space Age™ Black Hole™	shade annual	3.9		3.0	3.4
<i>Begonia</i> Space Age™ Europa™	shade annual	3.8	1.0	2.6	3.2
Begonia Space Age™ Triton™	shade annual	3.8	1.0	2.7	3.3
Buddleia 'Cherry Royale'	sun perennial Y1	2.5	3.1	2.3	2.6

Cultivar	Туре	Leaf	Flower	Landscape Impact	Average
Buddleia Chrysalis™ Pink	sun perennial Y1	5.0	3.8	4.1	4.3
Buddleia Chrysalis™ Steel Blue	sun perennial Y1	3.0	3.1	2.2	2.7
Calibrachoa Minifamous [®] Neo Red Shuffle	sun basket	3.4	3.1	3.1	3.2
Calibrachoa Minifamous® Uno Pink Starfruit	sun basket	2.8	2.8	2.7	2.7
Campanula Mini Marvels™ 'Starbright'	sun perennial Y1	1.7	1.3	1.3	1.4
Caryopteris Emerald Crest	sun perennial Y2	1.1	1.0	1.1	1.1
Caryopteris Gold Crest	sun perennial Y2	5.0	4.4	4.9	4.9
Catharanthus Titan-Ium™ Apricot	sun annual	5.0	4.6	4.4	4.7
<i>Catharanthus</i> Titan-lum™ Blush	sun annual	5.0	4.6	4.4	4.7
Catharanthus Titan-lum™ Dark Red	sun annual	4.3	4.3	4.3	4.3
<i>Catharanthus</i> Titan-lum™ Mix	sun annual	4.3	4.3	4.3	4.3
<i>Catharanthus</i> Titan-Ium [™] Polka Dot	sun annual	4.7	4.7	4.4	4.6
Catharanthus Titan-lum™ Punch	sun annual	5.0	4.5	4.4	4.6
Catharanthus Titan-Ium™ Really Red	sun annual	4.8	4.5	4.4	4.6
Catharanthus Titan-lum™ White	sun annual	5.0	4.6	4.4	4.7
<i>Coleus</i> Colorblaze [®] Lime Time	sun annual	5.0	3.0	4.8	4.5
<i>Coleus</i> Colorblaze [®] Lime Time	shade annual	4.9	2.5	4.9	4.7
<i>Coleus</i> Colorblaze [®] Mini Me™ Chartreuse	sun annual	5.0	3.5	4.8	4.6
<i>Coleus</i> Colorblaze [®] Mini Me™ Chartreuse	shade annual	4.8		4.9	4.8
<i>Coleus</i> Colorblaze [®] Mini Me™ Watermelon	sun annual	5.0	5.0	4.4	4.7
<i>Coleus</i> Colorblaze [®] Mini Me™ Watermelon	shade annual	4.9		4.3	4.6
<i>Coleus</i> Flamethrower™ Adobo Pink	sun annual	4.9		4.7	4.8
Coleus Marble Mania	sun annual	4.9		4.7	4.8
Coleus Premium Sun Coral Candy	shade container	4.8	3.3	4.6	4.4
Coleus Premium Sun Crimson Gold	shade container	4.8	3.3	4.3	4.3
<i>Coreopsis</i> Candlelight™	sun perennial Y3	3.6	3.4	1.7	2.7
Coreopsis Designer Threads™ 'Golden Needles'	sun perennial Y1	4.6	3.6	3.7	3.9
<i>Coreopsis</i> Designer Threads™ 'Scarlet Ribbons'	sun perennial Y1	4.7	3.7	3.4	3.9
<i>Coreopsis</i> Uptick [™] Gold	sun perennial Y1	5.0	4.6	4.7	4.7
<i>Cuphea</i> Enchantia™ Lavender	sun annual	5.0	3.9	3.9	4.3
<i>Cuphea</i> Enchantia™ White	sun annual	5.0	4.2	3.9	4.4
Cuphea Totally Tempted [™] Frosted Violets	sun annual	3.6	3.4	3.2	3.4
Cuphea Totally Tempted™ Watermelon Wine™	sun annual	4.0	4.2	4.0	4.1
Cuphea Vermillionaire [®]	sun perennial Y1	4.7	4.4	4.3	4.5
Dahlia City Lights™ Apricot Glow	sun annual	3.8	2.8	2.9	3.2
<i>Dahlia</i> Venti™ Magenta+White Eye	sun annual	4.4	2.8	3.3	3.5
Dahlia Virtuoso™ Classy Carmine™	sun annual	3.7	3.0	3.1	3.2

Cultivar	Туре	Leaf	Flower	Landscape Impact	Average
Dahlia Virtuoso™ Dayglo Yellow™	sun annual	2.9	2.4	2.4	2.6
Dahlia Virtuoso™ Merry Magenta™	sun annual	3.2	3.0	2.6	2.8
Dahlia Virtuoso™ Pinkerific™	sun annual	3.4	2.7	2.6	2.9
Dahlia Virtuoso™ Vibrant Violet™	sun annual	3.9	2.7	3.1	3.2
Dahlia White Colored Flowers	sun annual	3.4	2.6	2.6	2.9
Delosperma Kaleidoscope™ 'Dancing Embers'	sun perennial Y1	4.2	2.5	2.6	3.1
Delosperma Kaleidoscope™ 'Razzle Dazzle'	sun perennial Y1	4.3	2.0	2.4	3.0
<i>Delosperma</i> Ocean Sunset™ Violet Flare	sun perennial Y1	4.2	2.8	2.9	3.3
<i>Dianthus</i> Fruit Punch [®] 'Funky Fuchsia'	sun perennial Y3	4.2	1.9	1.8	2.8
Dianthus Jolt™ Pink Magic	sun perennial Y1	4.8	4.1	3.8	4.2
Dichondra Silver Falls	sun basket	3.9		3.2	3.6
Digitalis Arctic Fox™ Lemon Cream	sun perennial Y1	2.2	2.3	2.1	2.1
Digitalis Arctic Fox™ Rose	sun perennial Y1	3.2	3.4	2.7	3.0
Echinacea Artisan™ Red Ombre	sun perennial Y3	3.2	2.3	2.2	2.6
Echinacea Artisan™ Soft Orange	sun perennial Y3	4.4	3.8	3.0	3.7
Echinacea Artisan™ Soft Orange	sun perennial Y1	3.2	2.7	2.2	2.7
<i>Echinacea</i> Artisan™ Yellow Ombre	sun perennial Y3	4.4	4.0	3.0	3.7
Echinacea Artisan™ Yellow Ombre	sun perennial Y1	3.8	2.3	1.9	2.8
Echinacea Color Coded $^{ extsf{R}}$ 'The Fuchsia Is Bright'	sun perennial Y3	3.1	2.5	2.2	2.7
Echinacea Double Dipped™ 'Watermelon Sugar'	sun perennial Y2	2.4	1.6	1.6	1.9
Echinacea Double Scoop™ Orangeberry Deluxe	sun perennial Y2	3.8	3.3	2.8	3.3
Echinacea Double Scoop™ Raspberry Deluxe	sun perennial Y2	3.9	3.4	3.2	3.5
Echinacea Double Scoop™ Strawberry Deluxe	sun perennial Y2	2.8	3.6	2.2	2.6
Echinacea Double Scoop™ Watermelon Deluxe	sun perennial Y2	3.6	3.3	2.9	3.3
Echinacea Sombrero [®] Adobe Orange	sun perennial Y2	3.8	3.9	3.2	3.6
Echinacea Sombrero [®] Rosada	sun perennial Y2	2.8	2.7	2.0	2.4
Echinacea Sombrero [®] Salsa Red	sun perennial Y2	3.4	3.0	2.8	3.0
Eucomis Crowning Glory™ 'Purple Reign'	sun perennial Y2	2.6		1.6	2.1
Gomphrena Fireworks	sun annual	5.0	4.1	4.2	4.4
Helianthus Suncredible [®] Saturn	sun annual	4.3	4.4	4.4	4.4
Helianthus Suncredible [®] Yellow	sun annual	4.9	4.8	4.8	4.8
Heliopsis 'Touch Of Blush'	sun perennial Y1	3.1	3.2	3.1	3.1
Heliotropium Aromagica™ Purple	sun annual	4.7	3.8	4.0	4.1
Heliotropium Augusta [®] Lavender	sun annual	4.9	4.4	4.4	4.6
Hemerocallis Rainbow Rhythm [®] 'Blazing Glory'	sun perennial Y2	4.8	3.3	3.2	3.8
Heuchera 'Ball Gown'	shade perennial Y3	1.9		1.3	1.6
Hibiscus 'Marshmallow Moon'	sun perennial Y2	4.2	2.5	3.2	3.4

Cultivar	Туре	Leaf	Flower	Landscape Impact	Average
Hibiscus Head Over Heels [®] Adore™	sun perennial Y2	4.4	3.0	3.9	3.9
Hibiscus Head Over Heels [®] Blush	sun perennial Y2	4.3	3.3	3.6	3.8
Hibiscus Head Over Heels [®] Passion™	sun perennial Y2	1.1	1.0	1.0	1.1
Hibiscus Summerific [®] 'All Eyes On Me'	sun perennial Y2	4.3	3.1	3.6	3.7
Hibiscus Summerific [®] 'Edge Of Night'	sun perennial Y3	4.4	3.0	4.2	4.1
Hibiscus Summerific [®] 'Valentine's Crush'	sun perennial Y3	4.4	3.0	3.6	3.8
Impatiens Beacon [®] Bright Red	shade annual	3.7	4.3	3.7	3.8
Impatiens Beacon [®] Bright Red	shade container	5.0	4.8	4.8	4.9
Impatiens Beacon [®] Chicago Mix	shade annual	3.6	3.8	3.7	3.7
Impatiens Beacon [®] Chicago Mix	shade container	5.0	4.7	4.7	4.8
Impatiens Beacon [®] Coral Improved	shade annual	4.2	4.1	4.2	4.2
Impatiens Beacon [®] Coral Improved	shade container	5.0	4.7	4.7	4.8
Impatiens Beacon [®] Lipstick	shade annual	4.3	4.2	4.2	4.3
Impatiens Beacon [®] Lipstick	shade container	4.9	4.6	4.6	4.7
Impatiens Beacon [®] Orange	shade annual	4.1	4.3	3.9	4.0
Impatiens Beacon® Orange	shade container	5.0	4.7	4.7	4.8
Impatiens Beacon [®] Otway Mix	shade annual	4.3	4.3	4.2	4.3
Impatiens Beacon [®] Otway Mix	shade container	5.0	4.8	4.8	4.9
Impatiens Beacon [®] Rose	shade annual	4.4	4.4	4.4	4.4
Impatiens Beacon [®] Rose	shade container	5.0	4.7	4.7	4.8
Impatiens Beacon [®] Salmon	shade annual	4.4	4.3	4.2	4.3
Impatiens Beacon [®] Salmon	shade container	5.0	4.8	4.8	4.9
Impatiens Beacon [®] Violet Shades	shade annual	4.4	4.2	4.3	4.3
Impatiens Beacon [®] Violet Shades	shade container	5.0	4.8	4.8	4.9
Impatiens Beacon [®] White Pearl	shade annual	4.4	4.1	4.0	4.2
Impatiens Beacon [®] White Pearl	shade container	5.0	4.7	4.7	4.8
Impatiens Rockapulco [®] Appleblossom Improved	shade annual	4.0	3.4	3.3	3.6
Impatiens Rockapulco [®] Red Improved	shade annual	3.9	3.8	3.8	3.8
Impatiens Rockapulco [®] Rose Improved	shade annual	3.9	3.4	3.4	3.6
Impatiens Solarscape [®] XL Lilac Spark	sun annual	5.0	4.3	4.4	4.6
Impatiens Solarscape [®] XL Lilac Spark	shade container	2.9	2.7	2.5	2.7
Impatiens Solarscape [®] XL Pink Jewel	sun annual	5.0	4.2	4.3	4.5
Impatiens Solarscape [®] XL Pink Jewel	shade container	2.9	2.8	2.3	2.6
Juncus Graceful Grasses [®] Blue Mohawk	sun perennial Y3	4.7		3.8	4.3
Juncus Graceful Grasses [®] Curly Wurly	sun perennial Y3	4.3		2.1	3.2
Kniphofia Glowstick	sun perennial Y3	3.2	2.9	2.6	2.8

Cultivar	Туре	Leaf	Flower	Landscape Impact	Average
Lagerstroemia Barista [®] 'Cherry Mocha'	sun perennial Y2	4.7	3.5	4.3	4.3
Lagerstroemia Barista [®] 'Like A Latte'	sun perennial Y2	4.7	3.4	4.3	4.3
Lagerstroemia Barista [®] 'Sweet Macciato'	sun perennial Y2	4.7	3.5	4.3	4.3
Lantana Little Lucky™ White	sun perennial Y3	3.8	4.3	2.6	3.3
Lantana Lucky™ Gold	sun perennial Y1	5.0	4.9	4.4	4.8
Lantana Luscious [®] Basket Tangelo™	sun perennial Y3	4.3	4.2	3.4	3.8
Lantana Luscious [®] Royale Lemon Tart™	sun perennial Y3	4.6	3.7	3.4	3.8
Lantana Luscious [®] Royale Red Zone	sun perennial Y3	4.7	3.2	3.4	3.8
Lantana Passionfruit	sun perennial Y1	2.4	2.4	2.4	2.3
Lantana Passionfruit	sun basket	5.0	4.7	4.5	4.7
Lantana Shamrock™ Butterscotch Glow	sun perennial Y3	4.7	3.1	3.1	3.6
Lantana Shamrock™ Peach Improved	sun perennial Y3	4.6	3.6	3.2	3.7
Lantana Shamrock™ Red	sun perennial Y2	4.8	4.0	3.9	4.2
Lantana Shamrock™ Red	sun container	3.6	3.5	2.3	2.8
<i>Lantana</i> Shamrock™ Rose Gold	sun perennial Y2	3.6	2.8	2.2	2.7
<i>Lantana</i> Shamrock™ Rose Imp	sun container	5.0	3.7	4.0	4.2
Lavandula Annet	sun perennial Y1	3.4		2.3	2.8
Lavandula Anouk Purple Medley	sun perennial Y2	4.1	3.8	3.7	3.7
Lavandula Anouk Twilight	sun perennial Y2	4.0	4.0	3.7	3.7
Lavandula Superblue	sun perennial Y1	3.3	3.6	2.6	2.9
Lobelia Heatopia™ Dark Blue	sun annual	3.6	4.8	3.3	3.9
<i>Lobelia</i> Heatopia™ Dark Blue	sun basket	2.4	2.7	2.4	2.4
Mandevilla Agate Rose Pink	sun container	5.0	4.1	4.6	4.6
Mandevilla Agate XXL White	sun container	5.0	4.3	4.4	4.5
Mandevilla Tourmaline Fuchsia	sun container	5.0	4.2	4.6	4.6
Mixmasters™ Passion Project	sun container	4.9	3.9	4.1	4.3
Mixmasters™ Summer Splendor	sun container	4.8	3.9	3.9	4.2
Mixmasters™ We've Got Flare	sun container	4.7	3.3	3.4	3.8
<i>Monarda</i> Upscale™ 'Lavender Taffeta'	sun perennial Y3	3.2	3.7	2.6	2.8
Monarda Upscale™ 'Pink Chenille'	sun perennial Y3	3.3	4.0	2.7	3.0
<i>Monarda</i> Upscale™ 'Red Velvet'	sun perennial Y3	3.4	3.2	3.2	3.2
Nemesia Blue Bird Improved	sun annual	3.4	3.7	2.7	3.1
Nepeta 'Chartreuse On The Loose'	sun perennial Y2	3.2	2.5	3.2	3.0
Nepeta Junior Walker™	sun perennial Y1	2.9	3.3	2.5	2.6
Ocimum Everleaf Lemon	edible	4.7	3.1	3.6	3.9
Ordenia 'Fusion Of Fire'	shade perennial Y2	4.6		3.5	4.0

Cultivar	Туре	Leaf	Flower	Landscape Impact	Average
Pelargonium Solera™ Fuchsia	sun container	3.7	2.9	3.2	3.3
Pelargonium Solera™ Fuschia	sun annual	4.2	3.4	3.4	3.6
Pelargonium Solera™ Lavender	sun annual	4.0	3.3	3.0	3.4
Pelargonium Solera™ Lavender	sun container	3.7	2.8	3.1	3.2
Pelargonium Solera™ Orange	sun annual	3.9	3.2	3.1	3.4
Pelargonium Solera™ Orange	sun container	3.7	3.2	3.2	3.4
Pelargonium Solera™ Red	sun annual	3.7	3.6	3.1	3.4
Pelargonium Solera™ Red	sun container	3.7	3.0	3.2	3.3
Pelargonium Solera™ Watermelon	sun annual	3.7	3.3	2.8	3.1
Pelargonium Solera™ Watermelon	sun container	3.7	3.4	3.2	3.3
Pennisetum Jade Princess	sun annual	3.6	4.8	4.7	4.3
Penstemon Bejeweled™ 'Rose Rhinestones'	sun perennial Y1	3.4	3.0	2.2	2.8
Perosvskia Crazyblue	sun perennial Y2	3.4	3.4	2.4	3.0
Petunia E3 Easy Wave [®] Peppermint Mix	sun annual	3.2	2.7	2.5	2.8
Petunia E3 Easy Wave [®] Peppermint Mix	sun basket	3.3	3.2	2.9	3.2
Petunia E3 Easy Wave $^{\mathbb{R}}$ Red White And Blue Mix	sun annual	3.3	2.8	2.7	2.9
Petunia E3 Easy Wave $^{\mathbb{R}}$ Red White And Blue Mix	sun basket	3.2	3.2	2.9	3.1
Petunia E3 Easy Wave [®] Rose Morn	sun annual	3.5	2.9	2.9	3.1
Petunia E3 Easy Wave [®] Rose Morn	sun basket	3.0	3.1	2.9	3.0
Petunia Easy Wave [®] Burgundy Velour	sun annual	3.2	2.6	2.6	2.8
Petunia Easy Wave [®] Burgundy Velour	sun basket	3.2	2.9	2.7	2.9
Petunia Easy Wave [®] Navy Velour	sun annual	3.2	2.5	2.4	2.7
Petunia Easy Wave [®] Navy Velour	sun basket	3.1	2.8	2.6	2.8
Petunia Easy Wave [®] Neon Rose	sun annual	2.9	2.8	2.7	2.8
Petunia Easy Wave [®] Neon Rose	sun basket	3.0	3.4	3.1	3.2
Petunia Easy Wave [®] Pink Passion	sun annual	3.1	2.8	2.5	2.8
Petunia Easy Wave [®] Pink Passion	sun basket	3.2	3.3	3.0	3.2
Petunia Easy Wave [®] Red Velour	sun annual	2.6	1.9	1.9	2.2
Petunia Easy Wave [®] Red Velour	sun basket	3.0	2.4	2.4	2.6z
Petunia Easy Wave [®] Rose	sun annual	2.6	2.2	2.0	2.3
Petunia Easy Wave [®] Rose	sun basket	3.3	3.1	3.1	3.2
Petunia Heartwheel	sun basket	3.0	3.3	2.9	3.1
Petunia Supertunia Mini Vista [®] Plum Veined	sun annual	3.6	3.2	3.2	3.3
Petunia Supertunia Mini Vista [®] Yellow	sun annual	3.8	4.1	3.8	3.9
<i>Petunia</i> Supertunia Tiara™ Blue	sun annual	3.9	3.9	3.5	3.8
<i>Petunia</i> Supertunia Tiara™ Pink	sun annual	3.6	3.2	3.1	3.3

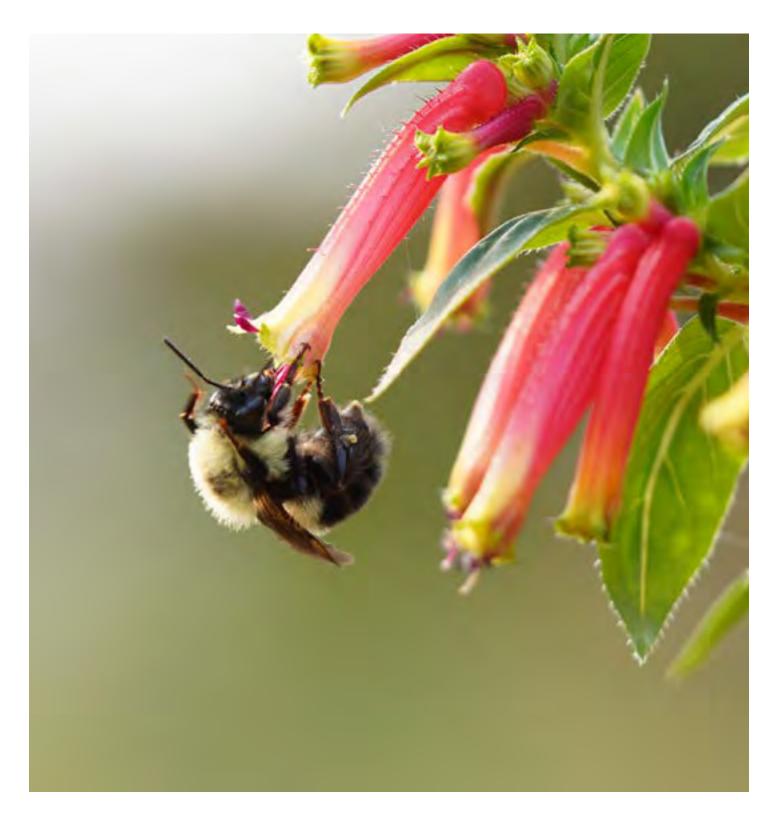
Cultivar	Туре	Leaf	Flower	Landscape Impact	Average
<i>Petunia</i> Supertunia Vista [®] Bubblegum	sun annual	4.0	3.6	3.6	3.7
Petunia Supertunia [®] Bermuda Beach Improved	sun annual	3.3	2.7	2.7	2.9
Phlox 'Opening Act Romance'	sun perennial Y3	4.2	3.2	3.4	3.6
Phlox Luminary [®] 'Prismatic Pink'	sun perennial Y2	4.4	3.8	3.1	3.8
Portulaca Mojave [®] Fuchsia Improved	sun annual	4.0	4.0	3.7	3.9
<i>Portulaca</i> Mojave [®] Mango	sun annual	4.1	4.0	3.8	4.0
<i>Portulaca</i> Mojave [®] Pink	sun annual	4.3	3.6	3.6	3.8
<i>Portulaca</i> Mojave [®] Red	sun annual	4.3	3.4	3.4	3.7
Portulaca Mojave [®] Tangerine Improved	sun annual	3.9	3.6	3.4	3.6
Portulaca Mojave [®] Yellow	sun annual	4.4	4.3	4.4	4.4
Portulaca Portogrande™ Citrus Crush	sun basket	4.6	4.0	4.0	4.2
Portulaca Portogrande™ Lemon Creamsicle	sun basket	4.6	3.9	3.9	4.1
Rudbeckia Goldblitz	sun perennial Y3	4.8	2.9	3.3	3.7
Salvia Blue By You	sun perennial Y2	3.3	2.8	2.6	2.8
Salvia Blue By You	sun perennial Y1	3.9	2.4	2.7	3.0
Salvia Blue Chill	sun perennial Y3	5.0	4.4	4.4	4.6
Salvia Rockin' [®] Blue Suede Shoes	sun perennial Y3	4.3	3.7	4.2	4.1
Salvia Silver Scent	edible Y2	1.9		1.5	1.7
Salvia Unplugged [®] Red	sun perennial Y1	3.0	3.0	2.8	2.9
Salvia Unplugged [®] So Blue	sun perennial Y1	3.0	4.0	2.7	2.9
Salvia Unplugged [®] White	sun perennial Y1	4.8	4.3	4.4	4.5
Scaevola Pink Brilliance	sun basket	3.4	3.1	3.0	3.2
<i>Scaevola</i> Stardiva™ Blue	sun annual	4.1	4.4	3.9	4.1
<i>Scaevola</i> Stardiva™ Pink	sun annual	3.9	4.4	3.6	4.0
<i>Scaevola</i> Stardiva™ White	sun annual	4.3	4.6	4.1	4.3
<i>Scaevola</i> Whirlwind [®] Blue	sun annual	5.0	4.3	4.4	4.6
<i>Scaevola</i> Whirlwind [®] Pink	sun annual	4.8	4.0	4.2	4.3
Scaevola Whirlwind® White	sun annual	5.0	4.2	4.2	4.5
Sedum Shamrock	sun perennial Y1	2.3	1.0	1.2	1.8
Sedum Yellow Diamonds	sun perennial Y3	3.4		1.6	2.5
Spigelia 'Apple Slices'	sun perennial Y1	4.4		1.6	3.0
Spigelia 'Apple Slices'	shade perennial Y1	3.7	1.5	1.6	2.6
Stachys Little Lamb	sun perennial Y2	2.0		1.7	1.9
Stokesia Totally Stoked™ 'Riptide'	sun perennial Y1	4.1	2.7	3.2	3.4
<i>Tecoma</i> Kalama™ Blood Orange	sun perennial Y1	5.0	3.6	3.6	4.0
<i>Tecoma</i> Kalama™ Pomegranate	sun perennial Y1	3.8	4.0	3.2	3.4

Table 3.	Average	criteria	scoring	for	all	2024	trial	entries.
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Cultivar	Туре	Leaf	Flower	Landscape Impact	Average
Thalictrum 'Cotton Candy'	sun perennial Y1	2.7		1.9	2.3
Tradescantia Proven Accents® Purple Queen	shade perennial Y3	4.9	2.0	3.7	4.1
Trixi® Berry Vibes	sun basket	2.4	2.5	2.4	2.4
Trixi® Evo-Centric	sun basket	3.8	3.9	3.4	3.5
Trixi® Mulberry Street	sun basket	2.7	2.8	2.7	2.7
Trixi® Prime Suspect	sun basket	3.1	3.3	3.1	3.2
Trixi® Spring Symphony	sun basket	2.4	2.3	2.3	2.4
<i>Verbena</i> Endurascape™ Purple Fizz	sun perennial Y2	4.0	3.3	3.3	3.5
<i>Verbena</i> Superbena [®] Cherryburst	sun perennial Y2	2.3	1.8	1.3	1.7
<i>Verbena</i> Superbena [®] Pink Cashmere™	sun perennial Y2	4.1	2.8	3.0	3.3
<i>Verbena</i> Superbena [®] Sparkling [®] Amethyst	sun perennial Y2	3.9	2.5	2.9	3.1
Veronica Moody Blues [®] Dark Blue Improved	sun perennial Y2	4.4	3.2	3.4	3.7
<i>Veronica</i> Moody Blues [®] Dark Pink	sun perennial Y2	4.3	3.1	3.2	3.6
Veronica Skyward™ Blue	sun perennial Y3	4.6	3.3	3.7	3.9
Veronica Skyward™ Lilac	sun perennial Y1	4.7	4.1	4.2	4.3
<i>Veronica</i> Skyward™ Pink	sun perennial Y3	4.7	3.2	3.3	3.7

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MS AGRICULTURAL AND FORESTRY EXPERIMENT STATION

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