

# 2022 Herbaceous Cultivar Trial Results Snyder Park Gardens & Arboretum Ohio State University Extension, Springfield, OH

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## Introduction

Cultivar trials have been conducted by Ohio State University faculty along with Clark County Extension staff and Master Gardener Volunteers (MGV) in Springfield, Ohio since 1995. MGVs Theresa Gregory, Linda McCann, Karen Parsons, and Rosalind Soles were the 2022 project leaders and were responsible for growing the plants in the greenhouse. Ohio State University Extension Office (OSUE) Associate Jo Brown managed the data. The trials are in the Snyder Park Gardens & Arboretum (1900 Snyder Park Street) in Springfield, Ohio. MGVs planted in the beds and containers, weeded, and assisted with the evaluation of the plots. Most of the visitors to the trials were residents, those from out of town who were familiar with the trials, and those who visited the gardens for other reasons.

The plots have loamy, well-drained soil with a pH of 7.4. The current plots were established in the spring of 2015. The beds were tilled to a depth of 8" in both the sun and shade plots. There is approximately 5000 square feet of bed space in full sun and approximately 1000 square feet in the shade, under a shade tree (moderate to heavy shade, Norway maple). The plots are tilled before planting and in the fall after the removal of the annuals.

The selection of plants to be trialed in the garden varies from year to year. The selection is based on entries from companies. The results of performance for the plants are based on the data collected at the plots. The data reflects the growing conditions of 2022 in Springfield or west central Ohio. The purpose of the evaluation is to provide growers, landscapers, and homeowners with a tool for plant selection for Ohio as well as to provide performance data to the breeders and companies.

## Method

The plants were started on the Ohio State University campus in the greenhouses from seeds or plugs, depending on the species, according to the recommended starting dates. They were planted in the ground plots and in containers on May 19, 2022. There were six plants of each variety in a block; most plants were spaced on two-foot centers with the trailing/vining plants planted on four-foot centers in the block. *Calibrachoa* cultivars were planted in 18" diameter containers, six plants per container, and in a soilless mix.

A 14-14-14 slow-release fertilizer was incorporated into the soil as well as the containers before planting at the labeled rate (one tablespoon per four-inch plant). No additional application of fertilizer was made to plants in the ground. Additional fertilizer (Main Event) was provided to the containers to manage the pH of the mix. Trials were irrigated as needed and containers were watered regularly. See the weather information below for details. No mulch was used. Hand weeding was completed as needed. Treflan (e.g., trifluralin) was incorporated in between the plants six weeks after planting.

All plants were grown in full sun unless otherwise indicated with a shaded row in the chart below. Normally no pesticides are applied; however, the deer pressure was a problem for a few of the plants (tomatoes) in 2021. A repellent was used on these plants throughout the season. ***The plants were not deadheaded or pruned during the growing season.***

Faculty, staff, and volunteers conducted visual evaluations on June 23<sup>rd</sup>, July 22<sup>nd</sup>, August 19<sup>th</sup>, and September 16<sup>th</sup>. The entire block of plants received a visual rating from one to five. A rating of five was excellent and a

rating of one was poor. The five individual evaluation ratings were averaged for the monthly rating figure. The monthly evaluations (June-September) were averaged for the final rating for each variety.

**Weather Information**

The information below was obtained from the College of Food, Agricultural, and Environmental Sciences weather station in Springfield, Ohio. More details can be found at:

<https://weather.cfaes.osu.edu/stationinfo.asp?id=13>

Plants were installed under perfect planting conditions on May 19<sup>th</sup>. May precipitation overall was above normal, and June was below normal. However, July was 2.67 inches above normal, with three rain events that lasted three or more days. Many petunia varieties took a beating from a few heavy downfalls as well as too much rain at one time, which resulted in lower evaluation numbers. August was close to normal, and September was slightly lower in precipitation.

Temperatures were close to the season average temperature. There were a total of 14 days of 90F or higher with half of them occurring in August. This compares to 18 days with temperatures 90F or higher in 2020, 21 days in 2019, and four days in 2018.

Figure 1 indicates temperature conditions and Figure 2 indicates rainfall amounts for this growing season.

Figure 1

**2022 Temperatures**

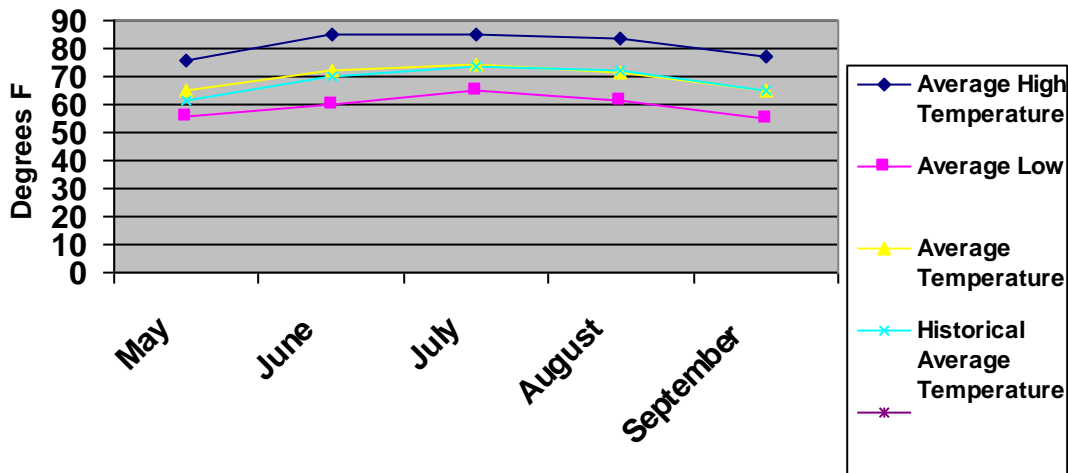
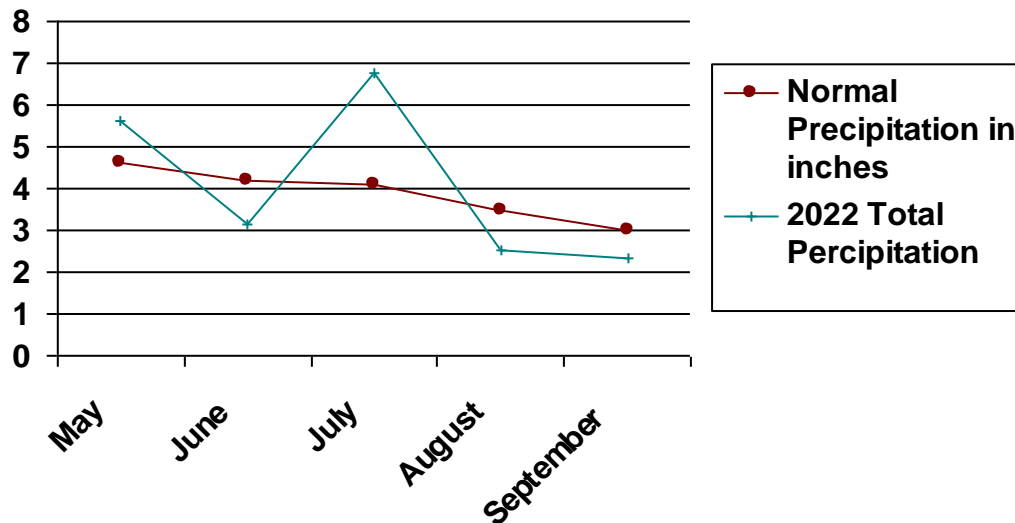


Figure 2



## Results

Following are the varieties in the 2022 field trials and their monthly ratings and final rating. The plants listed that are shaded gray are those varieties that were grown in shade. The plants with an \* (asterisk) after the Genus/Common Name were grown in containers with six plants per container.

The supplier for each variety is listed in the table; the supplier key is at the end under companies. The plants are listed in order of Final Rating from highest to lowest. A rating of five is the highest; a rating of one is the lowest.

| Genus/<br>Common<br>Name | Series                    | Variety/Color             | Company | June | July | August | September | Overall<br>Average |
|--------------------------|---------------------------|---------------------------|---------|------|------|--------|-----------|--------------------|
| Salvia                   |                           | Blue Chill                | Ball    | 4.17 | 4.17 | 4.17   | 4.17      | <b>4.17</b>        |
| Impatiens                | Beacon®                   | Portland Mix              | Ball    | 4.17 | 4.17 | 4.17   | 4.17      | <b>4.17</b>        |
| Celosia plumosa          |                           | Flamma Golden             | Sak     | 4.17 | 4.17 | 4.17   | 4.17      | <b>4.17</b>        |
| Celosia plumosa          |                           | Flamma Red                | Sak     | 4.17 | 4.17 | 4.17   | 4.17      | <b>4.17</b>        |
| Impatiens                | Beacon®                   | Lindau Mix                | Ball    | 4.17 | 4.17 | 4.17   | 4.00      | <b>4.13</b>        |
| Begonia                  | Surefire®                 | White                     | PW      | 4.17 | 4.17 | 4.17   | 4.00      | <b>4.13</b>        |
| Plectranthus             | ColorBlaze®               | Pineapple Brandy          | PW      | 3.83 | 4.17 | 4.17   | 4.17      | <b>4.08</b>        |
| Plectranthus             | ColorBlaze®               | Torchlight                | PW      | 3.83 | 4.17 | 4.17   | 4.17      | <b>4.08</b>        |
| Petunia                  | Supertunia<br>Mini Vista® | Yellow                    | PW      | 3.83 | 4.17 | 4.17   | 4.17      | <b>4.08</b>        |
| Ipomoea                  | Illusion®                 | Penny Lace™               | PW      | 4.17 | 3.83 | 4.17   | 4.17      | <b>4.08</b>        |
| Salvia                   |                           | Blue Chill                | Ball    | 4.17 | 4.17 | 4.17   | 4.17      | <b>4.17</b>        |
| Ipomoea                  | Sweet Caroline<br>Upside  | Key Lime                  | PW      | 4.17 | 4.00 | 4.17   | 4.00      | <b>4.08</b>        |
| Coleus                   | Trailblazer™              | Glory Road                | Ball    | 3.83 | 4.17 | 4.17   | 4.17      | <b>4.08</b>        |
| Juncus                   |                           | Blue Mohawk               | PW      | 3.83 | 4.00 | 4.17   | 4.17      | <b>4.04</b>        |
| Coleus                   |                           | Peach Frizzle             | Ball    | 3.83 | 4.00 | 4.17   | 4.17      | <b>4.04</b>        |
| Begonia                  | Surefire®                 | Cherry Cordial™           | PW      | 4.17 | 4.00 | 4.17   | 3.83      | <b>4.04</b>        |
| Muehlenbeckia            |                           | Big Leaf                  | PW      | 3.83 | 3.83 | 4.17   | 4.17      | <b>4.00</b>        |
| Lantana                  | Luscious®                 | Basket Tangelo™           | PW      | 3.50 | 4.17 | 4.17   | 4.17      | <b>4.00</b>        |
| Impatiens x<br>hybrida   | SunPatiens                | Vigorous Pretty Pink      | Sak     | 3.50 | 4.17 | 4.17   | 4.17      | <b>4.00</b>        |
| Coleus Blumei            | Main Street               | Portage Avenue            | Dum     | 3.67 | 4.00 | 4.17   | 4.17      | <b>4.00</b>        |
| Celosia plumosa          |                           | Flamma Orange             | Sak     | 4.17 | 3.83 | 4.00   | 4.00      | <b>4.00</b>        |
| Begonia                  | Surefire®                 | Red                       | PW      | 4.00 | 4.00 | 4.00   | 4.00      | <b>4.00</b>        |
| Portulaca                | Mojave®                   | Yellow 2023               | PW      | 3.83 | 4.00 | 3.83   | 4.17      | <b>3.96</b>        |
| Juncus                   | Graceful<br>Grasses®      | Curly Wurly               | PW      | 4.00 | 3.83 | 3.83   | 4.17      | <b>3.96</b>        |
| Impatiens x<br>hybrida   | SunPatiens                | Compact Lilac<br>Improved | Sak     | 3.33 | 4.17 | 4.17   | 4.17      | <b>3.96</b>        |
| Cyperus                  | Graceful<br>Grasses®      | Prince Tut                | PW      | 4.17 | 3.33 | 4.17   | 4.17      | <b>3.96</b>        |
| Impatiens x<br>hybrida   | SunPatiens                | Compact Purple Candy      | Sak     | 3.33 | 4.17 | 4.17   | 4.17      | <b>3.96</b>        |
| Heliotropium             | Augusta                   | Lavender                  | PW      | 3.67 | 4.17 | 4.17   | 3.83      | <b>3.96</b>        |
| Coleus                   | Premium Sun               | Ruby Heart                | Ball    | 3.83 | 4.00 | 4.00   | 4.00      | <b>3.96</b>        |
| Salvia                   | Rockin'®                  | Blue Suede Shoes          | PW      | 3.67 | 4.00 | 4.17   | 4.00      | <b>3.96</b>        |

| Genus/<br>Common<br>Name   | Series                      | Variety/Color              | Company | June | July | August | September | Overall<br>Average |
|----------------------------|-----------------------------|----------------------------|---------|------|------|--------|-----------|--------------------|
| Zinnia hybrida             |                             | Profusion Fire             | Sak     | 4.17 | 3.33 | 4.17   | 4.00      | <b>3.92</b>        |
| Scaevola                   | Surdiva                     | White Improved             | Sun     | 4.17 | 4.17 | 4.00   | 3.33      | <b>3.92</b>        |
| Lantana                    | Luscious®<br>Royale         | Lemon Tart™                | PW      | 3.50 | 4.17 | 4.00   | 4.00      | <b>3.92</b>        |
| Ipomoea                    | Sweet<br>Caroline           | Medusa Green               | PW      | 3.33 | 4.00 | 4.17   | 4.17      | <b>3.92</b>        |
| Ipomoea                    | Sweet<br>Caroline<br>Upside | Black Coffee™              | PW      | 3.33 | 4.00 | 4.17   | 4.17      | <b>3.92</b>        |
| Impatiens x<br>hybrida     | SunPatiens                  | Vigorous Red               | Sak     | 3.17 | 4.17 | 4.17   | 4.17      | <b>3.92</b>        |
| Coleus                     | Trailblazer™                | Road Trip                  | Ball    | 3.83 | 4.17 | 4.17   | 3.33      | <b>3.88</b>        |
|                            | Surdiva                     | Purple                     | Sun     | 4.00 | 4.00 | 4.17   | 3.33      | <b>3.88</b>        |
| Petunia                    | Supertunia<br>Vista®        | Jazzberry                  | PW      | 3.50 | 3.83 | 4.00   | 4.17      | <b>3.88</b>        |
| Lantana                    | Shamrock™                   | Peach Improved             | Ball    | 3.50 | 3.67 | 4.17   | 4.17      | <b>3.88</b>        |
| Interspecific<br>Impatiens | Solarscape™                 | Magenta Bliss              | Ball    | 3.50 | 4.00 | 3.83   | 4.17      | <b>3.88</b>        |
| Interspecific<br>Impatiens | Solarscape™                 | XL Salmon Glow             | Ball    | 3.50 | 3.83 | 4.00   | 4.17      | <b>3.88</b>        |
| Coleus Blumei              | Main Street                 | Orchard Road               | Dum     | 3.50 | 3.67 | 4.17   | 4.17      | <b>3.88</b>        |
| Begonia                    | Megawatt™                   | White Green Leaf           | Ball    | 4.00 | 3.33 | 4.17   | 4.00      | <b>3.88</b>        |
| Impatiens x<br>hybrida     | SunPatiens                  | Compact Classic White      | Sak     | 3.17 | 3.83 | 4.17   | 4.17      | <b>3.83</b>        |
| Celosia<br>plumosa         |                             | Flamma Bright Red          | Sak     | 4.17 | 4.00 | 3.83   | 3.33      | <b>3.83</b>        |
| Petunia                    | Supertunia<br>Mini Vista®   | White                      | PW      | 3.67 | 4.17 | 4.00   | 3.50      | <b>3.83</b>        |
| Impatiens                  | Beacon®                     | Sanibel Mix                | Ball    | 4.17 | 3.33 | 3.83   | 4.00      | <b>3.83</b>        |
| Celosia<br>plumosa         |                             | Flamma Rose                | Sak     | 3.83 | 3.83 | 3.83   | 3.83      | <b>3.83</b>        |
| Interspecific<br>Impatiens | Solarscape™                 | White Shimmer              | Ball    | 3.17 | 3.83 | 4.17   | 4.00      | <b>3.79</b>        |
| Impatiens x<br>hybrida     | SunPatiens                  | Vigorous White<br>Improved | Sak     | 3.17 | 3.83 | 4.17   | 4.00      | <b>3.79</b>        |
| Impatiens x<br>hybrida     | SunPatiens                  | Compact Lavender<br>Splash | Sak     | 3.00 | 4.17 | 4.00   | 4.00      | <b>3.79</b>        |
| Bracteantha                |                             | Gold                       | Sun     | 4.17 | 4.17 | 3.33   | 3.50      | <b>3.79</b>        |
| Begonia                    | Surefire®                   | Rose                       | PW      | 4.17 | 4.17 | 3.83   | 3.00      | <b>3.79</b>        |
| Lantana                    | Little Lucky™               | White                      | Ball    | 3.67 | 3.67 | 4.00   | 3.83      | <b>3.79</b>        |
| Plectranthus               | ColorBlaze®                 | Mini Me™<br>Watermelon     | PW      | 3.00 | 4.00 | 4.00   | 4.00      | <b>3.75</b>        |
| Nemesia                    | Aromance®                   | Mulberry                   | PW      | 4.17 | 3.67 | 3.00   | 4.17      | <b>3.75</b>        |
| Catharanthus               | Soiree Double               | Orchid                     | Sun     | 3.17 | 4.00 | 4.00   | 3.83      | <b>3.75</b>        |
| Interspecific<br>Impatiens | Solarscape™                 | Neon Purple                | Ball    | 3.17 | 3.33 | 4.17   | 4.17      | <b>3.71</b>        |

| Genus/<br>Common<br>Name   | Series                      | Variety/Color              | Company | June | July | August | September | Overall<br>Average |
|----------------------------|-----------------------------|----------------------------|---------|------|------|--------|-----------|--------------------|
| Zinnia hybrida             | Profusion                   | Exp. Fire Improved         | Sak     | 4.00 | 3.33 | 4.17   | 3.33      | <b>3.71</b>        |
| Rex Begonia                | Jurassic<br>Megalo™         | Reptile                    | Ball    | 3.67 | 3.33 | 4.00   | 3.83      | <b>3.71</b>        |
| Double<br>Impatiens        | Glimmer™                    | Appleblossom               | Ball    | 3.67 | 3.17 | 4.17   | 3.83      | <b>3.71</b>        |
| Canna                      | Cannova                     | Scarlet                    | Ball    | 4.00 | 3.33 | 3.50   | 3.83      | <b>3.67</b>        |
| Lantana                    | Luscious®<br>Royale         | Lemon Tart™                | PW      | 3.50 | 4.17 | 4.00   | 4.00      | <b>3.92</b>        |
| Ipomoea                    | Sweet<br>Caroline           | Medusa Green               | PW      | 3.33 | 4.00 | 4.17   | 4.17      | <b>3.92</b>        |
| Ipomoea                    | Sweet<br>Caroline<br>Upside | Black Coffee™              | PW      | 3.33 | 4.00 | 4.17   | 4.17      | <b>3.92</b>        |
| Impatiens x<br>hybrida     | SunPatiens                  | Vigorous Red               | Sak     | 3.17 | 4.17 | 4.17   | 4.17      | <b>3.92</b>        |
| Coleus                     | Trailblazer™                | Road Trip                  | Ball    | 3.83 | 4.17 | 4.17   | 3.33      | <b>3.88</b>        |
| Petunia                    | Surdiva                     | Purple                     | Sun     | 4.00 | 4.00 | 4.17   | 3.33      | <b>3.88</b>        |
| Petunia                    | Supertunia<br>Vista®        | Jazzberry                  | PW      | 3.50 | 3.83 | 4.00   | 4.17      | <b>3.88</b>        |
| Lantana                    | Shamrock™                   | Peach Improved             | Ball    | 3.50 | 3.67 | 4.17   | 4.17      | <b>3.88</b>        |
| Interspecific<br>Impatiens | Solarscape™                 | Magenta Bliss              | Ball    | 3.50 | 4.00 | 3.83   | 4.17      | <b>3.88</b>        |
| Interspecific<br>Impatiens | Solarscape™                 | XL Salmon Glow             | Ball    | 3.50 | 3.83 | 4.00   | 4.17      | <b>3.88</b>        |
| Coleus Blumei              | Main Street                 | Orchard Road               | Dum     | 3.50 | 3.67 | 4.17   | 4.17      | <b>3.88</b>        |
| Begonia                    | Megawatt™                   | White Green Leaf           | Ball    | 4.00 | 3.33 | 4.17   | 4.00      | <b>3.88</b>        |
| Impatiens X<br>hybrida     | SunPatiens                  | Compact Classic White      | Sak     | 3.17 | 3.83 | 4.17   | 4.17      | <b>3.83</b>        |
| Celosia<br>plumosa         |                             | Flamma Bright Red          | Sak     | 4.17 | 4.00 | 3.83   | 3.33      | <b>3.83</b>        |
| Petunia                    | Supertunia<br>Mini Vista®   | White                      | PW      | 3.67 | 4.17 | 4.00   | 3.50      | <b>3.83</b>        |
| Impatiens                  | Beacon®                     | Sanibel Mix                | Ball    | 4.17 | 3.33 | 3.83   | 4.00      | <b>3.83</b>        |
| Celosia<br>plumosa         |                             | Flamma Rose                | Sak     | 3.83 | 3.83 | 3.83   | 3.83      | <b>3.83</b>        |
| Interspecific<br>Impatiens | Solarscape™                 | White Shimmer              | Ball    | 3.17 | 3.83 | 4.17   | 4.00      | <b>3.79</b>        |
| Impatiens x<br>hybrida     | SunPatiens                  | Vigorous White<br>Improved | Sak     | 3.17 | 3.83 | 4.17   | 4.00      | <b>3.79</b>        |
| Impatiens x<br>hybrida     | SunPatiens                  | Compact Lavender<br>Splash | Sak     | 3.00 | 4.17 | 4.00   | 4.00      | <b>3.79</b>        |
| Begonia                    | Surefire®                   | Rose                       | PW      | 4.17 | 4.17 | 3.83   | 3.00      | <b>3.79</b>        |
| Lantana                    | Little Lucky™               | White                      | Ball    | 3.67 | 3.67 | 4.00   | 3.83      | <b>3.79</b>        |
| Plectranthus               | ColorBlaze®                 | Mini Me™<br>Watermelon     | PW      | 3.00 | 4.00 | 4.00   | 4.00      | <b>3.75</b>        |
| Nemesia                    | Aromance®                   | Mulberry                   | PW      | 4.17 | 3.67 | 3.00   | 4.17      | <b>3.75</b>        |

| Genus/<br>Common<br>Name   | Series                    | Variety/Color                   | Company | June | July | August | September | Overall<br>Average |
|----------------------------|---------------------------|---------------------------------|---------|------|------|--------|-----------|--------------------|
| Catharanthus               | Soiree Double             | Orchid                          | Sun     | 3.17 | 4.00 | 4.00   | 3.83      | <b>3.75</b>        |
| Interspecific<br>Impatiens | Solarscape™               | Neon Purple                     | Ball    | 3.17 | 3.33 | 4.17   | 4.17      | <b>3.71</b>        |
| Zinnia hybrida             |                           | Profusion Exp. Fire<br>Improved | Sak     | 4.00 | 3.33 | 4.17   | 3.33      | <b>3.71</b>        |
| Rex Begonia                | Jurassic<br>Megalo™       | Reptile                         | Ball    | 3.67 | 3.33 | 4.00   | 3.83      | <b>3.71</b>        |
| Double<br>Impatiens        | Glimmer™                  | Appleblossom                    | Ball    | 3.67 | 3.17 | 4.17   | 3.83      | <b>3.71</b>        |
| Canna                      | Cannova                   | Scarlet                         | Ball    | 4.00 | 3.33 | 3.50   | 3.83      | <b>3.67</b>        |
| Rex Begonia                | Jurassic™                 | Green Streak                    | Ball    | 3.67 | 3.83 | 3.50   | 3.50      | <b>3.63</b>        |
| Begonia                    | Megawatt™                 | Rose Green Leaf                 | Ball    | 3.83 | 3.33 | 3.33   | 4.00      | <b>3.63</b>        |
| Rex Begonia                | Jurassic<br>Megalo™       | Croc                            | Ball    | 3.50 | 3.67 | 3.67   | 3.67      | <b>3.63</b>        |
| Dahlia                     | Dalaya®                   | Apricot                         | Ball    | 3.83 | 4.00 | 3.67   | 2.83      | <b>3.58</b>        |
| Spreading<br>Begonia       | Hula™                     | Blush                           | Ball    | 3.67 | 3.33 | 3.67   | 3.67      | <b>3.58</b>        |
| Lantana                    | Shamrock™                 | Butterscotch Glow               | Ball    | 2.83 | 3.33 | 4.00   | 4.00      | <b>3.54</b>        |
| Spreading<br>Begonia       | Hula™                     | Pink                            | Ball    | 3.67 | 3.50 | 3.50   | 3.50      | <b>3.54</b>        |
| Gomphrena                  | Truffula                  | Pink                            | PW      | 4.17 | 4.17 | 4.17   | 1.67      | <b>3.54</b>        |
| Cyperus                    | Graceful<br>Grasses®      | Queen Tut™                      | PW      | 3.17 | 3.50 | 4.00   | 3.50      | <b>3.54</b>        |
| Catharanthus               | Soiree Double             | White                           | Sun     | 3.17 | 4.00 | 4.17   | 2.83      | <b>3.54</b>        |
| Begonia                    | Dragon Wing®              | White                           | PW      | 3.50 | 4.17 | 3.33   | 3.17      | <b>3.54</b>        |
| Salvia                     | Rockin'®                  | Deep Purple 2023                | PW      | 2.83 | 3.83 | 3.67   | 3.67      | <b>3.50</b>        |
| Rex Begonia                | Jurassic Jr.™             | Fire Spike                      | Ball    | 3.00 | 4.00 | 3.83   | 3.17      | <b>3.50</b>        |
| Nemesia                    | Aromance®                 | Pink                            | PW      | 3.00 | 3.50 | 3.33   | 4.17      | <b>3.50</b>        |
| Double<br>Impatiens        | Glimmer™                  | Burgundy                        | Ball    | 3.33 | 3.50 | 3.67   | 3.50      | <b>3.50</b>        |
| Begonia                    | Dragon Wing®              | Pink                            | PW      | 3.67 | 4.17 | 3.17   | 3.00      | <b>3.50</b>        |
| Dahlia                     | Venti™                    | Mango                           | Ball    | 3.83 | 3.67 | 3.33   | 3.00      | <b>3.46</b>        |
| Begonia                    | Double Up®                | White                           | PW      | 3.83 | 4.17 | 3.00   | 2.83      | <b>3.46</b>        |
| Double<br>Impatiens        | Glimmer™                  | Dark Red                        | Ball    | 3.50 | 3.67 | 3.67   | 3.00      | <b>3.46</b>        |
| Petunia                    | Surfinia                  | Sumo Pink                       | Sun     | 3.33 | 3.17 | 3.00   | 4.17      | <b>3.42</b>        |
| Double<br>Impatiens        | Glimmer™                  | Salmon                          | Ball    | 2.83 | 3.50 | 3.67   | 3.67      | <b>3.42</b>        |
| Begonia                    | Megawatt™                 | Pink Green Leaf                 | Ball    | 2.67 | 3.17 | 4.00   | 3.83      | <b>3.42</b>        |
| Petunia                    | Supertunia<br>Mini Vista® | Hot Pink                        | PW      | 3.83 | 3.33 | 3.00   | 3.33      | <b>3.38</b>        |
| Petunia                    | Supertunia<br>Mini Vista® | Midnight                        | PW      | 3.67 | 3.50 | 3.50   | 2.83      | <b>3.38</b>        |
| Begonia                    | Double Up®                | Red                             | PW      | 3.50 | 4.00 | 3.00   | 3.00      | <b>3.38</b>        |
| Begonia                    | Megawatt™                 | Red Bronze Leaf                 | Ball    | 3.67 | 3.17 | 3.83   | 2.83      | <b>3.38</b>        |

| Genus/<br>Common<br>Name   | Series              | Variety/Color                | Company | June | July | August | September | Overall<br>Average |
|----------------------------|---------------------|------------------------------|---------|------|------|--------|-----------|--------------------|
| Pepper                     |                     | Trailblazer                  | Ball    | 3.17 | 3.17 | 4.00   | 3.17      | <b>3.38</b>        |
| Zinnia                     | Zesty™              | Purple                       | Ball    | 3.83 | 4.00 | 3.17   | 2.33      | <b>3.33</b>        |
| Zinnia                     | Zesty™              | Yellow                       | Ball    | 4.00 | 4.17 | 3.00   | 2.17      | <b>3.33</b>        |
| Spreading<br>Begonia       | Hula™               | Bicolor Red White            | Ball    | 3.17 | 3.33 | 3.50   | 3.33      | <b>3.33</b>        |
| Rex Begonia                | Jurassic™           | Pink Splash                  | Ball    | 3.33 | 3.50 | 3.17   | 3.33      | <b>3.33</b>        |
| Interspecific<br>Impatiens | Solarscape™         | Orange Burst                 | Ball    | 2.83 | 3.33 | 3.50   | 3.67      | <b>3.33</b>        |
| Canna                      | Cannova             | Bronze Peach                 | Ball    | 3.83 | 2.83 | 3.00   | 3.67      | <b>3.33</b>        |
| Double<br>Impatiens        | Glimmer™            | Bright Red                   | Ball    | 3.33 | 2.67 | 3.83   | 3.33      | <b>3.29</b>        |
| Begonia                    | Megawatt™           | Pink Bronze Leaf             | Ball    | 3.00 | 3.33 | 3.83   | 2.83      | <b>3.25</b>        |
| Begonia                    | Megawatt™           | Red Green Leaf               | Ball    | 3.00 | 3.00 | 3.67   | 3.33      | <b>3.25</b>        |
| Begonia x<br>hybrida       | Viking              | Explorer Red on Green        | Sak     | 2.83 | 3.00 | 3.67   | 3.33      | <b>3.21</b>        |
| Double<br>Impatiens        | Glimmer™            | Hot Pink                     | Ball    | 3.00 | 3.17 | 3.50   | 3.00      | <b>3.17</b>        |
| Double<br>Impatiens        | Glimmer™            | White                        | Ball    | 3.17 | 2.67 | 3.67   | 3.17      | <b>3.17</b>        |
| Scaevola                   | Fairy™              | Pink 23                      | Ball    | 3.00 | 3.83 | 3.17   | 2.50      | <b>3.13</b>        |
| Petunia                    | ColorRush™          | Pink Star                    | Ball    | 3.33 | 3.33 | 2.33   | 3.50      | <b>3.13</b>        |
| Begonia                    | Dragon Wing®        | Red                          | PW      | 3.00 | 3.83 | 2.83   | 2.67      | <b>3.08</b>        |
| Angelonia                  | AngelDance™         | Fuchsia Bicolor              | Ball    | 3.50 | 2.33 | 3.50   | 3.00      | <b>3.08</b>        |
| Rex Begonia                | Jurassic™           | Pink Shades                  | Ball    | 3.00 | 3.17 | 3.00   | 3.17      | <b>3.08</b>        |
| Lanatana<br>camara         | Heartland           | Red Sky                      | Dum     | 1.83 | 2.67 | 3.67   | 4.17      | <b>3.08</b>        |
| Cuphea<br>hyssopifolia     |                     | Hummingbirds Lunch           | Dum     | 2.17 | 3.50 | 3.00   | 3.67      | <b>3.08</b>        |
| Zinnia                     | Zesty™              | Orange                       | Ball    | 3.83 | 3.17 | 3.00   | 2.17      | <b>3.04</b>        |
| Rex Begonia                | Jurassic<br>Dino™   | Dragon Fruit                 | Ball    | 3.33 | 3.00 | 2.67   | 3.17      | <b>3.04</b>        |
| Osteospermum               | Bright Lights™      | Sunset                       | PW      | 3.67 | 2.50 | 3.17   | 2.83      | <b>3.04</b>        |
| Rex Begonia                | Jurassic<br>Megalo™ | Komodo                       | Ball    | 3.33 | 3.33 | 2.83   | 2.50      | <b>3.00</b>        |
| Dahlia                     | Venti™              | Tequila Sunrise 23           | Ball    | 3.00 | 3.50 | 2.83   | 2.67      | <b>3.00</b>        |
| Canna                      | Cannova             | Red Golden Flame             | Ball    | 3.00 | 2.50 | 3.00   | 3.50      | <b>3.00</b>        |
| Begonia x<br>hybrida       | Viking              | Explorer Rose on<br>Green    | Sak     | 2.67 | 2.67 | 3.33   | 3.33      | <b>3.00</b>        |
| Begonia                    | Megawatt™           | Rose Bronze Leaf<br>Improved | Ball    | 3.00 | 2.50 | 3.83   | 2.67      | <b>3.00</b>        |
| Lantana                    | Little Lucky™       | Lavender                     | Ball    | 2.67 | 2.67 | 2.83   | 3.33      | <b>2.88</b>        |
| Petunia                    | Headliner™          | Light Pink Sky               | Ball    | 3.17 | 2.50 | 3.17   | 2.67      | <b>2.88</b>        |
| Lanatana<br>camara         | Heartland           | Blue Moon                    | Dum     | 1.50 | 2.17 | 3.50   | 4.17      | <b>2.83</b>        |
| Petunia                    | Surfinia            | Heavenly Blue                | Sun     | 3.50 | 2.33 | 2.33   | 3.00      | <b>2.79</b>        |

| Genus/<br>Common<br>Name        | Series                    | Variety/Color                     | Company | June | July | August | September | Overall<br>Average |
|---------------------------------|---------------------------|-----------------------------------|---------|------|------|--------|-----------|--------------------|
| Petunia                         | SureShot™                 | Blueberries & Cream               | Ball    | 2.17 | 3.33 | 2.67   | 2.83      | <b>2.75</b>        |
| Petunia x<br>atkinsiana         | DuraBloom                 | Royal Pink                        | Dum     | 3.33 | 3.00 | 2.67   | 1.83      | <b>2.71</b>        |
| Petunia                         | Surfinia                  | XXL Taffy Pink                    | Sun     | 3.33 | 3.00 | 2.00   | 2.50      | <b>2.71</b>        |
| Petunia                         | SureShot™                 | White                             | Ball    | 2.67 | 2.33 | 2.33   | 3.50      | <b>2.71</b>        |
| Calibrachoa                     | Superbells®               | Prism™ Pink<br>Lemonade           | PW      | 2.83 | 4.00 | 2.17   | 1.83      | <b>2.71</b>        |
| Petunia                         | Supertunia<br>Mini Vista® | Pink Star                         | PW      | 3.67 | 2.67 | 2.33   | 2.00      | <b>2.67</b>        |
| Agastache                       | Betterbuzz                | Rosa                              | Dum     | 2.83 | 2.17 | 2.67   | 3.00      | <b>2.67</b>        |
| Lantana<br>camara               |                           | SunDance Pink                     | Sak     | 2.33 | 2.33 | 2.50   | 3.33      | <b>2.63</b>        |
| Angelonia                       | AngelDance™               | Violet Bicolor                    | Ball    | 3.50 | 2.33 | 2.50   | 2.17      | <b>2.63</b>        |
| Calibrachoa                     | Superbells®               | Yellow 2023                       | PW      | 2.67 | 3.17 | 2.50   | 2.17      | <b>2.63</b>        |
| Rex Begonia                     | Jurassic<br>Dino™         | Black Tie                         | Ball    | 2.83 | 2.67 | 2.17   | 2.67      | <b>2.58</b>        |
| Lantana                         | Luscious®<br>Royale       | Red Zone                          | PW      | 2.00 | 2.33 | 2.50   | 3.33      | <b>2.54</b>        |
| Sanvitalia                      | Tsavo™                    | Compact Yellow 23                 | Ball    | 2.67 | 2.50 | 2.33   | 2.67      | <b>2.54</b>        |
| Petunia                         | SureShot™                 | Dark Red                          | Ball    | 2.00 | 3.00 | 2.67   | 2.50      | <b>2.54</b>        |
| Rudbeckia                       | MiniBeckia                | Mini Flame                        | EHS     | 1.67 | 2.83 | 4.00   | 1.50      | <b>2.50</b>        |
| Geranium                        | Big EEZE                  | Pink                              | Ball    | 2.33 | 2.17 | 3.00   | 2.50      | <b>2.50</b>        |
| Tomato                          |                           | Sun Dipper                        | Ball    | 2.83 | 2.50 | 2.17   | 2.33      | <b>2.46</b>        |
| Helianthus                      | Suncredible               | Yellow                            | PW      | 1.83 | 3.33 | 2.50   | 2.17      | <b>2.46</b>        |
| Helianthus                      | Suncredible               | Saturn                            | PW      | 2.17 | 3.33 | 2.50   | 1.67      | <b>2.42</b>        |
| Lobelia                         | Magadi™                   | Compact Blue Bay                  | Ball    | 3.50 | 2.17 | 1.67   | 2.17      | <b>2.38</b>        |
| Agastache                       | Betterbuzz                | Amber                             | Dum     | 2.67 | 2.33 | 2.50   | 2.00      | <b>2.38</b>        |
| Dahlia                          | Megabloom                 | Orange Crush                      | Dum     | 0.83 | 2.33 | 3.50   | 2.67      | <b>2.33</b>        |
| Petunia                         | Supertunia<br>Mini Vista® | Scarlet                           | PW      | 3.33 | 3.17 | 1.67   | 0.83      | <b>2.25</b>        |
| Lobelia                         | Laguna®                   | Compact Blue with Eye<br>IMPROVED | PW      | 2.83 | 2.33 | 1.33   | 2.33      | <b>2.21</b>        |
| Petunia                         | Supertunia®               | Persimmon                         | PW      | 2.50 | 2.50 | 2.17   | 1.67      | <b>2.21</b>        |
| Calibrachoa                     | Superbells®               | Coral Sun                         | PW      | 2.67 | 3.33 | 1.67   | 1.00      | <b>2.17</b>        |
| Rex Begonia                     | Jurassic Jr.™             | Berry Swirl                       | Ball    | 2.33 | 2.00 | 1.83   | 2.17      | <b>2.08</b>        |
| Crossandra<br>infundibuliformis |                           | Watermelon                        | Dum     | 1.33 | 1.67 | 2.33   | 3.00      | <b>2.08</b>        |
| Petunia                         | SureShot™                 | Blue Vein                         | Ball    | 2.83 | 2.50 | 1.67   | 0.83      | <b>1.96</b>        |
| Petunia x<br>atkinsiana         | Surprise<br>QueenBee      | Red NP Windmill 93                | Dum     | 3.50 | 1.50 | 1.67   | 0.33      | <b>1.75</b>        |
| Petunia                         | Headliner™                | Pink Sky 23                       | Ball    | 3.17 | 2.33 | 1.17   | 0.33      | <b>1.75</b>        |
| Lanatana<br>camara              | Heartland                 | Orange                            | Dum     | 0.83 | 1.17 | 2.17   | 2.67      | <b>1.71</b>        |
| Rex Begonia                     | Jurassic Jr.™             | Arctic Twist                      | Ball    | 2.00 | 1.83 | 1.17   | 1.50      | <b>1.63</b>        |
| Agastache                       | Betterbuzz                | Amarillo                          | Dum     | 2.17 | 1.50 | 1.50   | 1.33      | <b>1.63</b>        |
| Calibrachoa                     | Superbells®               | Double Twilight                   | PW      | 1.33 | 2.50 | 1.50   | 0.83      | <b>1.54</b>        |



| Genus/<br>Common<br>Name | Series      | Variety/Color     | Company | June | July | August | September | Overall<br>Average |
|--------------------------|-------------|-------------------|---------|------|------|--------|-----------|--------------------|
| Petunia                  | CannonBall™ | Coral             | Ball    | 2.50 | 2.00 | 1.17   | 0.33      | <b>1.50</b>        |
| Petunia x<br>atkinsiana  | Smartunia   | Baby Pink         | Dum     | 2.50 | 1.67 | 1.33   | 0.33      | <b>1.46</b>        |
| Petunia                  | Surfinia    | Heavenly Cabernet | Sun     | 2.67 | 1.50 | 1.17   | 0.33      | <b>1.42</b>        |
| Petunia                  | SureShot™   | Dark Blue         | Ball    | 1.83 | 2.17 | 1.17   | 0.33      | <b>1.38</b>        |
| Petunia                  | SureShot™   | Magenta           | Ball    | 1.83 | 1.33 | 1.67   | 0.33      | <b>1.29</b>        |
| Calibrachoa*             | Superbells® | Double Yellow     | PW      | 0.83 | 1.83 | 0.83   | 1.00      | <b>1.13</b>        |
| Calibrachoa*             | Tik Tok     | Orange            | Dum     | 0.83 | 1.00 | 0.67   | 0.33      | <b>0.71</b>        |
| Calibrachoa*             | Bloomtastic | Rose Quartz       | Dum     | 0.83 | 1.00 | 0.33   | 0.33      | <b>0.63</b>        |

### Thank You

Thank you to all the companies who participated in the trials in 2021. Thank you, Mike Anderson, Greenhouse Manager for your guidance and valuable help. Thank you to Berger for the soil donation used to start the plants. A special thanks to our volunteers who assisted with a variety of tasks in these trials. Their dedication and hard work during the growing season kept the trials in excellent condition.

### More Information

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### Companies

BH = Ball Horticulture (Includes Ball FloraPlant, Ball Ingenuity, PanAmerican Seed)

Dum = Dummen Orange

EH = Eason Horticultural Resources

PW = Proven Winners

SAK = Sakata

SUN = Suntory



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